

Infaunal and PSA analyses of benthic samples collected from Loch Carron, Wester Ross, Moray Firth and the Sound of Barra in 2017





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RESEARCH REPORT

Research Report No. 1042

Infaunal and PSA analyses of benthic samples collected from Loch Carron, Wester Ross, Moray Firth and the Sound of Barra in 2017

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RESEARCH REPORT

Summary

Infaunal and PSA analyses of benthic samples collected from Loch Carron, Wester Ross, Moray Firth and the Sound of Barra in 2017

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Marine survey; MPA; SAC; Loch Carron; Loch Broom; Wester Ross; Moray Firth; Sound of Barra; protected features; PMF; seabed habitats; infauna; PSA.

Background

This report presents the findings of the analysis of 130 seabed samples collected in Scottish waters in 2017. Sampling was carried out to improve knowledge of the distribution and condition of species and habitats of conservation importance within four areas in Scottish waters. Survey work was undertaken in the Loch Carron Marine Protected Area (MPA) and at Loch Broom (within the Wester Ross MPA) to assess the presence, extent and condition of flame shell beds within these areas. A benthic survey was undertaken within Moray Firth Special Area of Conservation (SAC) to assess the status of marine benthic communities in this region. Sampling in and around the Sound of Barra SAC was undertaken to determine the current condition and distribution of maerl and coarse sediment habitats on the eastern side of the sound.

Precision Marine Survey Ltd. were commissioned to undertake faunal analysis and particle size analysis (PSA) of the samples and produce a brief interpretative report to characterise the benthic infaunal communities.

Main findings

- Four stations in Loch Carron were characterised by shallow mixed sediments with moderate to high densities of *Limaria hians* (flame shell). These were assigned the biotope **SS.SMx.IMx.Lim** (*Limaria hians* beds in tide-swept sublittoral muddy mixed sediment), which is the component biotope of the flame shell bed Priority Marine Feature (PMF) and protected feature of the Loch Carron MPA. The remaining stations were assigned as intermediate variants of either **SS.SMx.IMx** (infralittoral mixed sediment) or (in somewhat deeper water) **SS.SMx.CMx** (circalittoral mixed sediment).
- All four flame shell bed records were located within an area of predicted flame shell bed habitat to the east of Sgeir Bhuidhe in Loch Carron. This supports results from the corresponding video-based habitat surveys in the area (Moore *et al.*, 2018).

- The number of taxa recorded per station in Loch Carron was generally high with up to 81 taxa with per 0.1 m², whilst the numbers of individuals ranged from low to moderately high with 100 to 300 individuals per 0.1 m² present at the majority of stations. Diversity indices were rather variable but generally showed quite high levels of diversity and evenness.
- Samples collected at three stations in Loch Broom (Wester Ross) were also assigned to the biotope **SS.SMx.IMx.Lim** (*Limaria hians* beds in tide-swept sublittoral muddy mixed sediment), which is listed as a protected feature within the Wester Ross MPA. The flame shell bed records fall within an area of predicted flame shell bed based on previous survey data; the results presented here therefore increase confidence in the distribution and extent of flame shell beds in Loch Broom.
- The survey stations in Loch Broom exhibited moderate to high levels of species richness, abundance and diversity with a maximum of 97 taxa and 805 individuals per 0.1 m². Values of Shannon's diversity were moderate to high with the majority of stations exhibiting H' values above 4.
- The Moray Firth SAC survey stations were characterised by sandy mud with a very small gravel fraction in moderate water depths and have been classified as rather poorly defined variants **SS.SMu.CSaMu** (circalittoral sandy mud). One station (G08) was assigned the biotope **SS.SMx.CMx** (circalittoral mixed sediment).
- Overall the samples collected within the Sound of Barra SAC are considered to include good examples of coarse sediment sub-types of the Annex I feature '*Sandbanks which are slightly covered by sea water all the time*'.
- Sixty one stations within the Sound of Barra SAC (and some stations outside the SAC) were classified as **SS.SMp.Mrl** (maerl beds), most likely a variant of **SS.SMp.Mrl.Pcal**. Maerl beds are a PMF and a sub-feature of the subtidal sandbanks Annex I habitat of the SAC.
- Much of the gravel recorded at the Sound of Barra survey stations comprised of dead maerl fragments with live maerl recorded at 66 out of 99 samples.
- A number of species of conservation importance were also recorded during the Sound of Barra 2017 survey, including the PMF species *Arctica islandica* (ocean quahog), sandeels namely *Ammodytes marinus* and *Ammodytes tobianus* and occasional juvenile specimens of the flame shell *Limaria hians*.

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Table of Contents	Page
1. INTRODUCTION	1
2. METHODS	3
2.1 Infaunal grab sample collection	3
2.2 Laboratory processing	8
2.3 Analysis of biological data	9
3. RESULTS – LOCH CARRON MPA	11
3.1 Physical parameters (Loch Carron MPA)	11
3.2 Primary and derived biological parameters (Loch Carron MPA)	13
3.3 Species composition (Loch Carron MPA)	13
3.4 Multivariate analysis (Loch Carron MPA)	15
4. WESTER ROSS MPA	19
4.1 Physical parameters (Wester Ross MPA)	19
4.2 Primary and derived biological parameters (Wester Ross MPA)	21
4.3 Species composition (Wester Ross MPA)	21
4.4 Multivariate analysis (Wester Ross MPA)	23
4.5 Biotope composition (Wester Ross MPA)	24
5. MORAY FIRTH SAC	26
5.1 Physical parameters (Moray Firth SAC)	26
5.2 Primary and derived biological parameters (Moray Firth SAC)	28
5.3 Species composition (Moray Firth SAC)	28
5.4 Multivariate analysis (Moray Firth SAC)	30
5.5 Biotope composition (Moray Firth SAC)	31
6. SOUND OF BARRA SAC	33
6.1 Physical parameters (Sound of Barra SAC)	33
6.2 Primary and derived biological parameters (Sound of Barra SAC)	35
6.3 Species composition (Sound of Barra SAC)	37
6.4 Multivariate analysis (Sound of Barra SAC)	41
6.5 Biotope composition (Sound of Barra SAC)	44
7. DISCUSSION	51
8. REFERENCES	55
ANNEX 1: SAMPLING DETAILS FROM THE 2017 SURVEYS	57
ANNEX 2: SEDIMENT PARTICLE SIZE ANALYSES DATA	60
ANNEX 3: SPECIES DATA – LOCH CARRON	73
ANNEX 4: CLUSTER GROUPS FROM THE LOCH CARRON MPA SURVEY	80
ANNEX 5: CHARACTERISTIC TAXA (FROM SIMPER) AND ENVIRONMENTAL DATA AT THE STATIONS WITHIN EACH CLUSTER GROUP	81
ANNEX 6: BIOTOPES, SEDIMENT DESCRIPTIONS AND DOMINANT TAXA WITHIN CLUSTER GROUPS FROM THE LOCH CARRON MPA SAMPLING STATIONS	85
ANNEX 7: TOTAL NUMBERS OF TAXA (INCLUDING QUALITATIVE SPECIES) COLLECTED AT THE WESTER ROSS MPA SURVEY STATIONS	88
ANNEX 8: TOTAL ABUNDANCE (NUMBERS OF INDIVIDUALS) WITHIN INFAUNA SAMPLES COLLECTED AT THE WESTER ROSS MPA SURVEY STATIONS	89
ANNEX 9: SHANNON’S DIVERSITY (H’) OF THE INFAUNA SAMPLE COLLECTED AT THE WESTER ROSS MPA SURVEY STATIONS	90

ANNEX 10: SPECIES DATA – WESTER ROSS	91
ANNEX 11: CLUSTER GROUPS AT THE WESTER ROSS MPA SURVEY STATIONS	95
ANNEX 12: CHARACTERISTIC TAXA (FROM SIMPER) AND ENVIRONMENTAL DATA AT THE STATIONS WITHIN EACH CLUSTER GROUP	96
ANNEX 13: BIOTOPES, AND DOMINANT TAXA WITHIN CLUSTER GROUPS FOR THE WESTER ROSS MPA SURVEY STATIONS	97
ANNEX 14: SPECIES DATA – MORAY FIRTH	99
ANNEX 15: CHARACTERISTIC TAXA (FROM SIMPER) AND ENVIRONMENTAL DATA AT THE STATIONS WITHIN EACH CLUSTER GROUP	102
ANNEX 16: BIOTOPES AND DOMINANT TAXA WITHIN CLUSTER GROUPS FOR THE MORAY FIRTH SAC SURVEY STATIONS	104
ANNEX 17: LIMARIA MEASUREMENTS FROM THE LOCH CARRON AND WESTER ROSS BENTHIC SURVEYS	106
ANNEX 18: AVERAGE PHYSICAL PARAMETERS RECORDED AT THE SOUND OF BARRA SAC SURVEY BOXES	109
ANNEX 19: SEDIMENT COMPOSITION OF INFAUNAL SAMPLES AT THE SOUND OF BARRA SAC	110
ANNEX 20: BIOLOGICAL PARAMETERS – SOUND OF BARRA	115
ANNEX 21: AVERAGE PRIMARY AND DERIVED BIOLOGICAL PARAMETERS RECORDED AT THE SOUND OF BARRA SAC SURVEY AREAS	117
ANNEX 22: TOTAL NUMBERS OF TAXA (INCLUDING QUALITATIVE SPECIES) COLLECTED AT THE SOUND OF BARRA SAC	118
ANNEX 23: TOTAL ABUNDANCE (NUMBERS OF INDIVIDUALS) WITHIN INFAUNAL SAMPLES COLLECTED AT THE SOUND OF BARRA SAC	123
ANNEX 24: SPECIES DATA – SOUND OF BARRA	128
ANNEX 25: MAERL MEASUREMENTS FROM THE SOUND OF BARRA BENTHIC SURVEY (MAX. LENGTH IN MM)	207
ANNEX 26: CHARACTERISTIC TAXA (FROM SIMPER) AND ENVIRONMENTAL DATA AT THE STATIONS WITHIN EACH CLUSTER GROUP	212
ANNEX 27: CLUSTER GROUPS AT THE SOUND OF BARRA SAC (SIMPROV GROUPS LABELLED)	216
ANNEX 28: BIOTOPES, AND DOMINANT TAXA WITHIN CLUSTER GROUPS FOR THE SOUND OF BARRA SAC SURVEY STATIONS	221

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1. INTRODUCTION

In May and July 2017 SNH undertook a number of surveys to improve knowledge of the occurrence and distribution of species and habitats of recognised conservation importance in Scottish territorial waters. SNH and the Joint Nature Conservation Committee (JNCC) have generated a focused list of habitats and species of importance - the Priority Marine Features (PMFs), which are regarded as priorities for conservation action in Scottish waters (Tyler-Walters *et al.*, 2016). Provisions to designate new Marine Protected Areas (MPAs) within Scottish waters were introduced through the Marine (Scotland) Act 2010 and the UK Marine and Coastal Access Act 2009. The 2017 surveys were located in four areas including two MPAs and two Special Areas of Conservation (SACs). The SACs were established under the 1992 EC Habitats Directive and were selected for the protection of particular habitats and species which are listed in Annex 1 and 2, respectively, of the Directive.

The Loch Carron MPA was designated on the 19th May 2019 with maerl beds and flame shell beds being the protected features of this site. On the 4th May 2017 sixteen grab samples were taken from the *MRV Alba na Mara* to assess the presence, extent and condition of the flame shell beds in the outer parts of the loch. An underwater video survey and sixteen diver core samples were also collected from flame shell beds in Loch Carron, but these have been reported separately (Moore *et al.*, 2018). Seven grab samples were also collected on-board the *MRV Alba na Mara* on the 14th May 2017 in Loch Broom to help validate remote video sampling undertaken to determine the extent of a flame shell bed (a protected feature of the Wester Ross MPA).

The Moray Firth marine SAC was designated in 2005 for the species *Bottlenose dolphin Tursiops truncatus* which is listed on Annex II of the Habitats Directive, as well as for the Annex I habitat *Sandbanks which are slightly covered by sea water all the time*. An additional benthic survey was carried out on the 12th July 2017 within the Moray Firth SAC in the vicinity of an anchorage within the inner Firth to assess the status of benthic communities in this locality.

The Sound of Barra SAC was designated in 2013 to afford protection for the marine habitat features *Sandbanks which are slightly covered by sea water all the time* and *Reefs*. Ninety-nine grab samples were collected in and around the Sound of Barra SAC, to determine the current condition and distribution of maerl and coarse sediment habitats (part of the Sandbanks Annex I habitat) on the eastern side of the sound. Monitoring of the Sound of Barra SAC was undertaken between the 5th to the 13th May by SNH and MSS on-board the *MRV Alba na Mara*.

Precision Marine Survey Limited were contracted by SNH to undertake the analyses of the grab samples collected during these surveys and in total 130 grab samples were provided to Precision Marine Survey Ltd for analysis. Table 1 provides a summary of the sampling regime undertaken at the three survey areas. Analyses included infaunal identification, particle size analysis (PSA) and the assignment of a biotope to each sample. The location of the survey areas for the 2017 surveys is provided in Figure 1.

Table 1. Number of infaunal samples and PSA samples taken in the four survey areas in 2017.

Area	Stations	Infaunal samples	PSA samples
Loch Carron	16	16	16
Wester Ross	7	7	7
Moray Firth	8	8	8
Sound of Barra	99	99	99

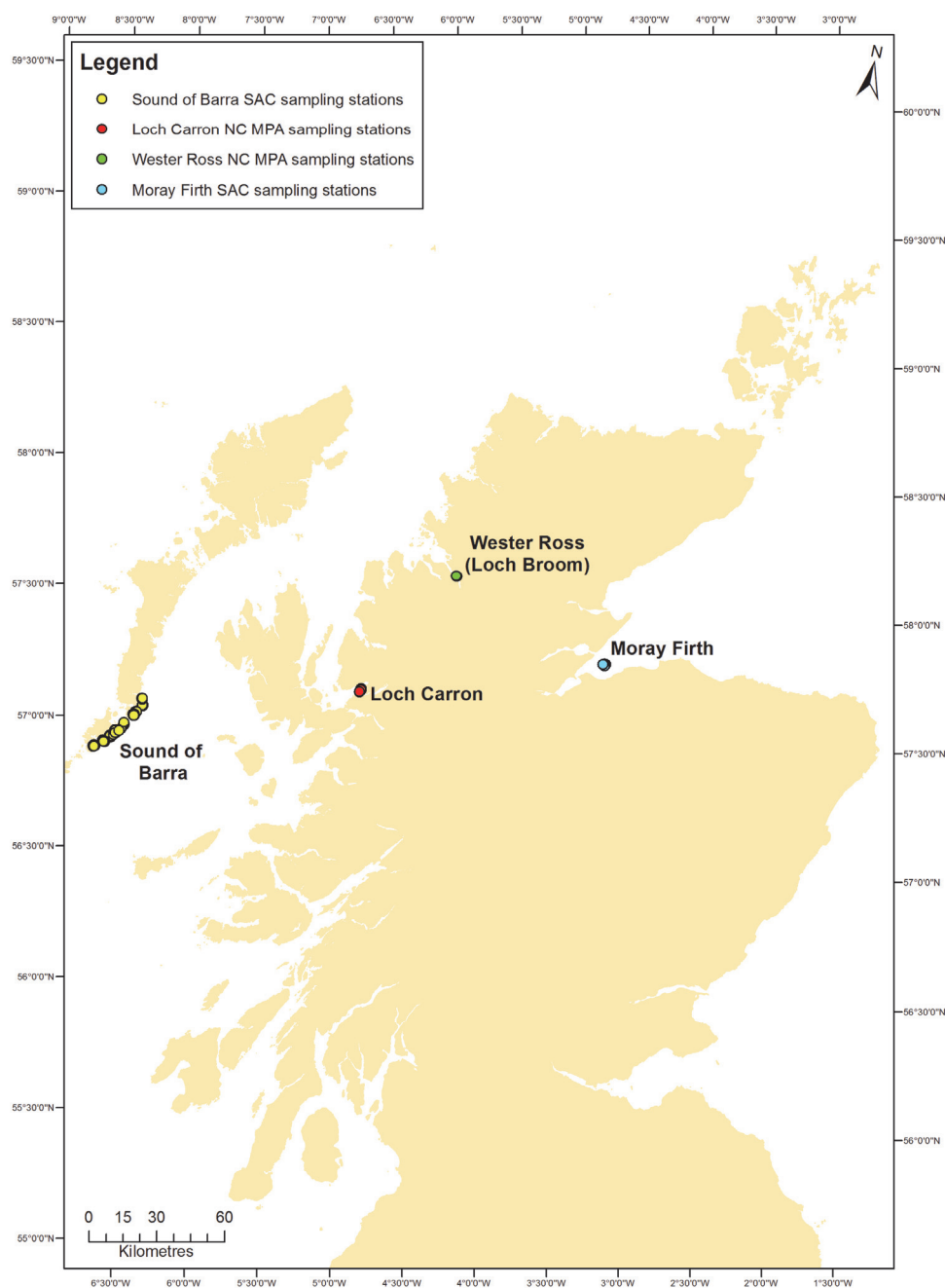


Figure 1. Map of 2017 grab sampling areas for infauna and PSA analysis. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

2. METHODS

2.1 Infaunal grab sample collection

The benthic grab sampling within the Loch Carron MPA, Wester Ross MPA and Sound of Barra SAC was undertaken in collaboration with Marine Scotland Science on-board the *MRV Alba na Mara* between the 5th to the 14th May 2017. The primary objective of this survey was to determine the condition, extent and status of protected features (maerl and coarse sediment habitats and flame shell beds). A combination of diver surveys, drop-down video and grab sampling was undertaken at this time though only the latter is reported here. Ninety-nine grab samples were collected in and around the Sound of Barra SAC with sixteen samples collected in Loch Carron and seven samples collected in Loch Broom (Wester Ross MPA) using a 0.1 m² Day grab. On a subsequent survey eight benthic samples were also collected (using a 0.1 m² Day grab) in Moray Firth SAC on the 12th July 2017.

Infaunal and PSA samples were collected from all stations and at each station a single sample was taken. In Loch Carron and Wester Ross, the sampling regime was designed around previously known occurrences of protected features. Grab sampling was at times undertaken to validate conspicuous species and habitats seen on the drop-down video to confirm the presence of a feature of interest (e.g. flame shell beds). In the Sound of Barra sampling locations were randomly selected within nine depth stratified sampling boxes, with five boxes (S3-S7) being located inside the SAC, and the remaining four boxes being placed outside the SAC, as control areas to the north (S1-S2) and south (S8-S9) of the SAC. Sampling was restricted to within the boxes with up to 10 samples collected per box to reduce variability and increase the statistical power for assessing a change in biological communities over time. Additional stations were added around box 7 to fill gaps in the habitat mapping for this site.

Once the grab was recovered on board a small sub-sample was removed for separate particle size analysis (PSA) and stored in a plastic bag before being frozen. Each infaunal sample was passed through a 1 mm mesh sieve. The processed sample was retained and fixed using buffered formalin. Granulometry samples were collected to aid biotope assignment. A summary of the sampling details for the surveys is provided in Annex 1 and a map showing the locations of the survey stations in each survey location (Loch Carron, Wester Ross, Moray Firth and the Sound of Barra) is given in Figures 2 to 5.

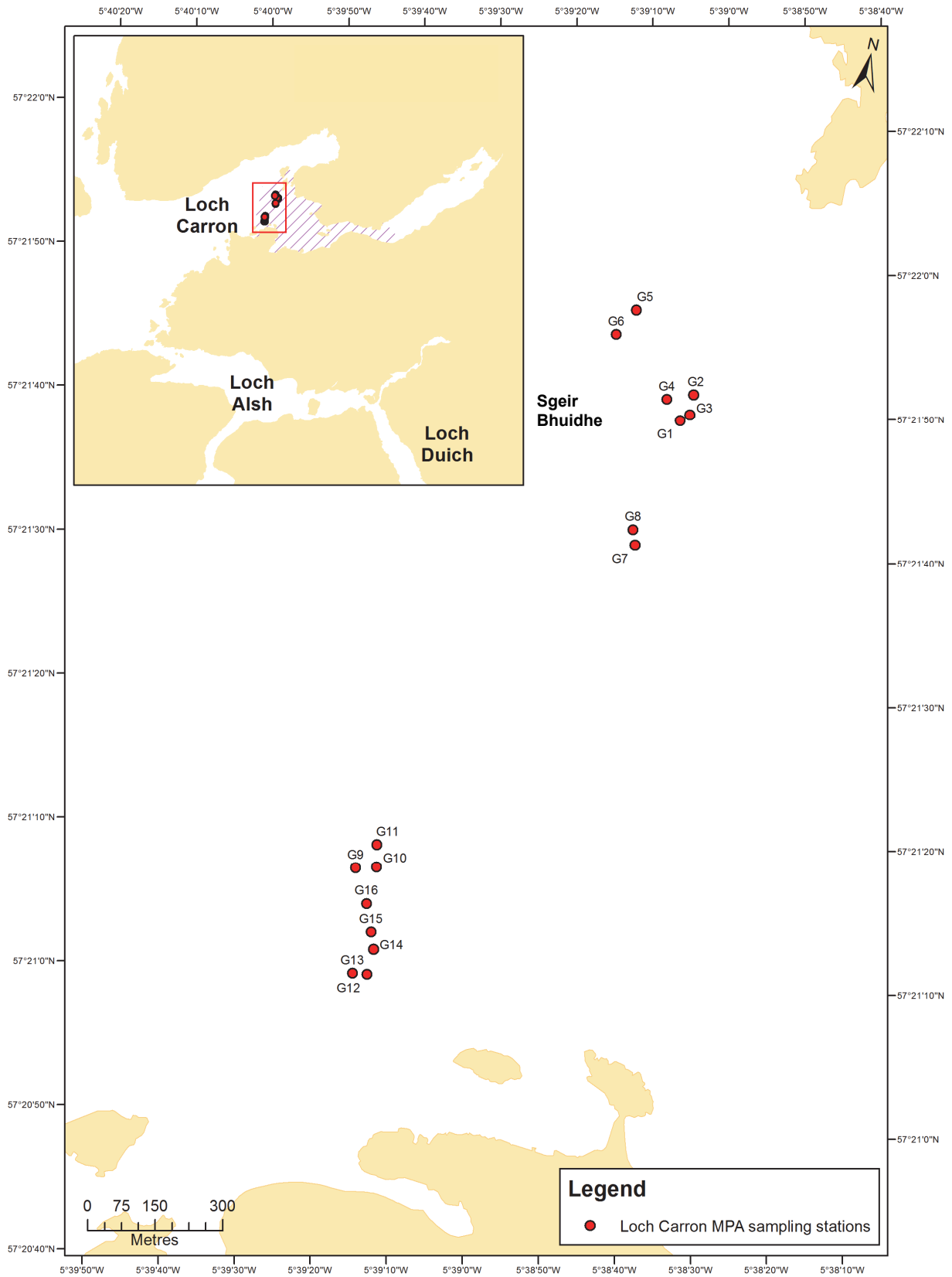


Figure 2. Map of 2017 sample stations within the Loch Carron MPA. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

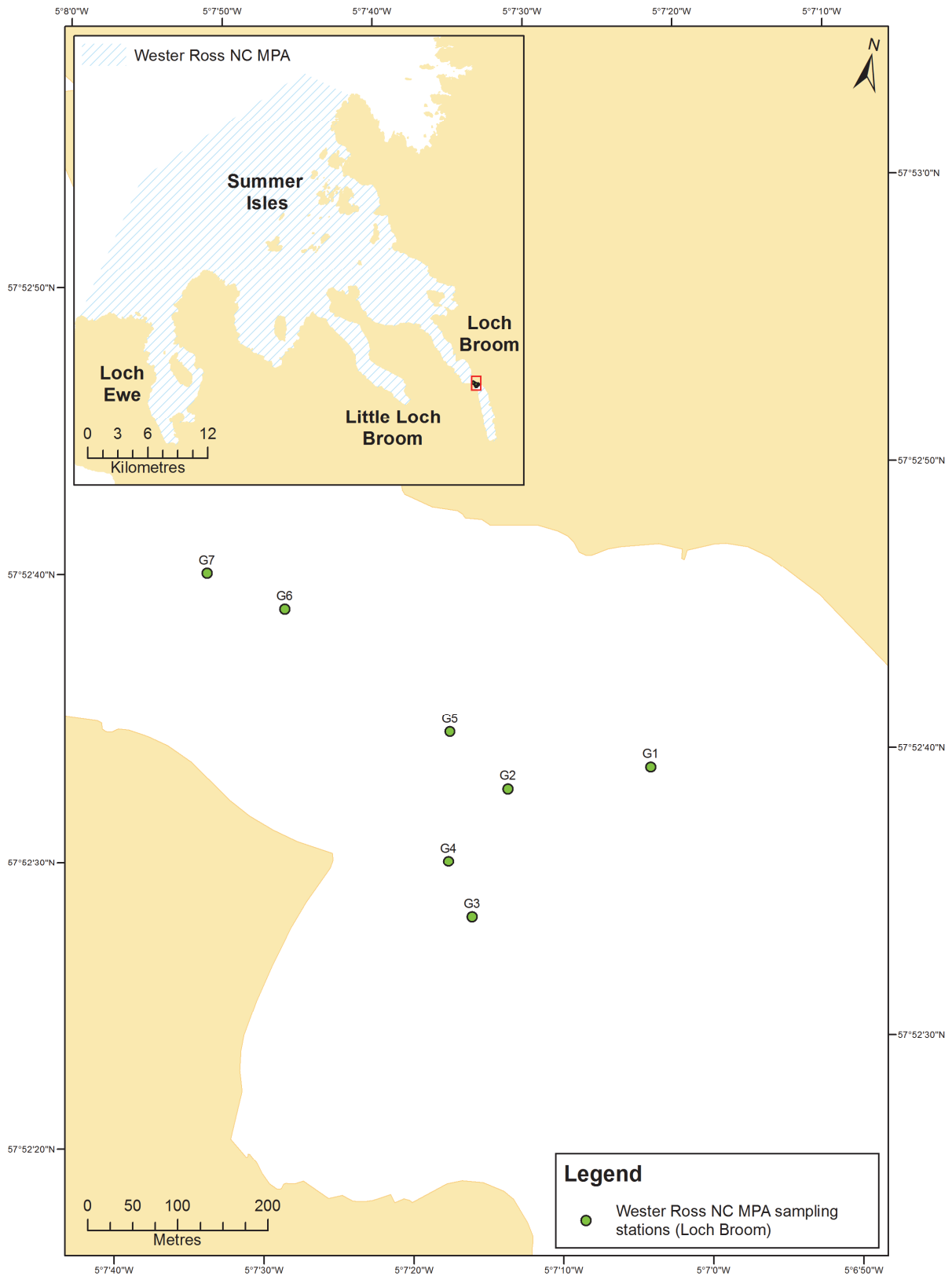


Figure 3. Map of 2017 sample stations within the Wester Ross MPA (Loch Broom). Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

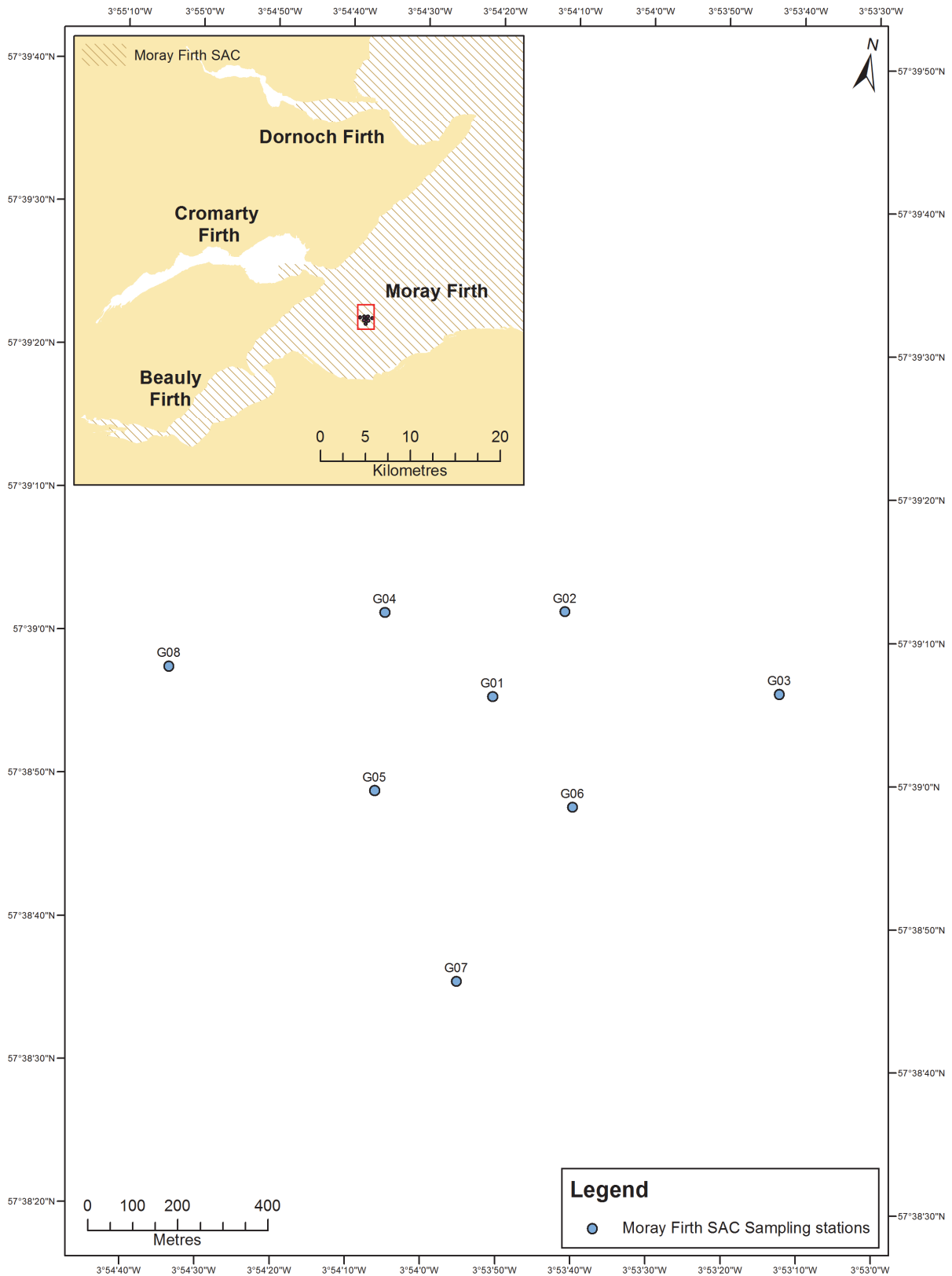


Figure 4. Map of 2017 sample stations within the Moray Firth SAC. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

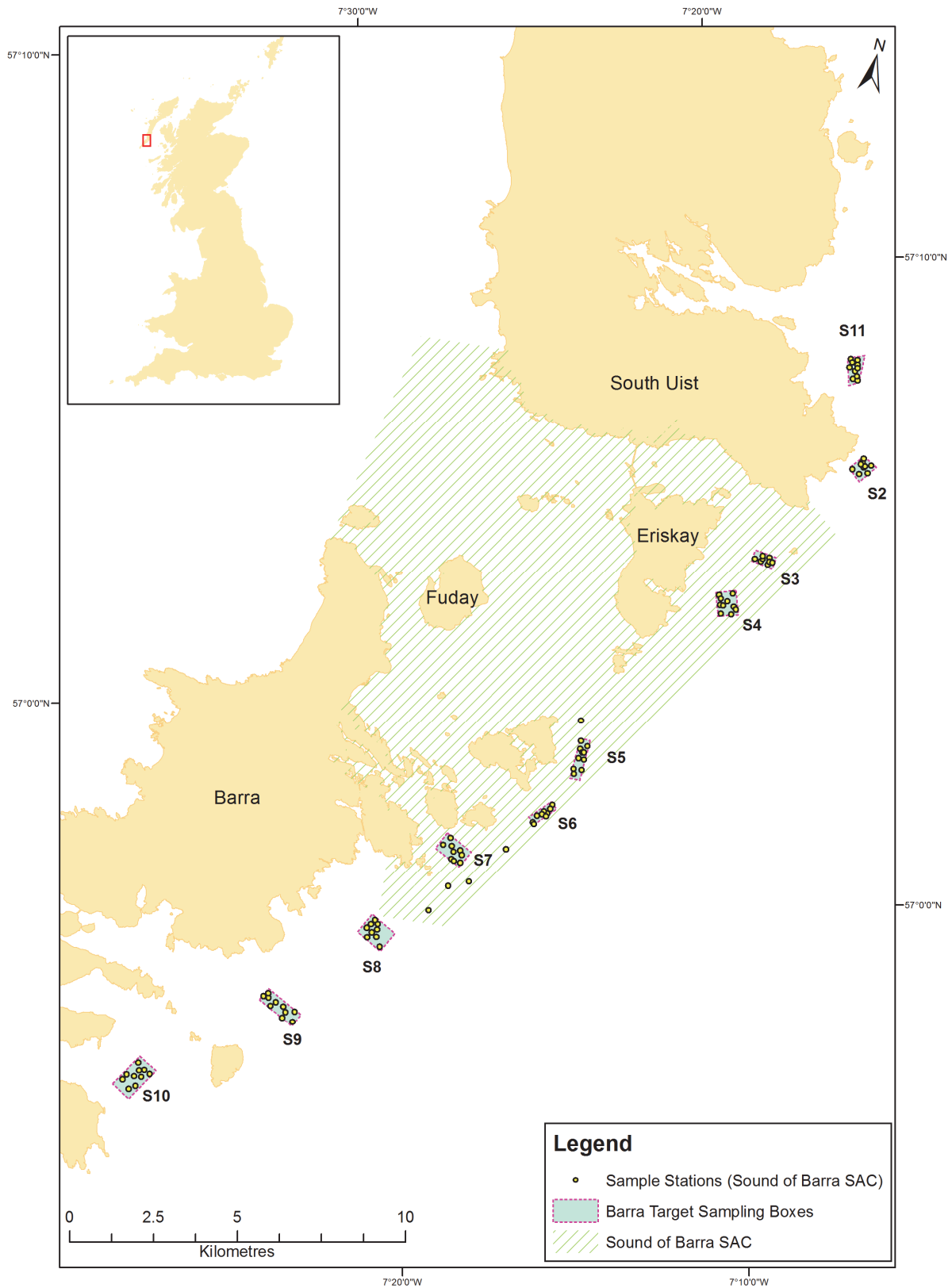


Figure 5. Map of 2017 sample stations in the vicinity of the Sound of Barra SAC. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

2.2 Laboratory processing

All laboratory methodologies were based on best practice (Thomas, 2001; Rees *et al.*, 1990; Rees 1999; Cooper & Rees 2002; Worsfold & Hall, 2010; Ware & Kenny, 2011). In addition, Precision Marine Survey Limited is a member of the National Marine Biological and Analytical Quality Control scheme (NMBAQC). Two experienced members of staff undertook all the sieving, sorting work and sample description with a further member of staff carrying out quality control. Experienced taxonomists carried out the identification of the sorted fauna, with an additional member of staff carrying out quality control for faunal identification. A standard sample tracking procedure was followed throughout the analysis period.

Prior to species identification each sample was washed through a nest of sieves to remove the preservative and partition the sample for ease of sorting. The smallest mesh aperture was 1 mm and larger sieves (5 mm or 10 mm) were also used as required to separate larger animals or coarser sediment residue. The residue from each sieve was then gently washed into separate 100 mm petri dishes for subsequent identification. For larger samples the sieve residue was put into a separate bucket or white tray with water and the contents agitated. Immediately after agitation, the light fraction was decanted to another container. The light fraction was then decanted into petri dishes and the remaining residue put into a separate container.

The sample containers / petri dishes were marked with the appropriate sample code (relating to the client, date, specific station, sample and replicate no.). All fractions were then decanted into separate 100 mm petri dishes and examined under a stereoscopic microscope. The fauna derived were then split by phyla and placed in glass vials with 70% IMS and stored ready for identification.

Identification was carried out using Olympus SZ40 zoom microscopes with 10X and 20X eyepieces, giving a maximum magnification of up to 80X. An additional 2X objective was occasionally used to increase the potential magnification to 160X. Olympus BX41 compound microscopes were used for further magnification, up to 800X. Identification of infaunal samples was carried out to the lowest possible taxonomic level (i.e. species), and during identification, all individuals were initially separated into families, with part animals being assigned to families where possible. The macrofaunal specimens were identified to species level using standard taxonomic keys, and low and high-power stereoscopic and dissection microscopes when necessary, for identification. Incomplete animals without anterior ends were not recorded as whole individuals or included in the quantitative dataset. However, they were identified where possible and recorded as present.

The taxonomic literature used was that as detailed in Rees *et al.* (1990) in addition to more recent updates in the scientific literature and newer keys provided by groups such as the NMBAQC and species reporting nomenclature used WoRMS standards (WoRMS editorial board, 2016) and the WoRMS MSBIAS subset (UK Marine Environmental Data and Information Network, 2011). Although benthic infauna were the focus of this analysis, qualitative taxa including algae and encrusting porifera, hydroids bryozoans and ascidians were noted also to aid biotope classification.

Specimens of *Limaria hians*, where present within the Loch Carron and Loch Broom samples, were also measured and length, width and breadth recorded to the nearest mm for each specimen. Measurements of live maerl fragments present in the Barra Sound benthic samples were also taken. In each case these were taken by extracting live maerl fragments from sieve residue on a 5 mm sieve and measuring the maximum length of each fragment. A maximum of 50 maerl fragments were measured from each sample where live maerl was recorded. Small fragments of broken maerl <5 mm were not included as these were difficult to assess.

The particle size analysis was carried out by a combination of dry sieving and laser particle size analysis (for the fraction <1 mm) using a Malvern Mastersizer 3000 following the latest NMBAQC guidance (Mason, 2016 v18_01_2016). Prior to analysis, photographs were taken of all samples. The sediment samples were then split with one sub-sample being passed through a 1 mm sieve to remove the larger size classes of sediment if required and the <1 mm fraction of the sub-sample analysed using the Malvern Mastersizer 3000. If the PSA sample contained any material above 1 mm the remainder of the PSA sample was wet sieved through a 1 mm sieve. Each fraction, including the <1 mm fraction was then oven dried at 100 °C for 12 hours and weighed with >1 mm fraction passed through a nest of sieves at 0.5 phi intervals.

Coarse and fine fractions were combined following NMBAQC guidelines and the data derived from PSA were then used to derive statistics including mean grain size and bulk sediment classes (% silt, sand & gravel) using the program Gradistat. Sediment sorting was also used to describe the distribution of grain sizes. Very poorly sorted indicates that the sediment sizes are mixed (large variance), whereas well sorted indicates that the sediment sizes are similar (low variance). These methods used here are consistent with the procedures identified at the recent NMBAQC PSA workshop on laboratory methods, which was held at the Cefas Lowestoft laboratory in 2017.

2.3 Analysis of biological data

Univariate analysis

A number of primary and derived biological parameter values were calculated from the species data which were subsequently tabulated and input into GIS. A variety of standard biological parameters are routinely utilised for benthic analysis which summarise the species richness and diversity of the benthic communities and may subsequently be used for management purposes to monitor temporal/spatial trends and allow further statistical testing. The following biological parameters have been used in the current study as these are widely reported in the industry and therefore allow comparison with other surveys and were also used for a number of recent SNH surveys (e.g. Allen 2015).

- The total number of species at each station (S)
- The total abundance of individuals at each station (A)
- Margalef's index of species richness (d)
- Shannon's diversity index (H') - This index is a univariate measure of diversity which incorporates both the number of species and the distribution or equitability of individuals between species. High values of H' indicate a more diverse community whilst low values indicate low diversity.
- Pielou's evenness (J) - This index is a univariate measure of evenness or equitability which describes the distribution of individuals between species. High values of J (approaching 1) indicate that the abundance of animals are evenly spread between species whilst low values of J (approaching 0) indicate that the majority of animals are comprised of a few species, a situation which often occurs in low diversity areas subject to disturbance or organic enrichment.

Multivariate analysis

Multivariate analysis of the abundance data was carried out on the data from each survey in order to describe the main patterns and assemblages within the area following standard methodologies (Clarke and Warwick, 2001; Clarke and Gorley, 2006). Classification (cluster analysis) of the data was undertaken using the Bray-Curtis similarity coefficient and grouped average (UPGMA) clustering technique, followed by a non-metric MDS (multi-dimensional

scaling) ordination both using the PRIMER package. The cluster analysis was used to display graphically the similarity between stations based upon their species composition. The similarity between stations was calculated (in this case using the Bray-Curtis similarity coefficient) to produce a similarity matrix showing the percent similarity of stations (0% indicating no species in common and 100% indicating an identical community). These values were then used to plot a dendrogram or tree diagram in which stations are linked at their respective similarity to other stations, and consequently it is possible to define groups of stations with similar species composition at a predefined level of similarity. This information along with available environmental data was subsequently used to assist in the assignment of biotopes.

Non-metric MDS graphically displays the (rank) similarity between stations as a two dimensional plot in which the distances between stations indicates the level of similarity between them. The station groupings derived from cluster analysis was subsequently superimposed onto the MDS plots and input into GIS, with the dominant species and mean environmental and biological parameters calculated for each group. Station groupings were derived using the similarity profile test (SIMPROF) within the PRIMER statistical analysis work package.

Characteristic taxa within each group were assessed using calculations of mean abundance and the percentage of stations at which the species occurred, and by using the SIMPER routine within PRIMER. The most characteristic taxa for each cluster group derived from SIMPER analysis was reviewed along with physical parameters (e.g. depth and sediment grain size) to provide a summary of the biological and environmental characteristics of each group of stations. This summary of physical and biological information was then used to assign a biotope to each sample.

3. RESULTS – LOCH CARRON MPA

3.1 Physical parameters (Loch Carron MPA)

The sediments within the survey area were predominantly mixed muddy sandy gravels or gravelly muddy sands. In addition, one station (LC-G1) was classified as gravel whilst station LC-G13 was classified as (slightly gravelly) muddy sand (Table 2, Annex 2). Mud content was highly variable ranging from 1.53% (station LC-G1) to over 39% at stations LC-G13 and LC-G14 with the more northern stations tending to have somewhat higher mud content (with the exception of station LC-G1) (Figure 6). Sand content ranged from 1.35% (station LC-G1) to 74.77% (station LC-G4) whilst gravel content ranged from 3.69% (station LC-G13) to 97.12% at station LC-G1. Overall the sediments tended to be very heterogeneous with very poorly sorted sediments except for the gravelly sediments at station LC-G1 which were moderately sorted. Water depths ranged from 14.4 m below CD at station G11 to 24.4 m below CD at stations LC-G5 and LC-G13.

Table 2. Physical parameters at the 2017 Loch Carron MPA grab survey stations.

Station	Sediment Type	Median Grain Size (phi)	Mean Grain Size (phi)	Median Grain Size (µm)	Mean Grain Size (µm)	Sorting (phi)		% Gravel	% Sand	% Mud	Depth m BCD
LC-G1	Gravel	-4.02	-3.69	16231	12874	0.79	Moderately sorted	97.12	1.35	1.53	17.6
LC-G2	Gravelly muddy sand	0.86	1.11	550	462	2.09	Very poorly sorted	9.21	78.08	12.71	17.5
LC-G3	Muddy sandy gravel	-3.38	-2.65	10417	6268	2.36	Very poorly sorted	77.79	16.67	5.55	17.5
LC-G4	Gravelly muddy sand	0.80	0.96	572	512	2.24	Very poorly sorted	13.66	74.77	11.57	18.4
LC-G5	Gravelly muddy sand	0.76	1.34	592	394	2.91	Very poorly sorted	19.11	63.02	17.87	24.4
LC-G6	Gravelly muddy sand	1.45	2.07	365	238	2.88	Very poorly sorted	11.33	65.52	23.15	22.3
LC-G7	Muddy sandy gravel	-3.14	-1.72	8838	3301	3.60	Very poorly sorted	69.91	17.98	12.11	22.2
LC-G8	Gravelly muddy sand	0.67	1.16	630	449	2.76	Very poorly sorted	19.96	63.76	16.28	18.2
LC-G9	Muddy sandy gravel	-0.84	0.49	1791	711	3.93	Very poorly sorted	49.22	25.78	25.00	18.4
LC-G10	Gravelly muddy sand	2.31	2.75	201	149	3.13	Very poorly sorted	9.64	56.13	34.23	17.4
LC-G11	Gravelly muddy sand	1.32	1.70	401	308	3.27	Very poorly sorted	19.02	58.83	22.14	14.4
LC-G12	Gravelly muddy sand	1.88	2.62	271	163	2.93	Very poorly sorted	6.78	62.75	30.47	20.4
LC-G13	Slightly Gravelly muddy sand	3.12	3.46	115	91	2.87	Very poorly sorted	3.69	56.42	39.88	24.4
LC-G14	Gravelly muddy sand	2.79	2.87	144	136	3.49	Very poorly sorted	15.44	44.81	39.75	21.4
LC-G15	Muddy sandy gravel	-1.99	-0.46	3985	1372	3.45	Very poorly sorted	69.60	15.21	15.19	22.4
LC-G16	Muddy sandy gravel	-0.56	0.40	1474	759	3.91	Very poorly sorted	45.72	31.40	22.88	22.4

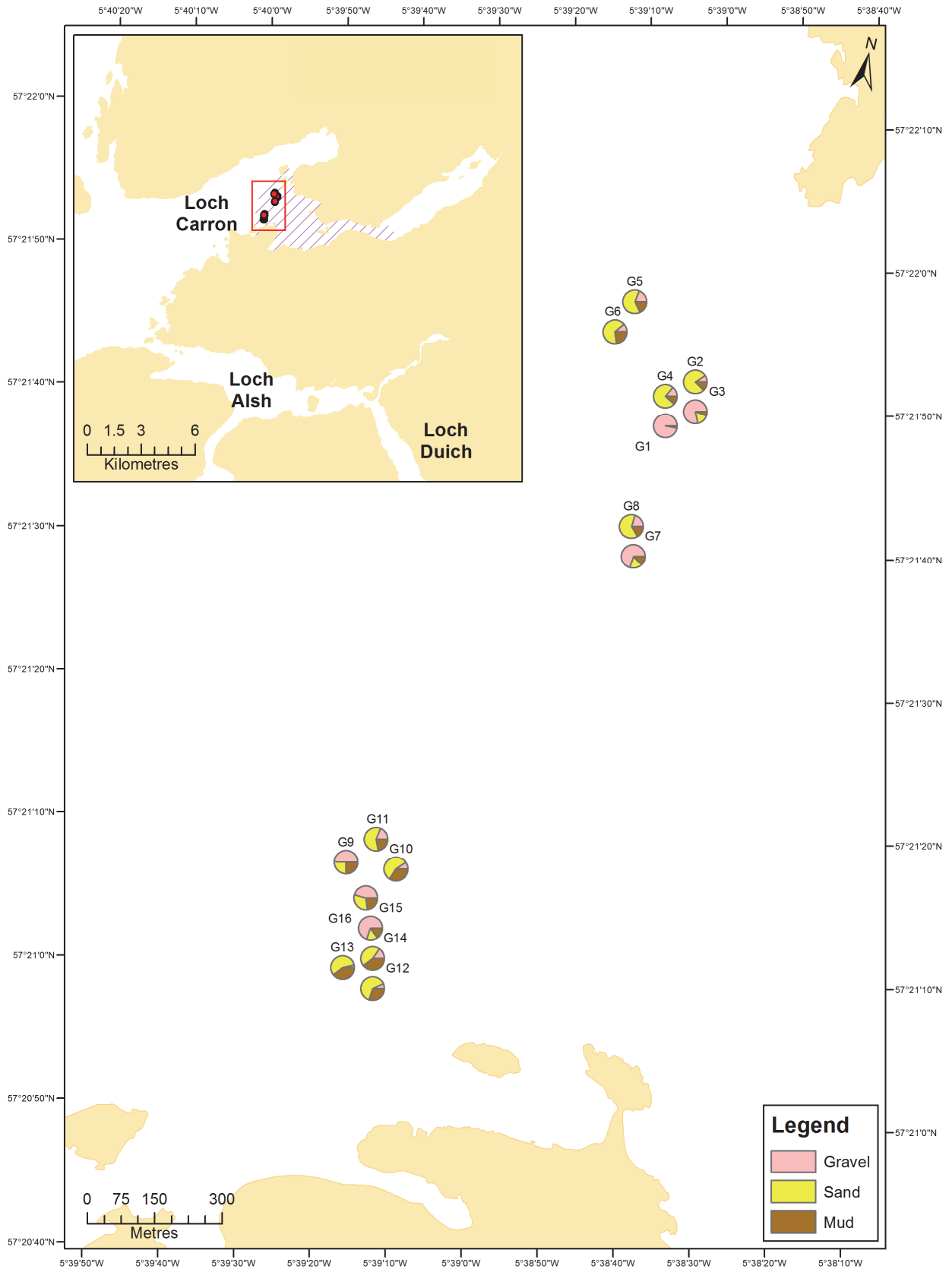


Figure 6. Sediment composition of infaunal samples collected within the Loch Carron MPA. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

3.2 Primary and derived biological parameters (Loch Carron MPA)

The samples collected from Loch Carron exhibited considerable variation in terms of species richness, density, diversity and evenness and these parameters have been summarised in Table 3. Overall the Loch Carron MPA survey stations were considered to exhibit moderate to high levels of species richness with quite variable infaunal abundance (Table 3). The numbers of species recorded per sample station ranged from 32 (station LC-G15) to 81 (station LC-G2) taxa per 0.1 m². There was no clear spatial pattern in terms of numbers of species, although stations with the highest numbers of taxa (>70 per 0.1 m²) tended to occur to the south of the survey area.

The abundances of invertebrates ranged from rather low to moderately high, with numbers of individuals ranging from 56 per 0.1 m² at station LC-G6 to 733 individuals per 0.1 m² at station LC-G1, which was characterised by extremely gravelly sediments. There was no clear spatial pattern in terms of total abundance with the majority of stations having abundances between 100 to 300 individuals per 0.1m². Diversity indices were also rather variable but generally showed quite high levels of diversity and evenness. Evenness values were generally high and ranged from 0.75 to 0.93 whilst values of Shannon's diversity were also quite high with values above 4 at all stations and ranged from 4.33 (station LC-G11) to 5.48 (stations LC-G5 and LC-G10).

Table 3. Primary and derived biological parameters at the 2017 Loch Carron MPA grab survey stations (values per 0.1 m²).

Station	Total Number of Species	Total Abundance	Margalef's d	Pielou's Evenness J	Shannon's Diversity H'
LC-G1	66	733	9.40	0.75	4.49
LC-G2	81	416	12.93	0.84	5.31
LC-G3	58	281	9.93	0.85	4.95
LC-G4	61	254	10.84	0.87	5.16
LC-G5	71	241	12.58	0.89	5.48
LC-G6	36	56	8.20	0.93	4.74
LC-G7	46	108	9.40	0.90	4.92
LC-G8	46	121	9.17	0.90	4.92
LC-G9	45	98	8.72	0.91	4.85
LC-G10	69	193	12.35	0.91	5.48
LC-G11	37	110	7.45	0.84	4.33
LC-G12	59	207	10.69	0.88	5.16
LC-G13	68	188	12.22	0.91	5.45
LC-G14	57	160	10.44	0.86	4.96
LC-G15	32	69	6.85	0.92	4.54
LC-G16	71	212	11.95	0.86	5.19

3.3 Species composition (Loch Carron MPA)

In total 302 taxa were recorded from the 16 samples collected in the Loch Carron MPA, although many of these were present in low abundances or at relatively few stations. A list of taxa ranked by abundance (taxa which account for 50% of total abundance) is provided in Table 4 and the full species dataset is provided in Annex 3. In terms of abundance, *Jasmineira elegans* and *Balanus balanus* were the most abundant and these two taxa accounted for 11.55% of the animals collected during the survey. *Jasmineira elegans* was only present at 5 stations whilst *Balanus balanus* was more widespread and recorded at 11

stations. Other taxa with moderate abundances included *Timoclea ovata*, *Leptochiton asellus*, *Hiatella arctica*, *Modiolula phaseolina*, *Lumbrineris* sp. (*aniara/cingulata*), *Polycirrus* sp., *Owenia fusiformis*, *Nucula nucleus* and *Pholoe inornata* which collectively accounted for 40% of the total abundance. These taxa were relatively widespread and were present at between 50% to 94% of the survey stations with *Timoclea ovata* and *Hiatella arctica* most ubiquitous. A wide range of other polychaete, bivalve, gastropod and crustacean taxa were also recorded in lower numbers. Species of conservation importance such as the flame shell *Limaria hians* at five stations (LC-G1 to LC-G4 and LC-G10) and live maerl (predominantly *Phymatolithon calcareum*) were recorded at two stations (LC-G13 and LC-G15).

A variety of algal or colonial / encrusting fauna (e.g. hydroids, bryozoans and ascidians) were also recorded including *Lithothamnion* spp., *Polysiphonia* spp., Rhodophyta, *Cliona celata*, *Porifera* spp., *Campanulariidae* sp., *Nemertesia* sp., *Suberites domuncula*, *Chorda filum*, *Heterosiphonia plumosa*, *Phyllophora crispa* and *Plocamium cartilagineum*. The measurements of *Limaria* collected during the survey (Annex 17) indicated that shell lengths ranged from 2.5mm to 23mm.

Table 4. Dominant taxa (by abundance) recorded at the Loch Carron MPA survey stations.

Taxa	Total Abundance (all samples)	Mean Abundance per 0.1m ²	Cumulative % of Total Abundance	No. of Samples	% of Samples
<i>Jasmineira elegans</i>	203	12.69	5.89	5	31
<i>Balanus balanus</i>	195	12.19	11.55	11	69
<i>Timoclea ovata</i>	156	9.75	16.07	15	94
<i>Leptochiton asellus</i>	131	8.19	19.87	14	88
<i>Hiatella arctica</i>	119	7.44	23.32	15	94
<i>Modiolula phaseolina</i>	113	7.06	26.60	9	56
<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i>)	112	7.00	29.85	14	88
<i>Polycirrus</i> sp.	103	6.44	32.84	12	75
<i>Owenia fusiformis</i>	96	6.00	35.63	14	88
<i>Nucula nucleus</i>	93	5.81	38.32	8	50
<i>Pholoe inornata</i>	86	5.38	40.82	12	75
<i>Golfingia</i> (<i>Golfingia</i>) <i>elongata</i>	70	4.38	42.85	2	13
<i>Kurtiella bidentata</i>	64	4.00	44.71	9	56
<i>Nereimyra punctata</i>	63	3.94	46.53	9	56
<i>Mediomastus fragilis</i>	60	3.75	48.27	10	63
<i>Limaria hians</i>	60	3.75	50.01	5	31
<i>Musculus subpictus</i>	60	3.75	51.76	8	50

3.4 Multivariate analysis (Loch Carron MPA)

The results of multivariate analysis on the benthic samples are provided in Figure 7 and the spatial distribution of cluster groups is shown in Annex 4. Similarities between samples range from around 30% to just over 60% highlighting a quite varied benthic assemblage which is likely to reflect (in part) the high numbers of taxa occurring in low numbers at relatively few stations. The SIMPROF routine identified seven groups of samples as highlighted in Figure 10 although this included three groups containing a single sample (group a – station LC-G9; group d – station LC-G1 and group e – station LC-G2). The main division splits groups a, b and c from groups d to g at just under 30% similarity.

The most characteristic taxa for each group (derived from SIMPER) which accounted for the bulk of the similarity within sample groups along with key environmental parameters are provided in Annex 5. Group a includes a single sample from station LC-G9 characterised by muddy sandy gravel and taxa such as *Nucula nucleus*, *Timoclea ovata*, *Ennucula tenuis*, *Gouldia minima*, *Kurtiella bidentata*, *Balanus balanus*, *Hiatella arctica* and *Leptochiton asellus*. Group b includes a number of stations in water depths of 17.4 m to 24.4 m below CD with gravelly muddy sands or slightly gravelly muddy sands and one station (G16) characterised by muddy sandy gravel. These stations had moderately high mud content and variable amounts of gravel ranging from 3.69% to 45.72%. Characteristic taxa included *Lumbrineris* sp. (*aniara/cingulata*), *Timoclea ovata*, *Kurtiella bidentata*, *Owenia fusiformis*, *Nucula nucleus*, *Hiatella arctica*, *Ophiura albida*, *Mediomastus fragilis*, *Chaetozone zetlandica* and *Pholoe inornata*.

Group c included two stations (LC-G11 and LC-G15) in slightly shallower water characterised by rather mixed sediments including gravelly muddy sand and muddy sandy gravel. Characteristic taxa were rather similar to group b and included low numbers of taxa such as *Lumbrineris* sp. (*aniara/cingulata*), *Hiatella arctica*, *Owenia fusiformis*, *Ophiura albida*, *Turritella communis*, Paguridae sp., *Myrtea spinifera* and Nemertea spp. Groups d and e were single stations (LC-G1 and LC-G2) characterised by gravel or gravelly muddy sand and characterised by *Balanus balanus*, *Jasmineira elegans*, *Modiolula phaseolina*, *Golfingia* (*Golfingia*) *elongata*, *Polycirrus* sp., *Prionospio cirrifera*, *Limaria hians*, *Hiatella arctica* and *Timoclea ovata* (group d) or *Musculus subpictus*, *Balanus balanus*, *Jasmineira elegans*, *Leptochiton asellus*, *Nannonyx goesii*, *Nereimyra punctata*, *Hiatella arctica*, *Timoclea ovata*, *Polycirrus* sp., *Asciidiella aspersa* and low numbers of *Limaria hians* (group e). Group f was linked to groups d and e at around 45% similarity and included two stations (LC-G3 and LC-G4) characterised by muddy sandy gravel or gravelly muddy sand in water depths around 18 m below CD and included species such as *Jasmineira elegans*, *Pholoe inornata*, *Balanus balanus*, *Hiatella arctica*, *Golfingia* (*Golfingia*) *vulgaris*, *Modiolula phaseolina*, *Nereimyra punctata*, *Polycirrus* sp., *Limaria hians* and *Timoclea ovata*.

Group g included stations LC-G5, LC-G6, LC-G7 and LC-G8 which were characterised by slightly deeper water (generally >22 m below CD) with gravelly muddy sand or muddy sandy gravel. Characteristic taxa included moderate to low numbers of species such as *Leptochiton asellus*, *Polycirrus* sp., *Ampelisca tenuicornis*, *Ampharete lindstroemi*, *Owenia fusiformis*, *Lumbrineris* sp. (*aniara/cingulata*), Sabellidae spp. and *Pholoe inornata*.

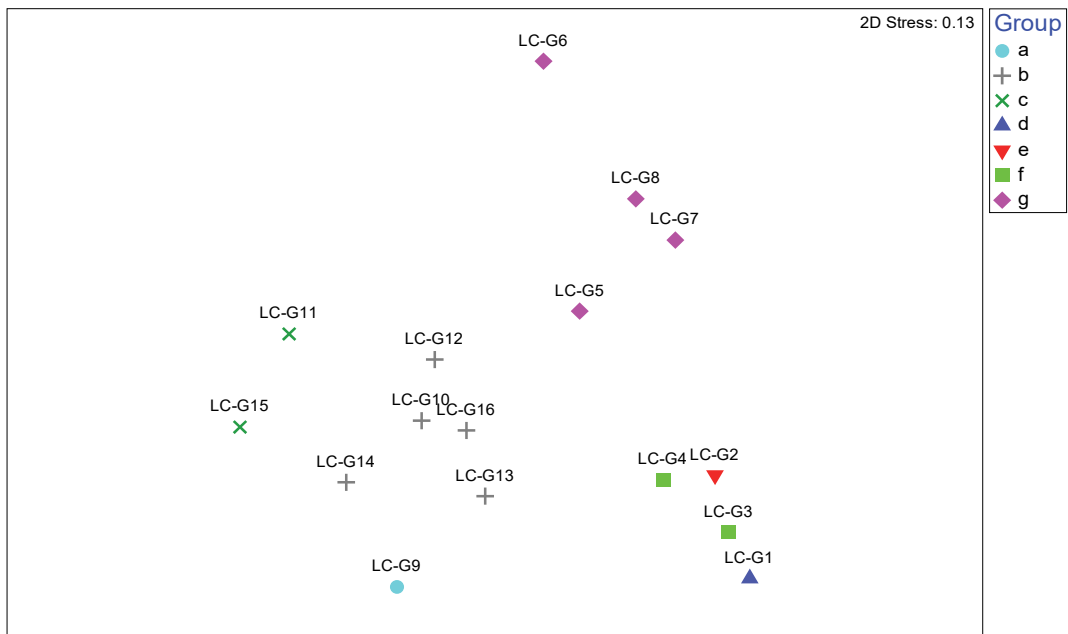
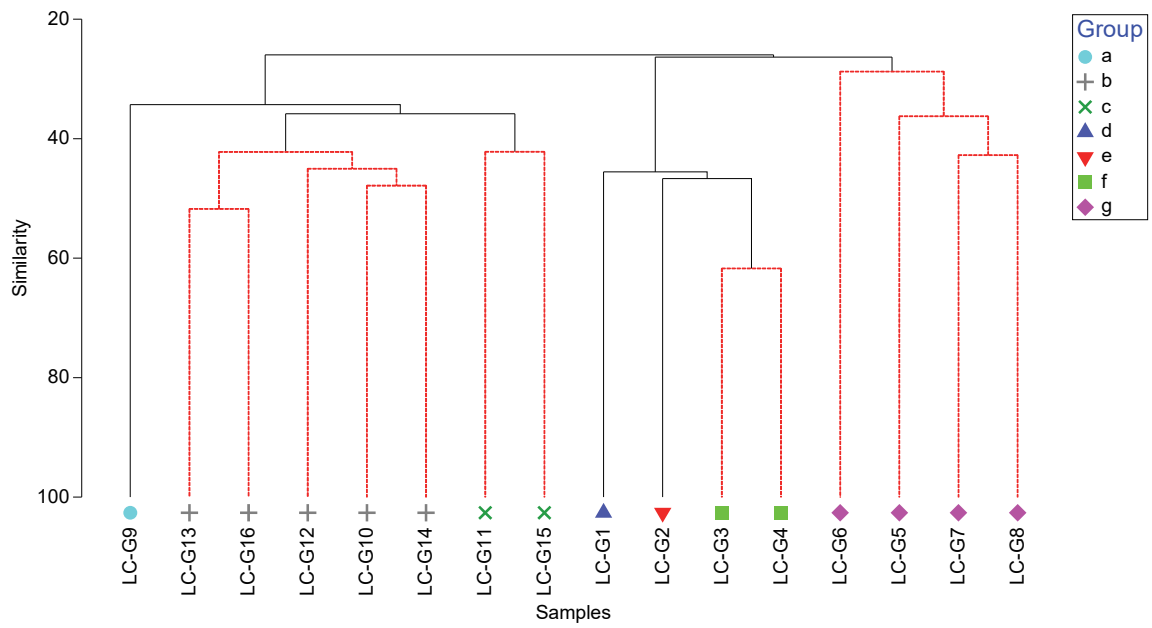


Figure 7. Results of cluster analysis and MDS.

Biotope composition (Loch Carron MPA)

The stations sampled in Loch Carron exhibited rather variable infralittoral or circalittoral mixed sediment infaunal assemblages which were often rather poorly defined in terms of biotope. Stations in groups a to c and g dominated by a variety of bivalves such as *Timoclea ovata*, *Kurtiella bidentata*, *Nucula nucleus* and *Hiatella arctica* along with polychaetes such as *Lumbrineris* sp. and *Owenia fusiformis*. Such communities did not correspond particularly well to existing biotopes and whilst they exhibited some similarities to mixed sediment biotopes such as **SS.SMx.CMx.MysThyMx** (*Mysella bidentata* and *Thyasira* spp. in circalittoral muddy mixed sediment) the stations lacked appreciable numbers of *Thyasira* and these rather poorly defined mixed sediment communities may also include infaunal components of other mixed sediment biotopes such as **SS.SMx.CMx.CIlOMx** or **SS.SMx.CMx.CIlModHo**.

Consequently, the stations in groups a to c have been classified as **SS.SMx.IMx** (infralittoral mixed sediment) whilst the stations in group g which have a slightly different community in somewhat deeper water have been classified **SS.SMx.CMx** (circalittoral mixed sediment) although the presence of burrowing anemones e.g. *Cerianthus lloydii* and *Edwardsia claparedii* at stations within this group possibly indicate the presence of biotopes such as **SS.SMx.CMx.CIlOMx** (*Cerianthus lloydii* and other burrowing anemones in circalittoral muddy mixed sediment).

Groups d, e and f were characterised by shallow mixed sediments with the flame shell *Limaria hians* present in moderately high numbers along with a fairly diverse assemblage of polychaetes (notably *Jasmineira elegans*), bivalves and a variety of encrusting taxa such as barnacles, hydroids and bryozoa. These stations have been assigned the biotope **SS.SMx.IMx.Lim** (*Limaria hians* beds in tide-swept sublittoral muddy mixed sediment). The location of these records correspond to previous records of flame shell beds in this area of Loch Carron based on drop-down video surveys (Figure 8). Annex 6 lists the stations within the groups defined by the SIMPROF test along with sediment type, biotope code and the top 10 most dominant taxa.

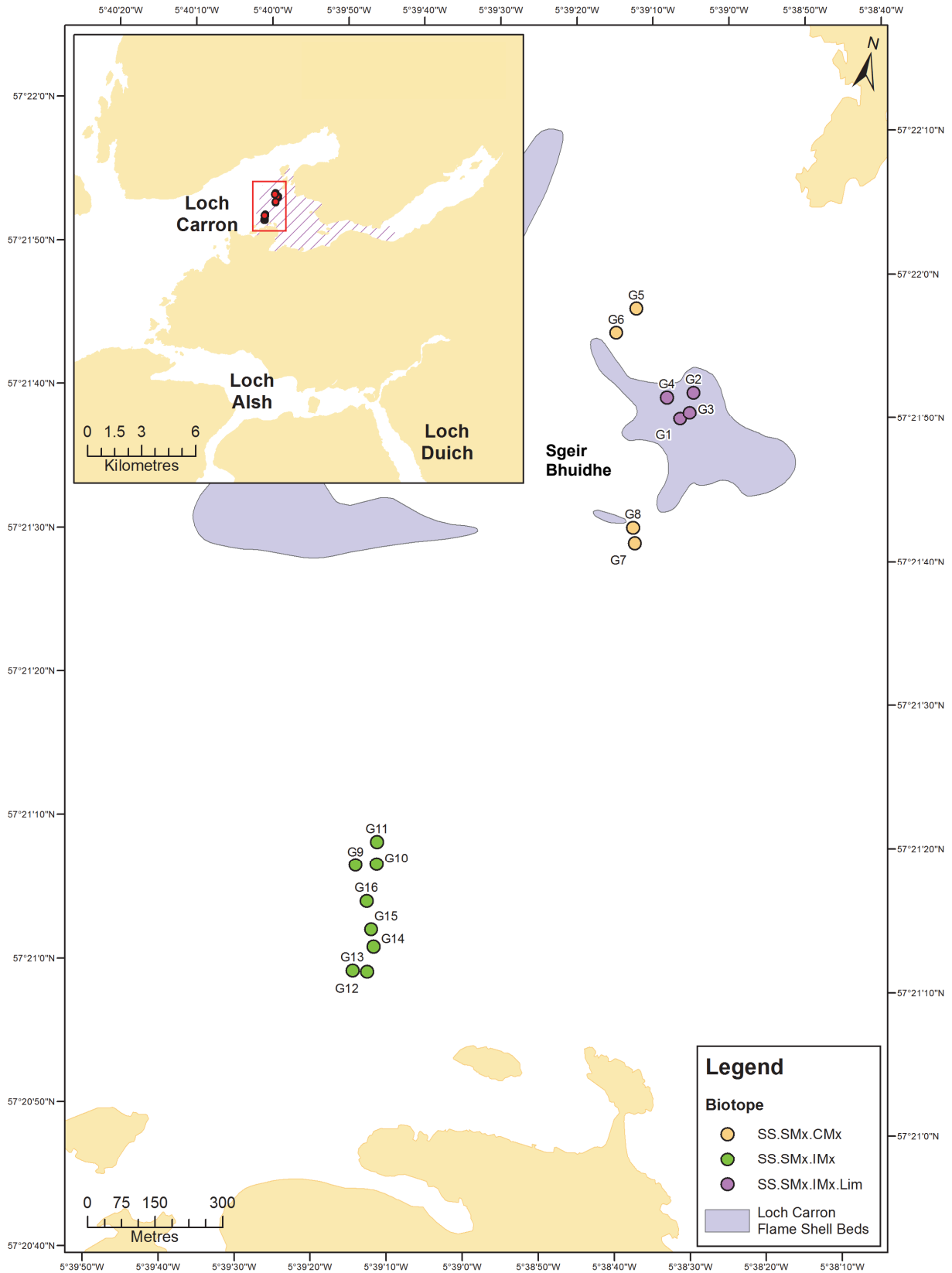


Figure 8. Biotopes from the 2017 Loch Carron MPA grab sample stations. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

4. WESTER ROSS MPA

4.1 Physical parameters (Wester Ross MPA)

Sediment types at the Wester Ross stations were predominantly rather heterogeneous mixed sediments including gravelly muddy sands and muddy sandy gravel or muddy gravel (Table 9, Annex 2). Mud content ranged from 16.48 % (WR-G3) to 35.58 % (WR-G4), whilst gravel content ranged from 3.32 % (WR-G1) to 36.41 % (WR-G2), see Figure 9 for the spatial distribution of the sediment characteristics. All stations had either very poorly sorted or extremely poorly sorted sediments.

Table 9. Physical parameters recorded at the Wester Ross MPA survey stations.

Station	Sediment Type	Median Grain Size (phi)	Mean Grain Size (phi)	Median Grain Size (µm)	Mean Grain Size (µm)	Sorting (phi)		% Gravel	% Sand	% Mud	Depth m BCD
WR-G1	Slightly gravelly muddy sand	0.97	2.19	510	219	2.85	Very poorly sorted	3.32	67.55	29.14	23.5
WR-G2	Muddy sandy gravel	0.80	0.88	576	544	4.15	Extremely poorly sorted	36.41	35.40	28.19	20.4
WR-G3	Gravelly muddy sand	-0.15	1.02	1110	494	2.44	Very poorly sorted	11.39	72.13	16.48	33.4
WR-G4	Gravelly muddy sand	2.25	2.36	210	195	3.43	Very poorly sorted	19.41	45.01	35.58	17.4
WR-G5	Muddy gravel	1.46	1.55	363	341	4.04	Extremely poorly sorted	32.61	33.36	34.03	18.4
WR-G6	Muddy sandy gravel	0.93	1.19	523	440	4.07	Extremely poorly sorted	34.85	33.87	31.29	32.3
WR-G7	Muddy sandy gravel	-0.13	0.53	1096	691	3.96	Very poorly sorted	35.90	38.88	25.22	29.2

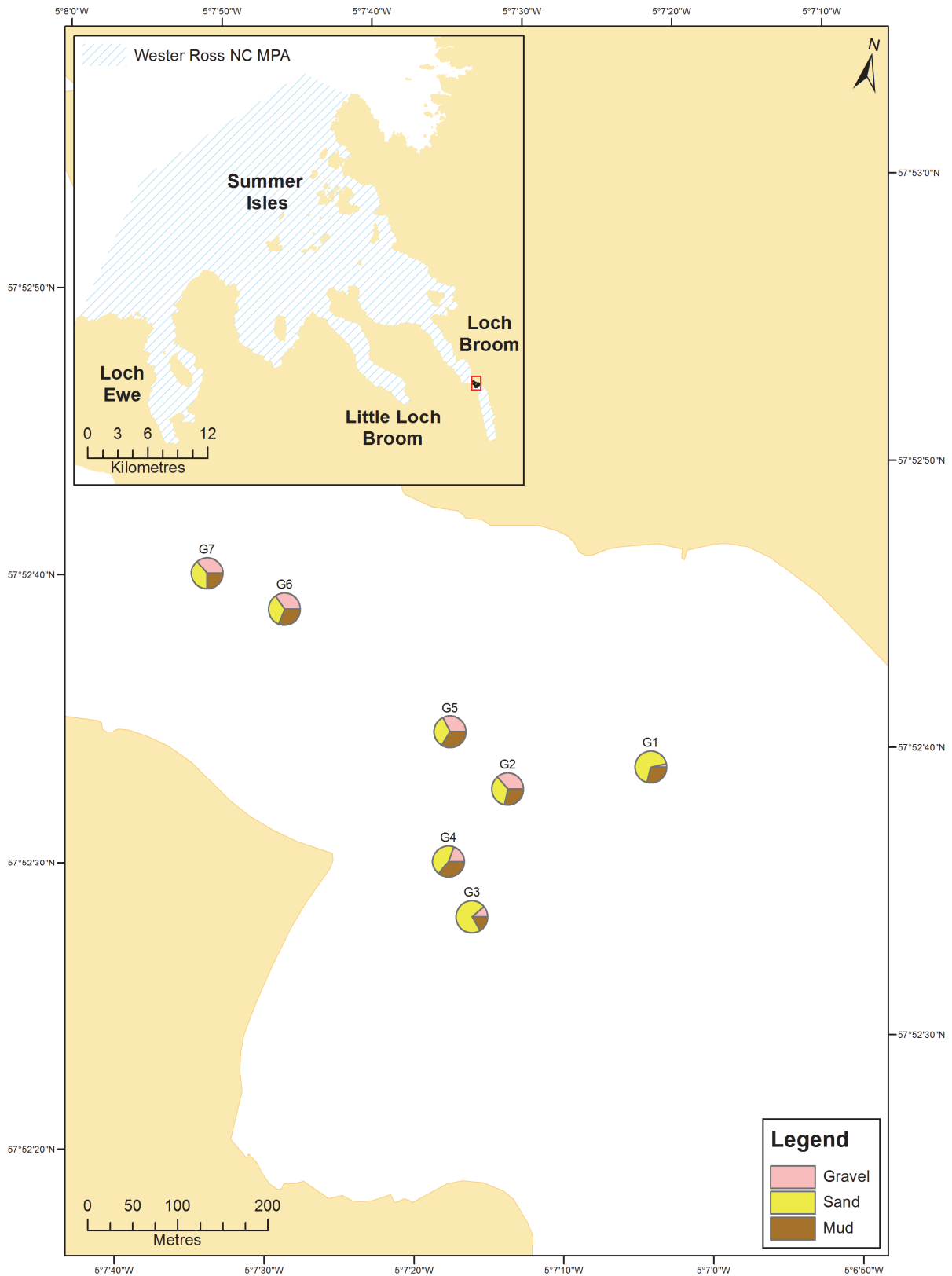


Figure 9. Sediment composition of infaunal samples collected at the Wester Ross MPA. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

4.2 Primary and derived biological parameters (Wester Ross MPA)

The biological parameters recorded from grab samples in the Wester Ross MPA survey area (Table 10) tended to be rather variable but generally exhibited moderate to high levels of species richness, abundance and diversity. Numbers of species ranged from 23 taxa per 0.1 m² at station WR-G6 to 97 taxa per 0.1 m² at station WR-G3. A similar pattern was evident with regard to total abundance with moderate to high numbers of individuals recorded ranging from 99 individuals per 0.1 m² (station WR-G6) to 805 individuals per 0.1 m² (station WR-G1). Pielou's evenness values were generally high, ranging from 0.78 (station WR-G7) to 0.88 (station WR-G2). Values for Shannon's diversity were moderate to high with values below 4 at stations WR-G6 (3.64) and WR-G7 (3.57) and increasing to values above 5 at stations WR-G1 (5.01) and WR-G3 (5.36). Stations further west (downstream) along Loch Broom (stations WR-G6 and WR-G7) were found to have lower species richness and diversity (See Annex 7 to 9).

Table 10. Primary and derived biological parameters at the Wester Ross MPA survey stations.

Station	Number of Species	Total Abundance per 0.1m ²	Margalef's d	Pielou's Evenness J	Shannon's Diversity H'
WR-G1	83	805	11.66	0.80	5.04
WR-G2	33	115	6.74	0.88	4.46
WR-G3	97	758	13.87	0.82	5.36
WR-G4	67	647	10.04	0.79	4.76
WR-G5	34	129	6.58	0.82	4.16
WR-G6	23	99	4.79	0.81	3.64
WR-G7	24	131	4.72	0.78	3.57

4.3 Species composition (Wester Ross MPA)

A wide variety of taxa were recorded from the grab samples in Loch Broom within the Wester Ross MPA with 191 taxa recorded in total (Annex 10). The numerically dominant taxa which accounted for 70% of the total abundance of animals recorded in the samples is provided in Table 11. The most dominant taxa included a variety of echinoderms, molluscs, barnacles, polychaetes and crustacea with taxa such as *Ophiothrix fragilis* and *Timoclea ovata* most abundant and accounting for around 14% of the total abundance and these two taxa occurred at all of the survey stations. Other key taxa in terms of abundance included *Verruca stroemia*, *Pholoe inornata*, Nematoda spp., *Onoba semicostata*, *Modiolula phaseolina*, *Balanus balanus*, *Golfingia* sp., *Hiatella arctica*, *Laonice sarsi* and *Nucula nucleus* which collectively accounted for 52% of the total abundance. Many of these taxa were recorded in less than 50% of stations except for taxa such as *Pholoe inornata*, *Nucula nucleus* and *Scalibregma inflatum* which were recorded at 100% of the survey stations. Specimens of the flame shell *Limaria hians* were also recorded at stations WR-G1, WR-G3 and WR-G4 and subsequently measured (Annex 17). The measurements of *L. hians* shell length ranged from 3 mm to 22 mm.

Table 11. Dominant taxa (by abundance) recorded at the Wester Ross MPA survey stations.

Taxa	Total Abundance	Mean Abundance per 0.1m ²	Cumulative% of Total Abundance	No. of Samples	% of Samples
<i>Ophiothrix fragilis</i>	220	31	8.20	7	100
<i>Timoclea ovata</i>	165	24	14.34	7	100
<i>Verruca stroemia</i>	159	23	20.27	3	43
<i>Pholoe inornata</i>	149	21	25.82	7	100
Nematoda spp.	122	17	30.37	3	43
<i>Onoba semicostata</i>	117	17	34.72	4	57
<i>Modiolula phaseolina</i>	92	13	38.15	3	43
<i>Balanus balanus</i>	83	12	41.24	2	29
<i>Golfingia</i> sp.	75	11	44.04	2	29
<i>Hiatella arctica</i>	73	10	46.76	3	43
<i>Laonice sarsi</i>	70	10	49.37	1	14
<i>Nucula nucleus</i>	70	10	51.97	7	100
<i>Leptochiton asellus</i>	69	10	54.55	6	86
<i>Alvania beanii</i>	63	9	56.89	3	43
<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i> ?)	61	9	59.17	5	71
<i>Scalibregma inflatum</i>	50	7	61.03	7	100
<i>Limaria hians</i>	45	6	62.70	3	43
<i>Prionospio cirrifera</i>	42	6	64.27	1	14
<i>Polycirrus</i> spp.	39	6	65.72	3	43
Ostracoda spp.	38	5	67.14	3	43
<i>Anomia ephippium</i>	36	5	68.48	5	71
<i>Flabelligera affinis</i>	33	5	69.71	3	43
<i>Parvicardium pinnulatum</i>	25	4	70.64	3	43
<i>Golfingiidae</i> sp. (juvenile)	25	4	71.57	1	14

4.4 Multivariate analysis (Wester Ross MPA)

The results of cluster analysis and nMDS on the Wester Ross samples are provided in Figure 10 with the spatial distribution of groups highlighted in Annex 11. Similarities between samples range from around 20% to just below 60% and the SIMPROF routine identified two groups of samples. The results of SIMPER analysis (which highlights characteristic taxa) on the cluster groups derived from SIMPROF along with environmental parameters at the stations within the groups is provided in Annex 12. Group a includes stations G2, G5, G6 and G7 which were characterised by muddy sandy gravel or muddy gravel in water depths ranging from 18.4 m to 32.3 m below CD. This group of stations included taxa such as *Timoclea ovata*, *Ophiothrix fragilis*, *Leptochiton asellus*, *Nucula nucleus*, *Pholoe inornata*, *Paradoneis lyra*, *Nephtys kersivalensis* and *Lumbrineris* sp. (*aniara/cingulata*?). Group b (stations G1, G3 and G4) were characterised by gravelly muddy sand or slightly gravelly muddy sand in water depths ranging from 17.4 m to 33.4 m below CD. These stations included a variety of taxa including *Pholoe inornata*, Nematoda spp., *Onoba semicostata*, *Timoclea ovata*, *Modiolula phaseolina*, *Verruca stroemia*, *Hiatella arctica*, *Nucula nucleus*, *Scalibregma inflatum*, *Alvania beanii* and moderate densities of the flame shell *Limaria hians*.

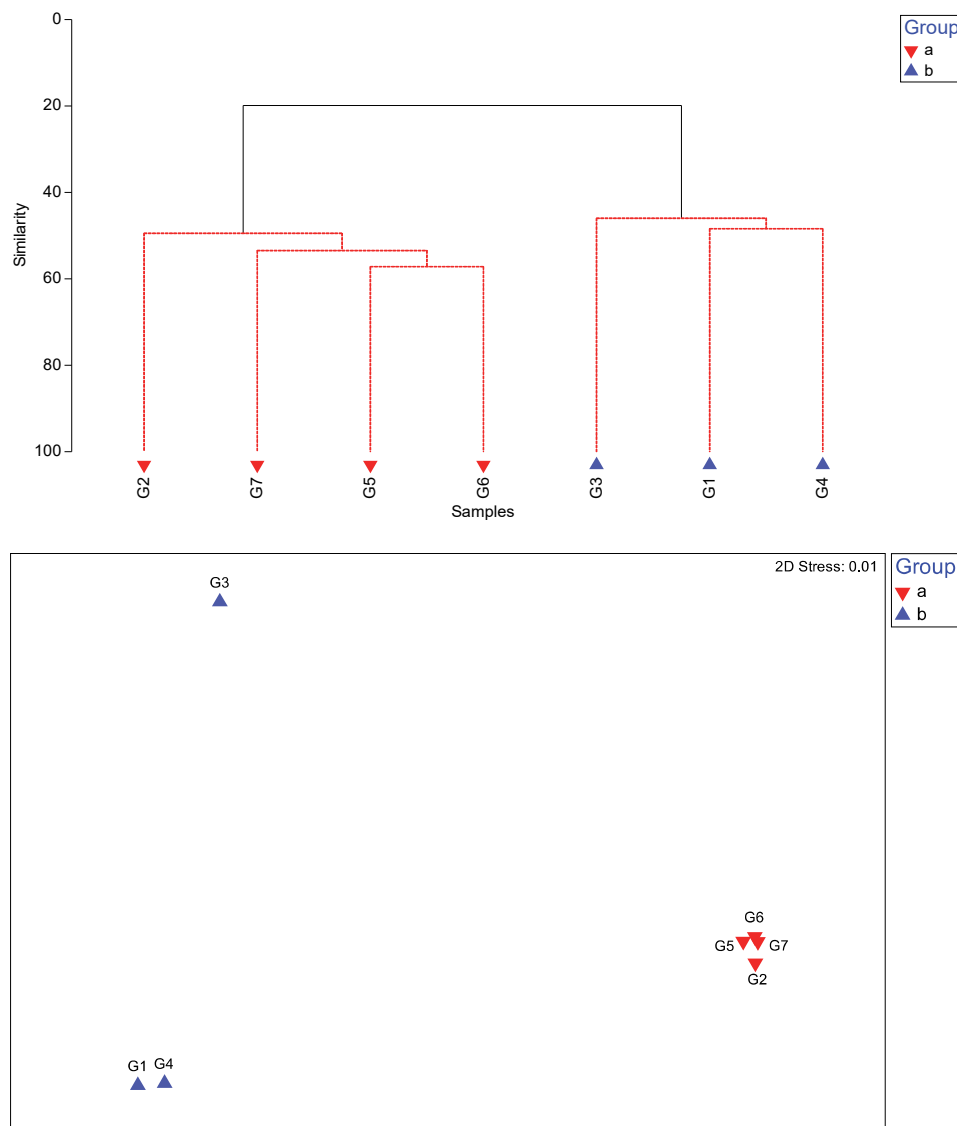


Figure 10. Results of cluster analysis and nMDS for the Wester Ross MPA grab survey stations.

4.5 Biotope composition (Wester Ross MPA)

Four samples from Loch Broom were assigned to the biotope **SS.SMx.CMx.OphMx** (*Ophiothrix fragilis* and/or *Ophiocomina nigra* brittlestar beds on sublittoral mixed sediment), as shown in Figure 11 and Annex 13. These were also the samples assigned to stations in cluster group a (stations WR-G2, WR-G5, WR-G6 and WR-G7). These samples were characteristically dominated by quite high numbers of the brittlestar *Ophiothrix fragilis* which together with *Timoclea ovata* contributed most in terms of similarity as defined by the SIMPER test. The remaining stations (WR-G1, WR-G3 and WR-G4) located slightly further to the east were characterised by a broadly similar community but tended to have higher abundances and a wider variety of taxa. *Ophiothrix fragilis* was also present in high numbers at these stations but accounted for a much lower contribution to similarity. Taxa such as *Pholoe inornata*, *Nematoda* spp., *Onoba semicostata*, *Timoclea ovata*, *Modiolula phaseolina*, *Verruca stroemia* and *Hiatella arctica* made a higher contribution and notably the flame shell *L. hians* was present in moderately high numbers at these stations. As such, the stations in group b have been assigned the biotope **SS.SMx.IMx.Lim** (*Limaria hians* beds in tide-swept sublittoral muddy mixed sediment) and the position of these stations are within the previously recorded boundaries for flame shell beds in Loch Broom (Figure 11).

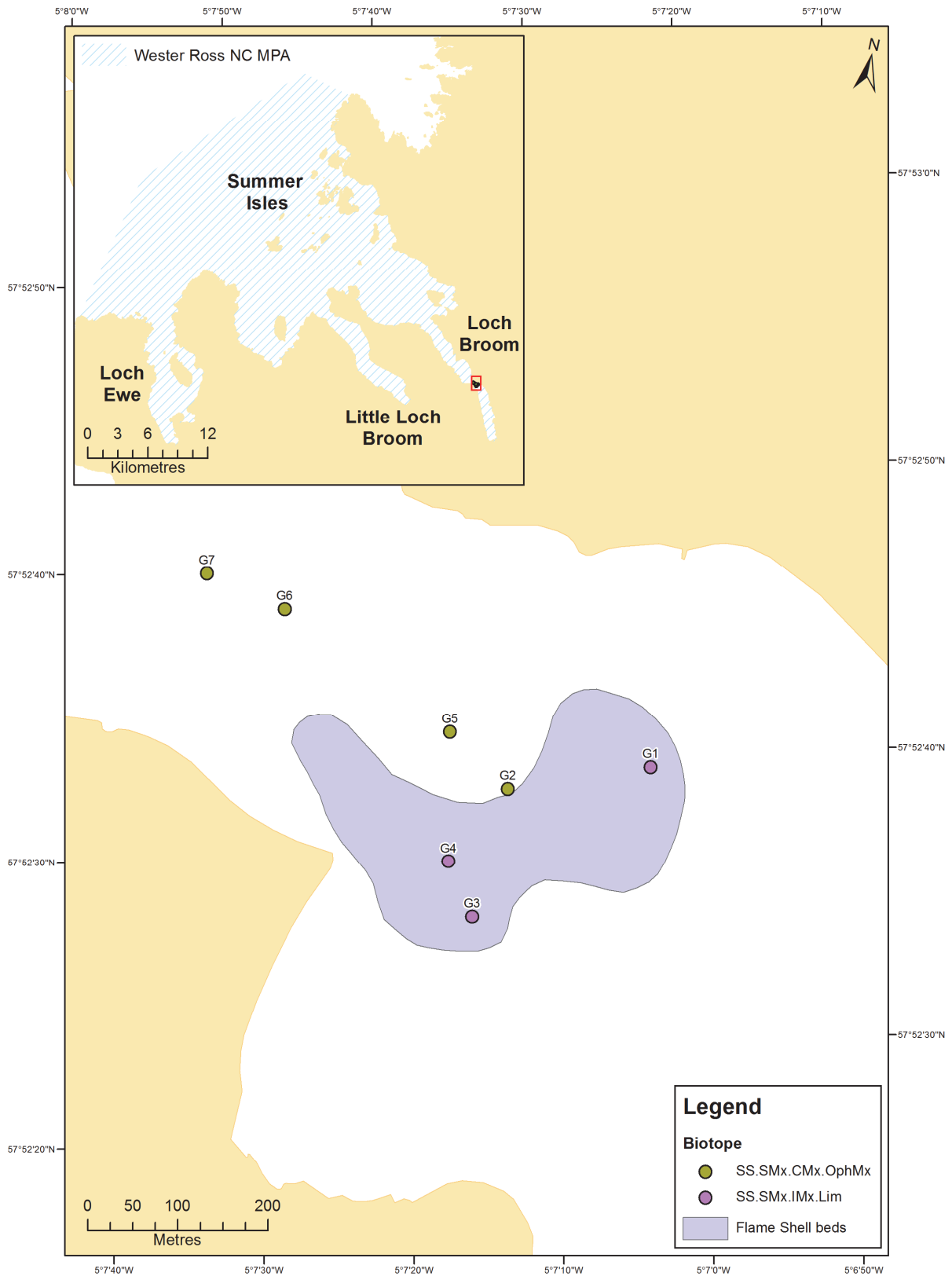


Figure 11. Biotopes at the 2017 Wester Ross MPA grab sample stations. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

5. MORAY FIRTH SAC

5.1 Physical parameters (Moray Firth SAC)

Sediment types in the Moray Firth were broadly similar across all eight samples and were predominantly poorly sorted (slightly gravelly) muddy sands or sandy muds (Table 13, Figure 12 and Annex 2). Station MF-G08 to the west of the survey area differed somewhat and had a much higher gravel content (classified as gravelly muddy sand) whereas the remaining stations were characterised by extremely small quantities of gravel. Apart from station MF-G08, the survey stations tended to be characterised by sediments with very low quantities of gravel (<0.3%) (Figure 12). Mud content ranged from 28.76 % (station MF-G08) to 57.75 % (station MF-G03) and sand content ranged from 42.23 % (station MF-G03) to 55.71 % at station MF-G01).

Table 13. Physical parameters recorded at the Moray Firth SAC survey stations.

Station	Sediment Type	Median Grain Size (phi)	Mean Grain Size (phi)	Median Grain Size (µm)	Mean Grain Size (µm)	Sorting (phi)		% Gravel	% Sand	% Mud	Depth (mCD)
MF-G01	Slightly gravelly muddy sand	3.80	3.94	72	65	1.70	Poorly sorted	0.20	55.71	44.09	25.4
MF-G02	Slightly gravelly muddy sand	3.93	4.20	65	55	1.50	Poorly sorted	0.31	52.11	47.57	26.4
MF-G03	Slightly gravelly sandy mud	4.25	4.52	53	44	1.51	Poorly sorted	0.02	42.23	57.75	27.3
MF-G04	Slightly gravelly sandy mud	4.13	4.36	57	49	1.64	Poorly sorted	0.03	46.41	53.56	23.3
MF-G05	Slightly gravelly muddy sand	3.93	4.13	66	57	1.78	Poorly sorted	0.05	51.95	48.00	24.2
MF-G06	Slightly gravelly sandy mud	4.19	4.45	55	46	1.50	Poorly sorted	0.13	44.13	55.73	26.2
MF-G07	Slightly gravelly sandy mud	4.20	4.51	54	44	1.61	Poorly sorted	0.03	44.07	55.91	26.2
MF-G08	Gravelly muddy sand	2.28	1.82	206	283	3.24	Very poorly sorted	25.13	46.11	28.76	23.2

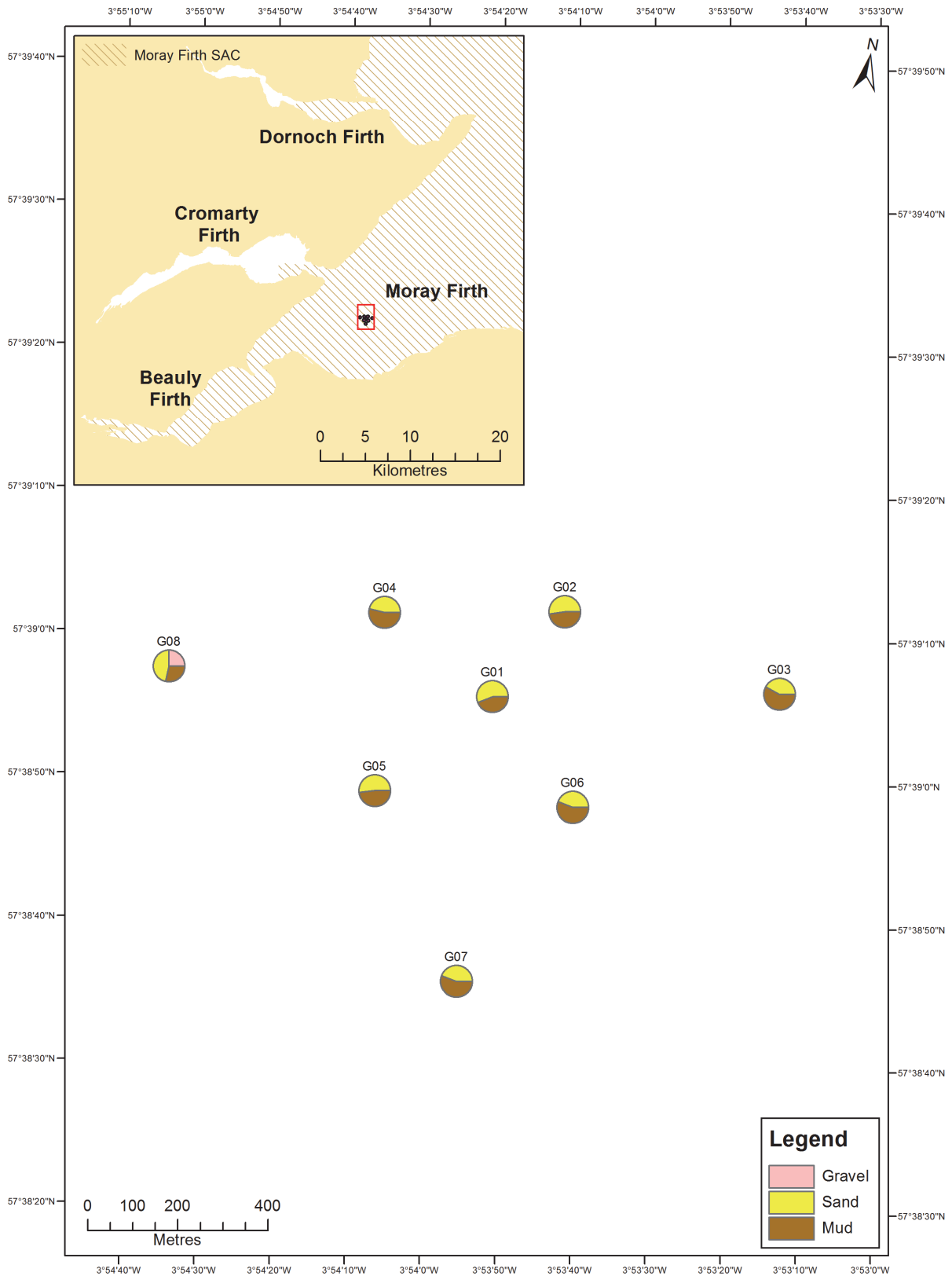


Figure 12. Sediment composition of infaunal samples collected at the Moray Firth SAC. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

5.2 Primary and derived biological parameters (Moray Firth SAC)

The biological parameters recorded from grab samples in the Moray Firth SAC survey (Table 14) tended to be rather variable but generally exhibited low to moderate species richness and diversity. The abundance and diversity of the infauna were particularly low at station MF-G02. Overall, numbers of species ranged from 14 taxa per 0.1 m² at station MF-G02 to 48 taxa per 0.1 m² at station MF-G05. A similar pattern was evident with regard to total abundance and in general the numbers of individuals per station were moderate to low; from 48 individuals per 0.1 m² (station MF-G02) to 181 individuals per 0.1 m² (station MF-G08). Pielou's evenness values were quite high, ranging from 0.74 (station MF-G08) to 0.91 (station MF-G07) whilst values of Shannon's diversity were moderately high and ranged from 3.17 (station MF-G02) to 4.90 (station MF-G05) with the majority of stations having values above 4.

Table 14. Primary and derived biological parameters at the Moray Firth SAC survey stations.

Station	Number of Species	Total Abundance per 0.1m ²	Margalef's d	Pielou's Evenness J	Shannon's Diversity H'
MF-G01	36	145	7.03	0.89	4.59
MF-G02	14	48	3.36	0.83	3.17
MF-G03	37	136	7.33	0.85	4.42
MF-G04	43	142	8.47	0.89	4.84
MF-G05	48	150	9.38	0.88	4.90
MF-G06	34	93	7.06	0.90	4.56
MF-G07	36	84	7.90	0.91	4.72
MF-G08	44	181	8.08	0.74	4.03

5.3 Species composition (Moray Firth SAC)

A variety of molluscs, echinoderms, polychaetes and crustacea taxa were recorded from the grab samples in the Moray firth SAC with 128 taxa recorded in total (Annex 14). The numerically dominant taxa which account for 70% of the total abundance of animals recorded in the samples is provided in Table 15. The most dominant species included moderate numbers of *Diplocirrus glaucus*, *Lumbrineris* sp. (*aniara/cingulata?*), *Galathowenia oculata*, *Amphiura filiformis*, *Iphinoe serrata*, juvenile Ophiuroidea spp. and *Turritella communis* which collectively accounted for 39% of the total abundance. *Diplocirrus glaucus* and *Galathowenia oculata* were the most ubiquitous taxa and were recorded at all survey stations.

Table 15. Dominant taxa (by abundance) recorded at the Moray Firth SAC survey stations.

Taxa	Total Abundance	Mean Abundance per 0.1m ²	Cumulative% of Total Abundance	No. of Samples	% of Samples
<i>Diplocirrus glaucus</i>	71	8.9	7.25	8	100
<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i> ?)	68	8.5	14.20	5	62.5
<i>Galathowenia oculata</i>	53	6.6	19.61	8	100
<i>Amphiura filiformis</i>	51	6.4	24.82	4	50
<i>Iphinoe serrata</i>	50	6.3	29.93	7	87.5
Ophiuroidea spp. (juvenile)	50	6.3	35.04	3	37.5
<i>Turritella communis</i>	41	5.1	39.22	5	62.5
<i>Amphiura chiajei</i>	37	4.6	43.00	2	25
<i>Pholoe inornata</i>	30	3.8	46.07	6	75
Nemertea spp.	26	3.3	48.72	6	75
<i>Harpinia antennaria</i>	25	3.1	51.28	7	87.5
<i>Chaetoderma nitidulum</i>	25	3.1	53.83	7	87.5
Ascidacea spp. (juvenile)	20	2.5	55.87	3	37.5
<i>Diastylis laevis</i>	18	2.3	57.71	4	50
<i>Spiophanes bombyx</i>	17	2.1	59.45	7	87.5
<i>Scalibregma inflatum</i>	15	1.9	60.98	6	75
<i>Ampelisca tenuicornis</i>	14	1.8	62.41	6	75
<i>Trichobranchus roseus</i>	14	1.8	63.84	5	62.5
<i>Rhodine gracilior</i>	14	1.8	65.27	5	62.5
<i>Spiophanes kroyeri</i>	13	1.6	66.60	5	62.5
<i>Nephtys hombergii</i>	12	1.5	67.82	4	50
<i>Lucinoma borealis</i>	12	1.5	69.05	4	50
<i>Thyasira flexuosa</i>	10	1.3	70.07	5	62.5
<i>Corbula gibba</i>	10	1.3	71.09	5	62.5

5.4 Multivariate analysis (Moray Firth SAC)

The results of cluster analysis and nMDS on the Moray Firth SAC samples are provided in Figure 13. Similarities between samples range from around 55% to just below 60% and the SIMPROF routine identified four groups of samples, although this included two groups containing a single sample station. The results of SIMPER analysis (which highlights characteristic taxa) on the cluster groups derived from the SIMPROF routine are provided in Annex 15 along with environmental data from the stations within each group.

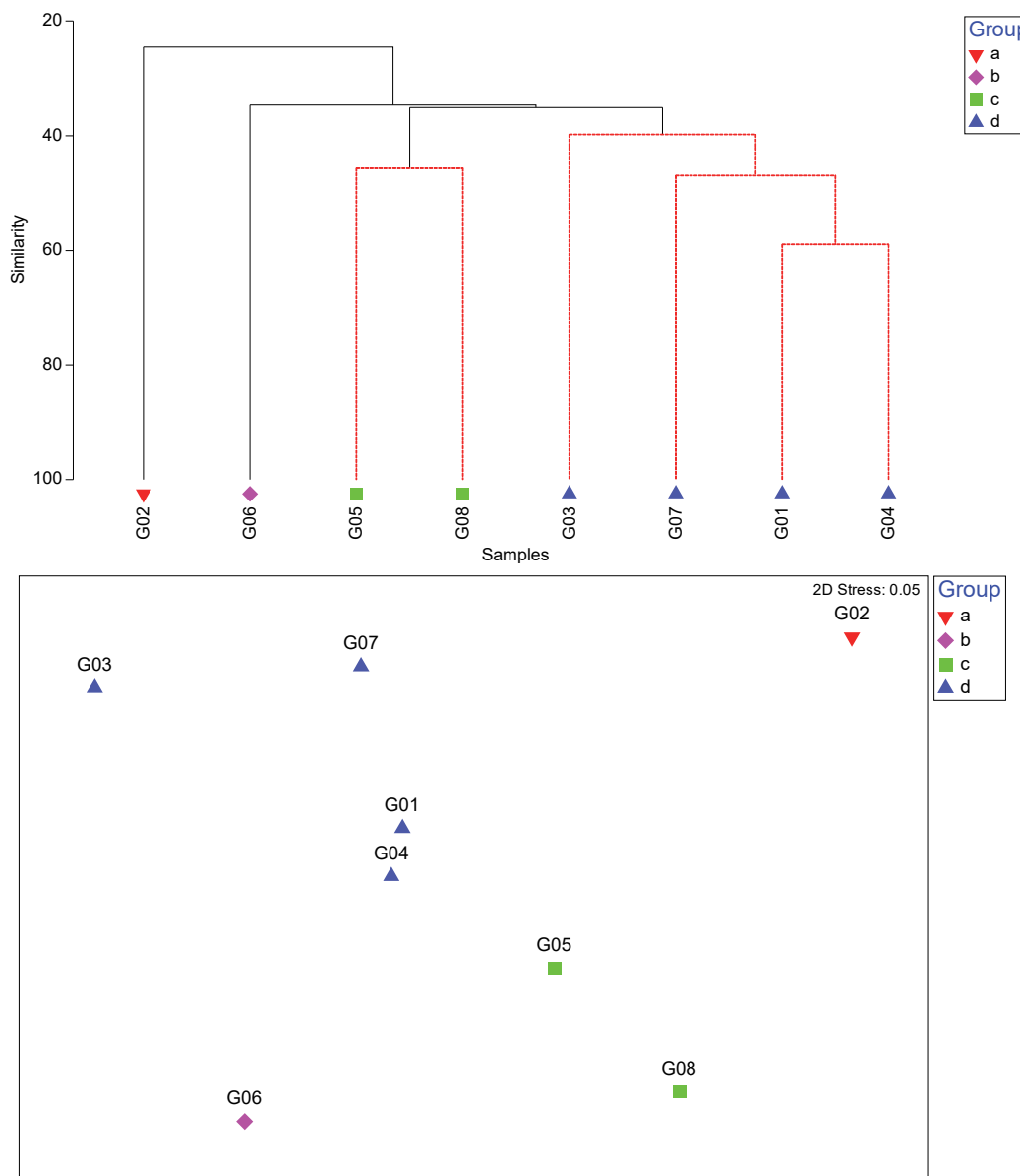


Figure 13. Results of cluster analysis and nMDS for the Moray Firth SAC survey stations.

Group a included a single station (G02) characterised by (slightly gravelly) muddy sand in water depths of 26.4 m below chart datum and included taxa such as *Iphinoe serrata*, juvenile *Ascidacea* spp., *Diastylis laevis*, *Spiophanes bombyx*, *Diplocirrus glaucus*, *Platyhelminthes* spp., *Sthenelais boa* and *Diastylis* sp.

Group b included a single station (G06) and was characterised by (slightly gravelly) sandy mud in water depths of 26.2 m below chart datum with key taxa including *Diplocirrus glaucus*, *Galathowenia oculata*, juvenile Amphiuridae sp., *Tellimya ferruginosa*, *Chaetoderma nitidulum*, *Trichobranchus roseus*, *Clausinella fasciata* and *Iphinoe serrata*. Group c included two stations (G05 and G08) with one station (G05) characterised by (slightly gravelly) muddy sand whilst station G08 was characterised by gravelly muddy sand. Key taxa at these stations included juvenile Ophiuroidea spp., *Galathowenia oculata*, *Amphiura filiformis*, juvenile Ascidiacea spp., Nemertea spp., *Pholoe inornata* and *Iphinoe serrata*. Group d included four stations in slightly deeper water (23.3 m to 27.3 m below CD) which were generally characterised by (slightly gravelly) sandy mud and taxa such as *Diplocirrus glaucus*, *Turritella communis*, *Harpinia antennaria*, *Pholoe inornata*, *Chaetoderma nitidulum*, *Galathowenia oculata* and *Spiophanes kroyeri*.

5.5 Biotope composition (Moray Firth SAC)

Most of the samples were sandy mud with a very small gravel fraction in moderate water depths (23 to 27 m BCD) and have been classified as **SS.SMu.CSaMu** (circalittoral sandy mud) as highlighted in Figure 14 and Annex 16. In general terms the communities sampled showed most similarity to typical *Amphiura* dominated biotopes such as **SS.SMu.CSaMu.AfilMysAnit** (*Amphiura filiformis*, *Mysella bidentata* and *Abra nitida* in circalittoral sandy mud) or **SS.SMu.CSaMu.AfilNten** (*Amphiura filiformis* and *Nuculoma tenuis* in circalittoral and offshore sandy mud) and other associated biotopes. However, numbers of *Amphiura* were variable and often quite low whilst other key taxa such as *Mysella bidentata* and *Abra nitida* or *Nuculoma tenuis* were often absent. Four of the samples also showed some similarity to sandy offshore *Amphiura* dominated biotopes e.g. **SS.SSa.OSa.OfusAfil** (*Owenia fusiformis* and *Amphiura filiformis* in offshore circalittoral sand or muddy sand) particularly at stations in group d which often included *Amphiura filiformis* and oweniid polychaetes such as *Galathowenia oculata* (albeit in quite low numbers). However, the mud content was rather high for this biotope and, as such, the majority of the samples have been assigned **SS.SMu.CSaMu** (although may be considered intermediate biotopes on the boundary of several biotope complexes). One station (G08) was assigned the biotope **SS.SMx.CMx** (circalittoral mixed sediment) as it had a much higher gravel content. The outlier station, G02, was tentatively assigned **SS.SMu.CSaMu** but had a slightly higher sand content and may be intermediate with **SS.SSa.CMuSa** (Circalittoral muddy sand) biotopes.

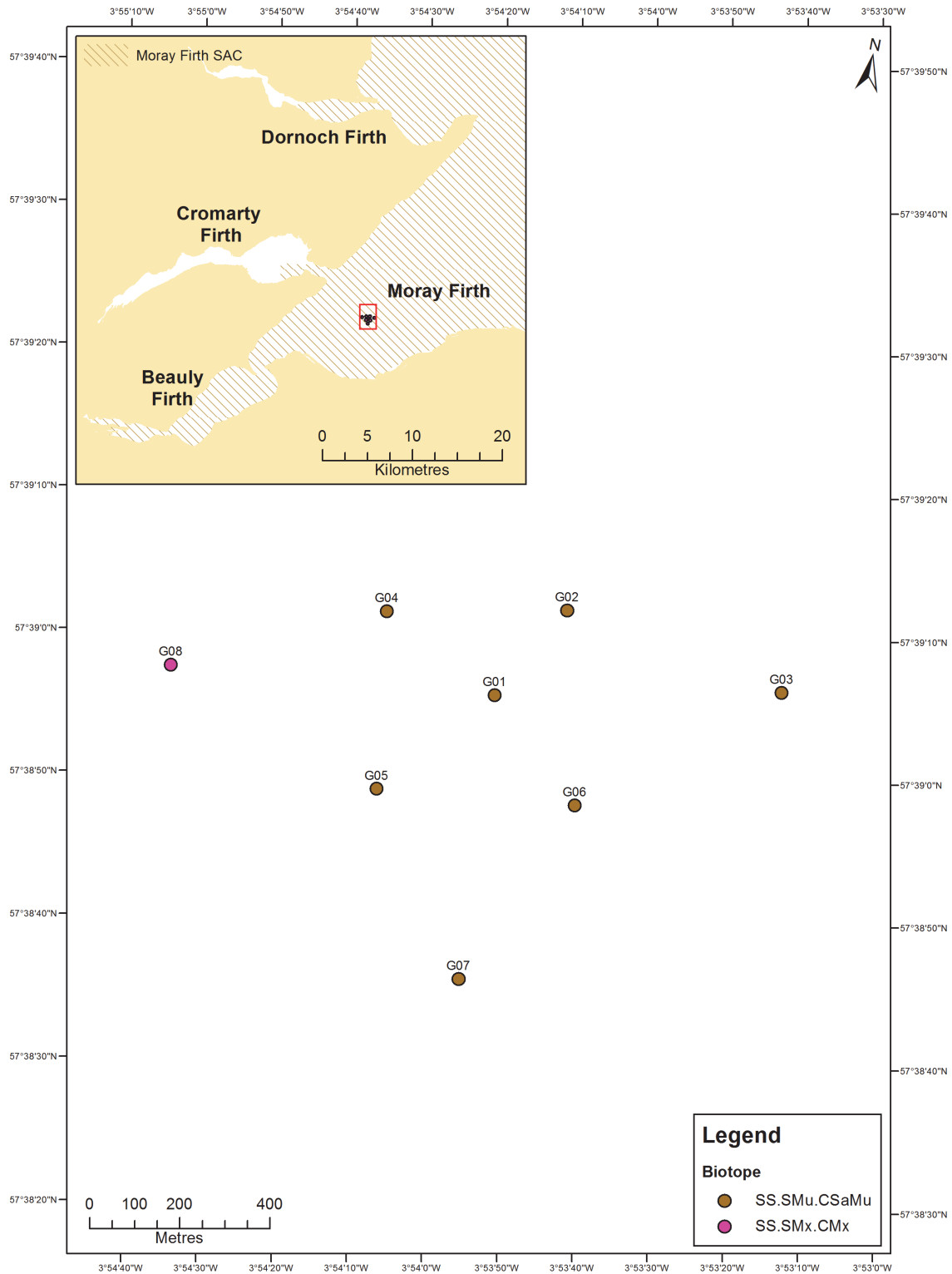


Figure 14. Biotopes assigned to the 2017 Moray Firth SAC grab sampling survey stations. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

6. SOUND OF BARRA SAC

6.1 Physical parameters (Sound of Barra SAC)

The results of particle size analysis for the Sound of Barra SAC samples are provided in Annex 2 and a summary of physical parameters is provided in Annex 18 which shows average sediment parameters and water depth with other summary statistics for the different areas and survey boxes. Average values of median grain size and sediment classes (gravel, sand and mud) are also shown along with 95% confidence limits in Figures 15 and 16 whilst the spatial distribution of bulk sediment classes is also provided in Annex 19. Water depths at the Sound of Barra SAC survey stations ranged from 15.38 m to 42 m below CD whilst sediment types generally rather coarse gravelly sand, slightly gravelly sand or sandy gravel with one area (box s11 in deeper water further north) exhibiting muddier sediments with (slightly gravelly) muddy sand or gravelly muddy sand. Sediment sorting was rather variable and ranged from very poorly sorted to moderately well sorted. With the exception of stations within box s11 the gravel component at the majority of stations was often characterised by dead maerl fragments and live maerl was collected at 66 stations (predominantly within the SAC).

In general, the survey stations within the boxes located within the SAC (boxes S3 to S7) tended to have somewhat coarser sediments (increased median grain size) with higher gravel content (Figures 21 to 27). Gravel content tended to increase further south within the SAC reaching a peak at box S6 within the SAC which exhibited the coarsest sediments with stations here generally having a higher gravel content, very low mud content and moderately well sorted sediments. Box S7 at the southern end of the SAC had a reduced gravel component similar to stations just outside the SAC.

Samples from survey boxes to the north of the SAC (S2 and S11) were more variable than those within the SAC. Samples from box S2 contained gravelly sands, whilst the northernmost survey box (S11) was located in deeper water (35 m to 40 m below CD) with muddier sediments and a much lower gravel content. Survey boxes to the south of the SAC (boxes S8 to S10) were also characterised by gravelly sand or slightly gravelly sand but tended to have a somewhat lower gravel content and correspondingly higher sand content.

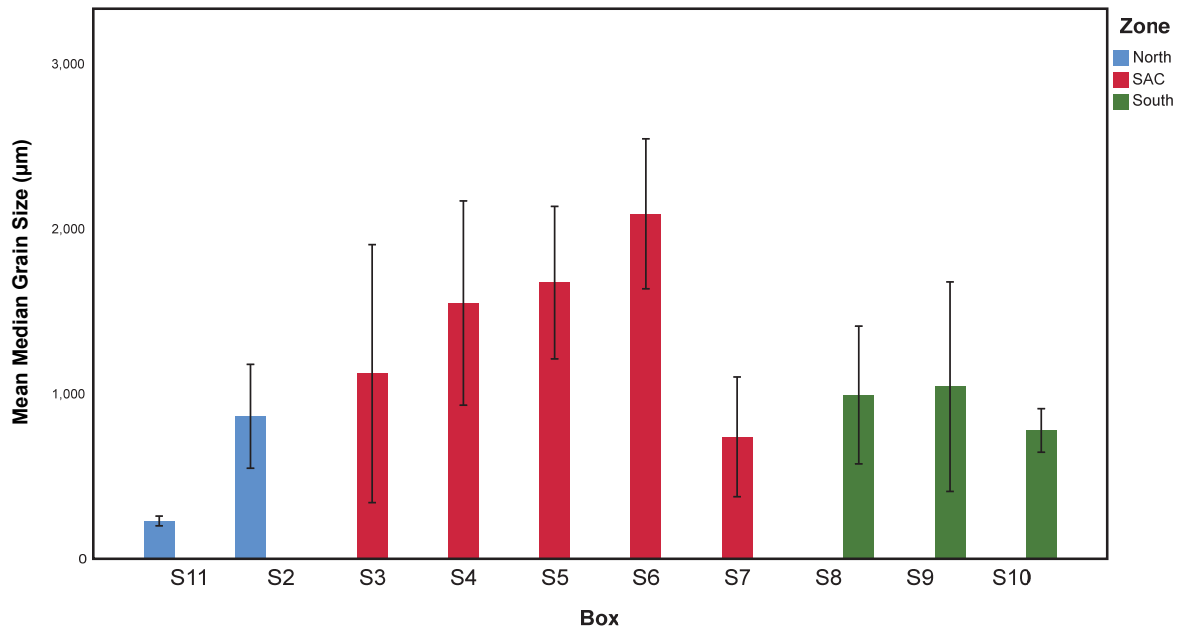


Figure 15. Average median grain size at the Sound of Barra SAC survey boxes.

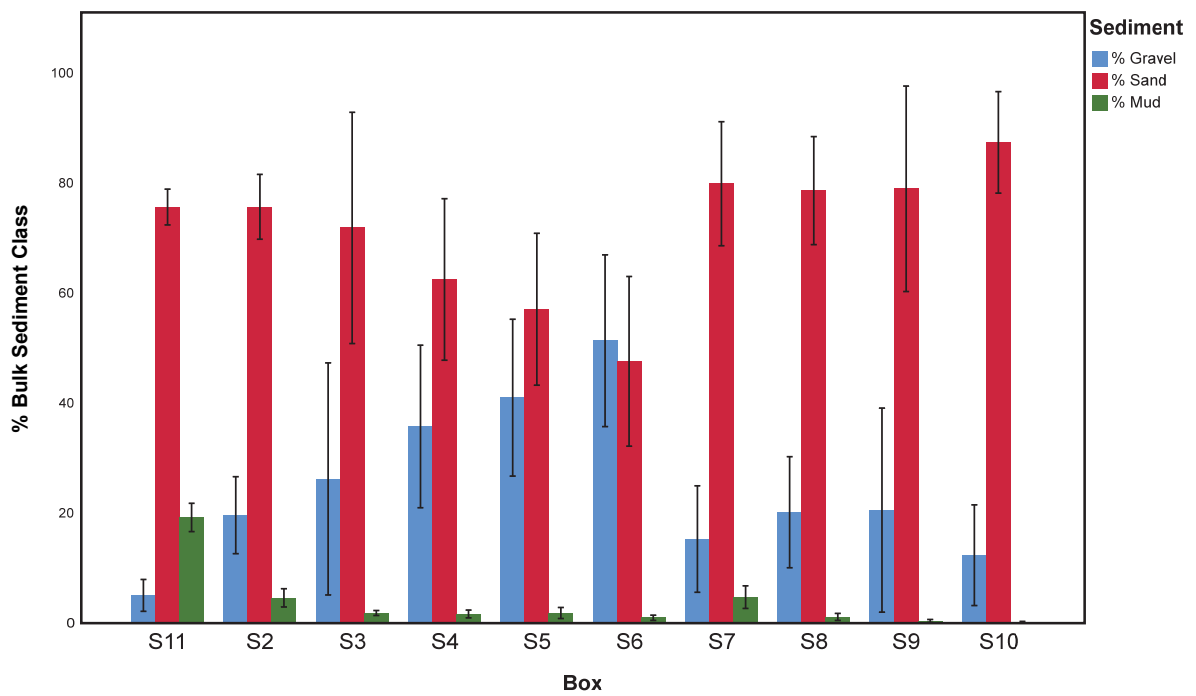


Figure 16. Average bulk sediment classes at the Sound of Barra SAC survey boxes.

6.2 Primary and derived biological parameters (Sound of Barra SAC)

The biological communities sampled during the Barra SAC survey generally exhibited moderate to high species richness and diversity (Figures 17 to 19, Annex 20). Mean infauna abundance within the SAC (377 individuals per 0.1 m²) tended to be higher than boxes to the north (mean of 242 individuals per 0.1 m²) and the south of the SAC (mean of 257 individuals per 0.1 m²). Numbers of species ranged from 24 taxa per 0.1 m² at station S9_G6 to 108 taxa per 0.1 m² at station Z2 whilst the numbers of individuals per station ranged from 76 individuals per 0.1 m² (station S2_G4) to 1188 individuals per 0.1 m² (station S5_G8). Values of Pielou's evenness (J) and Shannons's diversity (H') were moderate to high with Pielou's J ranging from 0.63 (station S7_G9) to 0.95 (station S11-G2) whilst Shannon's diversity ranged from 3.24 (station S10_G9) to 5.71 (station S7_G2) with most stations having values above 4. Mean values of biological parameters (along with standard deviation and % variance) for the survey areas and individual survey boxes are provided in Annex 21. The spatial distribution of key parameters (numbers of taxa and abundance) are provided in Annex 22 and 23.

The mean total numbers of taxa to the north of the SAC and within the SAC are broadly similar (around 65 taxa per station) whilst lower numbers of taxa were generally recorded to the south of the SAC (mean of 46 taxa per station). Mean values of Margelef's d and Pielou's evenness were broadly similar across all survey areas. Mean values of Shannon's diversity were relatively similar across all survey areas with mean values between 4 to 5. Spatial variability of biological parameters within survey boxes were often quite high (Figures 17 to 19 and Annex 22 and 23).

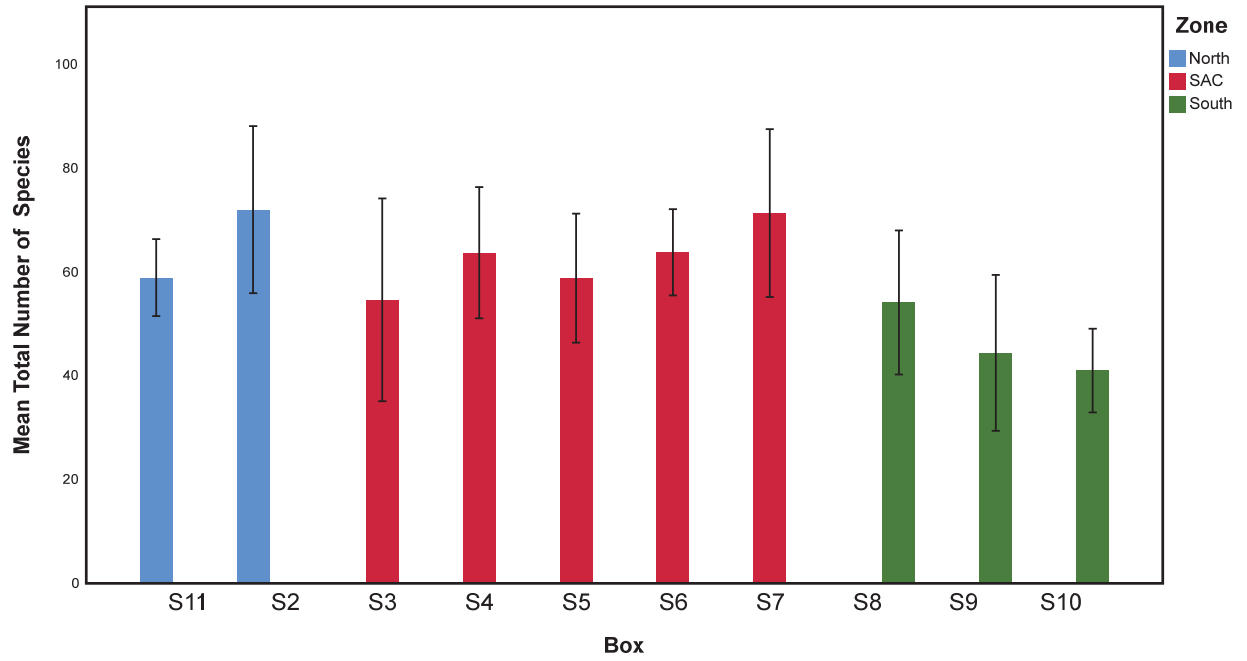


Figure 17. Average total number of species from grab samples at the Sound of Barra SAC survey boxes in 2017.

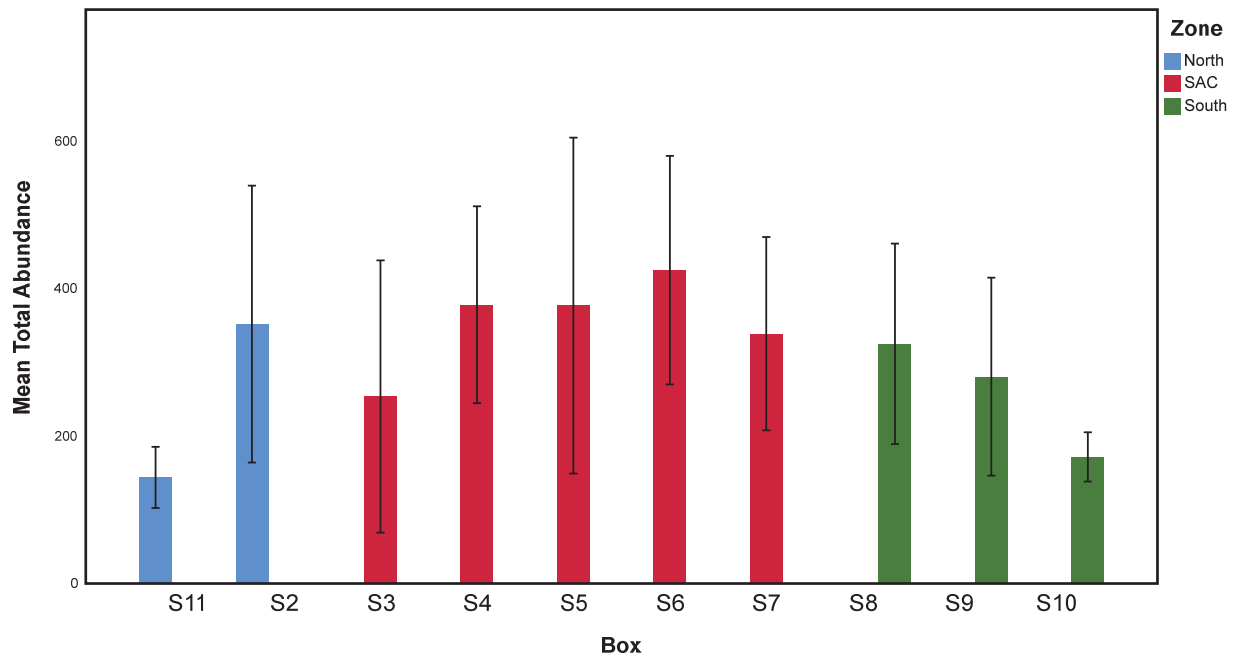


Figure 18. Average total infauna abundance at the Sound of Barra SAC survey boxes in 2017.

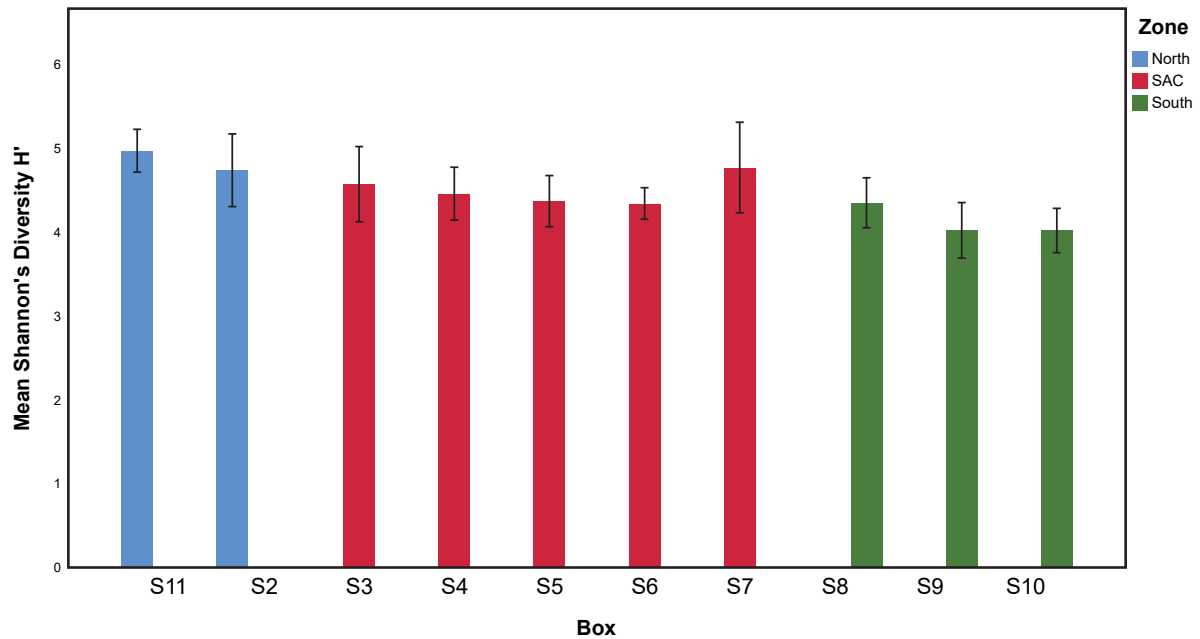


Figure 19. Average Shannon's diversity of grab samples collected at the Sound of Barra SAC survey boxes 2017.

6.3 Species composition (Sound of Barra SAC)

An extremely wide variety of polychaetes molluscs, echinoderms, and crustacean taxa were recorded from the grab samples in the Barra SAC survey with 606 taxa recorded in total (Annex 24). The numerically dominant taxa which account for 50% of the total abundance of animals recorded in the samples from the survey is provided in Table 18. The most dominant species included moderately high numbers of the bivalve *Goodallia triangularis* and nematode worms along with moderate abundance of *Asbjornsenia pygmaea*, *Polygordius*, *Gari tellinella*, *Timoclea ovata*, *Mediomastus fragilis*, *Modiolula phaseolina*, *Echinocyamus pusillus* and *Gouldia minima* which collectively accounted for 52% of the total abundance. *Goodallia triangularis*, *nematodes*, *Asbjornsenia pygmaea*, *Timoclea ovata* and *Echinocyamus pusillus* were the most ubiquitous taxa and were recorded at over 80% of survey stations. Other key taxa which accounted for a lower proportion of total abundance but were still present in moderate densities included *Pisone remota*, *Clausinella fasciata*, *Dosinia (juvenile)*, *Glyceria lapidum*, *Copepoda*, *Syllis parapari*, *Syllis pontxioi*, *Limatula subauriculata*, *Thracia villosiuscula*, *Grania*, *Socarnes erythrophthalmus*, *Edwardsia claparedii*, *Leptochiton cancellatus*, *Nemertea*, *Animoceradocus semiserratus* and *Sphaerosyllis bulbosa*. Further details on dominant taxa within and outside the SAC are provided in Table 18.

A number of species of conservation importance were also recorded including the Priority Marine Feature (PMF) species *Arctica islandica* (Ocean quahog) and juvenile/immature specimens of this taxa were recorded in low numbers at 13 stations. Other PMF species included Sandeels namely *Ammodytes marinus* (4 stations) and *Ammodytes tobianus* (3 stations). Juvenile specimens of the flame shell *Limaria hians* were also recorded at three stations but not in sufficient densities to form the biotope **SS.SMx.IMx.Lim** (*Limaria hians* beds in tide-swept sublittoral muddy mixed sediment) which is the component biotope of the Flame shell bed PMF. Live maerl was also widely recorded (see below) which in sufficient densities can constitute the maerl beds Priority Marine Feature. The status of maerl biotopes within the survey area is discussed further in section 7.

Table 18. Dominant taxa (by abundance) recorded during the 2017 Sound of Barra survey.

All Samples					
Taxa	Total Abundance	Mean Abundance per 0.1m ²	Cumulative % Abundance	No. of Samples	% of Samples
<i>Goodallia triangularis</i>	4096	41.37	13.10	79	80
Nematoda	4077	41.18	26.13	84	85
<i>Asbjornsenia pygmaea</i>	1608	16.24	31.28	82	83
<i>Polygordius</i>	1342	13.56	35.57	64	65
<i>Gari tellinella</i>	1300	13.13	39.72	74	75
<i>Timoclea ovata</i>	1211	12.23	43.60	88	89
<i>Mediomastus fragilis</i>	800	8.08	46.15	42	42
<i>Modiolula phaseolina</i>	642	6.48	48.21	67	68
<i>Echinocyamus pusillus</i>	601	6.07	50.13	80	81
<i>Gouldia minima</i>	584	5.90	52.00	63	64

North of SAC (Box S2 & S11)					
Taxa	Total Abundance	Mean Abundance per 0.1m ²	Cumulative % Abundance	No. of Samples	% of Samples
Nematoda	504	26.53	10.95	16	84
<i>Goodallia triangularis</i>	394	20.74	19.51	7	37
<i>Edwardsia claparedii</i>	208	10.95	24.03	12	63
<i>Asbjornsenia pygmaea</i>	198	10.42	28.33	7	37
<i>Mediomastus fragilis</i>	152	8.00	31.63	14	74
<i>Polygordius</i>	114	6.00	34.11	6	32
<i>Amphiura filiformis</i>	102	5.37	36.32	8	42
<i>Timoclea ovata</i>	99	5.21	38.47	12	63
<i>Modiolula phaseolina</i>	91	4.79	40.45	13	68
<i>Gari tellinella</i>	83	4.37	42.26	8	42

Within SAC (Box S3 to S7 & Z samples)					
Taxa	Total Abundance	Mean Abundance per 0.1m ²	Cumulative % Abundance	No. of Samples	% of Samples
Nematoda	2773	54.37	14.42	45	88
<i>Goodallia triangularis</i>	2669	52.33	28.30	43	84
<i>Polygordius</i>	906	17.76	33.02	39	76
<i>Gari tellinella</i>	774	15.18	37.04	43	84
<i>Asbjornsenia pygmaea</i>	705	13.82	40.71	46	90
<i>Timoclea ovata</i>	704	13.80	44.37	47	92
<i>Mediomastus fragilis</i>	581	11.39	47.39	21	41
<i>Modiolula phaseolina</i>	493	9.67	49.96	37	73
<i>Gouldia minima</i>	476	9.33	52.43	41	80
<i>Pisione remota</i>	391	7.67	54.47	35	69

South of SAC (Box S8 to S10)					
Taxa	Total Abundance	Mean Abundance per 0.1m ²	Cumulative % Abundance	No. of Samples	% of Samples
<i>Goodallia triangularis</i>	1033	35.62	13.88	29	100
Nematoda	800	27.59	24.62	23	79
<i>Asbjornsenia pygmaea</i>	705	24.31	34.09	29	100
<i>Gari tellinella</i>	443	15.28	40.05	23	79
<i>Timoclea ovata</i>	408	14.07	45.53	29	100
<i>Polygordius</i>	322	11.10	49.85	19	66
<i>Echinocyamus pusillus</i>	214	7.38	52.73	26	90
Copepoda	178	6.14	55.12	27	93
<i>Crenella decussata</i>	160	5.52	57.27	20	69
<i>Glycera lapidum</i>	142	4.90	59.18	23	79

A wide variety of qualitative taxa were also recorded during the survey (Table 19) including algae, Porifera, hydroids, bryozoans and ascidians. Maerl (including *Phymatolithon calcareum*) was the most commonly recorded qualitative taxa and live specimens of this coralline red algae were recorded in varying quantities at 66 of 99 survey stations (67%). Other widely distributed qualitative taxa included *Plocamium cartilagineum*, Porifera, *Crisia denticulata*, *Polysiphonia*, *Cradoscrupocellaria*, *Aetea anguina*, *Flustra foliacea* and *Securiflustra securifrons* which were recorded in 20% to 35% of the stations. Measurements of representative maerl fragments from each sample are provided in Appendix 25 and a summary of live maerl fragments and measurements is provided in Table 20. The distribution of maerl was heavily concentrated within the SAC; 88% of the samples from within the SAC included live maerl which was often present in moderately high densities (>50 live fragments). A much lower proportion of stations to the north had live maerl (32%) whilst just over 50% of stations to the south of the SAC included live maerl. Maximum length of the maerl fragments measured was similar across all stations (approx. 40-60 mm) except in the northern area where no maerl was found in box 11 and the max length was only 28mm in box 2.

Table 19. Representative qualitative taxa recorded at the Sound of Barra SAC survey areas.

All Samples			North of SAC (Box S2 & S11)		
Taxa	No. of Samples	% of Samples	Taxa	No. of Samples	% of Samples
Maerl indet (<i>Phymatolithon calcareum</i>)	66	66.67	<i>Cellaria</i>	8	42
<i>Plocamium cartilagineum</i>	35	35.35	<i>Eucratea loricata</i>	8	42
Porifera	33	33.33	<i>Plocamium cartilagineum</i>	7	37
<i>Crisia denticulata</i>	31	31.31	Anthoathecata	6	32
<i>Polysiphonia</i>	30	30.30	Porifera	6	32
<i>Cradoscrupocellaria</i>	26	26.26	Maerl indet (<i>Phymatolithon calcareum</i>)	6	32
<i>Aetea anguina</i>	23	23.23	<i>Aetea anguina</i>	5	26
<i>Flustra foliacea</i>	20	20.20	<i>Scrupocellaria</i>	4	21
<i>Securiflustra securifrons</i>	20	20.20	<i>Crisia eburnea</i>	4	21
<i>Scrupocellaria scruposa</i>	19	19.19	<i>Scrupocellaria scrupea</i>	3	16

Within SAC (Box S3 to S7 & Z samples)			South of SAC (Box S8 to S10)		
Taxa	No. of Samples	% of Samples	Taxa	No. of Samples	% of Samples
Maerl indet (<i>Phymatolithon calcareum</i>)	45	88	Maerl indet (<i>Phymatolithon calcareum</i>)	15	52
<i>Crisia denticulata</i>	23	45	<i>Plocamium cartilagineum</i>	8	28
Porifera	20	39	<i>Cradoscrupocellaria</i>	7	24
<i>Polysiphonia</i>	20	39	Porifera	7	24
<i>Plocamium cartilagineum</i>	20	39	<i>Polysiphonia</i>	7	24
<i>Cradoscrupocellaria</i>	17	33	<i>Scrupocellaria scruposa</i>	6	21
<i>Aetea anguina</i>	15	29	<i>Aetea sica</i>	5	17
<i>Flustra foliacea</i>	14	27	<i>Flustra foliacea</i>	5	17
<i>Securiflustra securifrons</i>	14	27	<i>Securiflustra securifrons</i>	5	17
<i>Escharoides mamillata</i>	11	22	<i>Crisia denticulata</i>	5	17

Table 20. Summary of live maerl measurements from the Sound of Barra SAC survey areas.

Zone	Box	Mean Length (mm)	Std. Deviation	Minimum Length (mm)	Maximum Length (mm)	No. of Fragments measured	No. of Samples	Samples with Maerl	% of Samples with Maerl	Samples with > 50 Fragments
North	11	-	-	-	-	0	10	0	0	0
	2	15.33	4.96	4	28	137	9	6	67	1
SAC	3	21.32	7.07	9	43	190	8	5	63	1
	4	23.67	7.58	7	53	451	10	10	100	9
	5	22.97	8.32	6	49	411	10	9	90	8
	6	20.81	7.54	4	47	444	9	9	100	8
	7	16.57	7.73	4	60	224	9	7	78	2
	Z	23.41	8.05	7	52	210	5	5	100	3
South	8	19.36	9.40	5	43	87	9	5	56	0
	9	22.19	9.22	8	50	85	10	4	40	0
	10	28.27	10.54	7	50	124	10	6	60	1

6.4 Multivariate analysis (Sound of Barra SAC)

The results of cluster analysis and nMDS on the Sound of Barra SAC samples are provided in Figures 20 and 21 and the spatial distribution of cluster groups is highlighted in Annex 27. Similarities between samples range from around 15% to 70% and the SIMPROF routine identified thirty-one groups of samples as highlighted the red clusters on the dendrogram, and labels in the nMDS plot in Figures 20 and 21. However, the SIMPROF results included a large number of groups with small numbers of stations or single stations and many of the SIMPROF groups are separated at quite high levels of similarity with rather similar species composition. To simplify interpretation a series of six main (upper level) groups have been identified (at approximately 28% similarity) as shown in Figure 20. The results of SIMPER analysis (which highlights characteristic taxa) on the main cluster groups derived from the routine are provided in Annex 26 along with environmental data from the stations within each group.

Group 1 (SIMPROF groups a and b) included three stations from box s7 characterised by gravelly sand, muddy gravelly sand or gravelly muddy sand with less than 10% mud and gravel content ranging from 23 to 41% in water depths from 25 to 32 m below CD. These stations were characterised by taxa including *Timoclea ovata*, *Modiolula phaseolina*, *Gouldia minima*, *Pholoe inornata*, *Myriochele danielsseni*, *Urothoe elegans*, *Diplocirrus glaucus*, *Dosinia lupinus* and *Echinocyamus pusillus*. Two of the stations (S7-G02 and S7-G04) also contained moderate quantities of live maerl.

Group 2 (SIMPROF groups c to y) was a large group of 65 stations with quite high similarities (average similarity of 46%) and contained numerous sub-groups (from the SIMPROF test). Stations within this group included those from within and outside the SAC and were primarily sandy gravels or gravelly sand in water depths ranging from 15.8 to 33.8 m below CD. Mud content at these stations was generally very low (predominantly <2%). Gravel content was often quite high but extremely variable and ranged from 1.54% to 82%. Typical taxa within this group included Nematoda, *Goodallia triangularis*, *Polygordius*, *Gari tellinella*, *Glycera lapidum*, *Timoclea ovata*, *Asbjornsenia pygmaea*, *Dosinia* (juvenile), *Pisonea remota*, *Echinocyamus pusillus*, *Syllis pontxioi* and *Clausinella fasciata*. The majority of samples within this group also included live maerl, often in quite high quantities.

Group 3 (SIMPROF group z) included nine stations from boxes S2, S3, S4, S5 and S8 clustered at an average similarity of 33.7% and comprised of gravelly sand or slightly gravelly sand with low to moderate gravel content (<20%) and often small quantities of mud (<7%). Water depths ranged from 24.4 m to 42 m below CD. These stations were dominated by *Mediomastus fragilis* along with *Timoclea ovata*, *Urothoe elegans*, *Echinocyamus pusillus*, *Glycera lapidum*, *Asbjornsenia pygmaea*, *Gouldia minima*, Nematoda, Copepoda and *Aponuphis bilineata*. A few of the stations in this group also included moderate to high quantities of live maerl. Group 4 (SIMPROF groups aa to ac) was associated with group 3 at just under 30% similarity and included 10 stations primarily from outside the SAC from boxes S3, S8, S9 and S10. These stations had an average similarity of 39.92% but also included several rather similar sub-groups as identified by the SIMPROF routine. Sediments at the stations in group 3 were primarily slightly gravelly sand or gravelly sand with low mud content (<2%) and relatively low quantities of gravel (<10%). Typical taxa at the stations in group 3 included *Echinocyamus pusillus*, *Asbjornsenia pygmaea*, *Goodallia triangularis*, *Timoclea ovata*, *Crenella decussata*, *Cochlodesma praetenu*, Copepoda and *Dosinia lupinus* with no live maerl recorded.

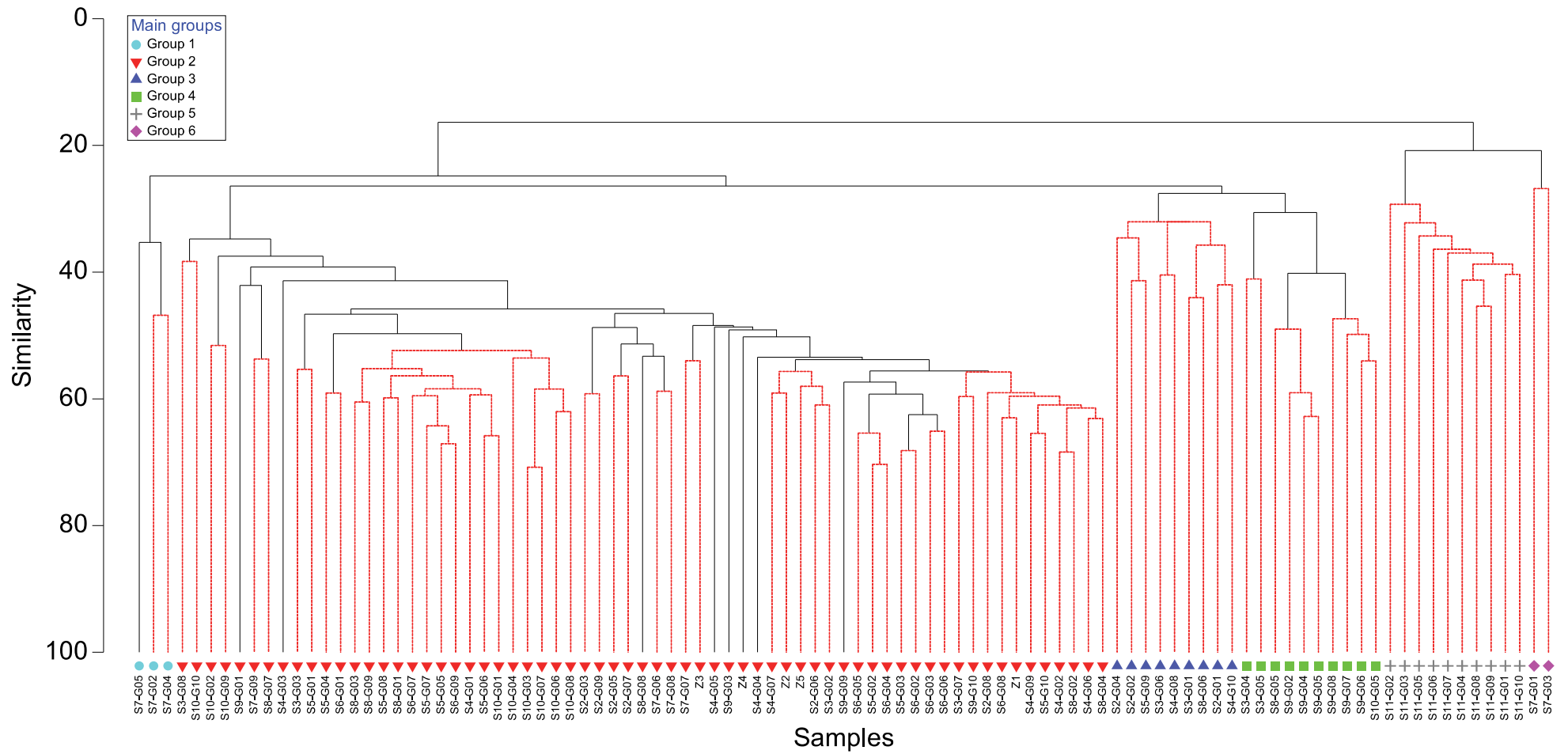


Figure 20. Results of cluster analysis for grab samples taken from the Sound of Barra.

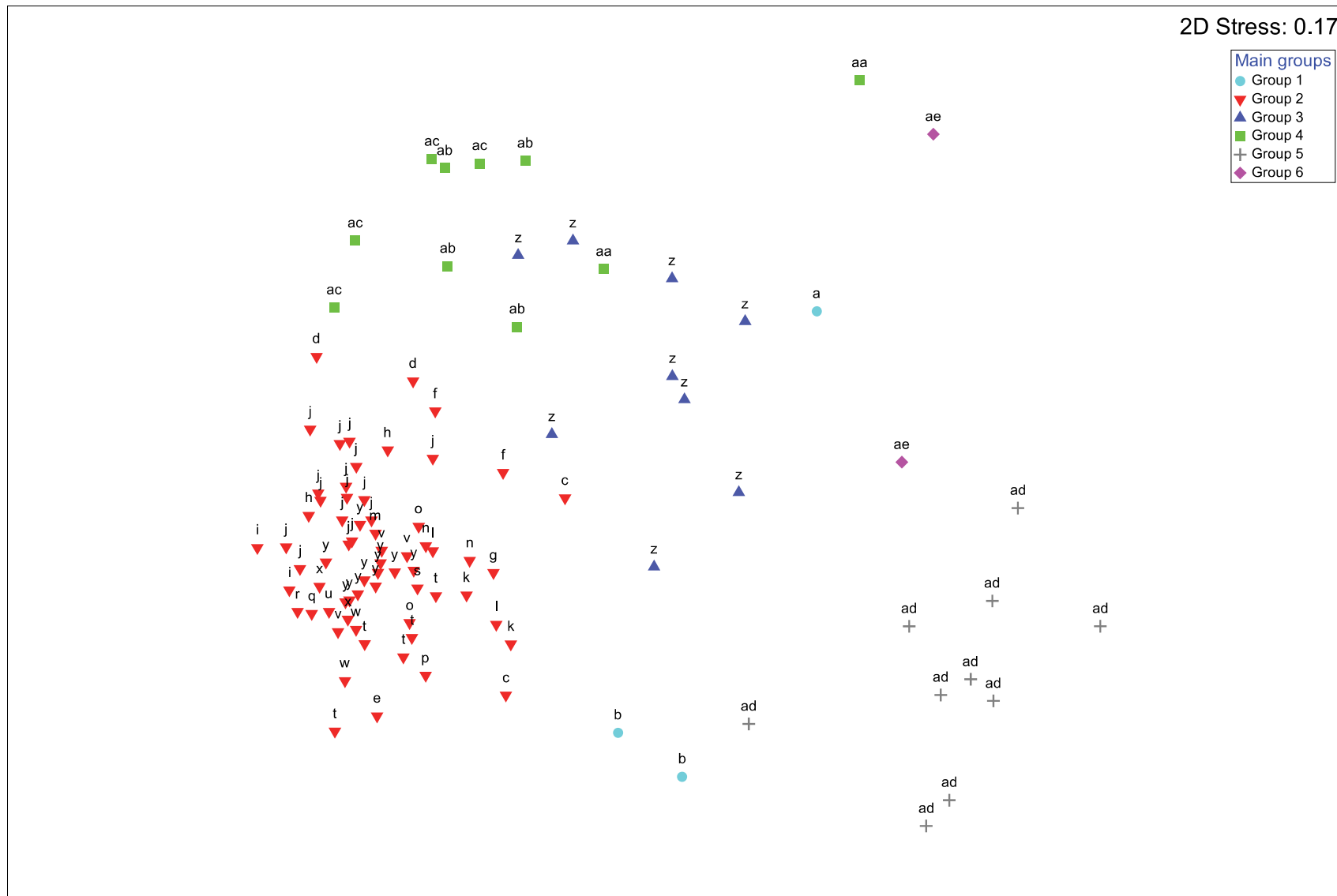


Figure 21. Results of nMDS for the Sound of Barra SAC survey stations (labels are SIMPROF groupings).

Group 5 (SIMPROF group ad) included all the stations from box 11 (10 stations) to the north and outside the SAC with an average similarity of 34.78% which were characterised by slightly gravelly muddy sand or gravelly muddy sand. These stations were located in somewhat deeper water with depths ranging from 34 to 39.5 m below CD with sediment characterised by moderately high mud content ranging from 14% to 26% and relatively low but variable gravel content (0.19% to 12.72%). Typical taxa at stations within this group included *Edwardsia claparedii*, Copepoda, *Antalis entalis*, Ophiuroidea (juvenile), *Amphiura filiformis*, *Chaetozone zetlandica*, *Galathowenia oculata*, *Polycirrus*, *Owenia fusiformis*, *Phoronis* and *Magelona alleni* with no live maerl recorded.

Group 6 (SIMPROF group ae) included two stations from box s7 which were associated with group 5 at around 20% similarity (similarity between stations was 26.5%). These stations were located in moderate water depths (26.4m to 27.5m below CD) with sediments characterised by slightly gravelly sand with <5% gravel and mud content. Typical taxa at these stations included *Turritella communis*, *Urothoe elegans*, *Diplocirrus glaucus*, *Hydroides norvegica*, *Magelona alleni*, *Prionospio fallax*, *Ampharete lindstroemi*, *Echinocyamus pusillus*, *Asbjornsenia pygmaea*, *Lucinoma borealis* and *Timoclea ovata*.

6.5 Biotope composition (Sound of Barra SAC)

Samples in group one and group two (the largest group) included the majority of samples containing live maerl, and as such, were primarily classified as **SS.SMp.Mrl** (Maerl beds) albeit with rather low maerl densities in some cases. The majority of these stations were characterised by maerl gravel habitat predominantly from within the SAC. Samples were classified as maerl biotopes (**SS.SMp.Mrl**) if high quantities of live maerl were recorded and flagged as 'uncertain' if lower amounts of live maerl were recorded. Samples with only occasional live maerl fragments or with maerl absent were classified according to their infaunal taxa, although at a broader level the species assemblage at stations lacking live maerl tended to be rather similar to those at which live maerl was present.

It should be noted that maerl biotope classification based on grab data is problematic particularly in areas where maerl density is sparse or patchy and video data would be required to confirm designations of **SS.SMp.Mrl**. From an infaunal perspective, the stations in group two appeared to comprise of a quite variable maerl habitat, characterised by maerl influenced variants of sublittoral coarse sediment biotopes (**SS.SCS**), notably somewhat deeper variants of **SS.SCS.ICS.MoeVen** (*Moerella* spp. with venerid bivalves in infralittoral gravelly sand) due to the abundance of bivalves such as *Asbjornsenia pygmaea* (previously *Moerella pygmaea*) along with other venerid bivalves such as *Goodallia triangularis*. The majority of stations within group two which contained no live maerl were assigned to the biotope **SS.SCS.ICS.MoeVen**, although stations within group two also showed some resemblance to other coarse sediment biotopes such as **SS.SCS.CCS.MedLumVen** (*Mediomastus fragilis*, *Lumbrineris* spp. and venerid bivalves in circalittoral coarse sand or gravel) or **SS.SCS.CCS.Blan** (*Branchiostoma lanceolatum* in circalittoral coarse sand with shell gravel).

Group three included a series of stations within the SAC as well as some from box S2 to the north and were characterised by species such as *Mediomastus fragilis*. These stations have therefore been assigned as uncertain variants of the biotope **SS.SCS.CCS.MedLumVen** (*Mediomastus fragilis*, *Lumbrineris* spp. and venerid bivalves in circalittoral coarse sand or gravel) albeit lacking appreciable densities of *Lumbrineris* spp. A number of stations within this group included moderate quantities of live maerl so have been classified as uncertain examples of **SS.SMp.Mrl**.

Group four included a series of stations predominantly to the south of the SAC (boxes S9 or S10) and a few stations within the SAC at box S3 which contained no live maerl and these

stations have been classified as uncertain variants of **SS.SCS.ICS.MoeVen** (*Moerella* spp. with venerid bivalves in infralittoral gravelly sand).

Group five included all the stations from box S11 (to the north of the SAC), which was characterised by a different sediment type (slightly gravelly muddy sand) in deeper water. This group often included moderate numbers of *Amphiura filiformis* and Oweniidae polychaetes and these stations have therefore tentatively been classified as uncertain examples of the biotope **SS.SSa.OSa.OfusAfil** (*Owenia fusiformis* and *Amphiura filiformis* in offshore circalittoral sand or muddy sand). The two outlying stations from box S7 in group six did not correlate particularly well to any biotope and have been classified as **SS.SCS.CCS** (Circalittoral coarse sediment). Figures 22 to 26 show the spatial distribution of biotopes whilst Annex 28 lists the stations within the main (upper level) groups along with SIMPROF group labels, sediment type, biotope code and the top 10 most dominant taxa.

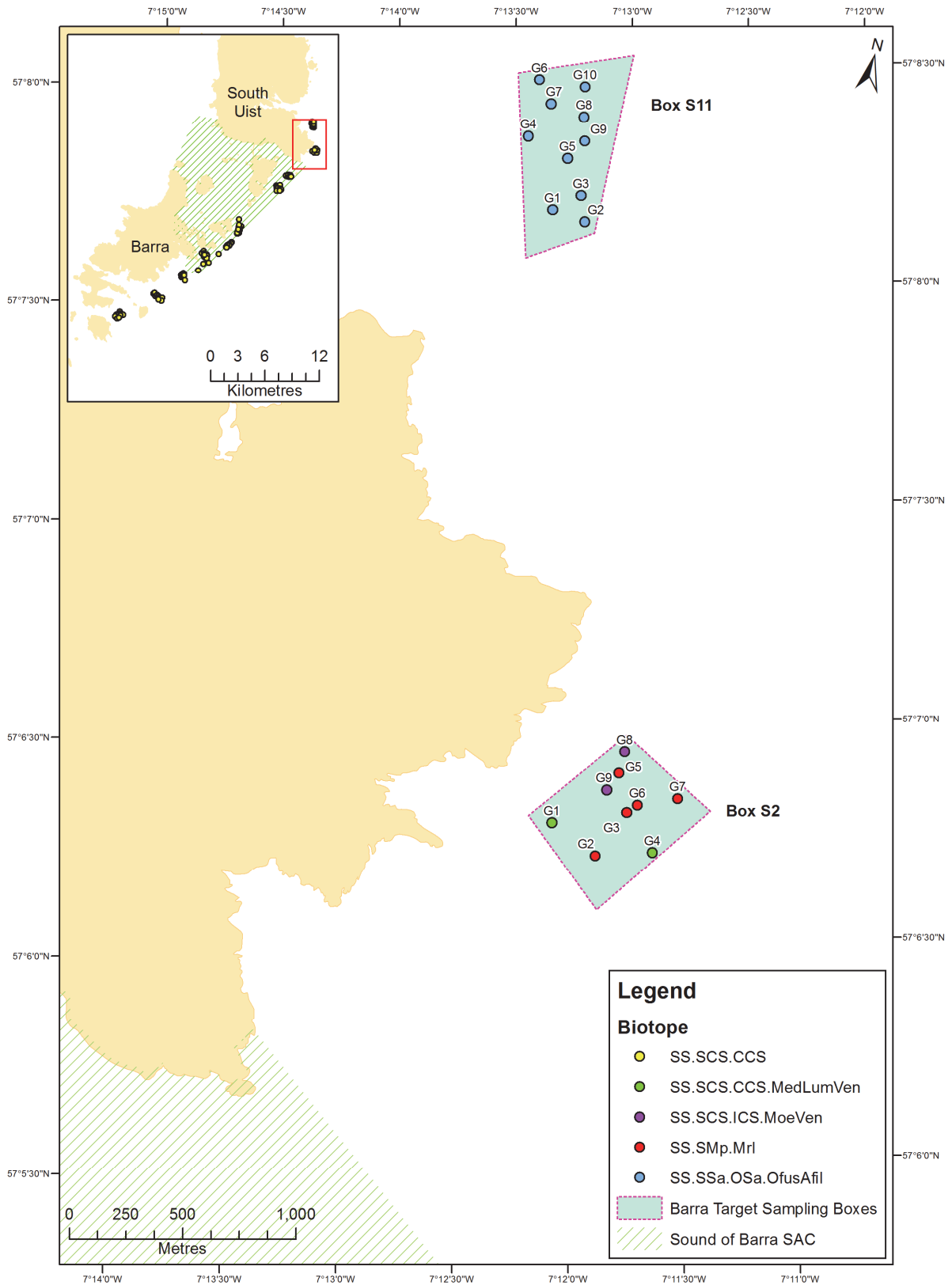


Figure 22. Distribution of biotopes at the Sound of Barra SAC (box S11 and S2) from the 2017 grab sample survey. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

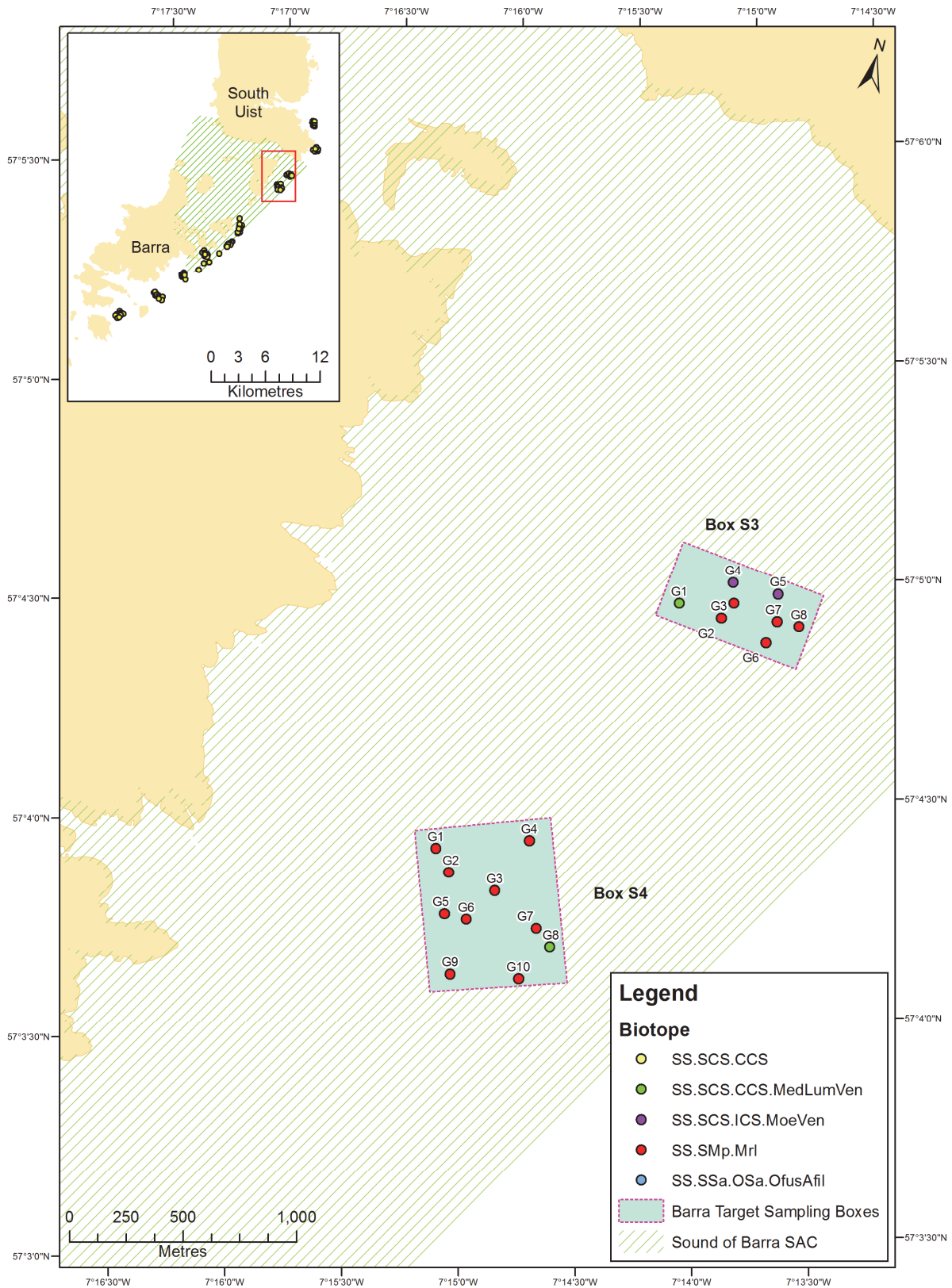


Figure 23. Distribution of biotopes at the Sound of Barra SAC (box S3 and S4) from the 2017 grab sample survey. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

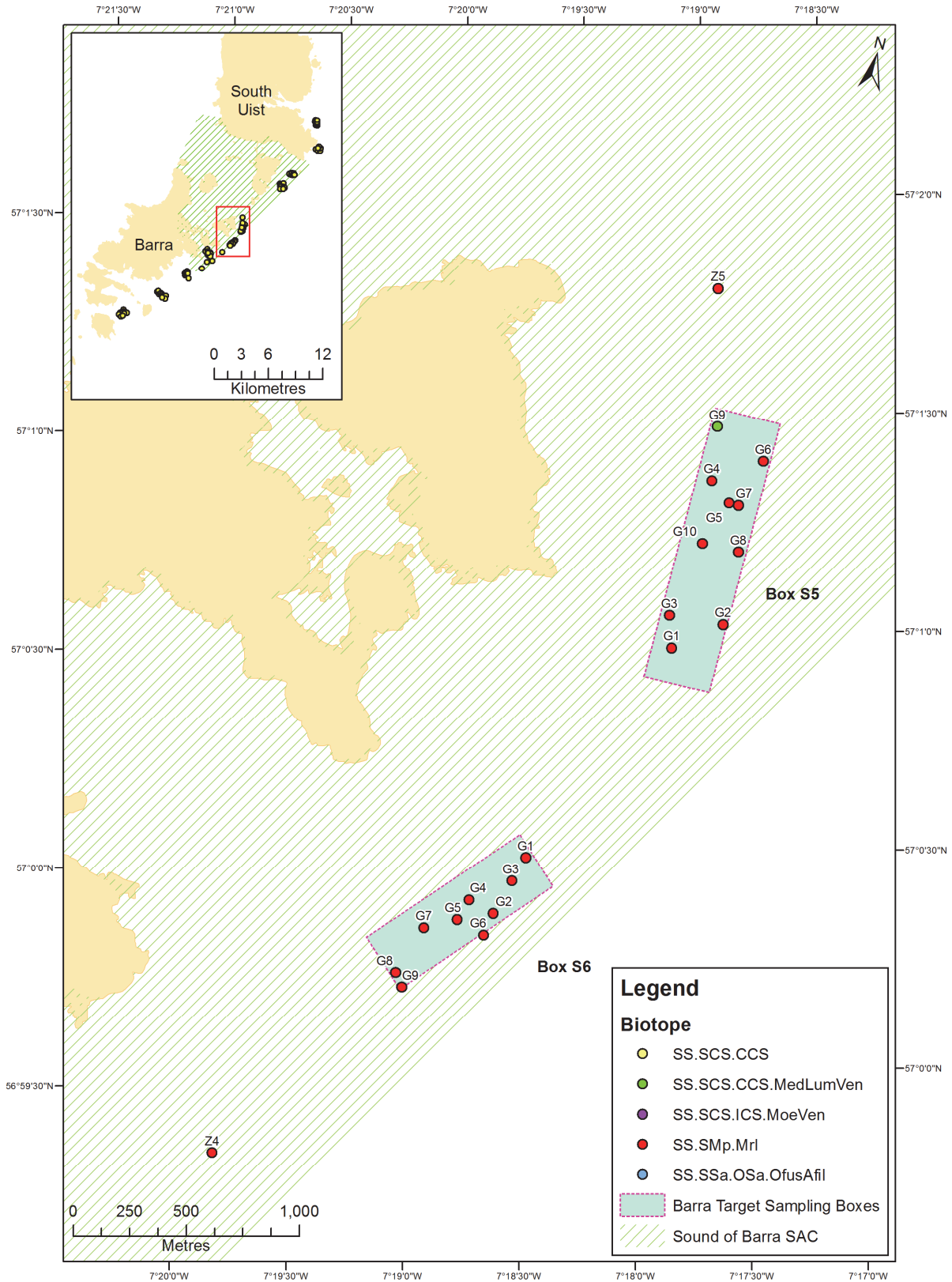


Figure 24. Distribution of biotopes at the Sound of Barra SAC (box S5 and S6) from the 2017 grab sample survey. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

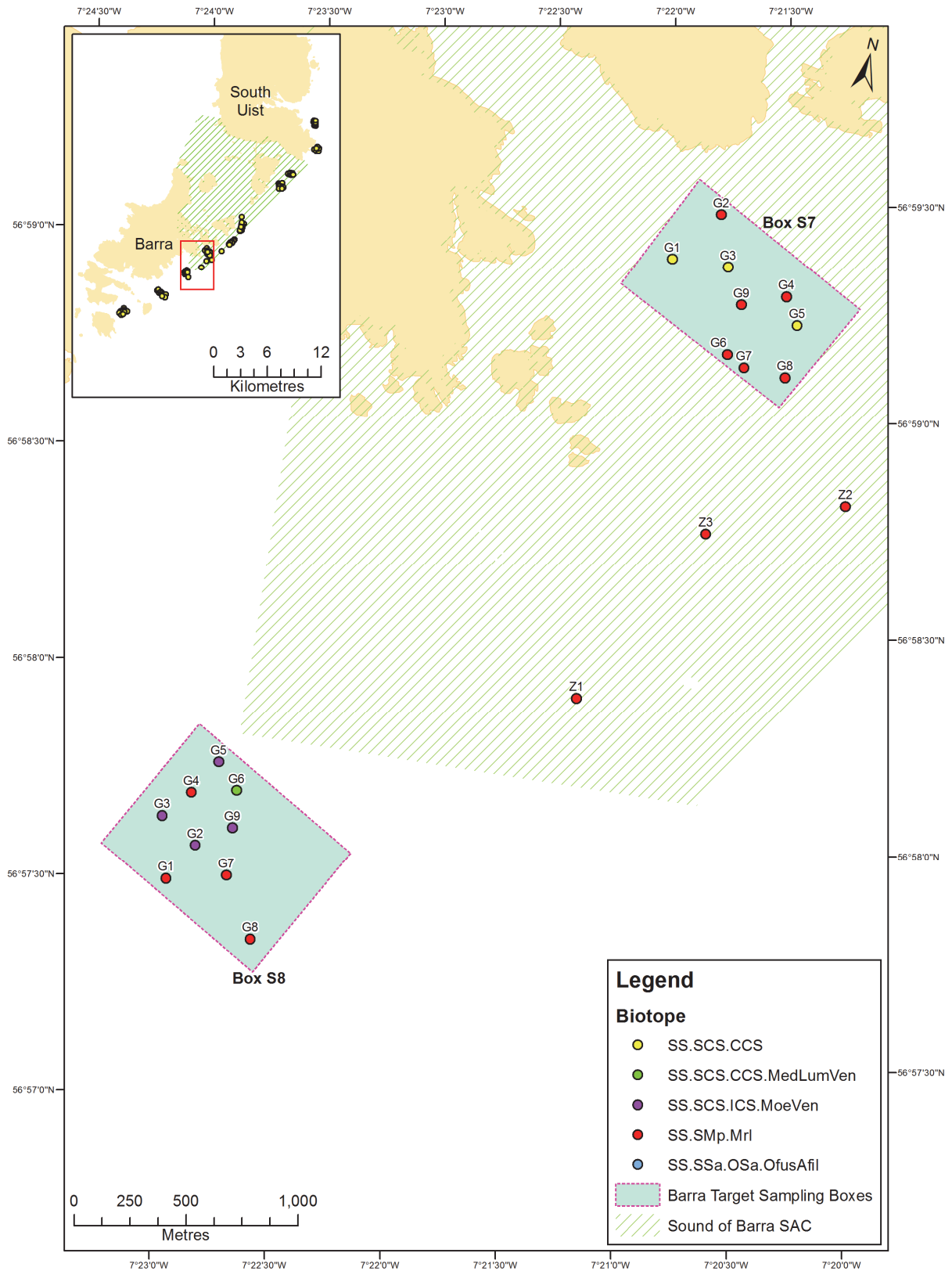


Figure 25. Distribution of biotopes at the Sound of Barra SAC (box S7 and S8) from the 2017 grab sample survey. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2010. All rights reserved. Ordnance Survey Licence number 100017908.

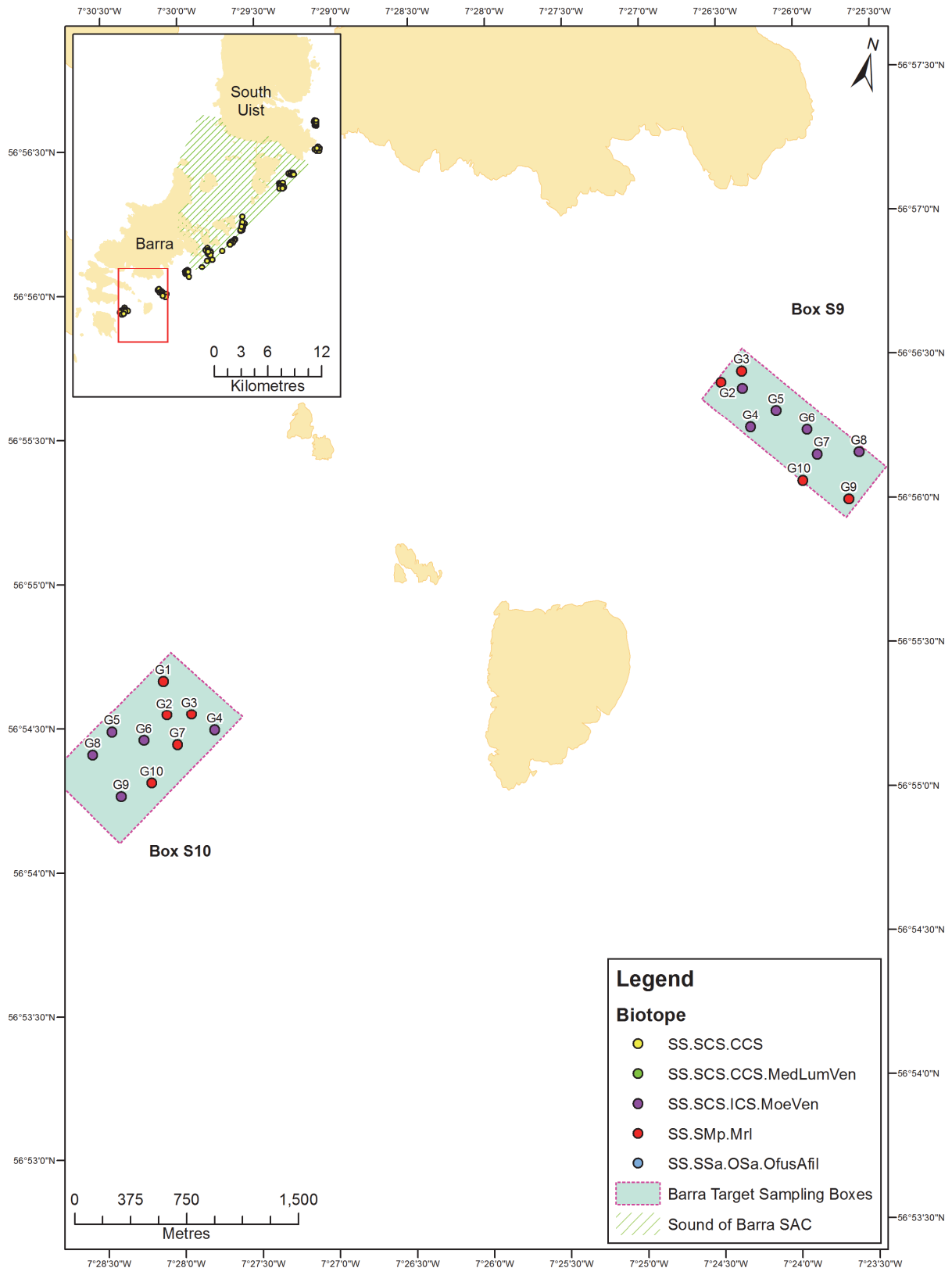


Figure 26. Distribution of biotopes at the Sound of Barra SAC (box S9 and S10) from the 2017 grab sample survey. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2019. All rights reserved. Ordnance Survey Licence number 100017908.

7. DISCUSSION

This section provides a summary of the findings of this report in respect to the species and habitats of conservation importance encountered during the surveys. The definition of particular habitats of interest, including flame shell beds and maerl beds is also included. Where grab samples were taken to compliment video sampling to determine the presence of protected species and/or habitat, the conclusion is outlined in this section also.

Loch Carron MPA

Four stations in Loch Carron were characterised by shallow mixed sediments with moderate to high densities of the flame shell *Limaria hians* along with a fairly diverse assemblage of polychaetes (notably *Jasmineira elegans*), bivalves and a variety of encrusting taxa such as barnacles, hydroids and bryozoans. These stations were assigned the biotope **SS.SMx.IMx.Lim** (*Limaria hians* beds in tide-swept sublittoral muddy mixed sediment) which is the component biotope of the flame shell bed PMF and protected feature of this MPA. Flame shell beds are a feature of conservation interest within Loch Carron, some of which have been subject to disturbance from dredging activities in the past (Moore *et al.*, 2018). The locations of the stations classified as **SS.SMx.IMx.Lim** in the current survey around Sgeir Bhuidhe correspond to previous records of flame shell beds in this area. Overall, the densities of *L. hians* in the **SS.SMx.IMx.Lim** samples assessed in the current study were rather variable (ranging from 10 to 260 per m²). This finding is broadly consistent with previous assessments of *L. hians* densities in Loch Carron, which indicated that the beds were often rather patchy with moderate densities, compared to beds from areas such as Otter Spit in Loch Fyne where higher densities have been recorded (Allen, 2017).

The sediment types and biotopes described above correspond to those reported from video surveys undertaken in the vicinity of Sgeir Bhuidhe in Loch Carron in 2017 (Moore *et al.*, 2018), where examples of **SS.SMx.IMx.Lim**, poorly defined **SS.SMx.CMx** and **SS.SMx.CMx.CIloMx** were recorded. In this respect, the grab samples support the findings of the video analyses which were collected in parallel. The quite high diversity recorded during the current survey is typical for flame shell bed habitats and the poorly defined **SS.SMx.IMx** or **SS.SMx.CMx** communities outlined above are typical for areas of sublittoral mixed or sandy sediment adjacent to (or interspersed with) flame shell beds. The sediment stability and infaunal assemblage of such habitats may be influenced by adjacent areas of **SS.SMx.IMx.Lim**, particularly if they are interspersed with patches of *L. hians* byssal turf, which often leads to the development of infaunal communities which are intermediate between several biotopes.

The variable *L. hians* densities and associated infaunal assemblages may reflect the fact that some samples were collected near the periphery of the Sgeir Bhuidhe flame shell beds, or highlights patchiness in the distribution of *Limaria* within existing beds. As mentioned above, this area of Loch Carron has been subject to disturbance from dredging which has led to damage to a number of flame shell beds, particularly in the vicinity of the Sgeir Bhuidhe East bed (Moore *et al.*, 2018); however, further information is required to fully assess the long-term status of such habitats.

It should be noted that in general, the infaunal communities recorded during this survey were often relatively diverse and no specific indicators of severe disturbance were evident from analysis. The measurements of *L. hians* collected during the survey indicated that shell length varied from 2.5 mm to 23 mm with a mode covering the sizes 5 to 10 mm, which may indicate successful recruitment from the previous year. Based on studies of *Limaria* population structure and growth in Loch Creran (Trigg, 2009) the size classes recorded would correlate to the presence of age groups from year 1 to year 3. Occasional damaged specimens of *L. hians* shells were recorded during sample processing but numbers were too

low to draw any conclusions in relation to seabed disturbance. Further data are required to fully assess spatial and temporal trends of this species and gain a greater understanding of recovery/recolonisation processes following disturbance. This would be useful from a local perspective but also to inform policy and management with regard to physical disturbance from dredging activities elsewhere.

Wester Ross MPA (Loch Broom)

The biotope **SMx.IMx.Lim** was assigned to three out of seven samples in Loch Broom, Wester Ross, which is the component biotope of the flame shell bed PMF (also a protected feature of this MPA). The remaining samples were assigned to **SS.SMx.CMx.OphMx** and such habitats are commonly associated with flame shell bed communities as previously recorded in Loch Broom for example (Holt, 1991, Moore *et al.*, 2011). The densities of *L. hians* in the current survey were variable but often quite low with two stations containing less than 10 per 0.1m² (<100 per m²), although one station (G1) exhibited much higher densities of 32 per 0.1m² (320 per m²). Previously reported densities of *L. hians* in Loch Broom were relatively low (<100 per m²) compared to other sites such as those in Loch Carron or Loch Fyne (Moore *et al.*, 2011, Allen, 2017, Moore *et al.*, 2018) where densities typically range from 200 to 500 per m².

The current dataset indicates that **SS.SMx.IMx.Lim** is restricted to the eastern end of the survey area but the rather limited number of sampling stations means that it is difficult to fully determine the wider spatial distribution of *Limaria* beds in this area. The stations classified as *Limaria* biotopes all fall within the previously recorded boundary for flame shell beds in Loch Broom. The remaining stations lie outside the flame shell bed boundary and those located close to the periphery of the bed exhibit more variable communities, which presumably reflects spatial heterogeneity where adjacent habitats are interspersed with flame shell beds. The data presented here adds to previous information from this area to increase confidence in the precise location of the flame shell bed.

Moray Firth SAC

The communities recorded in the Moray Firth and presented in this report are considered to be more representative of muddier habitats than the sandbank communities recorded further offshore in Moray Firth. The Moray Firth marine SAC has been designated for the Annex I habitat 'Sandbanks which are slightly covered by sea water all the time'. Whilst it is uncertain if the rather intermediate muddy sand/sandy mud habitats recorded can be considered as representative of this Annex I habitat, they are probably typical for this region of the Moray Firth. It is also possible that disruption to surface sediments in the vicinity of the anchorage may have modified the benthic communities to some extent. However, it is not possible to determine such impacts from the data collected as part of this project. Additional benthic data from grab and/or video survey would be required, including reference samples, to put the benthic habitats around the anchorage into a wider context.

Sound of Barra SAC

Similar spatial patterns in biological parameters from grab samples were evident in 2016 (Franco *et al.*, 2017) and 2017 (current survey) in the Sound of Barra. Both surveys indicated a series of species rich and diverse infaunal communities with broadly similar ranges of values for key parameters. A higher total number of species was recorded in 2016 (particularly to the north of the SAC and to a lesser extent within the SAC) whilst higher abundances were recorded in all areas in 2017. The majority of biological parameters exhibited a quite level of high variation both within and between survey boxes which is typical for such habitats, suggesting any differences between years may be due to natural variation.

An extremely wide variety of polychaetes molluscs, echinoderms, and crustacean taxa were recorded from the grab samples in the Barra SAC survey with 606 taxa recorded in total. Whilst bivalves tended to be more numerous in 2017, a wider range of qualitative taxa (encrusting/colonial or algal taxa) were recorded in 2016. Given the high numbers of taxa recorded (606 taxa in 2017 and 588 taxa in 2016) of which the majority were recorded in extremely low numbers, there is likely to be considerable variation in species composition between and within years across the survey area. Such variability is common in dynamic coastal or offshore environments and the high numbers of bivalves recorded in 2017, particularly immature or juvenile specimens, presumably reflects variation in recruitment which is also likely to vary widely from year to year.

A number of species of conservation importance were recorded during the survey including specimens of live maerl, notably *Phymatolithon calcareum* which was widely recorded (particularly within the SAC as discussed below). Maerl was found in sufficient densities to ascribe maerl bed biotopes to a sixty one samples. Maerl beds are a Priority Marine Feature (PMF) and a subfeature of the subtidal sandbanks Annex I habitat of the SAC. Other species of conservation importance included the PMF species *Arctica islandica* (ocean quahog) and low numbers of juvenile or immature examples of this species were recorded in at 13 stations. Other PMF species included sandeels namely *Ammodytes marinus* (4 stations) and *Ammodytes tobianus* (3 stations). Juvenile specimens of the flame shell *L. hians* were also recorded in low numbers at three stations but not in sufficient densities to be considered as examples of the flame shell bed PMF.

In general terms the infaunal assemblages and corresponding biotopes recorded in 2017 were similar to those recorded in 2016, which were predominantly assigned to sublittoral coarse sediment (**SS.SCS**) biotopes. However, in 2016 there was some uncertainty with regard to biotope assignments and many of the stations were assigned two biotope codes where communities were considered intermediate forms including combinations of the biotopes **SS.SCS.CCS.Blan**, **SS.SCS.CCS.MedLumVen** and **SS.SCS.ICS.MoeVen**. The majority of the stations in 2016, and particularly those within the SAC, were assigned as an association of **SS.SCS.CCS.Blan/SS.SCS.CCS.MedLumVen**, whereas in 2017 many of the stations within the SAC were classified as **SS.SMp.Mrl** (albeit with rather variable or low maerl density). This appears to reflect a difference in interpretation of the biotope classification with regard to maerl density rather than a true change in habitat because in general terms the benthic communities within the SAC in 2016 and 2017 were relatively similar. The infaunal communities in 2017 were in some cases considered maerl influenced variations of a number of **SS.SCS** biotopes, notably **SS.SCS.ICS.MoeVen** (due to the high numbers of *Asbjornsenia pygmaea*) but also exhibited strong correlations to other coarse sediment biotopes frequently recorded in the 2016 Barra survey including **SS.SCS.CCS.Blan** and **SS.SCS.CCS.MedLumVen**.

Overall the samples collected within the Sound of Barra SAC are considered to include good examples of coarse sediment sub-types of the subtidal sandbank Annex I feature. In addition to maerl beds, the area includes examples of biotopes such as **SS.SCS.ICS.MoeVen** (a component biotope of the Priority Marine Feature 'Tide-swept coarse sands with burrowing bivalves'). Other infralittoral or circalittoral coarse sediment biotopes which are representative of subtidal sandbank habitats were also recorded. The structural diversity of the sedimentary regime in this area (which is likely to reflect the widespread presence of live and dead maerl within the SAC) corresponds to a relatively rich and diverse infaunal assemblage. Such communities often exhibit increased densities or species richness of interstitial fauna (notably amphipods and bivalves) compared with similar habitats in which maerl is absent.

In the current study, whilst it is acknowledged that maerl density was often somewhat low, it was considered that there was sufficient live maerl to classify such stations as **SS.SMp.Mrl**.

Biotope determinations in relation to maerl beds were assessed on a case by case basis but generally reflected differences in quantities of live maerl recorded in relation to the infaunal communities present. Samples with high quantities of live maerl (30 to 50 fragments) were classified as maerl bed biotopes, whilst samples with less than 10 fragments (classed as low quantities) were usually assigned to other infaunal biotopes. Samples with 10 to 30 fragments of live maerl (moderate quantities) were typically flagged as uncertain maerl bed biotopes.

Previous authors have employed a threshold of 5% coverage of live maerl to qualify a sample as a maerl bed, while also taking into account the importance of dead maerl material that often supports the diverse communities (Moore 2014). Such criteria are based on video analyses and whilst it is difficult to apply the threshold in relation to grab samples, the approach used here would broadly correspond to the above interpretation of the biotope classification in respect to a three-dimensional grab sample containing live and dead maerl. The results presented here are consistent with previous surveys in the vicinity of Barra, which have recorded similar habitats this area including **SS.SMp.Mrl**, although the number of historic sampling stations located in the vicinity of the 2017 survey boxes was rather low (Harris *et al.*, 2007).

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ANNEX 1: SAMPLING DETAILS FROM THE 2017 SURVEYS

Location	Sample	Date	Time UTC	Latitude	Longitude	Depth m BCD
Loch Carron	LC_G1	04/05/2017	11:04:39	57.362268	-5.6503880	17.6
Loch Carron	LC_G2	04/05/2017	11:16:40	57.3628220	-5.6501100	17.5
Loch Carron	LC_G3	04/05/2017	11:19:32	57.3624150	-5.6500870	17.5
Loch Carron	LC_G4	04/05/2017	11:25:55	57.3626220	-5.6510500	18.4
Loch Carron	LC_G5	04/05/2017	11:34:16	57.3642120	-5.6528730	24.4
Loch Carron	LC_G6	04/05/2017	11:39:38	57.3636580	-5.6534050	22.3
Loch Carron	LC_G7	04/05/2017	11:49:35	57.3596700	-5.6510650	22.2
Loch Carron	LC_G8	04/05/2017	11:53:08	57.3599600	-5.6512580	18.2
Loch Carron	LC_G9	04/05/2017	14:28:23	57.3522700	-5.6587030	18.4
Loch Carron	LC_G10	04/05/2017	14:32:40	57.3523730	-5.6579430	17.4
Loch Carron	LC_G11	04/05/2017	14:36:14	57.3528070	-5.6581120	14.4
Loch Carron	LC_G12	04/05/2017	14:44:02	57.3502630	-5.6574450	20.4
Loch Carron	LC_G13	04/05/2017	14:46:28	57.3502220	-5.6579850	24.4
Loch Carron	LC_G14	04/05/2017	14:51:26	57.3507730	-5.6574080	21.4
Loch Carron	LC_G15	04/05/2017	14:54:46	57.3510920	-5.6576220	22.4
Loch Carron	LC_G16	04/05/2017	14:58:17	57.3516220	-5.6580180	22.4
Wester Ross (Loch Broom)	WR_G1	14/05/2017	16:04:18	57.876393	-7.121482	23.5
Wester Ross (Loch Broom)	WR_G2	14/05/2017	16:08:23	57.875893	-7.124050	20.4
Wester Ross (Loch Broom)	WR_G3	14/05/2017	16:12:04	57.874582	-7.124218	33.4
Wester Ross (Loch Broom)	WR_G4	14/05/2017	16:15:52	57.875072	-7.124868	17.4
Wester Ross (Loch Broom)	WR_G5	14/05/2017	16:19:59	57.876327	-7.125342	18.4
Wester Ross (Loch Broom)	WR_G6	14/05/2017	16:25:53	57.877178	-7.128885	32.3
Wester Ross (Loch Broom)	WR_G7	14/05/2017	16:31:11	57.877368	-7.130462	29.2
Moray Firth	MF_G01	12/07/2013	12:50:57	57.64957833	-3.902978333	25.40
Moray Firth	MF_G02	12/07/2013	12:46:09	57.651485	-3.900905	26.40
Moray Firth	MF_G03	12/07/2013	12:58:06	57.65069167	-3.89238	27.30
Moray Firth	MF_G04	12/07/2013	13:08:28	57.65080167	-3.907563333	23.30
Moray Firth	MF_G05	12/07/2013	13:14:26	57.64731	-3.906666667	24.20
Moray Firth	MF_G06	12/07/2013	13:20:07	57.64772667	-3.899223333	26.20
Moray Firth	MF_G07	12/07/2013	13:26:56	57.64391833	-3.902288333	26.20
Moray Firth	MF_G08	12/07/2013	13:36:10	57.64896333	-3.915156667	23.20
Sound of Barra	S2_G1	12/05/2017	14:01:45	57.108815	-7.210513	25.1
Sound of Barra	S2_G2	12/05/2017	14:06:25	57.107948	-7.206810	29.1
Sound of Barra	S2_G3	12/05/2017	14:11:31	57.109887	-7.205317	29.1
Sound of Barra	S2_G4	12/05/2017	14:16:12	57.108592	-7.202782	42
Sound of Barra	S2_G5	12/05/2017	14:21:39	57.111322	-7.206553	27
Sound of Barra	S2_G6	12/05/2017	14:25:45	57.110265	-7.204673	29.9
Sound of Barra	S2_G7	12/05/2017	14:36:54	57.110880	-7.201900	33.8
Sound of Barra	S2_G8	12/05/2017	14:42:22	57.112173	-7.206478	22.8
Sound of Barra	S2_G9	12/05/2017	14:46:49	57.110567	-7.207137	26.7
Sound of Barra	S3_G1	07/05/2017	13:22:54	57.079702	-7.247370	26.7
Sound of Barra	S3_G2	07/05/2017	13:32:15	57.079522	-7.244120	27.6
Sound of Barra	S3_G3	07/05/2017	13:37:58	57.080213	-7.243455	26.5
Sound of Barra	S3_G4	07/05/2017	13:41:41	57.080993	-7.243885	26.5
Sound of Barra	S3_G5	07/05/2017	13:46:45	57.080968	-7.240450	26.4
Sound of Barra	S3_G6	07/05/2017	13:50:47	57.079010	-7.240507	24.4
Sound of Barra	S3_G7	07/05/2017	13:55:46	57.079898	-7.240053	26.3
Sound of Barra	S3_G8	07/05/2017	13:59:28	57.079900	-7.238405	22.3
Sound of Barra	S4_G1	07/05/2017	12:13:54	57.068167	-7.260543	25.5
Sound of Barra	S4_G2	07/05/2017	12:18:31	57.067367	-7.259232	25.4

Location	Sample	Date	Time UTC	Latitude	Longitude	Depth m BCD
Sound of Barra	S4_G3	07/05/2017	12:22:22	57.067098	-7.255633	25.4
Sound of Barra	S4_G4	07/05/2017	12:30:00	57.069315	-7.254022	26.3
Sound of Barra	S4_G5	07/05/2017	12:36:42	57.065753	-7.258820	28.2
Sound of Barra	S4_G6	07/05/2017	12:41:46	57.065737	-7.257160	26.2
Sound of Barra	S4_G7	07/05/2017	12:48:06	57.066032	-7.252018	28.1
Sound of Barra	S4_G8	07/05/2017	12:52:29	57.065447	-7.250733	26.1
Sound of Barra	S4_G9	07/05/2017	12:58:37	57.063520	-7.257382	24.9
Sound of Barra	S4_G10	07/05/2017	13:05:41	57.063968	-7.252408	26.8
Sound of Barra	S5_G1	05/05/2017	16:15:44	57.013217	-7.309733	29
Sound of Barra	S5_G2	05/05/2017	16:23:48	57.014583	-7.306447	26
Sound of Barra	S5_G3	05/05/2017	16:32:16	57.014427	-7.310440	29
Sound of Barra	S5_G4	07/05/2017	14:46:07	57.019957	-7.309712	29.8
Sound of Barra	S5_G5	07/05/2017	14:50:04	57.019283	-7.308122	27.8
Sound of Barra	S5_G6	07/05/2017	14:55:50	57.021167	-7.306382	26.7
Sound of Barra	S5_G7	07/05/2017	15:00:56	57.019272	-7.307407	26.7
Sound of Barra	S5_G8	07/05/2017	15:05:31	57.017487	-7.306603	28.7
Sound of Barra	S5_G9	07/05/2017	15:15:37	57.022075	-7.310272	27.6
Sound of Barra	S5_G10	07/05/2017	15:21:53	57.017492	-7.309328	26.6
Sound of Barra	S6_G1	07/05/2017	16:08:55	57.003872	-7.316545	27.4
Sound of Barra	S6_G2	07/05/2017	16:16:35	57.001435	-7.317920	26.4
Sound of Barra	S6_G3	07/05/2017	16:23:24	57.002847	-7.317150	28.4
Sound of Barra	S6_G4	07/05/2017	16:28:50	57.001733	-7.319885	24.4
Sound of Barra	S6_G5	07/05/2017	16:31:42	57.000873	-7.320387	28.4
Sound of Barra	S6_G6	07/05/2017	16:36:25	57.000525	-7.318242	26.4
Sound of Barra	S6_G7	07/05/2017	16:51:07	57.000248	-7.322643	30.4
Sound of Barra	S6_G8	07/05/2017	16:57:47	56.998288	-7.323903	28.4
Sound of Barra	S6_G9	07/05/2017	17:02:51	56.997790	-7.323193	28.4
Sound of Barra	S7_G1	08/05/2017	9:13:50	56.986903	-7.364612	26.4
Sound of Barra	S7_G2	08/05/2017	9:19:54	56.989073	-7.361840	25.5
Sound of Barra	S7_G3	08/05/2017	9:24:30	56.987117	-7.360435	27.5
Sound of Barra	S7_G4	08/05/2017	9:29:45	56.986512	-7.355695	26.6
Sound of Barra	S7_G5	08/05/2017	9:33:24	56.985498	-7.354430	31.6
Sound of Barra	S7_G6	08/05/2017	9:46:35	56.983743	-7.358978	15.8
Sound of Barra	S7_G7	08/05/2017	9:51:18	56.983382	-7.357538	22.8
Sound of Barra	S7_G8	08/05/2017	9:56:10	56.983387	-7.354385	26.9
Sound of Barra	S7_G9	08/05/2017	10:03:19	56.985777	-7.358808	25.9
Sound of Barra	S8_G1	06/05/2017	15:07:00	56.958333	-7.390353	25.6
Sound of Barra	S8_G2	06/05/2017	15:12:00	56.959880	-7.388842	20.6
Sound of Barra	S8_G3	06/05/2017	15:17:00	56.960717	-7.391737	27.6
Sound of Barra	S8_G4	06/05/2017	15:21:00	56.961877	-7.390043	28.6
Sound of Barra	S8_G5	06/05/2017	15:26:00	56.963303	-7.388582	28.6
Sound of Barra	S8_G6	08/05/2017	8:04:32	56.962373	-7.386795	27.6
Sound of Barra	S8_G7	08/05/2017	8:10:50	56.959007	-7.386047	28.7
Sound of Barra	S8_G8	08/05/2017	8:23:40	56.956773	-7.383225	28.8
Sound of Barra	S8_G9	08/05/2017	8:34:09	56.960898	-7.386457	27.9
Sound of Barra	S9_G1	06/05/2017	16:18:00	56.936848	-7.433365	26.6
Sound of Barra	S9_G2	06/05/2017	16:23:00	56.936797	-7.430918	27.6
Sound of Barra	S9_G3	06/05/2017	16:28:00	56.937810	-7.431458	26.6
Sound of Barra	S9_G4	06/05/2017	16:33:00	56.934692	-7.429003	26.6
Sound of Barra	S9_G5	06/05/2017	16:37:00	56.936003	-7.426707	26.7
Sound of Barra	S9_G6	06/05/2017	16:42:00	56.935327	-7.422825	27.7

Location	Sample	Date	Time UTC	Latitude	Longitude	Depth m BCD
Sound of Barra	S9_G7	06/05/2017	16:46:00	56.934055	-7.421057	29.7
Sound of Barra	S9_G8	06/05/2017	16:51:00	56.934762	-7.416582	30.7
Sound of Barra	S9_G9	06/05/2017	16:56:00	56.931902	-7.416473	30.8
Sound of Barra	S9_G10	06/05/2017	17:04:00	56.932338	-7.421937	28.8
Sound of Barra	S10_G1	06/05/2017	17:33:00	56.911718	-7.485932	22.9
Sound of Barra	S10_G2	06/05/2017	17:38:00	56.909807	-7.484593	24
Sound of Barra	S10_G3	06/05/2017	17:42:00	56.910207	-7.481978	24
Sound of Barra	S10_G4	06/05/2017	17:46:00	56.909612	-7.479063	23.1
Sound of Barra	S10_G5	08/05/2017	10:24:32	56.908058	-7.490095	23
Sound of Barra	S10_G6	08/05/2017	11:09:19	56.908007	-7.486433	25.1
Sound of Barra	S10_G7	08/05/2017	11:13:18	56.908247	-7.482678	26.1
Sound of Barra	S10_G8	08/05/2017	11:19:58	56.906450	-7.491592	26.1
Sound of Barra	S10_G9	08/05/2017	11:26:20	56.904452	-7.487422	27.1
Sound of Barra	S10_G10	08/05/2017	11:30:48	56.905670	-7.484457	27.1
Sound of Barra	S11_G1	12/05/2017	15:02:24	57.132193	-7.220983	35.6
Sound of Barra	S11_G2	12/05/2017	15:06:58	57.132033	-7.218475	39.5
Sound of Barra	S11_G3	12/05/2017	15:10:57	57.132993	-7.219185	37.4
Sound of Barra	S11_G4	12/05/2017	15:18:54	57.134788	-7.223985	34.3
Sound of Barra	S11_G5	12/05/2017	15:23:45	57.134290	-7.220790	35.3
Sound of Barra	S11_G6	12/05/2017	15:30:37	57.137043	-7.224172	36.2
Sound of Barra	S11_G7	12/05/2017	16:07:30	57.136242	-7.222912	35.6
Sound of Barra	S11_G8	12/05/2017	16:12:12	57.136027	-7.220337	37.6
Sound of Barra	S11_G9	12/05/2017	16:16:52	57.135107	-7.219858	36.5
Sound of Barra	S11_G10	12/05/2017	16:21:27	57.137193	-7.220757	37.5
Sound of Barra	Z1	13/05/2017	6:57:51	56.969093	-7.363863	26.3
Sound of Barra	Z2	13/05/2017	7:12:36	56.978975	-7.347795	26.3
Sound of Barra	Z3	13/05/2017	7:18:33	56.976632	-7.357388	17.3
Sound of Barra	Z4	13/05/2017	7:37:13	56.989700	-7.333915	24.3
Sound of Barra	Z5	13/05/2017	7:55:37	57.027355	-7.312618	28.3

ANNEX 2: SEDIMENT PARTICLE SIZE ANALYSES DATA

SAMPLE	PARAMETER	Loch Carron LC-G1	Loch Carron LC-G2	Loch Carron LC-G3	Loch Carron LC-G4	Loch Carron LC-G5	Loch Carron LC-G6	Loch Carron LC-G7	Loch Carron LC-G8	Loch Carron LC-G9	Loch Carron LC-G10
SAMPLE TYPE:		Bimodal, Moderately Sorted	Bimodal, Very poorly sorted	Bimodal, Very poorly sorted	Trimodal, Very poorly sorted	Polymodal, Very poorly sorted	Trimodal, Very poorly sorted	Bimodal, Very poorly sorted	Polymodal, Very poorly sorted	Bimodal, Very poorly sorted	Polymodal, Very poorly sorted
TEXTURAL GROUP:		Gravel	Gravelly Muddy Sand	Muddy Sandy Gravel	Gravelly Muddy Sand	Gravelly Muddy Sand	Gravelly Muddy Sand	Muddy Sandy Gravel	Gravelly Muddy Sand	Muddy Sandy Gravel	Gravelly Muddy Sand
SEDIMENT NAME:		Coarse Gravel	Very Fine Gravelly Coarse Silty Coarse Sand	Coarse Silty Sandy Coarse Gravel	Very Fine Gravelly Coarse Silty Very Coarse Sand	Very Fine Gravelly Medium Silty Very Coarse Sand	Fine Gravelly Coarse Silty Coarse Sand	Medium Silty Sandy Coarse Gravel	Very Fine Gravelly Coarse Silty Very Coarse Sand	Medium Silty Sandy Medium Gravel	Fine Gravelly Coarse Silty Medium Sand
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	16231.5	550.453	10417.0	572.4	591.5	365.4	8837.9	629.88	1790.95	201.4
	MEAN GRAIN SIZE (µm)	12873.8	461.9	6267.596	512.332	393.762	237.52	3301.0	448.63	711.1	148.7
	SORTING	1.726	4.3	5.139	4.726	7.506	7.377	12.135	6.780	15.23	8.738
	SKEWNESS	-0.640	-0.291	-0.651	-0.211	-0.300	-0.269	-0.638	-0.300	-0.468	-0.149
	KURTOSIS	0.948	1.697	1.284	1.380	1.209	1.124	0.941	1.303	0.648	0.851
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	-4.021	0.9	-3.381	0.805	0.757	1.452	-3.144	0.667	-0.841	2.312
	MEAN GRAIN SIZE (phi):	-3.686	1.1	-2.648	0.965	1.345	2.074	-1.723	1.156	0.492	2.750
	SORTING	0.788	2.1	2.362	2.241	2.908	2.883	3.601	2.761	3.929	3.127
	SKEWNESS	0.640	0.291	0.651	0.211	0.300	0.269	0.638	0.300	0.468	0.149
	KURTOSIS	0.948	1.697	1.284	1.380	1.209	1.124	0.941	1.303	0.648	0.851
FOLK AND WARD METHOD (Description)	MEAN:	Medium Gravel	Medium Sand	Fine Gravel	Coarse Sand	Medium Sand	Fine Sand	Very Fine Gravel	Medium Sand	Coarse Sand	Fine Sand
	SORTING:	Moderately Sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted
	SKEWNESS:	Very Fine Skewed	Fine Skewed	Very Fine Skewed	Fine Skewed	Very Fine Skewed	Fine Skewed	Very Fine Skewed	Fine Skewed	Very Fine Skewed	Fine Skewed
	KURTOSIS:	Mesokurtic	Very Leptokurtic	Leptokurtic	Leptokurtic	Leptokurtic	Leptokurtic	Mesokurtic	Leptokurtic	Very Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	97.122	9.209	77.786	13.659	19.107	11.328	69.909	19.955	49.217	9.639
	% SAND:	1.349	78.079	16.667	74.771	63.020	65.525	17.980	63.761	25.782	56.127
	% MUD:	1.529	12.712	5.547	11.570	17.873	23.147	12.112	16.284	25.001	34.234
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	52.229	0.000	47.063	0.000	0.000	0.000	28.900	0.000	0.000	0.000
	% MEDIUM GRAVEL:	25.942	0.000	13.635	1.164	1.702	0.000	26.780	0.398	28.268	0.000
	% FINE GRAVEL:	16.619	4.059	10.431	5.016	8.452	5.867	9.407	7.505	17.739	5.273
	% V FINE GRAVEL:	2.331	5.150	6.657	7.479	8.954	5.461	4.821	12.053	3.211	4.366
	% V COARSE SAND:	0.709	16.514	8.402	21.137	18.494	9.743	3.755	18.762	4.963	10.399
	% COARSE SAND:	0.028	28.386	2.624	19.373	16.650	20.130	3.270	17.766	2.551	11.932
	% MEDIUM SAND:	0.141	21.933	2.427	19.384	14.715	17.755	4.328	16.405	4.600	14.279
	% FINE SAND:	0.218	8.287	1.844	10.778	9.141	11.442	3.927	7.639	6.610	11.148
	% V FINE SAND:	0.254	2.958	1.371	4.098	4.020	6.456	2.700	3.188	7.057	8.368
	% V COARSE SILT:	0.311	2.870	1.388	2.680	3.527	5.513	2.240	3.343	5.550	7.594
	% COARSE SILT:	0.393	3.438	1.687	3.027	4.598	6.053	2.756	4.276	5.625	8.424
	% MEDIUM SILT:	0.389	3.161	1.450	2.795	5.015	5.496	3.083	4.234	5.955	8.274
% FINE SILT:	0.314	2.455	0.880	2.269	4.005	4.466	2.849	3.500	5.485	7.017	
% V FINE SILT:	0.116	0.788	0.142	0.797	0.727	1.602	1.136	0.931	2.279	2.801	
% CLAY:	0.004	0.001	0.000	0.001	0.000	0.000	0.018	0.047	0.001	0.106	0.124

SAMPLE	PARAMETER	Loch Carron LC-G11	Loch Carron LC-G12	Loch Carron LC-G13	Loch Carron LC-G14	Loch Carron LC-G15	Loch Carron LC-G16	Wester Ross WR-G1	Wester Ross WR-G2	Wester Ross WR-G3	Wester Ross WR-G4
SAMPLE TYPE:		Polymodal, Very poorly sorted	Trimodal, Very poorly sorted	Polymodal, Very poorly sorted	Polymodal, Very poorly sorted	Bimodal, Very poorly sorted	Polymodal, Very poorly sorted	Bimodal, Very poorly sorted	Polymodal, Extremely Poorly Sorted	Unimodal, Very poorly sorted	Polymodal, Very poorly sorted
TEXTURAL GROUP:		Gravelly Muddy Sand	Gravelly Muddy Sand	Slightly Gravelly Muddy Sand	Gravelly Muddy Sand	Muddy Sandy Gravel	Muddy Sandy Gravel	Slightly Gravelly Muddy Sand	Muddy Sandy Gravel	Gravelly Muddy Sand	Gravelly Muddy Sand
SEDIMENT NAME:		Medium Gravelly Medium Silty Medium Sand	Very Fine Gravelly Medium Silty Medium Sand	Slightly Fine Gravelly Medium Silty Medium Sand	Very Fine Gravelly Medium Silty Very Coarse Sand	Medium Silty Sandy Fine Gravel	Very Coarse Silty Sandy Medium Gravel	Slightly Very Fine Gravelly Coarse Silty Coarse Sand	Very Coarse Silty Sandy Coarse Gravel	Very Fine Gravelly Very Coarse Silty Very Coarse Sand	Very Fine Gravelly Coarse Silty Very Coarse Sand
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	401.4	271.128	115.1	144.5	3984.8	1474.1	510.1	575.5	1109.9	210.3
	MEAN GRAIN SIZE (µm)	307.9	163.0	91.127	136.478	1371.536	758.66	219.05	544.20	493.94	194.95
	SORTING	9.656	7.6	7.295	11.262	10.950	15.084	7.193	17.695	5.433	10.801
	SKEWNESS	-0.156	-0.310	-0.138	-0.018	-0.628	-0.371	-0.569	-0.077	-0.700	-0.041
	KURTOSIS	1.097	0.856	0.767	0.686	1.771	0.718	0.728	0.693	1.250	0.748
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	1.317	1.9	3.118	2.791	-1.995	-0.560	0.971	0.797	-0.150	2.249
	MEAN GRAIN SIZE (phi):	1.699	2.6	3.456	2.873	-0.456	0.398	2.191	0.878	1.018	2.359
	SORTING	3.271	2.9	2.867	3.493	3.453	3.915	2.847	4.145	2.442	3.433
	SKEWNESS	0.156	0.310	0.138	0.018	0.628	0.371	0.569	0.077	0.700	0.041
	KURTOSIS	1.097	0.856	0.767	0.686	1.771	0.718	0.728	0.693	1.250	0.748
FOLK AND WARD METHOD (Description)	MEAN:	Medium Sand	Fine Sand	Very Fine Sand	Fine Sand	Very Coarse Sand	Coarse Sand	Fine Sand	Coarse Sand	Medium Sand	Fine Sand
	SORTING:	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Extremely Poorly Sorted	Very poorly sorted	Very poorly sorted
	SKEWNESS:	Fine Skewed	Very Fine Skewed	Fine Skewed	Symmetrical	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Symmetrical	Very Fine Skewed	Symmetrical
	KURTOSIS:	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Very Leptokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Leptokurtic
BULK GRAIN SIZE	% GRAVEL:	19.023	6.779	3.695	15.439	69.601	45.723	3.316	36.409	11.387	19.410
	% SAND:	58.833	62.748	56.422	44.812	15.210	31.401	67.548	35.400	72.135	45.009
	% MUD:	22.144	30.473	39.883	39.749	15.189	22.876	29.136	28.190	16.478	35.581
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000	0.000	0.000	12.668	0.000	0.000	13.211	0.000	0.000
	% MEDIUM GRAVEL:	7.564	0.000	0.000	0.000	5.120	19.123	0.000	8.701	0.000	4.395
	% FINE GRAVEL:	5.476	2.586	2.348	7.240	32.056	18.569	0.340	6.679	0.406	5.876
	% V FINE GRAVEL:	5.983	4.194	1.347	8.199	19.756	8.031	2.975	7.819	10.982	9.139
	% V COARSE SAND:	13.162	11.304	7.545	14.883	5.684	10.800	23.327	10.576	45.798	11.896
	% COARSE SAND:	12.716	14.073	11.179	5.797	0.600	3.735	24.011	4.041	11.587	8.104
	% MEDIUM SAND:	15.640	20.032	13.055	7.793	1.674	3.923	11.142	6.402	6.800	8.629
	% FINE SAND:	11.193	10.964	13.000	7.806	3.175	5.910	4.033	6.880	3.621	7.962
	% V FINE SAND:	6.124	6.374	11.643	8.532	4.078	7.033	5.035	7.501	4.328	8.417
	% V COARSE SILT:	4.697	6.093	7.953	7.725	3.374	5.415	6.234	7.425	4.889	8.981
	% COARSE SILT:	5.515	7.417	8.712	8.566	3.311	5.103	7.311	7.150	4.550	9.257
% MEDIUM SILT:	5.545	7.771	9.759	9.538	3.500	5.202	7.181	6.356	3.578	8.197	
% FINE SILT:	4.656	6.662	9.094	9.352	3.337	4.798	6.152	5.150	2.638	6.566	
% V FINE SILT:	1.702	2.473	4.081	4.259	1.546	2.194	2.230	2.024	0.822	2.497	
% CLAY:	0.029	0.057	0.285	0.308	0.121	0.164	0.029	0.086	0.001	0.083	

SAMPLE	PARAMETER	Wester Ross WR-G5	Wester Ross WR-G6	Wester Ross WR-G7	Moray Firth MF-G01	Moray Firth MF-G02	Moray Firth MF-G03	Moray Firth MF-G04	Moray Firth MF-G05	Moray Firth MF-G06	Moray Firth MF-G07
SAMPLE TYPE:		Polymodal, Extremely Poorly Sorted	Polymodal, Extremely Poorly Sorted	Polymodal, Very poorly sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Muddy Gravel	Muddy Sandy Gravel	Muddy Sandy Gravel	Slightly Gravelly Muddy Sand	Slightly Gravelly Muddy Sand	Slightly Gravelly Sandy Mud	Slightly Gravelly Sandy Mud	Slightly Gravelly Muddy Sand	Slightly Gravelly Sandy Mud	Slightly Gravelly Sandy Mud
SEDIMENT NAME:		Coarse Silty Medium Gravel	Coarse Silty Sandy Medium Gravel	Very Coarse Silty Sandy Coarse Gravel	Slightly Very Fine Gravelly Very Coarse Silty Very Fine Sand	Slightly Very Fine Gravelly Very Coarse Silty Very Fine Sand	Slightly Very Fine Gravelly Very Fine Sandy Very Coarse Silt	Slightly Very Fine Gravelly Very Fine Sandy Very Coarse Silt	Slightly Very Fine Gravelly Very Coarse Silty Very Fine Sand	Slightly Very Fine Gravelly Very Fine Sandy Very Coarse Silt	Slightly Very Fine Gravelly Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	363.2	523.3	1096.2	71.7	65.47	52.55	57.0	65.6	54.741	54.4
	MEAN GRAIN SIZE (µm)	341.23	439.74	690.68	65.3	54.54	43.5	48.7	57.1	45.6	43.858
	SORTING	16.431	16.744	15.604	3.241	2.822	2.85	3.121	3.424	2.8	3.044
	SKEWNESS	-0.056	-0.123	-0.250	-0.124	-0.281	-0.276	-0.187	-0.150	-0.269	-0.274
	KURTOSIS	0.674	0.682	0.748	1.164	1.228	1.046	1.065	1.109	1.046	1.066
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	1.461	0.934	-0.133	3.802	3.933	4.250	4.134	3.930	4.2	4.199
	MEAN GRAIN SIZE (phi):	1.551	1.185	0.534	3.937	4.197	4.523	4.361	4.131	4.5	4.511
	SORTING	4.038	4.066	3.964	1.696	1.497	1.509	1.642	1.776	1.5	1.606
	SKEWNESS	0.056	0.123	0.250	0.124	0.281	0.276	0.187	0.150	0.269	0.274
	KURTOSIS	0.674	0.682	0.748	1.164	1.228	1.046	1.065	1.109	1.046	1.066
FOLK AND WARD METHOD (Description)	MEAN:	Medium Sand	Medium Sand	Coarse Sand	Very Fine Sand	Very Coarse Silt	Very Coarse Silt	Very Coarse Silt	Very Coarse Silt	Very Coarse Silt	Very Coarse Silt
	SORTING:	Extremely Poorly Sorted	Extremely Poorly Sorted	Very poorly sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Symmetrical	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed
	KURTOSIS:	Platykurtic	Platykurtic	Platykurtic	Leptokurtic	Leptokurtic	Mesokurtic	Mesokurtic	Mesokurtic	Mesokurtic	Mesokurtic
BULK GRAIN SIZE	% GRAVEL:	32.608	34.848	35.898	0.198	0.313	0.018	0.029	0.050	0.130	0.026
	% SAND:	33.361	33.866	38.877	55.707	52.114	42.233	46.414	51.946	44.135	44.067
	% MUD:	34.030	31.286	25.225	44.095	47.573	57.749	53.557	48.003	55.735	55.907
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000	12.608	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	16.053	19.012	7.763	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% FINE GRAVEL:	7.645	6.248	6.430	0.000	0.117	0.000	0.000	0.000	0.019	0.000
	% V FINE GRAVEL:	8.911	9.589	9.097	0.198	0.195	0.018	0.029	0.050	0.111	0.026
	% V COARSE SAND:	10.496	10.933	16.359	0.373	0.352	0.159	0.293	0.101	0.056	0.238
	% COARSE SAND:	4.480	4.566	4.591	2.138	0.588	0.422	1.238	2.279	0.354	0.580
	% MEDIUM SAND:	5.147	5.317	4.864	8.954	2.786	1.807	4.229	8.296	1.987	2.623
	% FINE SAND:	5.759	5.714	5.751	15.663	14.213	9.962	12.610	14.211	11.218	11.014
	% V FINE SAND:	7.480	7.335	7.312	28.580	34.175	29.883	28.044	27.060	30.520	29.612
	% V COARSE SILT:	8.112	7.671	7.085	20.790	24.067	26.499	23.113	20.585	25.518	25.069
	% COARSE SILT:	8.303	7.720	6.617	10.610	9.381	13.374	13.470	11.570	13.282	12.077
	% MEDIUM SILT:	7.924	7.215	5.631	7.498	7.730	9.785	9.628	9.054	9.488	9.634
% FINE SILT:	6.759	6.052	4.339	4.296	5.222	6.380	6.014	5.538	5.890	6.999	
% V FINE SILT:	2.785	2.504	1.526	0.901	1.171	1.710	1.331	1.255	1.555	2.109	
% CLAY:	0.148	0.123	0.026	0.000	0.001	0.002	0.001	0.001	0.002	0.018	

SAMPLE	PARAMETER	Moray Firth MF-G08	Barra S2-G1	Barra S2-G2	Barra S2-G3	Barra S2-G4	Barra S2-G5	Barra S2-G6	Barra S2-G7	Barra S2-G8	Barra S2-G9
SAMPLE TYPE:		Polymodal, Very poorly sorted	Bimodal, Very poorly sorted	Bimodal, Poorly Sorted	Bimodal, Very poorly sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Gravelly Muddy Sand	Gravelly Sand	Gravelly Sand	Gravelly Sand	Gravelly Sand	Gravelly Sand	Sandy Gravel	Gravelly Sand	Gravelly Sand	Gravelly Sand
SEDIMENT NAME:		Fine Gravelly Very Coarse Silty Very Fine Sand	Fine Gravelly Medium Sand	Very Fine Gravelly Medium Sand	Very Fine Gravelly Very Coarse Sand	Very Fine Gravelly Medium Sand	Very Fine Gravelly Very Coarse Sand	Sandy Very Fine Gravel	Very Fine Gravelly Coarse Sand	Very Fine Gravelly Coarse Sand	Very Fine Gravelly Very Coarse Sand
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	205.7	392.3	494.2	821.3	441.8	880.4	1701.1	926.0	954.0	1161.4
	MEAN GRAIN SIZE (µm)	283.384	479.687	536.84	652.71	495.87	749.14	1354.60	928.05	929.51	1038.46
	SORTING	9.436	4.336	3.514	4.202	3.515	2.766	2.680	2.922	2.617	2.576
	SKEWNESS	0.139	0.139	0.007	-0.320	0.033	-0.268	-0.382	-0.034	-0.258	-0.220
	KURTOSIS	0.759	1.486	0.955	1.087	1.692	1.059	1.521	0.905	1.869	1.085
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	2.281	1.350	1.017	0.284	1.179	0.184	-0.766	0.111	0.068	-0.216
	MEAN GRAIN SIZE (phi):	1.819	1.060	0.897	0.615	1.012	0.417	-0.438	0.108	0.105	-0.054
	SORTING	3.238	2.116	1.813	2.071	1.814	1.468	1.422	1.547	1.388	1.365
	SKEWNESS	-0.139	-0.139	-0.007	0.320	-0.033	0.268	0.382	0.034	0.258	0.220
	KURTOSIS	0.759	1.486	0.955	1.087	1.692	1.059	1.521	0.905	1.869	1.085
FOLK AND WARD METHOD (Description)	MEAN:	Medium Sand	Medium Sand	Coarse Sand	Coarse Sand	Medium Sand	Coarse Sand	Very Coarse Sand	Coarse Sand	Coarse Sand	Very Coarse Sand
	SORTING:	Very poorly sorted	Very poorly sorted	Poorly Sorted	Very poorly sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Coarse Skewed	Coarse Skewed	Symmetrical	Very Fine Skewed	Symmetrical	Fine Skewed	Very Fine Skewed	Symmetrical	Fine Skewed	Fine Skewed
	KURTOSIS:	Platykurtic	Leptokurtic	Mesokurtic	Mesokurtic	Very Leptokurtic	Mesokurtic	Very Leptokurtic	Mesokurtic	Very Leptokurtic	Mesokurtic
BULK GRAIN SIZE	% GRAVEL:	25.132	15.832	14.458	17.857	12.855	13.268	40.175	26.560	12.609	23.132
	% SAND:	46.110	77.412	80.213	74.594	80.705	82.989	58.301	70.833	82.083	74.586
	% MUD:	28.758	6.756	5.330	7.549	6.440	3.743	1.523	2.607	5.308	2.282
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	5.114	1.746	0.000	1.517	1.933	0.000	0.400	0.000	0.230	0.000
	% FINE GRAVEL:	10.203	8.379	3.009	3.677	2.976	2.182	6.950	7.414	1.478	4.232
	% V FINE GRAVEL:	9.815	5.707	11.449	12.663	7.946	11.085	32.826	19.147	10.900	18.901
	% V COARSE SAND:	10.668	7.067	21.709	29.085	7.102	32.194	36.608	21.179	34.577	34.055
	% COARSE SAND:	4.781	17.176	13.484	11.678	23.963	23.445	6.481	22.433	35.179	21.695
	% MEDIUM SAND:	7.438	27.943	22.268	15.473	31.682	15.547	7.551	18.950	8.783	12.102
	% FINE SAND:	8.433	19.053	18.026	13.836	14.990	8.994	5.978	6.732	2.252	5.237
	% V FINE SAND:	14.790	6.173	4.727	4.522	2.967	2.809	1.683	1.538	1.291	1.497
	% V COARSE SILT:	11.971	1.700	1.057	1.668	1.344	0.926	0.413	0.605	1.059	0.535
	% COARSE SILT:	7.506	1.908	1.508	2.207	1.721	1.069	0.459	0.699	1.524	0.667
	% MEDIUM SILT:	5.319	1.549	1.316	1.888	1.633	0.877	0.330	0.652	1.392	0.556
	% FINE SILT:	3.204	1.272	1.128	1.414	1.412	0.744	0.278	0.558	1.120	0.467
% V FINE SILT:	0.757	0.326	0.320	0.371	0.331	0.126	0.044	0.092	0.213	0.057	
% CLAY:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

SAMPLE	PARAMETER	Barra S3-G1	Barra S3-G2	Barra S3-G3	Barra S3-G4	Barra S3-G5	Barra S3-G6	Barra S3-G7	Barra S3-G8	Barra S4-G1	Barra S4-G2
SAMPLE TYPE:		Unimodal, Moderately Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Moderately Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Slightly Gravelly Sand	Sandy Gravel	Gravelly Sand	Gravelly Sand	Gravelly Sand	Slightly Gravelly Sand	Sandy Gravel	Sandy Gravel	Sandy Gravel	Sandy Gravel
SEDIMENT NAME:		Slightly Very Fine Gravelly Coarse Sand	Sandy Very Fine Gravel	Very Fine Gravelly Very Coarse Sand	Very Fine Gravelly Fine Sand	Fine Gravelly Fine Sand	Slightly Very Fine Gravelly Fine Sand	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	465.1	2025.3	1234.4	240.9	233.6	268.9	2232.2	2276.0	1623.1	1651.7
	MEAN GRAIN SIZE (µm)	421.92	1973.61	1031.04	257.75	257.22	282.82	2242.17	1885.91	1549.34	1543.42
	SORTING	1.986	2.240	2.655	2.331	2.579	2.075	1.761	3.362	2.044	2.240
	SKEWNESS	-0.270	-0.251	-0.283	0.291	0.362	0.126	-0.034	-0.267	-0.116	-0.163
	KURTOSIS	0.965	2.055	1.042	1.539	1.786	1.036	1.209	1.164	1.247	1.188
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	1.105	-1.018	-0.304	2.054	2.098	1.895	-1.158	-1.186	-0.699	-0.724
	MEAN GRAIN SIZE (phi):	1.245	-0.981	-0.044	1.956	1.959	1.822	-1.165	-0.915	-0.632	-0.626
	SORTING	0.990	1.164	1.408	1.221	1.367	1.053	0.816	1.749	1.031	1.164
	SKEWNESS	0.270	0.251	0.283	-0.291	-0.362	-0.126	0.034	0.267	0.116	0.163
	KURTOSIS	0.965	2.055	1.042	1.539	1.786	1.036	1.209	1.164	1.247	1.188
FOLK AND WARD METHOD (Description)	MEAN:	Medium Sand	Very Coarse Sand	Very Coarse Sand	Medium Sand	Medium Sand	Medium Sand	Very Fine Gravel	Very Coarse Sand	Very Coarse Sand	Very Coarse Sand
	SORTING:	Moderately Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Moderately Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Fine Skewed	Fine Skewed	Fine Skewed	Coarse Skewed	Very Coarse Skewed	Coarse Skewed	Symmetrical	Fine Skewed	Fine Skewed	Fine Skewed
	KURTOSIS:	Mesokurtic	Very Leptokurtic	Mesokurtic	Very Leptokurtic	Very Leptokurtic	Mesokurtic	Leptokurtic	Leptokurtic	Leptokurtic	Leptokurtic
BULK GRAIN SIZE	% GRAVEL:	0.939	50.972	24.993	6.233	9.625	2.199	59.042	55.873	35.768	38.705
	% SAND:	96.898	46.258	73.874	91.793	88.376	95.902	39.806	42.389	64.080	60.443
	% MUD:	2.163	2.770	1.134	1.974	1.999	1.899	1.153	1.738	0.152	0.852
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	0.000	2.173	0.000	0.192	0.703	0.000	1.691	5.958	2.621	1.152
	% FINE GRAVEL:	0.310	7.229	4.344	2.557	5.473	0.183	10.771	21.150	4.490	8.030
	% V FINE GRAVEL:	0.629	41.569	20.649	3.484	3.450	2.016	46.579	28.765	28.657	29.522
	% V COARSE SAND:	2.754	36.638	35.453	2.986	2.108	3.220	34.330	19.874	42.158	35.587
	% COARSE SAND:	42.398	3.681	17.348	7.596	5.398	15.399	3.033	8.635	14.629	16.247
	% MEDIUM SAND:	31.863	2.414	11.466	30.756	28.413	33.199	1.007	7.151	5.072	5.641
	% FINE SAND:	15.465	2.262	7.724	40.291	41.290	35.220	0.850	5.217	1.725	2.191
	% V FINE SAND:	4.419	1.262	1.882	10.163	11.167	8.864	0.585	1.512	0.496	0.776
	% V COARSE SILT:	0.491	0.816	0.163	0.150	0.149	0.187	0.389	0.497	0.053	0.256
	% COARSE SILT:	0.751	0.804	0.421	0.752	0.775	0.753	0.344	0.522	0.042	0.247
	% MEDIUM SILT:	0.544	0.618	0.296	0.569	0.607	0.516	0.235	0.370	0.039	0.200
% FINE SILT:	0.377	0.430	0.253	0.490	0.462	0.435	0.157	0.303	0.018	0.148	
% V FINE SILT:	0.000	0.103	0.000	0.013	0.007	0.008	0.028	0.047	0.000	0.002	
% CLAY:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

SAMPLE	PARAMETER	Barra S4-G3	Barra S4-G4	Barra S4-G5	Barra S4-G6	Barra S4-G7	Barra S4-G8	Barra S4-G9	Barra S4-G10	Barra S5-G1	Barra S5-G2
SAMPLE TYPE:		Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Sorted	Trimodal, Poorly Sorted	Unimodal, Moderately Sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Gravelly Sand	Sandy Gravel	Sandy Gravel	Sandy Gravel	Sandy Gravel	Slightly Gravelly Sand	Gravelly Sand	Gravelly Sand	Sandy Gravel	Sandy Gravel
SEDIMENT NAME:		Very Fine Gravelly Coarse Sand	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Slightly Medium Gravelly Medium Sand	Very Fine Gravelly Very Coarse Sand	Medium Gravelly Medium Sand	Sandy Very Fine Gravel	Sandy Very Fine Gravel
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	935.1	2632.4	2955.2	1463.9	2159.3	300.3	1327.2	451.6	1904.2	1571.8
	MEAN GRAIN SIZE (µm)	1060.93	2853.26	2264.29	1409.84	1740.16	301.58	1276.02	617.48	1892.83	1512.84
	SORTING	2.578	2.977	3.007	2.674	3.323	1.985	1.783	3.815	1.936	2.205
	SKEWNESS	0.162	0.050	-0.404	-0.140	-0.318	0.008	-0.148	0.357	-0.064	-0.041
	KURTOSIS	1.070	1.200	1.363	1.256	1.254	1.033	1.287	1.282	1.123	1.136
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	0.097	-1.396	-1.563	-0.550	-1.111	1.736	-0.408	1.147	-0.929	-0.652
	MEAN GRAIN SIZE (phi):	-0.085	-1.513	-1.179	-0.496	-0.799	1.729	-0.352	0.696	-0.921	-0.597
	SORTING	1.366	1.574	1.588	1.419	1.733	0.989	0.835	1.932	0.953	1.141
	SKEWNESS	-0.162	-0.050	0.404	0.140	0.318	-0.008	0.148	-0.357	0.064	0.041
	KURTOSIS	1.070	1.200	1.363	1.256	1.254	1.033	1.287	1.282	1.123	1.136
FOLK AND WARD METHOD (Description)	MEAN:	Very Coarse Sand	Very Fine Gravel	Very Fine Gravel	Very Coarse Sand	Very Coarse Sand	Medium Sand	Very Coarse Sand	Coarse Sand	Very Coarse Sand	Very Coarse Sand
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Moderately Sorted	Moderately Sorted	Poorly Sorted	Moderately Sorted	Poorly Sorted
	SKEWNESS:	Coarse Skewed	Symmetrical	Very Fine Skewed	Fine Skewed	Very Fine Skewed	Symmetrical	Fine Skewed	Very Coarse Skewed	Symmetrical	Symmetrical
	KURTOSIS:	Mesokurtic	Leptokurtic	Leptokurtic	Leptokurtic	Leptokurtic	Mesokurtic	Leptokurtic	Leptokurtic	Leptokurtic	Leptokurtic
BULK GRAIN SIZE	% GRAVEL:	25.272	62.097	67.897	34.656	53.585	2.597	18.388	18.934	46.984	36.041
	% SAND:	73.350	37.218	30.008	63.258	43.477	94.931	80.460	78.007	52.402	62.086
	% MUD:	1.378	0.685	2.095	2.086	2.939	2.472	1.152	3.060	0.614	1.873
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	6.652	2.185	0.000	0.000	0.000	0.000	0.000	0.000	1.308
	% MEDIUM GRAVEL:	2.528	9.840	4.258	1.842	3.973	1.386	0.282	8.886	0.670	1.927
	% FINE GRAVEL:	6.696	16.731	26.045	9.804	20.418	0.312	1.896	3.412	9.917	5.932
	% V FINE GRAVEL:	16.048	28.874	35.409	23.009	29.194	0.899	16.210	6.635	36.397	26.874
	% V COARSE SAND:	20.903	24.083	12.343	34.542	23.115	1.461	54.946	6.801	37.560	36.244
	% COARSE SAND:	35.522	7.047	7.452	17.001	6.717	18.132	19.335	19.766	11.179	20.050
	% MEDIUM SAND:	12.591	3.438	5.738	6.575	7.494	38.745	4.546	30.267	2.910	4.694
	% FINE SAND:	3.252	1.903	3.294	3.778	4.770	30.136	1.116	17.923	0.436	0.439
	% V FINE SAND:	1.081	0.748	1.181	1.362	1.380	6.458	0.517	3.250	0.317	0.659
	% V COARSE SILT:	0.270	0.262	0.621	0.623	0.768	0.454	0.328	0.724	0.154	0.473
	% COARSE SILT:	0.434	0.189	0.583	0.619	0.848	0.889	0.324	0.898	0.175	0.540
% MEDIUM SILT:	0.394	0.130	0.445	0.461	0.690	0.577	0.282	0.727	0.151	0.449	
% FINE SILT:	0.278	0.099	0.363	0.359	0.507	0.535	0.217	0.635	0.132	0.370	
% V FINE SILT:	0.000	0.005	0.084	0.024	0.126	0.017	0.000	0.076	0.002	0.042	
% CLAY:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

SAMPLE	PARAMETER	Barra S5-G3	Barra S5-G4	Barra S5-G5	Barra S5-G6	Barra S5-G7	Barra S5-G8	Barra S5-G9	Barra S5-G10	Barra S6-G1	Barra S6-G2
SAMPLE TYPE:		Unimodal, Moderately Well Sorted	Unimodal, Moderately Sorted	Bimodal, Poorly Sorted	Unimodal, Moderately Sorted	Bimodal, Poorly Sorted	Unimodal, Moderately Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Sorted
TEXTURAL GROUP:		Gravel	Sandy Gravel	Sandy Gravel	Sandy Gravel	Sandy Gravel	Sandy Gravel	Gravelly Sand	Gravelly Sand	Sandy Gravel	Sandy Gravel
SEDIMENT NAME:		Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Very Fine Gravelly Medium Sand	Very Fine Gravelly Very Coarse Sand	Sandy Very Fine Gravel	Sandy Very Fine Gravel
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	2838.0	2035.6	2067.3	1535.0	1585.0	1694.3	353.3	1147.8	2245.2	1998.4
	MEAN GRAIN SIZE (µm)	2932.54	1981.12	2017.15	1512.77	1642.40	1791.01	391.47	1338.86	2301.20	1862.72
	SORTING	1.566	1.884	3.253	1.968	2.502	1.836	2.921	2.174	1.809	1.889
	SKEWNESS	0.097	-0.112	-0.071	-0.027	0.253	0.070	0.094	0.360	0.211	-0.295
	KURTOSIS	1.031	1.185	2.576	0.897	1.756	1.091	0.914	1.333	1.583	1.404
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	-1.505	-1.025	-1.048	-0.618	-0.664	-0.761	1.501	-0.199	-1.167	-0.999
	MEAN GRAIN SIZE (phi):	-1.552	-0.986	-1.012	-0.597	-0.716	-0.841	1.353	-0.421	-1.202	-0.897
	SORTING	0.647	0.914	1.702	0.977	1.323	0.877	1.546	1.120	0.855	0.917
	SKEWNESS	-0.097	0.112	0.071	0.027	-0.253	-0.070	-0.094	-0.360	-0.211	0.295
	KURTOSIS	1.031	1.185	2.576	0.897	1.756	1.091	0.914	1.333	1.583	1.404
FOLK AND WARD METHOD (Description)	MEAN:	Very Fine Gravel	Very Coarse Sand	Very Fine Gravel	Very Coarse Sand	Very Coarse Sand	Very Coarse Sand	Medium Sand	Very Coarse Sand	Very Fine Gravel	Very Coarse Sand
	SORTING:	Moderately Well Sorted	Moderately Sorted	Poorly Sorted	Moderately Sorted	Poorly Sorted	Moderately Sorted	Poorly Sorted	Poorly Sorted	Moderately Sorted	Moderately Sorted
	SKEWNESS:	Symmetrical	Fine Skewed	Symmetrical	Symmetrical	Coarse Skewed	Symmetrical	Symmetrical	Very Coarse Skewed	Coarse Skewed	Fine Skewed
	KURTOSIS:	Mesokurtic	Leptokurtic	Very Leptokurtic	Platykurtic	Very Leptokurtic	Mesokurtic	Mesokurtic	Leptokurtic	Very Leptokurtic	Leptokurtic
BULK GRAIN SIZE	% GRAVEL:	82.252	51.299	52.227	35.825	36.934	39.484	5.839	23.428	60.897	49.948
	% SAND:	17.085	48.122	43.555	62.907	61.588	58.763	89.748	74.864	38.720	48.039
	% MUD:	0.664	0.579	4.218	1.267	1.478	1.753	4.414	1.708	0.384	2.013
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000	9.284	0.000	6.244	0.000	0.000	0.983	4.382	0.000
	% MEDIUM GRAVEL:	1.601	1.425	0.995	0.981	0.881	1.135	0.000	4.064	1.689	0.000
	% FINE GRAVEL:	21.751	9.239	4.707	5.415	3.829	7.846	0.760	6.384	6.333	5.163
	% V FINE GRAVEL:	58.900	40.635	37.242	29.429	25.980	30.503	5.078	11.998	48.493	44.785
	% V COARSE SAND:	16.130	35.673	32.428	34.871	41.067	47.401	15.950	36.418	34.755	35.072
	% COARSE SAND:	0.196	9.257	7.503	24.502	18.095	9.377	17.002	35.076	2.417	8.461
	% MEDIUM SAND:	0.206	1.693	1.199	2.437	1.322	0.660	24.145	1.679	0.884	2.788
	% FINE SAND:	0.276	0.984	1.241	0.550	0.642	0.684	24.122	1.054	0.432	0.953
	% V FINE SAND:	0.277	0.514	1.185	0.547	0.462	0.641	8.529	0.637	0.232	0.766
	% V COARSE SILT:	0.227	0.195	1.181	0.335	0.368	0.520	1.242	0.430	0.131	0.578
	% COARSE SILT:	0.187	0.164	1.216	0.341	0.399	0.480	1.370	0.504	0.107	0.562
	% MEDIUM SILT:	0.132	0.127	0.965	0.342	0.369	0.387	0.913	0.532	0.076	0.458
	% FINE SILT:	0.090	0.093	0.681	0.249	0.329	0.316	0.766	0.242	0.061	0.348
% V FINE SILT:	0.026	0.000	0.175	0.000	0.013	0.050	0.123	0.000	0.009	0.066	
% CLAY:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

SAMPLE	PARAMETER	Barra S6-G3	Barra S6-G4	Barra S6-G5	Barra S6-G6	Barra S6-G7	Barra S6-G8	Barra S6-G9	Barra S7-G1	Barra S7-G2	Barra S7-G3
SAMPLE TYPE:		Unimodal, Moderately Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Sorted	Unimodal, Poorly Sorted	Bimodal, Very poorly sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Gravel	Sandy Gravel	Gravelly Sand	Sandy Gravel	Sandy Gravel	Sandy Gravel	Sandy Gravel	Slightly Gravelly Sand	Muddy Sandy Gravel	Slightly Gravelly Sand
SEDIMENT NAME:		Sandy Very Fine Gravel	Sandy Very Fine Gravel	Very Fine Gravelly Very Coarse Sand	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Slightly Very Fine Gravelly Fine Sand	Very Coarse Silty Sandy Very Fine Gravel	Slightly Medium Gravelly Fine Sand
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	2836.0	2453.0	1102.2	2923.6	1770.0	1912.4	1570.1	221.0	1634.8	230.0
	MEAN GRAIN SIZE (µm)	2748.48	2447.57	1093.43	2775.24	1732.43	1902.62	1542.25	230.89	855.65	232.32
	SORTING	1.908	1.713	1.852	1.931	1.654	1.743	1.797	2.357	5.244	2.094
	SKEWNESS	-0.137	-0.045	-0.009	-0.173	-0.094	-0.096	-0.074	0.153	-0.597	0.031
	KURTOSIS	1.447	1.110	1.039	1.488	1.150	1.300	1.108	1.328	0.870	1.249
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	-1.504	-1.295	-0.140	-1.548	-0.824	-0.935	-0.651	2.178	-0.709	2.120
	MEAN GRAIN SIZE (phi):	-1.459	-1.291	-0.129	-1.473	-0.793	-0.928	-0.625	2.115	0.225	2.106
	SORTING	0.932	0.777	0.889	0.949	0.726	0.802	0.846	1.237	2.391	1.066
	SKEWNESS	0.137	0.045	0.009	0.173	0.094	0.096	0.074	-0.153	0.597	-0.031
	KURTOSIS	1.447	1.110	1.039	1.488	1.150	1.300	1.108	1.328	0.870	1.249
FOLK AND WARD METHOD (Description)	MEAN:	Very Fine Gravel	Very Fine Gravel	Very Coarse Sand	Very Fine Gravel	Very Coarse Sand	Very Coarse Sand	Very Coarse Sand	Fine Sand	Coarse Sand	Fine Sand
	SORTING:	Moderately Sorted	Moderately Sorted	Moderately Sorted	Moderately Sorted	Moderately Sorted	Moderately Sorted	Moderately Sorted	Poorly Sorted	Very poorly sorted	Poorly Sorted
	SKEWNESS:	Fine Skewed	Symmetrical	Symmetrical	Fine Skewed	Symmetrical	Symmetrical	Symmetrical	Coarse Skewed	Very Fine Skewed	Symmetrical
	KURTOSIS:	Leptokurtic	Leptokurtic	Mesokurtic	Leptokurtic	Leptokurtic	Leptokurtic	Mesokurtic	Leptokurtic	Platykurtic	Leptokurtic
BULK GRAIN SIZE	% GRAVEL:	74.663	67.413	15.638	75.824	39.509	46.401	32.190	4.093	41.251	3.250
	% SAND:	24.653	32.014	83.149	23.628	60.095	51.687	66.661	91.142	49.013	91.863
	% MUD:	0.684	0.574	1.213	0.548	0.396	1.912	1.148	4.765	9.736	4.887
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000	0.000	1.615	0.000	0.000	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	4.268	1.733	0.000	2.897	1.234	0.915	0.293	0.000	0.000	1.161
	% FINE GRAVEL:	19.257	14.702	2.084	19.931	3.085	5.392	3.932	1.617	8.512	0.975
	% V FINE GRAVEL:	51.138	50.977	13.554	51.381	35.191	40.094	27.965	2.476	32.739	1.114
	% V COARSE SAND:	17.843	26.741	40.722	15.352	48.531	43.849	47.890	2.622	21.041	1.408
	% COARSE SAND:	4.181	3.859	34.651	5.787	9.499	5.695	15.536	9.244	2.927	7.689
	% MEDIUM SAND:	1.761	0.876	6.626	1.613	1.354	1.021	2.347	27.005	6.694	32.510
	% FINE SAND:	0.526	0.290	0.604	0.537	0.456	0.602	0.488	37.433	11.202	38.124
	% V FINE SAND:	0.342	0.247	0.547	0.338	0.256	0.520	0.400	14.838	7.148	12.132
	% V COARSE SILT:	0.213	0.190	0.195	0.183	0.109	0.482	0.281	1.260	3.089	1.271
	% COARSE SILT:	0.193	0.167	0.382	0.155	0.113	0.544	0.318	1.598	2.654	1.592
	% MEDIUM SILT:	0.148	0.118	0.378	0.114	0.097	0.451	0.281	1.016	2.011	1.040
% FINE SILT:	0.112	0.088	0.258	0.091	0.075	0.342	0.252	0.789	1.499	0.869	
% V FINE SILT:	0.018	0.010	0.000	0.005	0.002	0.093	0.016	0.102	0.483	0.115	
% CLAY:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	

SAMPLE	PARAMETER	Barra S7-G4	Barra S7-G5	Barra S7-G6	Barra S7-G7	Barra S7-G8	Barra S7-G9	Barra S8-G1	Barra S8-G2	Barra S8-G3	Barra S8-G4
SAMPLE TYPE:		Bimodal, Very poorly sorted	Trimodal, Very poorly sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Moderately Sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Gravelly Muddy Sand	Gravelly Sand	Gravelly Sand	Gravelly Sand	Gravelly Sand	Slightly Gravelly Sand	Sandy Gravel	Sandy Gravel	Gravelly Sand	Gravelly Sand
SEDIMENT NAME:		Very Fine Gravelly Very Coarse Silty Very Coarse Sand	Very Coarse Gravelly Medium Sand	Very Fine Gravelly Very Coarse Sand	Very Fine Gravelly Coarse Sand	Very Fine Gravelly Very Coarse Sand	Slightly Very Fine Gravelly Coarse Sand	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Very Fine Gravelly Very Coarse Sand	Very Fine Gravelly Very Coarse Sand
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	646.5	319.1	1040.5	895.0	1089.1	578.4	1567.2	1835.0	1320.5	1066.5
	MEAN GRAIN SIZE (µm)	586.99	686.78	964.29	883.41	1005.29	536.45	1415.53	1739.82	1307.18	1055.83
	SORTING	4.614	7.120	2.226	2.221	2.181	2.083	2.042	2.352	1.980	2.314
	SKEWNESS	-0.193	0.542	-0.197	-0.118	-0.240	-0.194	-0.175	-0.133	-0.012	-0.067
	KURTOSIS	0.879	1.435	1.219	1.238	1.257	1.167	1.019	0.984	1.356	1.479
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	0.629	1.648	-0.057	0.160	-0.123	0.790	-0.648	-0.876	-0.401	-0.093
	MEAN GRAIN SIZE (phi):	0.769	0.542	0.052	0.179	-0.008	0.898	-0.501	-0.799	-0.386	-0.078
	SORTING	2.206	2.832	1.154	1.151	1.125	1.058	1.030	1.234	0.985	1.211
	SKEWNESS	0.193	-0.542	0.197	0.118	0.240	0.194	0.175	0.133	0.012	0.067
	KURTOSIS	0.879	1.435	1.219	1.238	1.257	1.167	1.019	0.984	1.356	1.479
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Sand	Coarse Sand	Coarse Sand	Coarse Sand	Very Coarse Sand	Coarse Sand	Very Coarse Sand	Very Coarse Sand	Very Coarse Sand	Very Coarse Sand
	SORTING:	Very poorly sorted	Very poorly sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Moderately Sorted
	SKEWNESS:	Fine Skewed	Very Coarse Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Symmetrical
	KURTOSIS:	Platykurtic	Leptokurtic	Leptokurtic	Leptokurtic	Leptokurtic	Leptokurtic	Mesokurtic	Mesokurtic	Leptokurtic	Leptokurtic
BULK GRAIN SIZE	% GRAVEL:	23.766	23.405	14.378	11.201	14.024	2.402	33.886	45.934	23.239	17.347
	% SAND:	67.912	71.834	83.271	85.979	83.386	95.104	65.957	53.095	76.266	80.161
	% MUD:	8.322	4.761	2.351	2.820	2.590	2.494	0.157	0.970	0.496	2.492
	% V COARSE GRAVEL:	0.000	13.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	1.149	0.000	0.000	0.000	0.000	0.000	0.000	1.494	0.000
	% MEDIUM GRAVEL:	0.000	1.347	0.000	2.087	0.000	0.000	2.082	2.187	0.000	2.216
	% FINE GRAVEL:	4.478	4.590	2.253	0.776	1.532	0.323	3.892	14.115	4.293	3.473
	% V FINE GRAVEL:	19.288	3.315	12.125	8.338	12.492	2.079	27.911	29.632	17.452	11.658
	% V COARSE SAND:	22.748	1.884	38.255	32.451	41.839	14.437	37.098	29.645	49.647	37.159
	% COARSE SAND:	6.240	8.631	28.980	36.233	27.512	42.031	20.790	15.482	18.912	30.921
	% MEDIUM SAND:	13.552	26.880	11.181	13.210	9.823	26.250	6.965	5.935	6.366	7.975
	% FINE SAND:	17.384	26.585	3.599	2.539	2.791	9.643	0.767	1.447	0.986	2.962
	% V FINE SAND:	7.989	7.854	1.256	1.546	1.421	2.743	0.338	0.587	0.354	1.144
	% V COARSE SILT:	2.472	1.172	0.642	0.833	0.777	0.655	0.011	0.268	0.081	0.642
	% COARSE SILT:	2.271	1.426	0.650	0.811	0.723	0.708	0.010	0.281	0.136	0.738
	% MEDIUM SILT:	1.778	1.070	0.556	0.647	0.574	0.586	0.066	0.235	0.138	0.608
% FINE SILT:	1.399	0.923	0.477	0.507	0.476	0.515	0.071	0.184	0.140	0.485	
% V FINE SILT:	0.400	0.169	0.025	0.022	0.040	0.030	0.000	0.002	0.000	0.018	
% CLAY:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

SAMPLE	PARAMETER	Barra S8-G5	Barra S8-G6	Barra S8-G7	Barra S8-G8	Barra S8-G9	Barra S9-G1	Barra S9-G2	Barra S9-G3	Barra S9-G4	Barra S9-G5
SAMPLE TYPE:		Unimodal, Poorly Sorted	Unimodal, Moderately Sorted	Trimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Moderately Sorted	Trimodal, Poorly Sorted	Unimodal, Moderately Sorted	Unimodal, Poorly Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Sorted
TEXTURAL GROUP:		Gravelly Sand	Slightly Gravelly Sand	Gravelly Sand	Gravelly Sand	Gravelly Sand	Sandy Gravel	Slightly Gravelly Sand	Sandy Gravel	Slightly Gravelly Sand	Slightly Gravelly Sand
SEDIMENT NAME:		Very Fine Gravelly Medium Sand	Slightly Very Fine Gravelly Medium Sand	Very Fine Gravelly Medium Sand	Very Fine Gravelly Coarse Sand	Very Fine Gravelly Coarse Sand	Sandy Very Fine Gravel	Slightly Very Fine Gravelly Medium Sand	Sandy Very Fine Gravel	Slightly Very Fine Gravelly Medium Sand	Slightly Very Fine Gravelly Medium Sand
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	326.3	321.6	437.6	1060.6	997.2	2507.1	298.1	2129.0	364.0	420.4
	MEAN GRAIN SIZE (µm)	365.68	323.79	578.39	1110.03	1022.70	2747.83	307.76	2359.76	362.31	412.27
	SORTING	2.554	1.866	3.115	2.231	1.955	3.237	1.861	2.034	1.754	1.694
	SKEWNESS	0.294	0.002	0.394	0.121	0.114	0.024	0.118	0.165	-0.021	-0.076
	KURTOSIS	1.372	1.031	1.334	1.255	1.109	1.297	1.017	1.171	0.990	0.928
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	1.616	1.636	1.192	-0.085	0.004	-1.326	1.746	-1.090	1.458	1.250
	MEAN GRAIN SIZE (phi):	1.451	1.627	0.790	-0.151	-0.032	-1.458	1.700	-1.239	1.465	1.278
	SORTING	1.353	0.900	1.639	1.158	0.967	1.695	0.896	1.025	0.811	0.760
	SKEWNESS	-0.294	-0.002	-0.394	-0.121	-0.114	-0.024	-0.118	-0.165	0.021	0.076
	KURTOSIS	1.372	1.031	1.334	1.255	1.109	1.297	1.017	1.171	0.990	0.928
FOLK AND WARD METHOD (Description)	MEAN:	Medium Sand	Medium Sand	Coarse Sand	Very Coarse Sand	Very Coarse Sand	Very Fine Gravel	Medium Sand	Very Fine Gravel	Medium Sand	Medium Sand
	SORTING:	Poorly Sorted	Moderately Sorted	Poorly Sorted	Poorly Sorted	Moderately Sorted	Poorly Sorted	Moderately Sorted	Poorly Sorted	Moderately Sorted	Moderately Sorted
	SKEWNESS:	Coarse Skewed	Symmetrical	Very Coarse Skewed	Coarse Skewed	Coarse Skewed	Symmetrical	Coarse Skewed	Coarse Skewed	Symmetrical	Symmetrical
	KURTOSIS:	Leptokurtic	Mesokurtic	Leptokurtic	Leptokurtic	Mesokurtic	Leptokurtic	Mesokurtic	Leptokurtic	Mesokurtic	Mesokurtic
BULK GRAIN SIZE	% GRAVEL:	9.198	1.503	16.137	19.639	14.763	59.387	2.102	53.658	0.894	0.685
	% SAND:	89.276	96.376	82.516	79.285	85.182	39.549	97.601	46.033	98.522	99.165
	% MUD:	1.527	2.121	1.347	1.075	0.055	1.064	0.298	0.310	0.584	0.149
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000	0.000	1.716	0.946	7.751	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	0.000	0.000	4.185	2.183	0.780	8.597	0.372	5.357	0.000	0.000
	% FINE GRAVEL:	4.049	0.326	3.413	3.641	2.988	17.055	0.558	15.357	0.112	0.289
	% V FINE GRAVEL:	5.148	1.177	8.539	12.099	10.049	25.984	1.172	32.944	0.782	0.397
	% V COARSE SAND:	5.086	1.630	6.285	33.857	35.053	24.945	2.604	40.298	1.080	0.577
	% COARSE SAND:	14.954	20.094	20.493	33.954	38.795	4.030	15.894	2.079	26.251	36.197
	% MEDIUM SAND:	35.952	43.099	36.286	9.119	9.978	6.463	41.061	2.167	46.646	45.008
	% FINE SAND:	28.491	27.527	17.883	1.849	0.977	3.425	33.398	1.227	27.736	16.298
	% V FINE SAND:	4.793	4.027	1.570	0.507	0.379	0.687	4.644	0.262	1.809	1.085
	% V COARSE SILT:	0.280	0.610	0.481	0.114	0.000	0.347	0.017	0.101	0.323	0.119
	% COARSE SILT:	0.580	0.668	0.323	0.330	0.000	0.301	0.251	0.085	0.122	0.002
% MEDIUM SILT:	0.360	0.444	0.295	0.369	0.013	0.228	0.021	0.065	0.118	0.029	
% FINE SILT:	0.306	0.399	0.248	0.262	0.042	0.168	0.008	0.056	0.021	0.000	
% V FINE SILT:	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.004	0.000	0.000	
% CLAY:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

SAMPLE	PARAMETER	Barra S9-G6	Barra S9-G7	Barra S9-G8	Barra S9-G9	Barra S9-G10	Barra S10-G1	Barra S10-G2	Barra S10-G3	Barra S10-G4	Barra S10-G5
SAMPLE TYPE:		Unimodal, Moderately Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Moderately Well Sorted	Unimodal, Moderately Sorted	Trimodal, Poorly Sorted	Unimodal, Moderately Well Sorted
TEXTURAL GROUP:		Slightly Gravelly Sand	Slightly Gravelly Sand	Slightly Gravelly Sand	Sandy Gravel	Sandy Gravel	Gravelly Sand	Slightly Gravelly Sand	Gravelly Sand	Sandy Gravel	Slightly Gravelly Sand
SEDIMENT NAME:		Slightly Very Fine Gravelly Medium Sand	Slightly Very Fine Gravelly Medium Sand	Slightly Very Fine Gravelly Medium Sand	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Very Fine Gravelly Coarse Sand	Slightly Very Fine Gravelly Coarse Sand	Fine Gravelly Coarse Sand	Sandy Very Fine Gravel	Slightly Very Fine Gravelly Coarse Sand
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	338.1	411.2	430.8	1631.5	1902.9	1106.0	650.6	657.5	1068.9	561.9
	MEAN GRAIN SIZE (µm)	342.89	404.80	425.97	1587.52	1647.24	1251.62	626.37	636.96	1323.08	549.14
	SORTING	1.740	1.771	1.685	2.223	2.605	2.546	1.600	1.752	2.498	1.525
	SKEWNESS	0.032	-0.067	-0.053	-0.091	-0.187	0.304	-0.030	0.118	0.336	-0.133
	KURTOSIS	0.969	0.892	0.874	1.124	0.796	1.245	1.274	1.701	0.857	0.876
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	1.564	1.282	1.215	-0.706	-0.928	-0.145	0.620	0.605	-0.096	0.832
	MEAN GRAIN SIZE (phi):	1.544	1.305	1.231	-0.667	-0.720	-0.324	0.675	0.651	-0.404	0.865
	SORTING	0.799	0.824	0.752	1.153	1.381	1.348	0.678	0.809	1.321	0.608
	SKEWNESS	-0.032	0.067	0.053	0.091	0.187	-0.304	0.030	-0.118	-0.336	0.133
	KURTOSIS	0.969	0.892	0.874	1.124	0.796	1.245	1.274	1.701	0.857	0.876
FOLK AND WARD METHOD (Description)	MEAN:	Medium Sand	Medium Sand	Medium Sand	Very Coarse Sand	Very Coarse Sand	Very Coarse Sand	Coarse Sand	Coarse Sand	Very Coarse Sand	Coarse Sand
	SORTING:	Moderately Sorted	Moderately Sorted	Moderately Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Moderately Well Sorted	Moderately Sorted	Poorly Sorted	Moderately Well Sorted
	SKEWNESS:	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Fine Skewed	Very Coarse Skewed	Symmetrical	Coarse Skewed	Very Coarse Skewed	Fine Skewed
	KURTOSIS:	Mesokurtic	Platykurtic	Platykurtic	Leptokurtic	Platykurtic	Leptokurtic	Leptokurtic	Very Leptokurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.609	0.491	0.426	38.901	48.659	26.335	4.363	6.522	34.703	1.284
	% SAND:	99.324	99.282	99.400	59.988	51.299	73.665	95.174	93.478	64.835	98.418
	% MUD:	0.067	0.227	0.174	1.111	0.042	0.000	0.463	0.000	0.462	0.298
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	2.260	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	0.000	0.000	0.000	1.391	2.718	3.475	1.391	0.603	4.359	0.406
	% FINE GRAVEL:	0.150	0.094	0.069	9.654	15.077	6.290	1.296	3.227	9.983	0.368
	% V FINE GRAVEL:	0.459	0.397	0.357	27.856	30.864	14.310	1.676	2.691	20.361	0.510
	% V COARSE SAND:	0.748	1.426	0.887	36.119	15.290	27.936	4.205	4.377	17.144	1.058
	% COARSE SAND:	23.169	35.575	38.351	16.192	23.425	35.536	64.558	63.078	38.618	57.862
	% MEDIUM SAND:	46.545	41.834	43.802	5.733	10.633	9.557	24.687	24.945	8.588	35.344
	% FINE SAND:	27.078	19.185	15.885	1.454	1.720	0.292	0.957	0.904	0.162	3.684
	% V FINE SAND:	1.783	1.261	0.474	0.490	0.232	0.344	0.767	0.173	0.323	0.469
	% V COARSE SILT:	0.018	0.158	0.091	0.343	0.002	0.000	0.076	0.000	0.092	0.176
	% COARSE SILT:	0.026	0.053	0.001	0.317	0.000	0.000	0.000	0.000	0.122	0.000
	% MEDIUM SILT:	0.014	0.014	0.064	0.263	0.040	0.000	0.334	0.000	0.216	0.111
% FINE SILT:	0.009	0.002	0.019	0.185	0.001	0.000	0.053	0.000	0.032	0.011	
% V FINE SILT:	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	
% CLAY:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

SAMPLE	PARAMETER	Barra S10-G6	Barra S10-G7	Barra S10-G8	Barra S10-G9	Barra S10-G10	Barra S11-G1	Barra S11-G2	Barra S11-G3	Barra S11-G4	Barra S11-G5
SAMPLE TYPE:		Unimodal, Moderately Sorted	Unimodal, Moderately Well Sorted	Unimodal, Moderately Well Sorted	Unimodal, Moderately Well Sorted	Bimodal, Poorly Sorted	Bimodal, Very poorly sorted	Trimodal, Very poorly sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Very poorly sorted
TEXTURAL GROUP:		Gravelly Sand	Gravelly Sand	Slightly Gravelly Sand	Slightly Gravelly Sand	Gravelly Sand	Slightly Gravelly Muddy Sand	Gravelly Muddy Sand	Slightly Gravelly Muddy Sand	Slightly Gravelly Muddy Sand	Slightly Gravelly Muddy Sand
SEDIMENT NAME:		Very Fine Gravelly Coarse Sand	Very Fine Gravelly Coarse Sand	Slightly Very Fine Gravelly Coarse Sand	Slightly Very Fine Gravelly Coarse Sand	Coarse Gravelly Coarse Sand	Slightly Very Fine Gravelly Medium Silty Fine Sand	Medium Gravelly Medium Silty Medium Sand	Slightly Very Fine Gravelly Coarse Silty Medium Sand	Slightly Very Fine Gravelly Coarse Silty Fine Sand	Slightly Very Fine Gravelly Medium Silty Fine Sand
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	734.4	710.7	720.0	670.9	897.7	234.7	290.1	270.7	179.3	203.0
	MEAN GRAIN SIZE (µm)	735.32	684.77	699.09	652.02	1743.03	210.00	312.98	252.51	125.45	132.86
	SORTING	1.897	1.614	1.427	1.500	3.995	4.201	5.781	3.743	3.860	4.744
	SKEWNESS	0.256	0.058	-0.070	-0.049	0.587	-0.199	0.024	-0.190	-0.422	-0.383
	KURTOSIS	2.178	1.410	1.107	1.043	0.870	1.767	1.856	1.722	1.563	1.564
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	0.445	0.493	0.474	0.576	0.156	2.091	1.785	1.885	2.480	2.300
	MEAN GRAIN SIZE (phi):	0.444	0.546	0.516	0.617	-0.802	2.252	1.676	1.986	2.995	2.912
	SORTING	0.924	0.690	0.513	0.585	1.998	2.071	2.531	1.904	1.949	2.246
	SKEWNESS	-0.256	-0.058	0.070	0.049	-0.587	0.199	-0.024	0.190	0.422	0.383
	KURTOSIS	2.178	1.410	1.107	1.043	0.870	1.767	1.856	1.722	1.563	1.564
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Sand	Coarse Sand	Coarse Sand	Coarse Sand	Very Coarse Sand	Fine Sand	Medium Sand	Medium Sand	Fine Sand	Fine Sand
	SORTING:	Moderately Sorted	Moderately Well Sorted	Moderately Well Sorted	Moderately Well Sorted	Poorly Sorted	Very poorly sorted	Very poorly sorted	Poorly Sorted	Poorly Sorted	Very poorly sorted
	SKEWNESS:	Coarse Skewed	Symmetrical	Symmetrical	Symmetrical	Very Coarse Skewed	Fine Skewed	Symmetrical	Fine Skewed	Very Fine Skewed	Very Fine Skewed
	KURTOSIS:	Very Leptokurtic	Leptokurtic	Mesokurtic	Mesokurtic	Platykurtic	Very Leptokurtic	Very Leptokurtic	Very Leptokurtic	Very Leptokurtic	Very Leptokurtic
BULK GRAIN SIZE	% GRAVEL:	10.643	5.804	2.616	1.545	29.796	4.087	11.749	4.026	0.191	1.333
	% SAND:	89.326	94.140	97.384	98.455	69.789	79.793	73.545	81.890	79.357	77.311
	% MUD:	0.030	0.056	0.000	0.000	0.416	16.120	14.705	14.084	20.451	21.356
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	1.229	0.000	0.000	0.000	10.543	0.000	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	2.786	0.742	0.448	0.000	9.477	0.000	5.059	0.000	0.000	0.000
	% FINE GRAVEL:	3.278	1.393	0.700	0.314	4.791	0.497	2.108	0.616	0.056	0.000
	% V FINE GRAVEL:	3.350	3.669	1.469	1.231	4.985	3.589	4.582	3.411	0.135	1.333
	% V COARSE SAND:	7.007	9.606	7.430	9.921	13.088	7.808	7.243	6.567	1.441	4.674
	% COARSE SAND:	64.834	64.282	73.822	64.973	41.961	9.146	11.738	13.894	7.417	9.269
	% MEDIUM SAND:	16.985	19.759	16.106	23.207	13.670	26.150	25.211	29.115	24.166	25.419
	% FINE SAND:	0.195	0.317	0.026	0.355	0.486	27.404	22.589	24.993	32.885	27.830
	% V FINE SAND:	0.306	0.176	0.000	0.000	0.584	9.285	6.766	7.321	13.448	10.119
	% V COARSE SILT:	0.000	0.000	0.000	0.000	0.033	2.550	2.469	2.552	3.769	3.437
	% COARSE SILT:	0.004	0.000	0.000	0.000	0.104	3.875	3.736	3.800	5.304	5.037
	% MEDIUM SILT:	0.026	0.032	0.000	0.000	0.243	4.184	3.808	3.602	5.197	5.551
	% FINE SILT:	0.000	0.024	0.000	0.000	0.037	3.922	3.385	3.052	4.418	5.117
% V FINE SILT:	0.000	0.000	0.000	0.000	0.000	1.558	1.287	1.077	1.728	2.123	
% CLAY:	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.020	0.001	0.036	0.091

SAMPLE	PARAMETER	Barra S11-G6	Barra S11-G7	Barra S11-G8	Barra S11-G9	Barra S11-G10	Barra Z1	Barra Z2	Barra Z3	Barra Z4	Barra Z5
SAMPLE TYPE:		Trimodal, Very poorly sorted	Trimodal, Very poorly sorted	Trimodal, Very poorly sorted	Trimodal, Very poorly sorted	Bimodal, Very poorly sorted	Bimodal, Poorly Sorted	Unimodal, Moderately Well Sorted	Unimodal, Poorly Sorted	Unimodal, Moderately Sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Slightly Gravelly Muddy Sand	Slightly Gravelly Muddy Sand	Gravelly Muddy Sand	Slightly Gravelly Muddy Sand	Slightly Gravelly Muddy Sand	Sandy Gravel	Sandy Gravel	Sandy Gravel	Sandy Gravel	Sandy Gravel
SEDIMENT NAME:		Slightly Very Fine Gravelly Medium Silty Fine Sand	Slightly Very Fine Gravelly Medium Silty Fine Sand	Very Fine Gravelly Medium Silty Medium Sand	Slightly Very Fine Gravelly Medium Silty Fine Sand	Slightly Very Fine Gravelly Medium Silty Fine Sand	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel	Sandy Very Fine Gravel
FOLK AND WARD METHOD (µm)	MEDIAN GRAIN SIZE D ₅₀ (µm)	204.5	212.8	295.2	198.7	205.6	1806.4	2614.1	1820.7	1759.3	1575.8
	MEAN GRAIN SIZE (µm)	181.63	171.61	238.02	130.62	147.36	1872.52	2612.47	1737.86	1617.79	1376.90
	SORTING	5.890	4.699	7.229	5.887	4.933	2.438	1.598	2.311	1.996	2.837
	SKEWNESS	-0.155	-0.227	-0.194	-0.303	-0.286	0.105	0.035	-0.126	-0.215	-0.238
	KURTOSIS	1.464	1.675	1.144	1.120	1.601	1.339	1.127	1.025	1.121	2.106
FOLK AND WARD METHOD (phi)	MEDIAN GRAIN SIZE D ₅₀ (phi):	2.290	2.233	1.760	2.332	2.282	-0.853	-1.386	-0.864	-0.815	-0.656
	MEAN GRAIN SIZE (phi):	2.461	2.543	2.071	2.937	2.763	-0.905	-1.385	-0.797	-0.694	-0.461
	SORTING	2.558	2.232	2.854	2.558	2.302	1.286	0.676	1.208	0.997	1.505
	SKEWNESS	0.155	0.227	0.194	0.303	0.286	-0.105	-0.035	0.126	0.215	0.238
	KURTOSIS	1.464	1.675	1.144	1.120	1.601	1.339	1.127	1.025	1.121	2.106
FOLK AND WARD METHOD (Description)	MEAN:	Fine Sand	Fine Sand	Fine Sand	Fine Sand	Fine Sand	Very Coarse Sand	Very Fine Gravel	Very Coarse Sand	Very Coarse Sand	Very Coarse Sand
	SORTING:	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Very poorly sorted	Poorly Sorted	Moderately Well Sorted	Poorly Sorted	Moderately Sorted	Poorly Sorted
	SKEWNESS:	Fine Skewed	Fine Skewed	Fine Skewed	Very Fine Skewed	Fine Skewed	Coarse Skewed	Symmetrical	Fine Skewed	Fine Skewed	Fine Skewed
	KURTOSIS:	Leptokurtic	Very Leptokurtic	Leptokurtic	Leptokurtic	Very Leptokurtic	Leptokurtic	Leptokurtic	Mesokurtic	Leptokurtic	Very Leptokurtic
BULK GRAIN SIZE	% GRAVEL:	4.701	4.301	12.718	3.287	4.097	44.387	74.748	45.196	42.105	31.623
	% SAND:	75.088	77.478	66.686	70.525	75.350	54.683	24.923	53.570	57.027	65.303
	% MUD:	20.211	18.221	20.596	26.189	20.553	0.931	0.329	1.235	0.868	3.073
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.000	3.439
	% MEDIUM GRAVEL:	0.000	0.000	0.000	0.000	0.000	6.226	0.864	0.000	0.513	1.395
	% FINE GRAVEL:	0.517	1.064	2.733	0.802	1.266	10.472	15.769	15.970	5.278	5.149
	% V FINE GRAVEL:	4.184	3.237	9.985	2.485	2.797	27.689	58.115	29.226	36.314	21.639
	% V COARSE SAND:	12.199	6.784	11.750	7.796	4.673	36.399	23.606	31.250	36.365	45.401
	% COARSE SAND:	6.739	8.543	12.180	9.325	9.218	13.344	0.432	15.066	14.579	8.210
	% MEDIUM SAND:	18.328	23.210	17.893	21.192	23.629	3.070	0.311	5.758	4.625	5.234
	% FINE SAND:	26.468	28.235	17.360	22.948	27.181	1.262	0.337	0.905	0.997	4.454
	% V FINE SAND:	11.355	10.705	7.502	9.264	10.649	0.607	0.236	0.590	0.461	2.004
	% V COARSE SILT:	3.456	3.143	3.731	4.702	3.716	0.268	0.135	0.326	0.235	0.999
	% COARSE SILT:	5.022	4.592	5.001	6.526	5.218	0.266	0.086	0.352	0.245	0.910
	% MEDIUM SILT:	5.255	4.742	5.138	6.625	5.260	0.221	0.056	0.294	0.202	0.628
% FINE SILT:	4.658	4.145	4.657	5.841	4.583	0.165	0.041	0.241	0.184	0.449	
% V FINE SILT:	1.791	1.578	1.978	2.399	1.752	0.011	0.010	0.023	0.002	0.088	
% CLAY:	0.028	0.022	0.091	0.096	0.024	0.000	0.000	0.000	0.000	0.000	

ANNEX 3: SPECIES DATA – LOCH CARRON

Taxa	LC-G1	LC-G2	LC-G3	LC-G4	LC-G5	LC-G6	LC-G7	LC-G8	LC-G9	LC-G10	LC-G11	LC-G12	LC-G13	LC-G14	LC-G15	LC-G16
<i>Asciidiella aspersa</i>	7	10	2				1			2						
<i>Asciidiella scabra</i>				2										1		
<i>Corella parallelogramma</i>								3								
<i>Molgula</i> sp.						3										
<i>Cnemidocarpa mollis</i>					8											
<i>Asciidiacea</i> sp.													2			
<i>Asciidiacea</i> sp. (juvenile)				4												
<i>Edwardsia claparedii</i>		1					1	5	2					3	2	
<i>Edwardsia</i> sp.																1
<i>Edwardsiidae</i> sp.					5					6						
<i>Virgularia mirabilis</i>		1														
<i>Cerianthus lloydii</i>					4		5	2		2				1		
<i>Campanulariidae</i> sp.					p											
<i>Nemertesia</i> sp.								p								
<i>Sycon ciliatum</i>	p		2	7									1			
<i>Cliona celata</i>												p				
<i>Suberites domuncula</i>									p							
<i>Porifera</i> spp.		p														p
<i>Nematoda</i> spp.	18	2	3	1	2	1			1	3	1	11	2	1		1
<i>Nemertea</i> spp.	6	3	3		8	4			1	2	3	4	1	1	1	3
<i>Phoronis</i> sp.				1						2				2		
<i>Phoronida</i> sp.					9			1								
<i>Platyhelminthes</i> sp.		1														
<i>Grania</i> sp.												1		1		
<i>Euphrosine borealis</i>			1		1											
<i>Thalassema thalassema</i>						1										
<i>Protodorvillea kefersteini</i>						1						1				
<i>Lysidice unicornis</i>					1					1		1	1			
<i>Abyssoninoe</i> sp.									2							
<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i>)	6	5		2	7	2	4	1		9	20	13	6	12	8	17
<i>Arabella iricolor</i>			1		1							1				
<i>Notocirrus scoticus</i>														1		
<i>Aponuphis bilineata</i>		2			2					1					1	
<i>Hyalinoecia tubicola</i>							1									
<i>Nothria conchylega</i>					1											
<i>Aphrodita aculeata</i>															1	
<i>Glyceria alba</i>														1		
<i>Glyceria capitata</i>														1		
<i>Glyceria lapidum</i> agg.	2	3	5	2	1		1	1		1		1				1
<i>Glyceria</i> sp. (juvenile)		2														
<i>Glycinde nordmanni</i>	1			1	3							3	1	4		2
<i>Goniada maculata</i>										1	1					
<i>Kefersteinia cirrhata</i>		6	1	2												3
<i>Nereimyra punctata</i>	15	20	9	11	1		1	1					2		3	
<i>Podarkeopsis capensis</i>																1
<i>Psamathe fusca</i>	2				1		1				1					
<i>Syllidia armata</i>													1			
<i>Hesionidae</i> sp. (juvenile/damaged)													1			

Taxa	LC-G1	LC-G2	LC-G3	LC-G4	LC-G5	LC-G6	LC-G7	LC-G8	LC-G9	LC-G10	LC-G11	LC-G12	LC-G13	LC-G14	LC-G15	LC-G16
<i>Nephtys hombergii</i>																1
<i>Nephtys kersivalensis</i>				1					1	1				1		
<i>Nereis pelagica</i>																1
<i>Nereis zonata</i>	1															
<i>Platynereis dumerilii</i>									2							
<i>Pholoe inornata</i>	8	9	13	14	11		4	5		4	3	5	5			5
<i>Eteone flava/longa</i> agg.	2	1	2		1	1	1		2			3				1
<i>Eulalia bilineata</i>		1											1			1
<i>Eulalia viridis</i>				1	1								2			
<i>Eumida bahusiensis</i>	8	4							1							
<i>Eumida sanguinea</i>			2	9	6	2	4					1				
<i>Mysta picta</i>													1			
<i>Nereiphylla rubiginosa</i>	1															
<i>Notophyllum foliosum</i>		1											2			
<i>Acanthiolepis asperrima</i>	1						1									
<i>Harmothoe fragilis</i>						1										
<i>Harmothoe impar</i>	5	7	4	2			3						1			1
<i>Lepidonotus squamatus</i>	2	3	4	2	3			2								
<i>Harmothoe glabra</i>		2														
<i>Malmgrenia marphysae</i>		1										1				
<i>Sthenelais boa</i>													1			1
<i>Sthenelais limicola</i>					2		1									
<i>Sigalionidae</i> sp.		1							1							
<i>Ephesiella abyssorum</i>	1		2							1						
<i>Sphaerodorum gracilis</i>												2		1		
<i>Exogone naidina</i>	1															
<i>Exogone verugera</i>			1		1											
<i>Myrianida</i> sp.		3		2												
<i>Sphaerosyllis taylori</i>	1	1										1				
<i>Syllis amica</i>			1	1									1			1
<i>Syllis armillaris</i>		2				1										
<i>Eusyllinae</i> sp.	1															
<i>Galathowenia oculata</i>					2			2		2						
<i>Myriochele danielsseni</i>					7			1								
<i>Owenia fusiformis</i>		8		2	20	2	8	1	2	6	8	6	10	9	4	10
<i>Bispira viola</i>													2			
<i>Branchiomma bombyx</i>			1	4			1									
<i>Jasmineira caudata</i>				1												
<i>Jasmineira elegans</i>	100	34	36	30										3		
<i>Sabellidae</i> spp. (damaged)					7	1	1	3			2	2			1	2
<i>Apomatus similis</i>													1			
<i>Hydroides norvegica</i>	p	3		2	2		1	3	1				2		1	3
<i>Spirobranchus lamarcki</i>		1														
<i>Spirobranchus triquetter</i>	1	3			3		2	2		1	1		11			1
<i>Serpulidae</i> sp. (damaged)												1				
<i>Spirorbinae</i> sp. (juvenile)			1													
<i>Magelona</i> sp. (damaged)											1					
<i>Magelona</i> sp. (juvenile)										2						
<i>Aonides oxycephala</i>	7															
<i>Dipolydora caulleryi</i>	1															

Taxa	LC-G1	LC-G2	LC-G3	LC-G4	LC-G5	LC-G6	LC-G7	LC-G8	LC-G9	LC-G10	LC-G11	LC-G12	LC-G13	LC-G14	LC-G15	LC-G16
<i>Dipolydora coeca</i> agg.				1		1				3			2			2
<i>Malacoceros</i> sp. (damaged)																1
<i>Prionospio cirrifera</i>	35	4	8							3						
<i>Spio</i> sp. (damaged)			1						1							
<i>Spiophanes bombyx</i>		1														
<i>Spiophanes kroyeri</i>		1		1	4	1	2					1				
<i>Macrochaeta</i> sp.	1									3	1	1				
<i>Ampharete lindstroemi</i>	4	8			2	2	2	2		4						
<i>Ampharete</i> sp. (damaged)																1
<i>Ampharete</i> sp. (juvenile)			1	1										1		
<i>Amphicteis gunneri</i>															1	
<i>Amphicteis</i> sp. (damaged)							1									
<i>Sosane sulcata</i>								2			1					
<i>Aphelochaeta</i> sp.					2	1							2	1		
<i>Caulerliella alata</i>		1		1												
<i>Chaetozone zetlandica</i>					1					7	11	7		5		4
<i>Chaetozone</i> sp. (damaged)													1			
<i>Cirratulus cirratus</i>		3	1	2	5		1	2								
<i>Cirratulus</i> sp. A	17															
<i>Cirriformia tentaculata</i>		1														1
<i>Kirkegaardia dorsobranchialis</i>										2	1					
<i>Cirratulidae</i> sp. (juvenile)										1						
<i>Diplocirrus glaucus</i>					1			1		1		2				
<i>Flabelligera affinis</i>	16	6	12	7												
<i>Pectinaria (Amphictene) auricoma</i>		1			5			1	1		1				2	7
<i>Petta pusilla</i>							1									
<i>Amphitrite cirrata</i>								1	1	1						
<i>Eupolymnia nebulosa</i>								2								
<i>Lanice conchilega</i>				1									1			
<i>Pista mediterranea</i>											1					
<i>Polycirrus</i> sp.	41	11	9	16	8	3	4	2		2		1	1			5
<i>Terebellidae</i> sp. (juvenile)			4													
<i>Terebellides stroemii</i>			2	1	1									1		2
<i>Trichobranchus glacialis</i>		2														
<i>Trichobranchus roseus</i>			1	4												
<i>Mediomastus fragilis</i>	5	2	1	2	15	1				13		10		4		7
<i>Notomastus</i> sp.	7		1		2					2	1	3		1	1	
<i>Capitellidae</i> sp. (juvenile)										1				1		
<i>Euclymene droebachiensis</i>										1						
<i>Euclymene</i> sp. (juvenile)										1						
<i>Maldanidae</i> spp. (damaged)						1				1		2		1		
<i>Polyophthalmus pictus</i>			2													
<i>Paradoneis lyra</i>				1	1							1	1			
<i>Paraonides</i> sp.	4															
<i>Paraonidae</i> sp. (damaged)		1														
<i>Polyphysia crassa</i>	1															
<i>Scalibregma celticum</i>	1								1	1						
<i>Scalibregma inflatum</i>			1													
<i>Austrominius modestus</i> (juvenile)					7											
<i>Balanus balanus</i>	118	35	12	14	2	2			4			1	2	3	2	

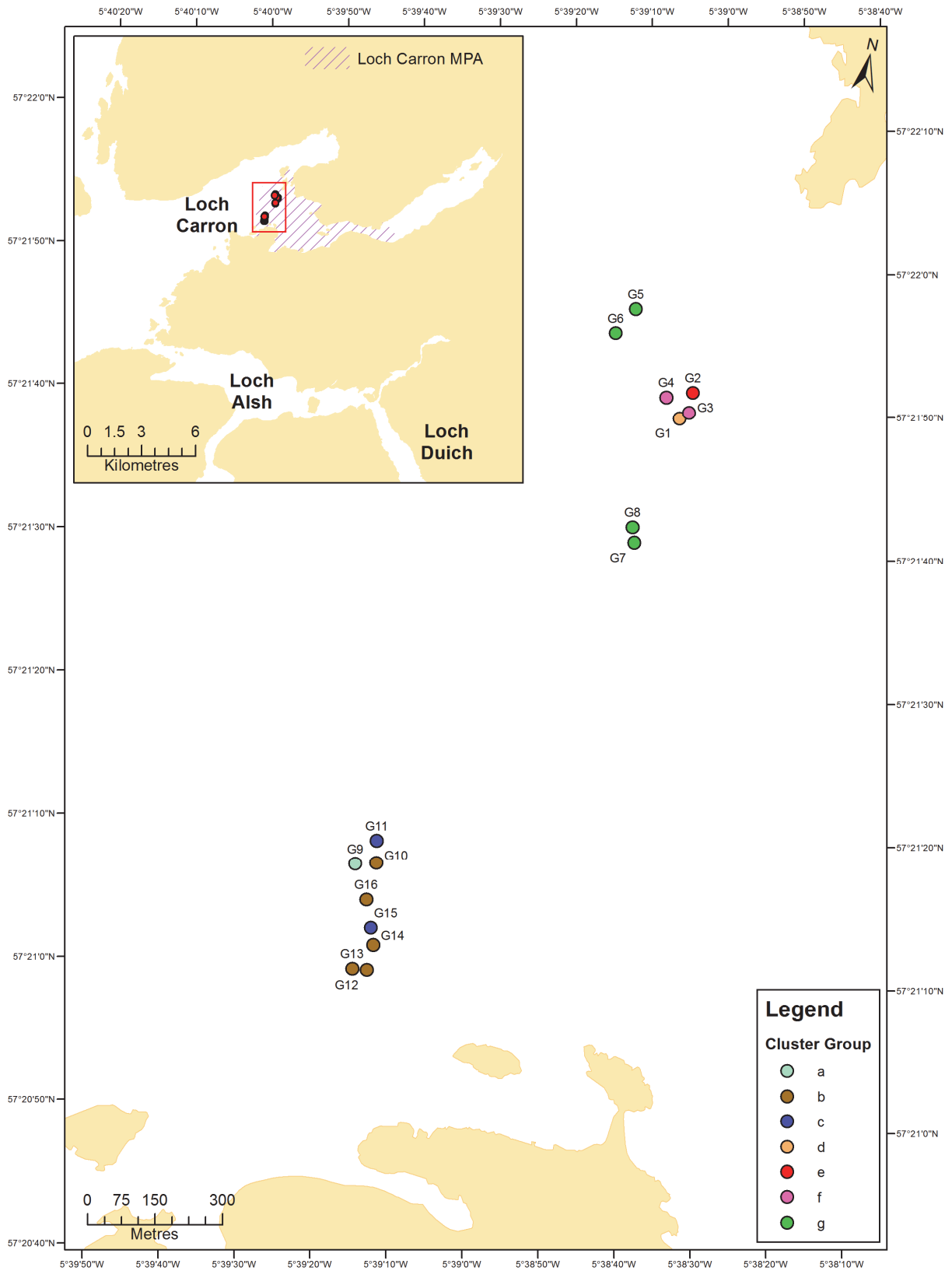
Taxa	LC-G1	LC-G2	LC-G3	LC-G4	LC-G5	LC-G6	LC-G7	LC-G8	LC-G9	LC-G10	LC-G11	LC-G12	LC-G13	LC-G14	LC-G15	LC-G16
<i>Verruca stroemia</i>	2											1	10	15		2
<i>Cirripecta</i> sp. (damaged)																1
<i>Cirripecta</i> sp. (juvenile)												6				
Copepoda spp.	4									2		1	1	1		1
<i>Ampelisca spinipes</i>								3								
<i>Ampelisca tenuicornis</i>	1	3	2	3	9	1	10	3				1		1		2
<i>Ampelisca</i> sp. (damaged)										1				1		
<i>Nototropis vedlomensis</i>				1	2	1				2	1				2	2
<i>Phtisica marina</i>		1				1	4	14								
<i>Pseudoprotella phasma</i>				1			1	3								
<i>Cheirocratus intermedius</i>					1											
<i>Cressa dubia</i>					1											
<i>Isaeidae</i> sp. (damaged)	1															
<i>Erichthonius brasiliensis</i>		5														
<i>Leucothoe spinicarpa</i>			1													
<i>Lepidepecreum longicornis</i>											1					
<i>Lysianassa plumosa</i>					1							2	1		2	1
<i>Lysianassa</i> sp. (damaged)										1						
<i>Nannonyx goesii</i>		21														
<i>Othomaera othonis</i>														1		
<i>Abudomedita obtusata</i>												2				
<i>Urothoe marina</i>			1													
<i>Amphipoda</i> sp. (damaged)													1			
<i>Bodotria</i> sp. (damaged)												2				
<i>Iphinoe serrata</i>												2				
<i>Vaunthompsonia cristata</i>																1
<i>Campylaspis</i> sp. (damaged)										1						
<i>Nannastacus brevicaudatus</i>	1															
<i>Cumacea</i> sp. (damaged)										1	1			1		
<i>Pisinae</i> sp. (juvenile)		1														
<i>Eurynome aspera</i>			1	2												
<i>Eurynome spinosa</i>									1							
<i>Hyas coarctatus</i>								1								
<i>Paguridae</i> sp.											3				2	
<i>Decapoda</i> sp. (zoea larvae)													1			
<i>Astacilla longicornis</i>								1								
<i>Gnathia oxyuraea</i>					1									1		
<i>Gnathia</i> sp. (female)															1	
<i>Mysidae</i> sp. (damaged)					1											
<i>Akanthophoreus gracilis</i>					1								2			2
<i>Pseudoparatanaeis batei</i>			1			1						1				
<i>Tanaopsis graciloides</i>										1	1					
Ostracoda spp.	4				2					5		8		1		4
<i>Callipallene spectrum</i>					1											
<i>Nymphon</i> sp. (damaged)						1										
<i>Pycnogonida</i> sp. (damaged)	1											1				
<i>Smittoidea</i> sp.									p							
<i>Asterias rubens</i>		1							1							
<i>Echinus esculentus</i>				1	1											
<i>Strongylocentrotus droebachiensis</i>													1		1	1

Taxa	LC-G1	LC-G2	LC-G3	LC-G4	LC-G5	LC-G6	LC-G7	LC-G8	LC-G9	LC-G10	LC-G11	LC-G12	LC-G13	LC-G14	LC-G15	LC-G16
<i>Strongylocentrotus pallidus</i>							3									
<i>Strongylocentrotus</i> sp. (juvenile)								1								
<i>Echinocyamus pusillus</i>		1			2					1						
<i>Leptosynapta inhaerens</i>		1			9											
<i>Leptosynapta</i> sp. (juvenile/damaged)		7														
<i>Leptopentacta elongata</i>										1						
<i>Thyone fusus</i>	2	1			1								1			
<i>Amphipholis squamata</i>	5	7		2					1				7			
<i>Amphiura chiajei</i>						1				3						1
<i>Amphiura filiformis</i>					4							6			2	6
<i>Amphiuridae</i> sp. (damaged)														5		
<i>Ophiopholis aculeata</i>							1									
<i>Ophiocomina nigra</i>								1								
<i>Ophiothrix fragilis</i>								1					1			
<i>Ophiothrix luetkeni</i>							3									
<i>Ophiocten affinis</i>											1					
<i>Ophiura albida</i>								1	2	5	3	8	1	3	3	4
<i>Ophiura sarsii</i>					2											
<i>Ophiuroidea</i> sp. (juvenile)			6													
<i>Hiatella arctica</i>	25	14	11	11	2		1	3	4	7	6	5	10	3	7	10
<i>Hiatella rugosa</i>	1				1											
<i>Ensis</i> sp. (damaged)		2														
<i>Phaxas pellucidus</i>										1						
<i>Parvicardium pinnulatum</i>	6	2	5	5	1		2		2	2			4	1		
<i>Abra alba</i>				2	1				1			1	1			1
<i>Astarte sulcata</i>														1		
<i>Limaria hians</i>	26	7	18	8						1						
<i>Limaria</i> sp. (juvenile)		3	1	1												
<i>Lucinoma borealis</i>							1		1					1		
<i>Myrtea spinifera</i>										2	2		7		2	2
<i>Thyasira flexuosa</i>									1							
<i>Corbula gibba</i>												2	3	1		
<i>Mya arenaria</i>		3														
<i>Modiolula phaseolina</i>	76		20	10	1				1	2		1	1			1
<i>Musculus subpictus</i>	4	45		1						1			6	1	1	1
<i>Mytilidae</i> sp. (juvenile)							1									
<i>Mytiloidea</i> sp. (juvenile)		2														
<i>Ennucula tenuis</i>	5						1		8						2	
<i>Nucula nitidosa</i>													1			
<i>Nucula nucleus</i>	1			2					10	19			13	20	7	21
<i>Anomia ephippium</i>	2	1		2			1	2					1	1		1
<i>Aequipecten opercularis</i>						1		1					1			
<i>Mimachlamys varia</i>					1						1					
<i>Palliolium incomparabile</i>						1	2									
<i>Palliolium tigerinum</i>		1														
<i>Chamelea striatula</i>										1	2	2			1	
<i>Dosinia exoleta</i>													2	3		
<i>Dosinia lupinus</i>									3		2	4				
<i>Dosinia</i> sp. (juvenile)		5														1
<i>Gouldia minima</i>	7	5	9	5	1			4	8	5		4		2		

Taxa	LC-G1	LC-G2	LC-G3	LC-G4	LC-G5	LC-G6	LC-G7	LC-G8	LC-G9	LC-G10	LC-G11	LC-G12	LC-G13	LC-G14	LC-G15	LC-G16
<i>Mysis undata</i>		1														
<i>Tapes</i> sp. (juvenile)		1														
<i>Timoclea ovata</i>	20	12	17	8		1	3	7	9	8	11	28	5	14	1	12
<i>Kurtiella bidentata</i>		2					1		5	9		8	7	7	3	22
<i>Kurtiella</i> sp. (juvenile)				2												
<i>Cochlodesma praetenu</i>	1															
<i>Thracia villosiuscula</i>			2	2					1							1
<i>Chaetoderma nitidulum</i>												1				
<i>Turritella communis</i>			2	2	1				3	2	11	6	6	4	3	
<i>Retusa truncatula</i>			1													1
<i>Retusa</i> sp. (damaged)	2															
<i>Eulima glabra</i>							1									
<i>Alvania beanii</i>	10	3	3	1				1	2				2			
<i>Onoba semicostata</i>																1
<i>Rissoa parva</i>			1							2	1	9	4	3		
<i>Buccinidae</i> sp. (juvenile)													1			
<i>Mangelia costata</i>				1												
<i>Bela nebula</i>																1
<i>Tritia incrassata</i>			1						2							1
<i>Tritia reticulata</i>						1										
<i>Tritia</i> sp. (eggs)	p					p										
<i>Cuthona</i> sp.						2										
<i>Nudibranchia</i> eggs						p										
<i>Calliostoma zizyphinum</i>	1															
<i>Tectura virginea</i>		5							1				2			1
<i>Testudinalia testudinalis</i>								1		1						
<i>Brachystomia scalaris</i>	4	1	1													
<i>Odostomia</i>						2										
<i>Clelandella miliaris</i>			2					3	1				2	1		2
<i>Steromphala cineraria</i>					2		1		1			1	4	1		3
<i>Gibbula tumida</i>		1				1		2				3				
<i>Jujubinus montagui</i>				1						2			1	2		2
<i>Callochiton septemvalvis</i>								1	1	1						
<i>Stenosemus albus</i>															1	2
<i>Lepidochitona cinerea</i>																1
<i>Boreochiton ruber</i>									1							
<i>Leptochiton asellus</i>	5	26	6	13	13	9	15	17	4	5	1	2	7			8
<i>Leptochiton cancellatus</i>								4	2			1				
<i>Golfingia (Golfingia) elongata</i>	68														2	
<i>Golfingia (Golfingia) vulgaris</i>		2	19	11						4	1		2	1		1
<i>Nephasoma (Nephasoma) rimicola</i> (damaged)												1				
<i>Thysanocardia procera</i>					1											
<i>Phascolion (Phascolion) strombus</i>		2									1					
<i>Chorda filum</i>											p					
<i>Heterosiphonia plumosa</i>			p													
<i>Polysiphonia</i> spp.										p				p		p
<i>Lithothamnion</i> spp.		p							p	p				p	p	
<i>Phyllophora crista</i>										p						
<i>Plocamium cartilagineum</i>																p
<i>Rhodophyta</i> (foliose)									p							

Taxa	LC-G1	LC-G2	LC-G3	LC-G4	LC-G5	LC-G6	LC-G7	LC-G8	LC-G9	LC-G10	LC-G11	LC-G12	LC-G13	LC-G14	LC-G15	LC-G16
<i>Rhodophyta</i> (terete)													p	p		p
<i>Plantae</i> (indet. Filamentous algae)													p			p
<i>Plantae</i> (indet. Foliose algae)																p
Maerl (<i>Phymatolithon calcareum</i>)													p		p	

ANNEX 4: CLUSTER GROUPS FROM THE LOCH CARRON MPA SURVEY



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ANNEX 5: CHARACTERISTIC TAXA (FROM SIMPER) AND ENVIRONMENTAL DATA AT THE STATIONS WITHIN EACH CLUSTER GROUP

Station	Sediment Type	Group A			Depth (m CD)
		% Gravel	% Sand	% Mud	
LC-G9	Muddy Sandy Gravel	49.22	25.78	25.00	18.4
	Taxa	Abundance	Cum. %		
	<i>Nucula nucleus</i>	10	10		
	<i>Timoclea ovata</i>	9	19		
	<i>Ennucula tenuis</i>	8	28		
	<i>Gouldia minima</i>	8	36		
	<i>Kurtiella bidentata</i>	5	41		
	<i>Balanus balanus</i>	4	45		
	<i>Hiatella arctica</i>	4	49		
	<i>Leptochiton asellus</i>	4	53		
	<i>Dosinia lupinus</i>	3	56		
	<i>Turritella communis</i>	3	59		
	<i>Edwardsia claparedii</i>	2	61		
	<i>Abyssoninoe</i> sp.	2	63		
	<i>Platynereis dumerilii</i>	2	65		
	<i>Eteone flava/longa</i> agg.	2	67		
	<i>Owenia fusiformis</i>	2	69		
	<i>Ophiura albida</i>	2	71		
	<i>Parvicardium pinnulatum</i>	2	73		
	<i>Alvania beanii</i>	2	76		
	<i>Leptochiton cancellatus</i>	2	78		

Group B (Average similarity: 44.30%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
LC-G10	Gravelly Muddy Sand	9.64	56.13	34.23	17.4
LC-G12	Gravelly Muddy Sand	6.78	62.75	30.47	20.4
LC-G13	Slightly Gravelly Muddy Sand	3.69	56.42	39.88	24.4
LC-G14	Gravelly Muddy Sand	15.44	44.81	39.75	21.4
LC-G16	Muddy Sandy Gravel	45.72	31.40	22.88	22.4
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i>)	11.40	100	6.88	6.88
	<i>Timoclea ovata</i>	13.40	100	6.6	13.48
	<i>Kurtiella bidentata</i>	10.60	100	6.35	19.83
	<i>Owenia fusiformis</i>	8.20	100	6.16	25.99
	<i>Nucula nucleus</i>	14.60	80	5.63	31.63
	<i>Hiatella arctica</i>	7.00	100	5.12	36.75
	<i>Ophiura albida</i>	4.20	100	3.61	40.36
	<i>Mediomastus fragilis</i>	6.80	80	3.38	43.74
	<i>Chaetozone zetlandica</i>	4.60	80	3.1	46.84
	<i>Pholoe inornata</i>	3.80	80	2.85	49.69
	<i>Nematoda</i> spp.	3.60	100	2.69	52.38
	<i>Nemertea</i> spp.	2.20	100	2.69	55.07
	<i>Leptochiton asellus</i>	4.40	80	2.54	57.62
	<i>Turritella communis</i>	3.60	80	2.54	60.16
	<i>Copepoda</i> spp.	1.20	100	2.34	62.5
	<i>Rissoa parva</i>	3.60	80	2.31	64.81
	<i>Verruca stroemia</i>	5.60	80	2.16	66.96
	<i>Ostracoda</i> spp.	3.60	80	2.14	69.11
	<i>Glycinde nordmanni</i>	2.00	80	1.81	70.91
	<i>Jujubinus montagui</i>	1.40	80	1.7	72.61
	<i>Steromphala cineraria</i>	1.80	80	1.59	74.2
	<i>Golfingia</i> (<i>Golfingia</i>) <i>vulgaris</i>	1.60	80	1.5	75.7
	<i>Polycirrus</i> sp.	1.80	80	1.44	77.14
	<i>Musculus subpictus</i>	1.80	80	1.41	78.55
	<i>Modiolula phaseolina</i>	1.00	80	1.35	79.89
	<i>Gouldia minima</i>	2.20	60	1.16	81.05

Group C (Average similarity: 42.21%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
LC-G11	Gravelly Muddy Sand	19.02	58.83	22.14	14.4
LC-G15	Muddy Sandy Gravel	69.60	15.21	15.19	22.4
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i>)	14	100	13.75	13.75
	<i>Hiatella arctica</i>	6.5	100	11.91	25.66
	<i>Owenia fusiformis</i>	6	100	9.72	35.38
	<i>Ophiura albida</i>	3	100	8.42	43.8
	<i>Turritella communis</i>	7	100	8.42	52.22
	<i>Paguridae</i> sp.	2.5	100	6.87	59.1
	<i>Myrtea spinifera</i>	2	100	6.87	65.97
	<i>Nemertea</i> spp.	2	100	4.86	70.83
	<i>Sabellidae</i> spp. (damaged)	1.5	100	4.86	75.69
	<i>Pectinaria (Amphictene) auricoma</i>	1.5	100	4.86	80.55
	<i>Notomastus</i> sp.	1	100	4.86	85.42
	<i>Nototropis vedlomensis</i>	1.5	100	4.86	90.28
	<i>Chamelea striatula</i>	1.5	100	4.86	95.14
	<i>Timoclea ovata</i>	6	100	4.86	100

Group D					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
LC-G1	Gravel	97.12	1.35	1.53	17.6
	Taxa	Abundance	Cum. %		
	<i>Balanus balanus</i>	118	16		
	<i>Jasmineira elegans</i>	100	30		
	<i>Modiolula phaseolina</i>	76	40		
	<i>Golfingia (Golfingia) elongata</i>	68	49		
	<i>Polycirrus</i> sp.	41	55		
	<i>Prionospio cirrifer</i>	35	60		
	<i>Limaria hians</i>	26	63		
	<i>Hiatella arctica</i>	25	67		
	<i>Timoclea ovata</i>	20	69		
	<i>Nematoda</i> spp.	18	72		
	<i>Cirratulus</i> sp. A	17	74		
	<i>Flabelligera affinis</i>	16	76		
	<i>Nereimyra punctata</i>	15	78		
	<i>Alvania beanii</i>	10	80		
	<i>Pholoe inornata</i>	8	81		
	<i>Eumida bahusiensis</i>	8	82		
	<i>Asciidiella aspersa</i>	7	83		
	<i>Aonides oxycephala</i>	7	84		
	<i>Notomastus</i> sp.	7	85		
	<i>Gouldia minima</i>	7	86		
	<i>Nemertea</i> spp.	6	87		
	<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i>)	6	87		
	<i>Parvicardium pinnulatum</i>	6	88		
	<i>Harmothoe impar</i>	5	89		
	<i>Mediomastus fragilis</i>	5	90		
	<i>Amphipholis squamata</i>	5	90		

Group E					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
LC-G2	Gravelly Muddy Sand	9.21	78.08	12.71	17.8
	Taxa	Abundance	Cum. %		
	<i>Musculus subpictus</i>	45	11		
	<i>Balanus balanus</i>	35	19		
	<i>Jasmineira elegans</i>	34	27		
	<i>Leptochiton asellus</i>	26	34		
	<i>Nannonyx goesii</i>	21	39		
	<i>Nereimyra punctata</i>	20	44		
	<i>Hiatella arctica</i>	14	47		
	<i>Timoclea ovata</i>	12	50		
	<i>Polycirrus</i> sp.	11	52		
	<i>Asciidiella aspersa</i>	10	55		
	<i>Pholoe inornata</i>	9	57		
	<i>Owenia fusiformis</i>	8	59		
	<i>Ampharete lindstroemi</i>	8	61		
	<i>Harmothoe impar</i>	7	63		
	<i>Leptosynapta</i> sp. (juvenile/damaged)	7	64		
	<i>Amphipholis squamata</i>	7	66		
	<i>Limaria hians</i>	7	68		
	<i>Kefersteinia cirrhata</i>	6	69		
	<i>Flabelligera affinis</i>	6	70		
	<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i>)	5	72		
	<i>Erichthonius brasiliensis</i>	5	73		
	<i>Dosinia</i> sp. (juvenile)	5	74		
	<i>Gouldia minima</i>	5	75		
	<i>Tectura virginea</i>	5	76		
	<i>Eumida bahusiensis</i>	4	77		
	<i>Prionospio cirrifera</i>	4	78		

Group F (Average similarity: 61.73%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
LC-G3	Muddy Sandy Gravel	77.79	16.67	5.55	17.5
LC-G4	Gravelly Muddy Sand	13.66	74.77	11.57	18.4
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Jasmineira elegans</i>	33.00	100	8.19	8.19
	<i>Pholoe inornata</i>	13.50	100	5.39	13.58
	<i>Balanus balanus</i>	13.00	100	5.18	18.76
	<i>Hiatella arctica</i>	11.00	100	4.96	23.72
	<i>Golfingia (Golfingia) vulgaris</i>	15.00	100	4.96	28.68
	<i>Modiolula phaseolina</i>	15.00	100	4.73	33.41
	<i>Nereimyra punctata</i>	10.00	100	4.49	37.89
	<i>Polycirrus</i> sp.	12.50	100	4.49	42.38
	<i>Limaria hians</i>	13.00	100	4.23	46.61
	<i>Timoclea ovata</i>	12.50	100	4.23	50.84
	<i>Flabelligera affinis</i>	9.50	100	3.96	54.79
	<i>Leptochiton asellus</i>	9.50	100	3.66	58.45
	<i>Parvicardium pinnulatum</i>	5.00	100	3.34	61.8
	<i>Gouldia minima</i>	7	100	3.34	65.14
	<i>Sycon ciliatum</i>	4.5	100	2.11	67.26
	<i>Glycera lapidum</i> agg.	3.5	100	2.11	69.37
	<i>Eumida sanguinea</i>	5.5	100	2.11	71.48
	<i>Harmothoe impar</i>	3	100	2.11	73.6
	<i>Lepidonotus squamatus</i>	3	100	2.11	75.71
	<i>Ampelisca tenuicornis</i>	2.5	100	2.11	77.83
	<i>Thracia villosiuscula</i>	2	100	2.11	79.94
	<i>Turritella communis</i>	2	100	2.11	82.06

Group G (Average similarity: 33.60%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
LC-G5	Gravelly Muddy Sand	19.11	63.02	17.87	24.4
LC-G6	Gravelly Muddy Sand	11.33	65.52	23.15	22.3
LC-G7	Muddy Sandy Gravel	69.91	17.98	12.11	22.2
LC-G8	Gravelly Muddy Sand	19.96	63.76	16.28	18.2
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Leptochiton asellus</i>	13.50	100	14.35	14.35
	<i>Polycirrus sp.</i>	4.25	100	6.96	21.31
	<i>Ampelisca tenuicornis</i>	5.75	100	6.4	27.71
	<i>Ampharete lindstroemi</i>	2.00	100	6.14	33.85
	<i>Owenia fusiformis</i>	7.75	100	6	39.85
	<i>Lumbrineris sp. (aniara/cingulata)</i>	3.50	100	5.55	45.4
	<i>Sabellidae spp. (damaged)</i>	3.00	100	4.74	50.14
	<i>Pholoe inornata</i>	5.00	75	3.83	53.97
	<i>Phtisica marina</i>	4.75	75	3.37	57.34
	<i>Eumida sanguinea</i>	3.00	75	3.34	60.68
	<i>Timoclea ovata</i>	2.75	75	3.17	63.85
	<i>Cerianthus lloydii</i>	2.75	75	2.94	66.79
	<i>Spirobranchus triqueter</i>	1.75	75	2.62	69.41
	<i>Spiophanes kroyeri</i>	1.75	75	2.36	71.77
	<i>Eteone flava/longa</i> agg.	0.75	75	2.13	73.9
	<i>Hydroides norvegica</i>	1.5	75	2.08	75.97
	<i>Cirratulus cirratus</i>	2	75	2.08	78.05
	<i>Hiatella arctica</i>	1.5	75	2.08	80.13
	<i>Glycera lapidum</i> agg.	0.75	75	1.85	81.98
	<i>Nereimyra punctata</i>	0.75	75	1.85	83.83
	<i>Nemertea spp.</i>	3	50	1.26	85.09
	<i>Palliolium incomparabile</i>	0.75	50	0.95	86.04
	<i>Aequipecten opercularis</i>	0.5	50	0.91	86.95
	<i>Gibbula tumida</i>	0.75	50	0.91	87.86
	<i>Balanus balanus</i>	1	50	0.89	88.75
	<i>Lepidonotus squamatus</i>	1.25	50	0.77	89.52
	<i>Galathowenia oculata</i>	1	50	0.77	90.29

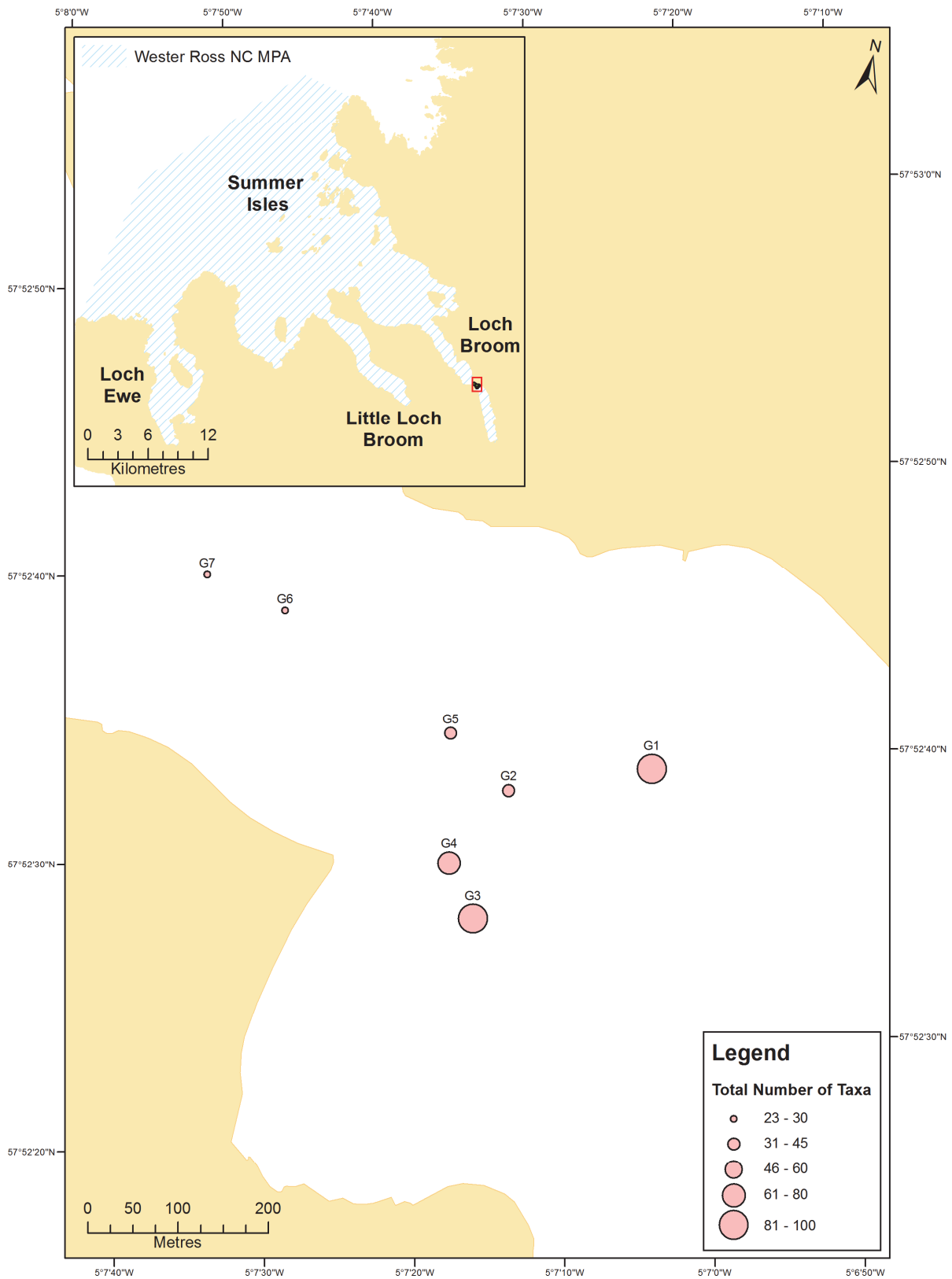
ANNEX 6: BIOTOPES, SEDIMENT DESCRIPTIONS AND DOMINANT TAXA WITHIN CLUSTER GROUPS FROM THE LOCH CARRON MPA SAMPLING STATIONS

Group	Station	Biotope	Flag	Sediment Type	Depth (m CD)	Dominant Taxa
a	LC-G9	SS.SMx.IMx	?	Muddy Sandy Gravel	18.7	<i>Nucula nucleus</i> , <i>Timoclea ovata</i> , <i>Ennucula tenuis</i> , <i>Gouldia minima</i> , <i>Kurtiella bidentata</i> , <i>Balanus balanus</i> , <i>Hiatella arctica</i> , <i>Leptochiton asellus</i> , <i>Dosinia lupinus</i> , <i>Turritella communis</i>
b	LC-G10	SS.SMx.lmx	?	Gravelly Muddy Sand	17.7	<i>Nucula nucleus</i> , <i>Mediomastus fragilis</i> , <i>Lumbrineris</i> sp. (<i>L. aniara/cingulata</i>), <i>Kurtiella bidentata</i> , <i>Timoclea ovata</i> , <i>Chaetozone zetlandica</i> , <i>Hiatella arctica</i> , <i>Edwardsiidae</i> sp., <i>Owenia fusiformis</i> , <i>Ostracoda</i> spp. (<i>Limaria hians</i> also present)
b	LC-G12	SS.SMx.IMx	?	Gravelly Muddy Sand	20.7	<i>Timoclea ovata</i> , <i>Lumbrineris</i> sp. (<i>L. aniara/cingulata</i>), <i>Nematoda</i> spp., <i>Mediomastus fragilis</i> , <i>Rissoa parva</i> , <i>Ostracoda</i> spp., <i>Ophiura albida</i> , <i>Kurtiella bidentata</i> , <i>Chaetozone zetlandica</i> , <i>Owenia fusiformis</i>
b	LC-G13	SS.SMx.IMx	?	Slightly Gravelly Muddy Sand	24.7	<i>Nucula nucleus</i> , <i>Spirobranchus triqueter</i> , <i>Owenia fusiformis</i> , <i>Verruca stroemia</i> , <i>Hiatella arctica</i> , <i>Amphipholis squamata</i> , <i>Myrtea spinifera</i> , <i>Kurtiella bidentata</i> , <i>Leptochiton asellus</i> , <i>Lumbrineris</i> sp. (<i>aniara/cingulata</i>). (Also, live maerl present)
b	LC-G14	SS.SMx.IMx	?	Gravelly Muddy Sand	21.7	<i>Nucula nucleus</i> , <i>Verruca stroemia</i> , <i>Timoclea ovata</i> , <i>Lumbrineris</i> sp. (<i>L. aniara/cingulata</i>), <i>Owenia fusiformis</i> , <i>Kurtiella bidentata</i> , <i>Chaetozone zetlandica</i> , <i>Amphiuridae</i> sp. (damaged), <i>Glycinde nordmanni</i> , <i>Mediomastus fragilis</i>
b	LC-G16	SS.SMx.IMx	?	Muddy Sandy Gravel	22.7	<i>Kurtiella bidentata</i> , <i>Nucula nucleus</i> , <i>Lumbrineris</i> sp. (<i>L. aniara/cingulata</i>), <i>Timoclea ovata</i> , <i>Owenia fusiformis</i> , <i>Hiatella arctica</i> , <i>Leptochiton asellus</i> , <i>Pectinaria (Amphictene) auricoma</i> , <i>Mediomastus fragilis</i> , <i>Amphiura filiformis</i>

Group	Station	Biotope	Flag	Sediment Type	Depth (m CD)	Dominant Taxa
c	LC-G11	SS.SMx.IMx	?	Gravelly Muddy Sand	14.7	<i>Lumbrineris</i> sp. (<i>L. aniara/cingulata</i>), <i>Chaetozone zetlandica</i> , <i>Timoclea ovata</i> , <i>Turritella communis</i> , <i>Owenia fusiformis</i> , <i>Hiatella arctica</i> , <i>Nemertea</i> spp., <i>Pholoe inornata</i> , Paguridae sp., <i>Ophiura albida</i>
c	LC-G15	SS.SMx.IMx	?	Muddy Sandy Gravel	22.7	<i>Lumbrineris</i> sp. (<i>L. aniara/cingulata</i>), <i>Hiatella arctica</i> , <i>Nucula nucleus</i> , <i>Owenia fusiformis</i> , <i>Nereimyra punctata</i> , <i>Ophiura albida</i> , <i>Kurtiella bidentata</i> , <i>Turritella communis</i> , <i>Edwardsia claparedii</i> , <i>Pectinaria (Amphictene) auricoma</i> . (Also, live maerl present)
d	LC-G1	SS.SMx.IMx.Lim		Gravel	18.0	<i>Balanus balanus</i> , <i>Jasmineira elegans</i> , <i>Modiolula phaseolina</i> , <i>Golfingia (Golfingia) elongata</i> , <i>Polycirrus</i> sp., <i>Prionospio cirrifera</i> , <i>Limaria hians</i> , <i>Hiatella arctica</i> , <i>Timoclea ovata</i> , <i>Nematoda</i> spp.
e	LC-G2	SS.SMx.IMx.Lim		Gravelly Muddy Sand	17.8	<i>Musculus subpictus</i> , <i>Balanus balanus</i> , <i>Jasmineira elegans</i> , <i>Leptochiton asellus</i> , <i>Nannonyx goesii</i> , <i>Nereimyra punctata</i> , <i>Hiatella arctica</i> , <i>Timoclea ovata</i> , <i>Polycirrus</i> sp., <i>Asciidiella aspersa</i> . (<i>Limaria hians</i> also present)
f	LC-G3	SS.SMx.IMx.Lim		Muddy Sandy Gravel	17.8	<i>Jasmineira elegans</i> , <i>Modiolula phaseolina</i> , <i>Golfingia (Golfingia) vulgaris</i> , <i>Limaria hians</i> , <i>Timoclea ovata</i> , <i>Pholoe inornata</i> , <i>Flabelligera affinis</i> , <i>Balanus balanus</i> , <i>Hiatella arctica</i> , <i>Nereimyra punctata</i>
f	LC-G4	SS.SMx.IMx.Lim		Gravelly Muddy Sand	18.7	<i>Jasmineira elegans</i> , <i>Polycirrus</i> sp., <i>Pholoe inornata</i> , <i>Balanus balanus</i> , <i>Leptochiton asellus</i> , <i>Nereimyra punctata</i> , <i>Hiatella arctica</i> , <i>Golfingia (Golfingia) vulgaris</i> , <i>Modiolula phaseolina</i> , <i>Eumida sanguinea</i> . (<i>Limaria hians</i> also present)
g	LC-G5	SS.SMx.CMx	?	Gravelly Muddy Sand	24.7	<i>Owenia fusiformis</i> , <i>Mediomastus fragilis</i> , <i>Leptochiton asellus</i> , <i>Pholoe inornata</i> , <i>Phoronida</i> sp., <i>Ampelisca tenuicornis</i> , <i>Leptosynapta inhaerens</i> , <i>Cnemidocarpa mollis</i> , <i>Nemertea</i> spp., <i>Polycirrus</i> sp.

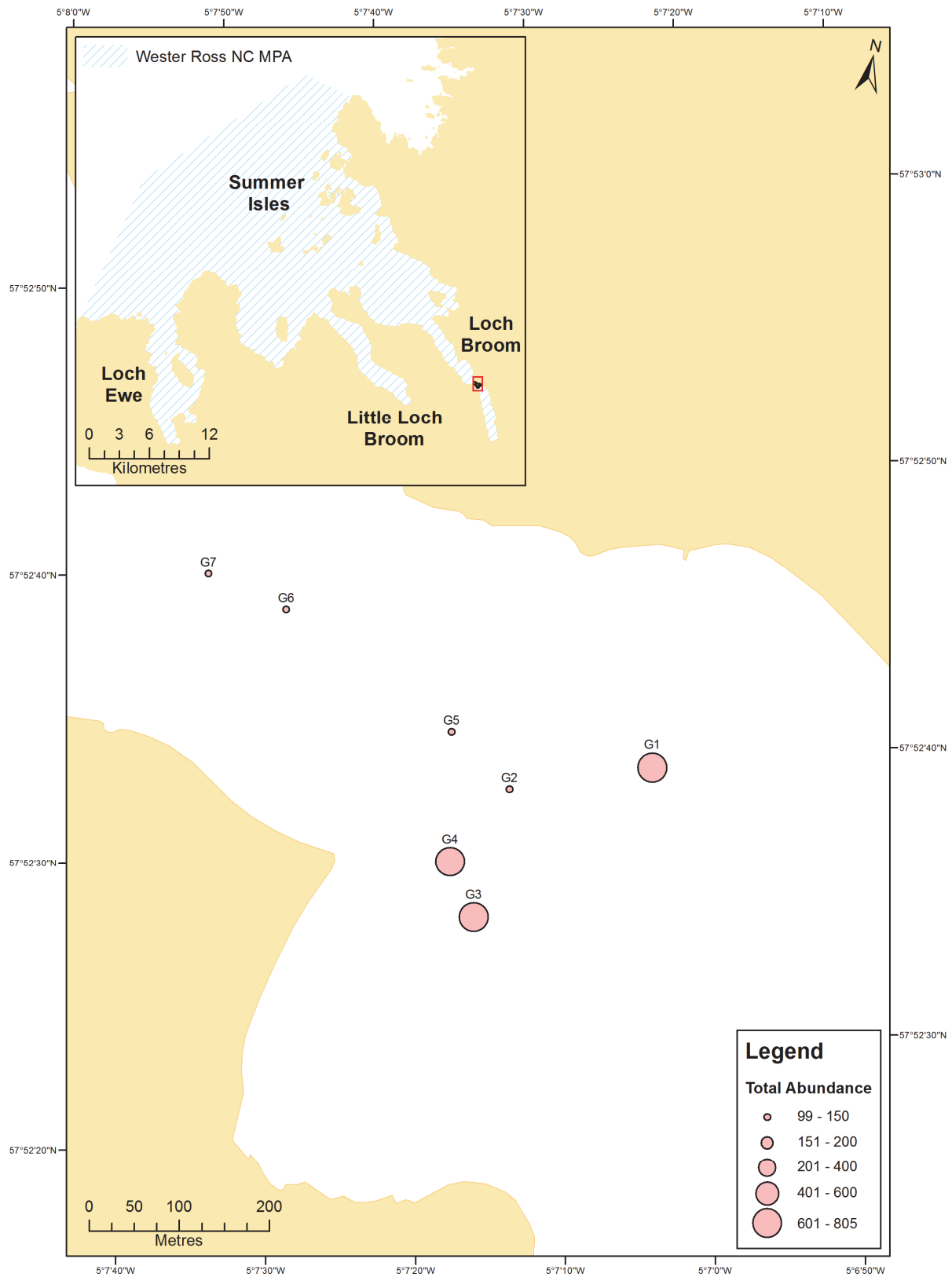
Group	Station	Biotope	Flag	Sediment Type	Depth (m CD)	Dominant Taxa
g	LC-G6	SS.SMx.CMx	?	Gravelly Muddy Sand	22.6	<i>Leptochiton asellus</i> , Nemertea spp., <i>Molgula</i> sp., <i>Polycirrus</i> sp., <i>Lumbrineris</i> sp. (<i>L. aniara/cingulata</i>), <i>Eumida sanguinea</i> , <i>Owenia fusiformis</i> , <i>Ampharete lindstroemi</i> , <i>Balanus balanus</i> , <i>Cuthona</i> sp.
g	LC-G7	SS.SMx.CMx	?	Muddy Sandy Gravel	22.5	<i>Leptochiton asellus</i> , <i>Ampelisca tenuicornis</i> , <i>Owenia fusiformis</i> , <i>Cerianthus lloydii</i> , <i>Lumbrineris</i> sp. (<i>L. aniara/cingulata</i>), <i>Pholoe inornata</i> , <i>Eumida sanguinea</i> , <i>Polycirrus</i> sp., <i>Phtisica marina</i> , <i>Harmothoe impar</i>
g	LC-G8	SS.SMx.CMx	?	Gravelly Muddy Sand	18.5	<i>Leptochiton asellus</i> , <i>Phtisica marina</i> , <i>Timoclea ovata</i> , <i>Edwardsia claparedii</i> , <i>Pholoe inornata</i> , <i>Gouldia minima</i> , <i>Leptochiton cancellatus</i> , <i>Corella parallelogramma</i> , Sabellidae spp. (damaged), <i>Hydroides norvegica</i>

ANNEX 7: TOTAL NUMBERS OF TAXA (INCLUDING QUALITATIVE SPECIES) COLLECTED AT THE WESTER ROSS MPA SURVEY STATIONS



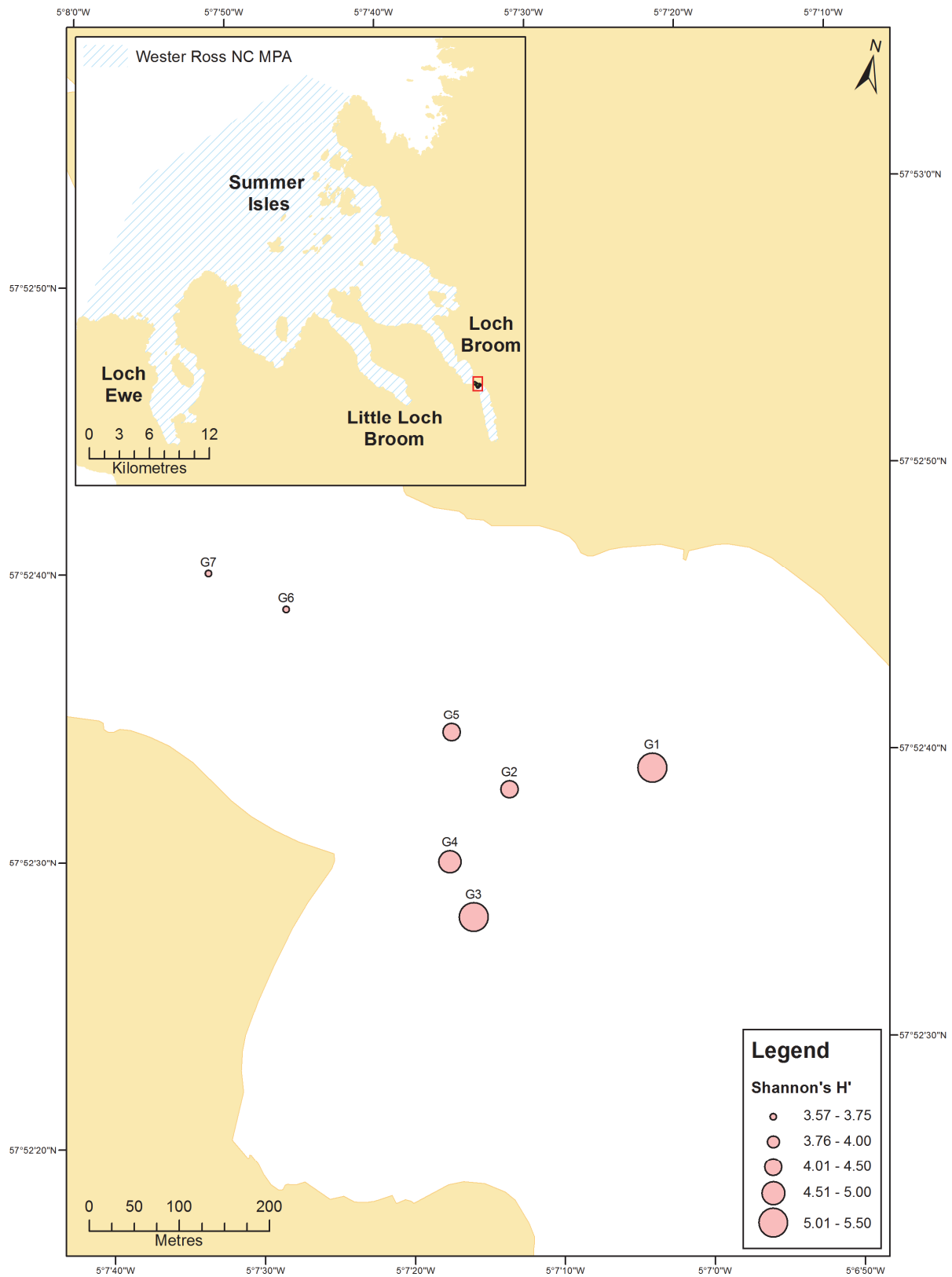
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ANNEX 8: TOTAL ABUNDANCE (NUMBERS OF INDIVIDUALS) WITHIN INFAUNA SAMPLES COLLECTED AT THE WESTER ROSS MPA SURVEY STATIONS



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ANNEX 9: SHANNON'S DIVERSITY (H') OF THE INFAUNA SAMPLE COLLECTED AT THE WESTER ROSS MPA SURVEY STATIONS



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ANNEX 10: SPECIES DATA – WESTER ROSS

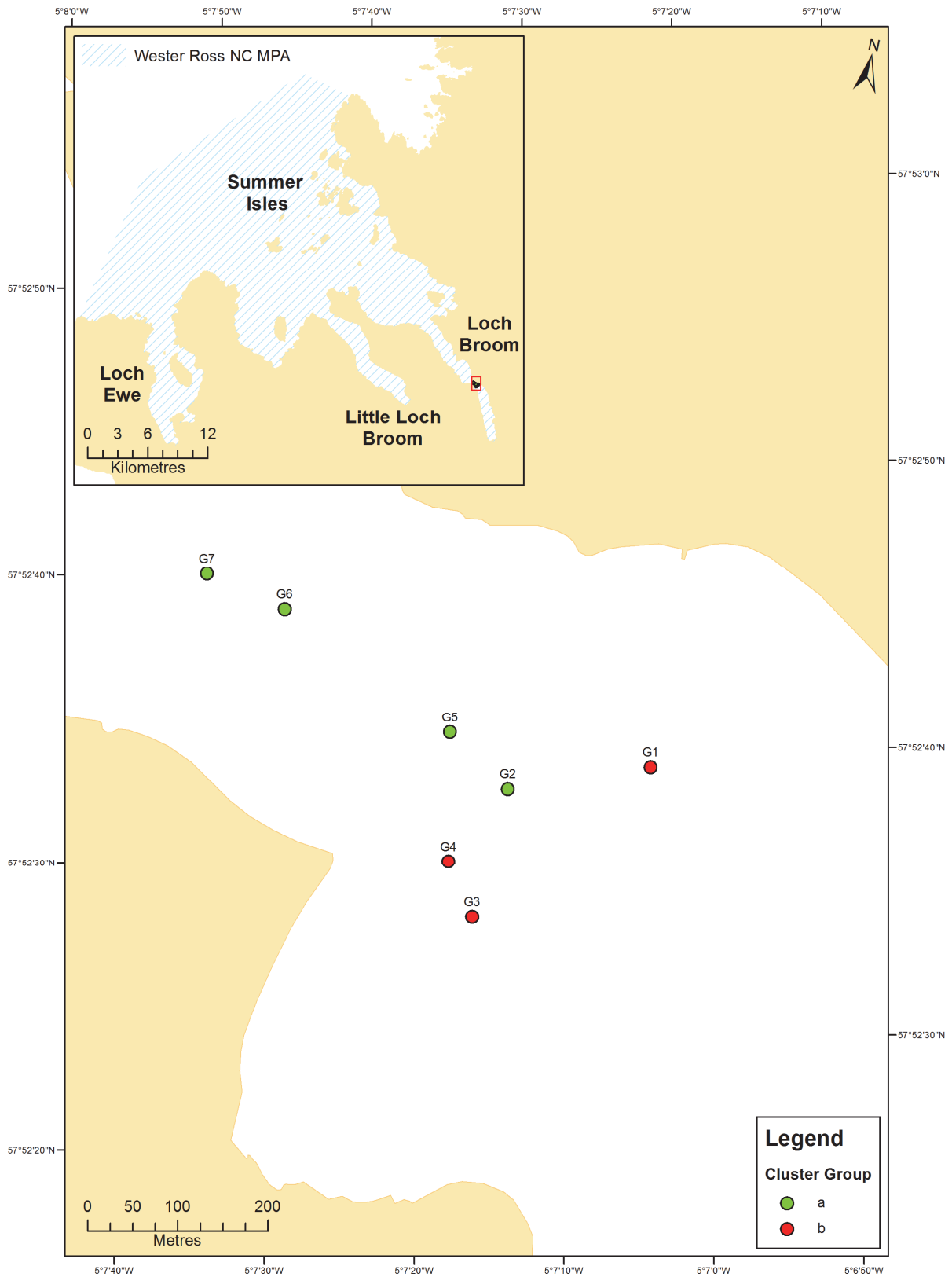
Taxa	WR-G1	WR-G2	WR-G3	WR-G4	WR-G5	WR-G6	WR-G7
Actiniidae sp.	2						
Actinaria sp. (juvenile)				7			
Cerianthus lloydii	1			1		1	
Obelia sp.	P						
Leucosolenia complicata			P				
Sycon ciliatum	P		p				
Clypea celata	P						
Porifera spp.			P	P			
Nematoda spp.	58		31	33			
Nemertea spp.	1	3	3	5	3	2	
Platyhelminthes spp.	1		2	2			
Euphrosine sp.			1				
Lumbrineris sp. (aniara/cingulata?)	6		12		3	24	16
Lumbrineris sp. (juvenile)		1					
Aponuphis bilineata					1		
Glycera alba					1	4	
Glycera lapidum agg.			10	3			
Glycera sp. (juvenile)				1			
Glycera sp.							1
Glycinde nordmanni	2			2			3
Hesiospina aurantiaca			1				
Nereimyra punctata	12		10				
Oxydromus sp. (juvenile)			1				
Psamathe fusca	2		1		1		1
Hesionidae sp. (juvenile/damaged)			9				
Nephtys hombergii			1				
Nephtys kersivalensis	2	2		4	5	2	2
Nephtys sp.		2					
Nereis pelagica	1						
Platynereis dumerilii			1				
Pholoe baltica				6			
Pholoe inornata	40	4	40	48	9	3	5
Eteone longa/flava agg.			1	1			
Eteone sp.				1			
Eumida bahusiensis	5		3	1			
Nereiphylla rubiginosa			1	2			
Harmothoe impar			6	4		1	
Harmothoe sp. (juvenile/damaged)			9				
Lepidonotus squamatus	1		3	2			
Malmgrenia sp. (damaged)			2				
Polynoidae sp.	7						
Pisione remota				1			
Ephesiella abyssorum						1	
Sphaerodorum gracilis		4					
Sphaerosyllis taylori			3				
Sphaerosyllis sp.			2				
Galathowenia oculata		2			4	1	3
Owenia fusiformis		5		1			1

Taxa	WR-G1	WR-G2	WR-G3	WR-G4	WR-G5	WR-G6	WR-G7
<i>Jasmineira caudata</i>			9				
<i>Jasmineira elegans</i>			1	1			
<i>Myxicola infundibulum</i>	2						
Sabellidae sp.				1	1		
<i>Hydroides norvegica</i>					1		
<i>Serpula vermicularis</i>			3				
<i>Spirobranchus triqueter</i>	1						
<i>Spirorbinae</i> sp. (damaged)			1				
<i>Aonides oxycephala</i>				1			
<i>Laonice cirrata</i>					1		
<i>Laonice sarsi</i>			70				
<i>Laonice</i> sp. (damaged)		4					
<i>Prionospio cirrifera</i>				42			
<i>Spio decorata</i>			1				
<i>Spiophanes kroyeri</i>			3				
<i>Melinna palmata</i>		1					
<i>Chaetozone setosa</i>	1						
<i>Chaetozone zetlandica</i>					1		4
<i>Cirratulus cirratus</i>			3				
<i>Cirratulidae</i> sp. (juvenile/damaged)			1			1	
<i>Diplocirrus glaucus</i>		3					1
<i>Flabelligera affinis</i>	21		7	5			
<i>Therochaeta flabellata</i>	7			9			
<i>Amphictene auricoma</i>					1		
<i>Lagis koreni</i>		1					
<i>Amphitrite cirrata</i>			2				
<i>Polycirrus</i> spp.	12		23	4			
<i>Proclea graffii</i>	1						
<i>Terebellidae</i> sp. (juvenile)			1		1		
<i>Terebellides stroemii</i>	1	2	1			2	
<i>Trichobranthus glacialis</i>	2		2				
<i>Trichobranthus roseus</i>		1		2			
<i>Capitella</i> sp.			7				
<i>Mediomastus fragilis</i>		1	1	6	1	1	
<i>Capitellidae</i> sp. (juvenile)			1				
<i>Clymenura</i> sp.			1	1			
<i>Euclymene droebachiensis</i>					2		
<i>Maldanidae</i> sp. (damaged)		1					
<i>Polyophthalmus pictus</i>	1						
<i>Paradoneis lyra</i>		3			5	3	3
<i>Sabellaria spinulosa</i>				1			
<i>Lipobranthus jeffreysii</i>	2						
<i>Scalibregma inflatum</i>	8	7	7	22	3	1	2
<i>Travisia forbesii</i>			2	1			
<i>Balanus balanus</i>	18		65				
<i>Verruca stroemia</i>	78		77	4			
<i>Ampelisca tenuicornis</i>	6		12				
<i>Nototropis vedlomensis</i>	1						
<i>Phtisica marina</i>	3						
<i>Pseudoprotella phasma</i>	1		5				

Taxa	WR-G1	WR-G2	WR-G3	WR-G4	WR-G5	WR-G6	WR-G7
<i>Monocorophium sextonae</i>			1				
<i>Leptocheirus pectinatus</i>	1						
<i>Cressa dubia</i>	1						
<i>Dyopetos porrectus</i>	1						
<i>Lysianassa plumosa</i>			2				
<i>Othomaera othonis</i>			2				
<i>Melita hergensis</i>							1
<i>Gammaropsis</i> sp. (damaged)	3						
<i>Harpinia</i> sp. (juvenile/damaged)	1		2	2			
<i>Metaphoxus fultoni</i>			3				
<i>Stenopleustes nodifera</i>			3				
<i>Urothoe elegans</i>	3		6	4			
<i>Vaunthompsonia cristata</i>	1		2				
<i>Galathea strigosa</i>	1						
<i>Galathea</i> sp. (juvenile)	4						
<i>Eurynome aspera</i>	2						
<i>Eurynome spinosa</i>			1				
<i>Paguridae</i> sp. (damaged)			3				
<i>Pisidia</i> sp. (damaged)	1						
<i>Brachyura</i> sp. (zoea larvae)			1				
<i>Janira maculosa</i>	1		3				
<i>Nebalia bipes</i>			9				
<i>Nebalia</i> sp. (damaged)							1
<i>Mysida</i> sp. (damaged)	2		3				
<i>Tanaopsis graciloides</i>					1		
Ostracoda spp.	7		30	1			
<i>Strongylocentrotus (pallidus)</i>	1						
<i>Labidoplax buskii</i>			1	1			
<i>Leptosynapta decaria</i>		2					
<i>Thyone fusus</i>	2						
<i>Amphipholis squamata</i>			8	15			
<i>Amphiura chiajei</i>		1			4		1
<i>Amphiura</i> sp. (damaged)						5	
<i>Amphiuridae</i> sp. (juvenile)	4			2			
<i>Ophiocomina nigra</i>		2	5	7	2		
<i>Ophiothrix fragilis</i>	1	23	2	140	9	7	38
<i>Ophiocten affinis</i>						1	
<i>Ophiura albida</i>	1						
<i>Ophiura ophiura</i>							4
<i>Ophiuridae</i> spp. (juvenile)			9	12			3
<i>Hiatella arctica</i>	42		16	15			
<i>Parvicardium pinnulatum</i>	16		4	5			
<i>Abra alba</i>				1			
<i>Astarte sulcata</i>	1						
<i>Limaria hians</i>	32		6	7			
<i>Myrtea spinifera</i>					1		
<i>Thyasira flexuosa</i>							2
<i>Corbula gibba</i>		1			1		
<i>Mya arenaria</i>	2						
<i>Modiolula phaseolina</i>	55		14	23			

Taxa	WR-G1	WR-G2	WR-G3	WR-G4	WR-G5	WR-G6	WR-G7
<i>Musculus subpictus</i>	14		2	4			
<i>Nucula nitidosa</i>		3			1	2	3
<i>Nucula nucleus</i>	16	8	5	13	15	9	4
<i>Anomia ephippium</i>		1	22	5	7	1	
<i>Aequipecten opercularis</i>			3				
<i>Clausinella fasciata</i>			2				
<i>Gouldia minima</i>	14			4			
<i>Polittapes rhomboides</i>	1						
<i>Timoclea ovata</i>	55	3	20	21	26	19	21
<i>Hemilepton nitidum</i>				4			
<i>Kellia suborbicularis</i>	1						
<i>Kurtiella bidentata</i>	2	5	7	8	1		
<i>Thracia distorta</i>	7			3			
<i>Thracia villosiuscula</i>	1			2			
<i>Thracia</i> sp. (damaged)			2				
<i>Vitreolina philippi</i>	1						
<i>Alvania beanii</i>	44		3	16			
<i>Alvania punctura</i>	17		7				
<i>Onoba semicostata</i>	57		34	25	1		
<i>Rissoa parva</i>	7		4				1
<i>Mangelia attenuata</i>	4						
<i>Tritia incrassata</i>	5		2	2			
<i>Tritia reticulata</i> (eggs)	p						
<i>Gibbula tumida</i>		2	1				
<i>Steromphala umbilicalis</i>					1		
<i>Tectura virginea</i>		1					
<i>Brachystomia scalaris</i>	9						
<i>Brachystomia</i> sp.				1			
<i>Ondina diaphana</i>			1	1			
<i>Gastropoda</i> sp. (damaged)			1				
<i>Leptochiton asellus</i>	14	9		15	14	7	10
<i>Leptochiton cancellatus</i>	3						
<i>Golfingia (Golfingia) elongata</i>		5	2	7	1	1	
<i>Golfingia (Golfingia) vulgaris</i>		2	3				
<i>Golfingia</i> sp.	36			39			
<i>Nephasoma (Nephasoma) minutum</i>			3				
<i>Golfingiidae</i> sp. (juvenile)			25				
<i>Sipunculus (Sipunculus) nudus</i>				8			
<i>Electra pilosa</i>			P				
<i>Asciidiella aspersa</i>			14				
<i>Molgula</i> sp.	4						
<i>Asciidiacea</i> sp. (damaged)				9			
<i>Rhodophyta</i> sp. (encrusting)					P		

ANNEX 11: CLUSTER GROUPS AT THE WESTER ROSS MPA SURVEY STATIONS



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ANNEX 12: CHARACTERISTIC TAXA (FROM SIMPER) AND ENVIRONMENTAL DATA AT THE STATIONS WITHIN EACH CLUSTER GROUP

Group A (Average similarity: 52.09%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m BCD)
WR-G2	Muddy Sandy Gravel	36.41	35.40	28.19	20.4
WR-G5	Muddy Gravel	32.61	33.36	34.03	18.4
WR-G6	Muddy Sandy Gravel	34.85	33.87	31.29	32.3
WR-G7	Muddy Sandy Gravel	35.90	38.88	25.22	29.2
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Timoclea ovata</i>	17.25	100	12.11	12.11
	<i>Ophiothrix fragilis</i>	19.25	100	11.98	24.1
	<i>Leptochiton asellus</i>	10.00	100	10.97	35.07
	<i>Nucula nucleus</i>	9.00	100	9.41	44.48
	<i>Pholoe inornata</i>	5.25	100	7.33	51.81
	<i>Paradoneis lyra</i>	3.50	100	6.69	58.5
	<i>Nephtys kersivalensis</i>	2.75	100	5.47	63.97
	<i>Lumbrineris sp. (aniara/cingulata?)</i>	10.75	75	5.13	69.1
	<i>Nucula nitidosa</i>	2.25	100	4.89	73.99
	<i>Galathowenia oculata</i>	2.50	100	4.81	78.81
	<i>Scalibregma inflatum</i>	3.25	100	4.8	83.61
	<i>Nemertea spp.</i>	2.00	75	2.86	86.47
	<i>Mediomastus fragilis</i>	0.75	75	1.89	88.36
	<i>Anomia ephippium</i>	2.25	75	1.89	90.25
	<i>Golfingia (Golfingia) elongata</i>	1.75	75	1.89	92.15
	<i>Amphiura chiajei</i>	1.50	75	1.82	93.96
	<i>Terebellides stroemii</i>	1.00	50	0.93	94.9
	<i>Ophiocoma nigra</i>	1.00	50	0.81	95.71

Group B (Average similarity: 46.80%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m BCD)
WR-G1	Slightly Gravelly Muddy Sand	3.32	67.55	29.14	23.5
WR-G3	Gravelly Muddy Sand	11.39	72.13	16.48	33.4
WR-G4	Gravelly Muddy Sand	19.41	45.01	35.58	17.4
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Pholoe inornata</i>	42.67	100	7.03	7.03
	<i>Nematoda spp.</i>	40.67	100	6.26	13.29
	<i>Onoba semicostata</i>	38.67	100	5.85	19.14
	<i>Timoclea ovata</i>	32.00	100	5.02	24.15
	<i>Modiolula phaseolina</i>	30.67	100	4.57	28.73
	<i>Verruca stroemia</i>	53.00	100	4.56	33.29
	<i>Hiatella arctica</i>	24.33	100	4.35	37.64
	<i>Nucula nucleus</i>	11.33	100	3.02	40.66
	<i>Scalibregma inflatum</i>	12.33	100	3.01	43.68
	<i>Alvania beanii</i>	21.00	100	2.82	46.49
	<i>Limaria hians</i>	15.00	100	2.8	49.29
	<i>Polycirrus spp.</i>	13.00	100	2.73	52.02
	<i>Flabelligera affinis</i>	11.00	100	2.63	54.65
	<i>Golfingia sp.</i>	25.00	67	2.36	57.01
	<i>Parvicardium pinnulatum</i>	8.33	100	2.32	59.32
	<i>Kurtiella bidentata</i>	5.67	100	2.03	61.36
	<i>Urothoe elegans</i>	4.33	100	2.03	63.38
	<i>Musculus subpictus</i>	6.67	100	1.8	65.19
	<i>Ostracoda spp.</i>	12.67	100	1.68	66.86
	<i>Tritia incrassata</i>	3.00	100	1.57	68.44
	<i>Leptochiton asellus</i>	9.67	67	1.47	69.91
	<i>Balanus balanus</i>	27.67	67	1.46	71.37
	<i>Nemertea spp.</i>	3.00	100	1.39	72.76
	<i>Eumida bahusiensis</i>	3.00	100	1.36	74.12
	<i>Platyhelminthes spp.</i>	1.67	100	1.27	75.39
	<i>Lepidonotus squamatus</i>	2.00	100	1.27	76.65
	<i>Harpinia sp. (juvenile/damaged)</i>	1.67	100	1.27	77.92
	<i>Ophiothrix fragilis</i>	47.67	100	1.27	79.19

ANNEX 13: BIOTOPES, AND DOMINANT TAXA WITHIN CLUSTER GROUPS FOR THE WESTER ROSS MPA SURVEY STATIONS

Group	Station	Biotope	Flag	Sediment Type	Depth (m CD)	Dominant Taxa
a	WR-G2	SS.SMx.CMx.OphMx		Muddy Sandy Gravel	20.4	<i>Ophiothrix fragilis</i> , <i>Leptochiton asellus</i> , <i>Nucula nucleus</i> , <i>Scalibregma inflatum</i> , <i>Owenia fusiformis</i> , <i>Kurtiella bidentata</i> , <i>Golfingia (Golfingia) elongata</i> , <i>Pholoe inornata</i> , <i>Sphaerodorum gracilis</i> , <i>Laonice</i> sp. (damaged)
a	WR-G5	SS.SMx.CMx.OphMx		Muddy Gravel	18.4	<i>Timoclea ovata</i> , <i>Nucula nucleus</i> , <i>Leptochiton asellus</i> , <i>Pholoe inornata</i> , <i>Ophiothrix fragilis</i> , <i>Anomia ephippium</i> , <i>Nephtys kersivalensis</i> , <i>Paradoneis lyra</i> , <i>Galathowenia oculata</i> , <i>Amphiura chiajei</i>
a	WR-G6	SS.SMx.CMx.OphMx		Muddy Sandy Gravel	32.3	<i>Lumbrineris</i> sp. (<i>aniara/cingulata?</i>), <i>Timoclea ovata</i> , <i>Nucula nucleus</i> , <i>Ophiothrix fragilis</i> , <i>Leptochiton asellus</i> , <i>Amphiura</i> sp. (damaged), <i>Glycera alba</i> , <i>Pholoe inornata</i> , <i>Paradoneis lyra</i> , <i>Nemertea</i> spp.
a	WR-G7	SS.SMx.CMx.OphMx		Muddy Sandy Gravel	29.2	<i>Ophiothrix fragilis</i> , <i>Timoclea ovata</i> , <i>Lumbrineris</i> sp. (<i>aniara/cingulata?</i>), <i>Leptochiton asellus</i> , <i>Pholoe inornata</i> , <i>Chaetozone zetlandica</i> , <i>Ophiura ophiura</i> , <i>Nucula nucleus</i> , <i>Glycinde nordmanni</i> , <i>Galathowenia oculata</i>
b	WR-G1	SS.SMx.IMx.Lim		Slightly Gravelly Muddy Sand	23.5	<i>Verruca stroemia</i> , <i>Nematoda</i> spp., <i>Onoba semicostata</i> , <i>Modiolula phaseolina</i> , <i>Timoclea ovata</i> , <i>Alvania beanii</i> , <i>Hiatella arctica</i> , <i>Pholoe inornata</i> , <i>Golfingia</i> sp., <i>Limaria hians</i>
b	WR-G3	SS.SMx.IMx.Lim		Gravelly Muddy Sand	33.4	<i>Verruca stroemia</i> , <i>Laonice sarsi</i> , <i>Balanus balanus</i> , <i>Pholoe inornata</i> , <i>Onoba semicostata</i> , <i>Nematoda</i> spp., <i>Ostracoda</i> spp., <i>Golfingiidae</i> sp. (juvenile), <i>Polycirrus</i> spp., <i>Anomia ephippium</i> . (also <i>Limaria hians</i>)

Group	Station	Biotope	Flag	Sediment Type	Depth (m CD)	Dominant Taxa
b	WR-G4	SS.SMx.IMx.Lim	?	Gravelly Muddy Sand	17.4	<i>Ophiothrix fragilis</i> , <i>Pholoe inornata</i> , <i>Prionospio cirrifera</i> , <i>Golfingia</i> sp., Nematoda spp., <i>Onoba semicostata</i> , <i>Modiolula phaseolina</i> , <i>Scalibregma inflatum</i> , <i>Timoclea ovata</i> , <i>Alvania beanii</i> . (also <i>Limaria hians</i>)

ANNEX 14: SPECIES DATA – MORAY FIRTH

Taxa	MF01-G01	MF01-G02	MF01-G03	MF01-G04	MF01-G05	MF01-G06	MF01-G07	MF01-G08
<i>Nematoda</i> spp.			7					
<i>Nemertea</i> spp.	1			10	6	3	2	4
<i>Platyhelminthes</i> spp.	1	2			1	1		
<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i> ?)	7		2	5		1		53
<i>Lumbrineris</i> sp. (juvenile)					1			
<i>Glycera alba</i>								3
<i>Glycera</i> sp.								1
<i>Glycinde nordmanni</i>	1		1	1				6
<i>Goniadidae</i> sp. (damaged)							1	
<i>Oxydromus flexuosus</i>			1					
<i>Podarkeopsis capensis</i>	3			2	1	1		1
<i>Nephtys hombergii</i>				3	7	1		1
<i>Nephtys kersivalensis</i>	5							
<i>Nephtys</i> sp. (juvenile)						2		
<i>Nephtyidae</i> spp. (juvenile)	4			4			1	
<i>Pholoe inornata</i>	9		2	4	5		6	4
<i>Eteone longa/flava</i> agg.					1			
<i>Eulalia viridis</i>					1			
<i>Phyllodoce rosea</i>				1				
<i>Gattyana cirrhosa</i>						2		
<i>Malmgrenia marphysae</i>							1	
<i>Sthenelais boa</i>		2						
<i>Sthenelais limicola</i>	2			3				
<i>Sthenelais</i> sp. (juvenile/damaged)								1
<i>Ephesiella abyssorum</i>			1					
<i>Sphaerodorum gracilis</i>	1				1		2	
<i>Exogone verugera</i>								2
<i>Galathowenia oculata</i>	3	1	10	3	13	9	1	13
<i>Myriochele danielsseni</i>	3						1	
<i>Owenia fusiformis</i>	1		3	1			1	2
<i>Jasmineira elegans</i>			1		1		1	
<i>Prionospio cirrifera</i>			2	1	2	3		
<i>Prionospio dubia</i>			1		3		1	
<i>Prionospio fallax</i>				1				
<i>Spio</i> sp. (damaged)					1			
<i>Spiophanes bombyx</i>	1	3		4	5	1	2	1
<i>Spiophanes kroyeri</i>	5		3	3	1		1	
<i>Ampharete lindstroemi</i>				1	1	2		1
<i>Ampharete</i> sp. (juvenile)			3					
<i>Anobothrus gracilis</i>	1						1	1
<i>Aphelochaeta</i> sp.	4		1					
<i>Chaetozone setosa</i>			2	2		1	3	
<i>Chaetozone</i> sp. (damaged)								2
<i>Cirratulus caudatus</i>			1					1
<i>Tharyx killariensis</i>			2				1	
<i>Tharyx</i> sp.					3			
<i>Diplocirrus glaucus</i>	12	3	13	17	2	12	7	5
<i>Amphictene auricoma</i>				1	2	1	1	2

Taxa	MF01-G01	MF01-G02	MF01-G03	MF01-G04	MF01-G05	MF01-G06	MF01-G07	MF01-G08
<i>Lagis koreni</i>	1	1						1
<i>Lanice conchilega</i>	1			2				
<i>Pista</i> sp. (damaged)							4	
<i>Octobranthus floriceps</i>			4					
<i>Terebellides stroemii</i>				1				
<i>Trichobranthus roseus</i>	4			3	1	5		1
<i>Mediomastus fragilis</i>	1			2			1	
<i>Capitellidae</i> sp. (juvenile)					1			
<i>Magelona alleni</i>	4				1	1		2
<i>Euclymene</i> sp.					4			
<i>Rhodine gracilior</i>	4		1	1	6		2	
<i>Maldanidae</i> sp. (damaged)						P		
<i>Ophelina acuminata</i>					1			
<i>Scoloplos armiger</i>					1			
<i>Paradoneis lyra</i>						1		
<i>Scalibregma inflatum</i>	1	1		1	1		1	10
<i>Acidostoma obesum</i>								1
<i>Ampelisca tenuicornis</i>		1	3	2	5	2	1	
<i>Amphilocheidae</i> sp.			1					
<i>Microdeutopus</i> sp. (female)					2			
<i>Pariambus typicus</i>					1	1		
<i>Perioculodes longimanus</i>					1			
<i>Pontocrates altamarinus</i>								1
<i>Harpinia antennaria</i>	6	1	6	6	1	2	3	
<i>Urothoe elegans</i>					1			
<i>Iphinoe serrata</i>	8	13		12	5	4	5	3
<i>Vaunthompsonia cristata</i>			5					
<i>Diastylis laevis</i>		8		4	3			3
<i>Diastylis</i> sp. (juvenile/damaged)		2	1					
<i>Cumella (Cumella) pygmaea</i>			1					
<i>Liocarcinus pusillus</i>								1
<i>Brachyura</i> sp. (zoea larvae)								1
<i>Pleocyemata</i> sp. (zoea larvae)								1
<i>Astacilla dilatata</i>				1				
<i>Gnathia oxyuraea</i>								1
<i>Gnathia</i> sp. (praniza larve)								1
<i>Echinocardium cordatum</i>	2			1			1	
<i>Holothuroidea</i> sp. (juvenile)			1					
<i>Labidoplax buskii</i>					1			
<i>Leptosynapta decaria</i>						1		
<i>Leptosynapta inhaerens</i>				1				
<i>Leptosynapta</i> sp.					1			
<i>Synaptidae</i> sp. (damaged)							2	
<i>Leptopentacta elongata</i>	2		2			2		
<i>Ocnus planci</i>				3				
<i>Cucumariidae</i> sp. (juvenile/damaged)								1
<i>Amphiura chiajei</i>			29				8	
<i>Amphiura filiformis</i>	20			11	14			6
<i>Amphiura</i> sp. (damaged)						1		
<i>Amphiuridae</i> sp. (juvenile/damaged)						7		

Taxa	MF01-G01	MF01-G02	MF01-G03	MF01-G04	MF01-G05	MF01-G06	MF01-G07	MF01-G08
<i>Ophiurida</i> sp. (juvenile)			1					
<i>Ophiuroidea</i> spp. (juvenile)		1			19			30
<i>Phaxas pellucidus</i>								1
<i>Abra alba</i>			3					1
<i>Abra nitida</i>				1				
<i>Abra</i> sp. (juvenile/damaged)								1
<i>Lucinoma borealis</i>			1	4	6		1	
<i>Myrtea spinifera</i>							1	
<i>Thyasira flexuosa</i>	2		1		2	3		2
<i>Thyasira</i> sp. (damaged)				1				
<i>Corbula gibba</i>			3	1	1		4	1
<i>Ennucula tenuis</i>	3							
<i>Chamelea striatula</i>							4	
<i>Clausinella fasciata</i>			2			5		
<i>Dosinia lupinus</i>							1	1
<i>Kurtiella bidentata</i>						3		
<i>Tellimya ferruginosa</i>				3			6	
<i>Chaetoderma nitidulum</i>	3		7	3	3	6	2	1
<i>Caudofoveata</i> sp.				1				
<i>Turritella communis</i>	15		8	9	1		8	
<i>Cylichna cylindracea</i>						1		
<i>Euspira nitida</i>	1							
<i>Acteon tornatilis</i>				1	1			
<i>Antalis entalis</i>	3							
<i>Phoronis</i> sp. (damaged)						1		
<i>Phoronida</i> sp.							1	
<i>Golfingia (Golfingia) elongata</i>						1		
<i>Golfingia (Golfingia) vulgaris</i>					2			
<i>Conopeum reticulum</i>								P
<i>Ascidacea</i> spp. (juvenile)		9			6			5

ANNEX 15: CHARACTERISTIC TAXA (FROM SIMPER) AND ENVIRONMENTAL DATA AT THE STATIONS WITHIN EACH CLUSTER GROUP

		Group A			
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m BCD)
MF-G02	Slightly Gravelly Muddy Sand	0.31	52.11	47.57	26.4
	Taxa	Abundance	Cum. %		
	<i>Iphinoe serrata</i>	13	27		
	<i>Ascidacea spp.</i> (juvenile)	9	46		
	<i>Diastylis laevis</i>	8	63		
	<i>Spiophanes bombyx</i>	3	69		
	<i>Diplocirrus glaucus</i>	3	75		
	<i>Platyhelminthes spp.</i>	2	79		
	<i>Sthenelais boa</i>	2	83		
	<i>Diastylis sp.</i> (juvenile/damaged)	2	88		
	<i>Galathowenia oculata</i>	1	90		
	<i>Lagis koreni</i>	1	92		
	<i>Scalibregma inflatum</i>	1	94		
	<i>Ampelisca tenuicornis</i>	1	96		
	<i>Harpinia antennaria</i>	1	98		
	<i>Ophiuroidea spp.</i> (juvenile)	1	100		

		Group B			
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
MF-G06	Slightly Gravelly Sandy Mud	0.13	44.13	55.73	26.2
	Taxa	Abundance	Cum. %		
	<i>Diplocirrus glaucus</i>	12	13		
	<i>Galathowenia oculata</i>	9	23		
	<i>Amphiuridae sp.</i> (juvenile/damaged)	7	30		
	<i>Tellimya ferruginosa</i>	6	37		
	<i>Chaetoderma nitidulum</i>	6	43		
	<i>Trichobranchus roseus</i>	5	48		
	<i>Clausinella fasciata</i>	5	54		
	<i>Iphinoe serrata</i>	4	58		
	<i>Nemertea spp.</i>	3	61		
	<i>Prionospio cirrifer</i>	3	65		
	<i>Thyasira flexuosa</i>	3	68		
	<i>Kurtiella bidentata</i>	3	71		
	<i>Nephtys sp.</i> (juvenile)	2	73		
	<i>Gattyana cirrhosa</i>	2	75		
	<i>Ampharete lindstroemi</i>	2	77		
	<i>Ampelisca tenuicornis</i>	2	80		
	<i>Harpinia antennaria</i>	2	82		
	<i>Leptopentacta elongata</i>	2	84		

Group C (Average similarity: 45.679%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m BCD)
MF-G05	Slightly Gravelly Muddy Sand	0.05	51.95	48.00	24.2
MF-G08	Gravelly Muddy Sand	25.13	46.11	28.76	23.2
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Ophiuroidea</i> spp. (juvenile)	24.50	100	13.07	13.07
	<i>Galathowenia oculata</i>	13.00	100	10.81	23.88
	<i>Amphiura filiformis</i>	10.00	100	7.34	31.22
	<i>Asciacea</i> spp. (juvenile)	5.50	100	6.7	37.92
	<i>Nemertea</i> spp.	5.00	100	6	43.92
	<i>Pholoe inornata</i>	4.50	100	6	49.91
	<i>Iphinoe serrata</i>	4.00	100	5.19	55.11
	<i>Diastylis laevis</i>	3.00	100	5.19	60.3
	<i>Diplocirrus glaucus</i>	3.50	100	4.24	64.54
	<i>Amphictene auricoma</i>	2.00	100	4.24	68.78
	<i>Thyasira flexuosa</i>	2.00	100	4.24	73.02
	<i>Podarkeopsis capensis</i>	1.00	100	3	76.02
	<i>Nephtys hombergii</i>	4.00	100	3	79.01
	<i>Spiophanes bombyx</i>	3.00	100	3	82.01
	<i>Ampharete lindstroemi</i>	1.00	100	3	85.01
	<i>Trichobranchus roseus</i>	1.00	100	3	88.01
	<i>Magelona alleni</i>	1.50	100	3	91.01
	<i>Scalibregma inflatum</i>	5.50	100	3	94
	<i>Corbula gibba</i>	1.00	100	3	97
	<i>Chaetoderma nitidulum</i>	2.00	100	3	100

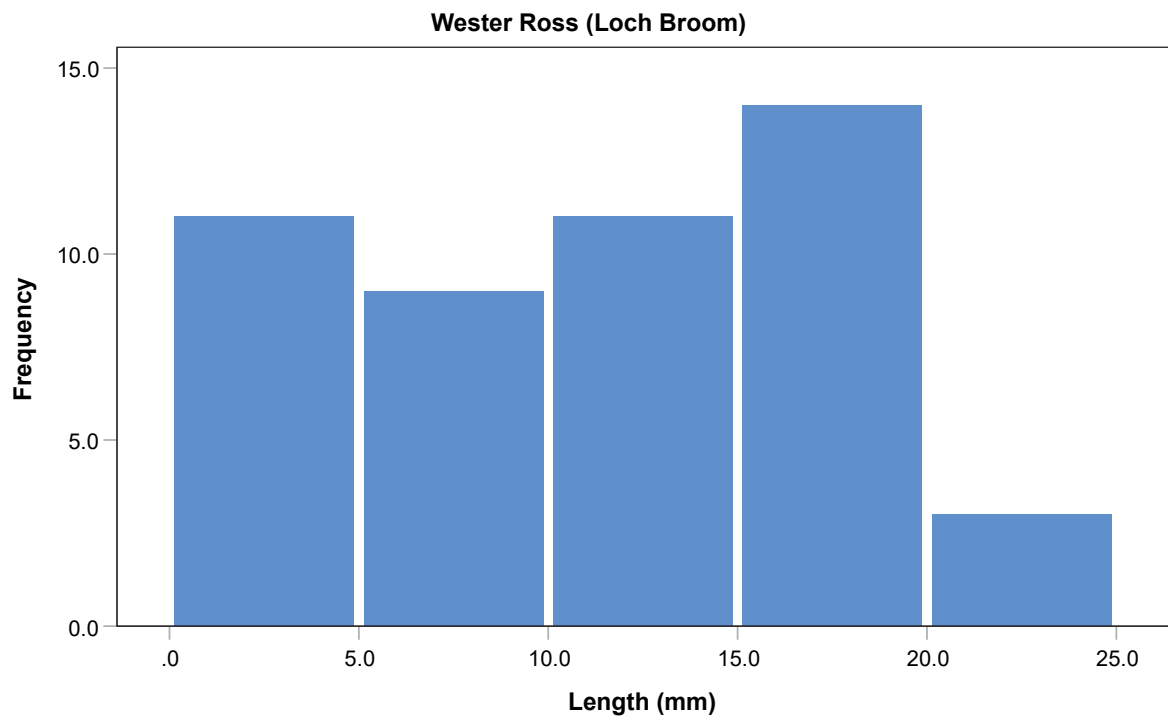
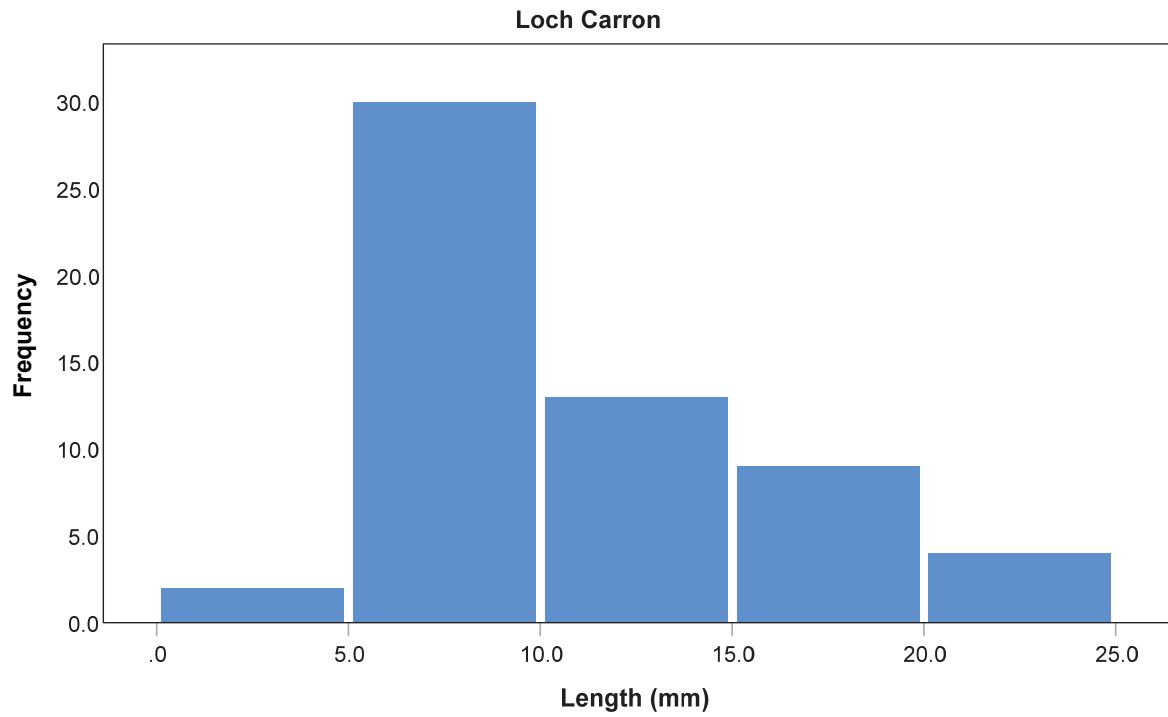
Group D (Average similarity: 45.34%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
MF-G01	Slightly Gravelly Muddy Sand	0.20	55.71	44.09	25.4
MF-G03	Slightly Gravelly Sandy Mud	0.02	42.23	57.75	27.3
MF-G04	Slightly Gravelly Sandy Mud	0.03	46.41	53.56	23.3
MF-G07	Slightly Gravelly Sandy Mud	0.03	44.07	55.91	26.2
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Diplocirrus glaucus</i>	12.25	100	10.86	10.86
	<i>Turritella communis</i>	10.00	100	10.15	21.01
	<i>Harpinia antennaria</i>	5.25	100	7.36	28.37
	<i>Pholoe inornata</i>	5.25	100	6.36	34.73
	<i>Chaetoderma nitidulum</i>	3.75	100	5.56	40.29
	<i>Galathowenia oculata</i>	4.25	100	4.78	45.07
	<i>Spiophanes kroyeri</i>	3.00	100	4.78	49.85
	<i>Iphinoe serrata</i>	6.25	75	4.3	54.14
	<i>Rhodine gracilior</i>	2.00	100	3.82	57.96
	<i>Owenia fusiformis</i>	1.50	100	3.56	61.52
	<i>Lumbrineris</i> sp. (<i>aniara/cingulata</i> ?)	3.50	75	2.81	64.33
	<i>Chaetozone setosa</i>	1.75	75	2.56	66.88
	<i>Nephtyidae</i> spp. (juvenile)	2.25	75	2.32	69.2
	<i>Corbula gibba</i>	2.00	75	2.28	71.48
	<i>Ampelisca tenuicornis</i>	1.50	75	2.04	73.52
	<i>Nemertea</i> spp.	3.25	75	2.03	75.55
	<i>Spiophanes bombyx</i>	1.75	75	2.03	77.58
	<i>Amphiura chiajei</i>	9.25	50	1.84	79.41
	<i>Lucinoma borealis</i>	1.50	75	1.81	81.22
	<i>Amphiura filiformis</i>	7.75	50	1.79	83.02
	<i>Mediomastus fragilis</i>	1.00	75	1.78	84.79
	<i>Scalibregma inflatum</i>	0.75	75	1.78	86.57
	<i>Echinocardium cordatum</i>	1.00	75	1.78	88.35
	<i>Glycinde nordmanni</i>	0.75	75	1.67	90.02

ANNEX 16: BIOTOPES AND DOMINANT TAXA WITHIN CLUSTER GROUPS FOR THE MORAY FIRTH SAC SURVEY STATIONS

Group	Station	Biotope	Flag	Sediment Type	Depth (mBCD)	Dominant Taxa
a	MF-G02	SS.SMu.CSaMu	?	Slightly Gravelly Muddy Sand	26.4	<i>Iphinoe serrata</i> , Ascidiacea spp. (juvenile), <i>Diastylis laevis</i> , <i>Spiophanes bombyx</i> , <i>Diplocirrus glaucus</i> , Platyhelminthes spp., <i>Sthenelais boa</i> , <i>Diastylis</i> sp. (juvenile/damaged), <i>Galathowenia oculata</i> , <i>Lagis koreni</i>
b	MF-G06	SS.SMu.CSaMu	?	Slightly Gravelly Sandy Mud	26.2	<i>Diplocirrus glaucus</i> , <i>Galathowenia oculata</i> , Amphiuroidae sp. (juvenile/damaged), <i>Tellimya ferruginosa</i> , <i>Chaetoderma nitidulum</i> , <i>Trichobranchus roseus</i> , <i>Clausinella fasciata</i> , <i>Iphinoe serrata</i> , Nemertea spp., <i>Prionospio cirrifera</i>
c	MF-G05	SS.SMu.CSaMu		Slightly Gravelly Muddy Sand	24.2	Ophiuroidea spp. (juvenile), <i>Amphiura filiformis</i> , <i>Galathowenia oculata</i> , <i>Nephtys hombergii</i> , Nemertea spp., <i>Rhodine gracilior</i> , <i>Lucinoma borealis</i> , Ascidiacea spp. (juvenile), <i>Pholoe inornata</i> , <i>Spiophanes bombyx</i>
c	MF-G08	SS.SMx.CMx	?	Gravelly Muddy Sand	23.2	<i>Lumbrineris</i> sp. (<i>aniara/cingulata?</i>), Ophiuroidea spp. (juvenile), <i>Galathowenia oculata</i> , <i>Scalibregma inflatum</i> , <i>Glycinde nordmanni</i> , <i>Amphiura filiformis</i> , <i>Diplocirrus glaucus</i> , Ascidiacea spp. (juvenile), Nemertea spp., <i>Pholoe inornata</i>
d	MF-G01	SS.SMu.CSaMu		Slightly Gravelly Muddy Sand	25.4	<i>Amphiura filiformis</i> , <i>Turritella communis</i> , <i>Diplocirrus glaucus</i> , <i>Pholoe inornata</i> , <i>Iphinoe serrata</i> , <i>Lumbrineris</i> sp. (<i>aniara/cingulata?</i>), <i>Harpinia antennaria</i> , <i>Nephtys kersivalensis</i> , <i>Spiophanes kroyeri</i> , Nephtyidae spp. (juvenile)

Group	Station	Biotope	Flag	Sediment Type	Depth (mBCD)	Dominant Taxa
d	MF-G03	SS.SMu.CSaMu		Slightly Gravelly Sandy Mud	27.3	<i>Amphiura chiajei</i> , <i>Diplocirrus glaucus</i> , <i>Galathowenia oculata</i> , <i>Turritella communis</i> , Nematoda spp., <i>Chaetoderma nitidulum</i> , <i>Harpinia antennaria</i> , <i>Vaunthompsonia cristata</i> , <i>Octobranchus floriceps</i> , <i>Owenia fusiformis</i>
d	MF-G04	SS.SMu.CSaMu		Slightly Gravelly Sandy Mud	23.3	<i>Diplocirrus glaucus</i> , <i>Iphinoe serrata</i> , <i>Amphiura filiformis</i> , Nemertea spp., <i>Turritella communis</i> , <i>Harpinia antennaria</i> , <i>Lumbrineris</i> sp. (<i>aniara/cingulata?</i>), Nephtyidae spp. (juvenile), <i>Pholoe inornata</i> , <i>Spiophanes bombyx</i>
d	MF-G07	SS.SMu.CSaMu		Slightly Gravelly Sandy Mud	26.2	<i>Amphiura chiajei</i> , <i>Turritella communis</i> , <i>Diplocirrus glaucus</i> , <i>Pholoe inornata</i> , <i>Iphinoe serrata</i> , <i>Pista</i> sp. (damaged), <i>Corbula gibba</i> , <i>Chamelea striatula</i> , <i>Chaetozone setosa</i> , <i>Harpinia antennaria</i>

ANNEX 17: LIMARIA MEASUREMENTS FROM THE LOCH CARRON AND WESTER ROSS BENTHIC SURVEYS



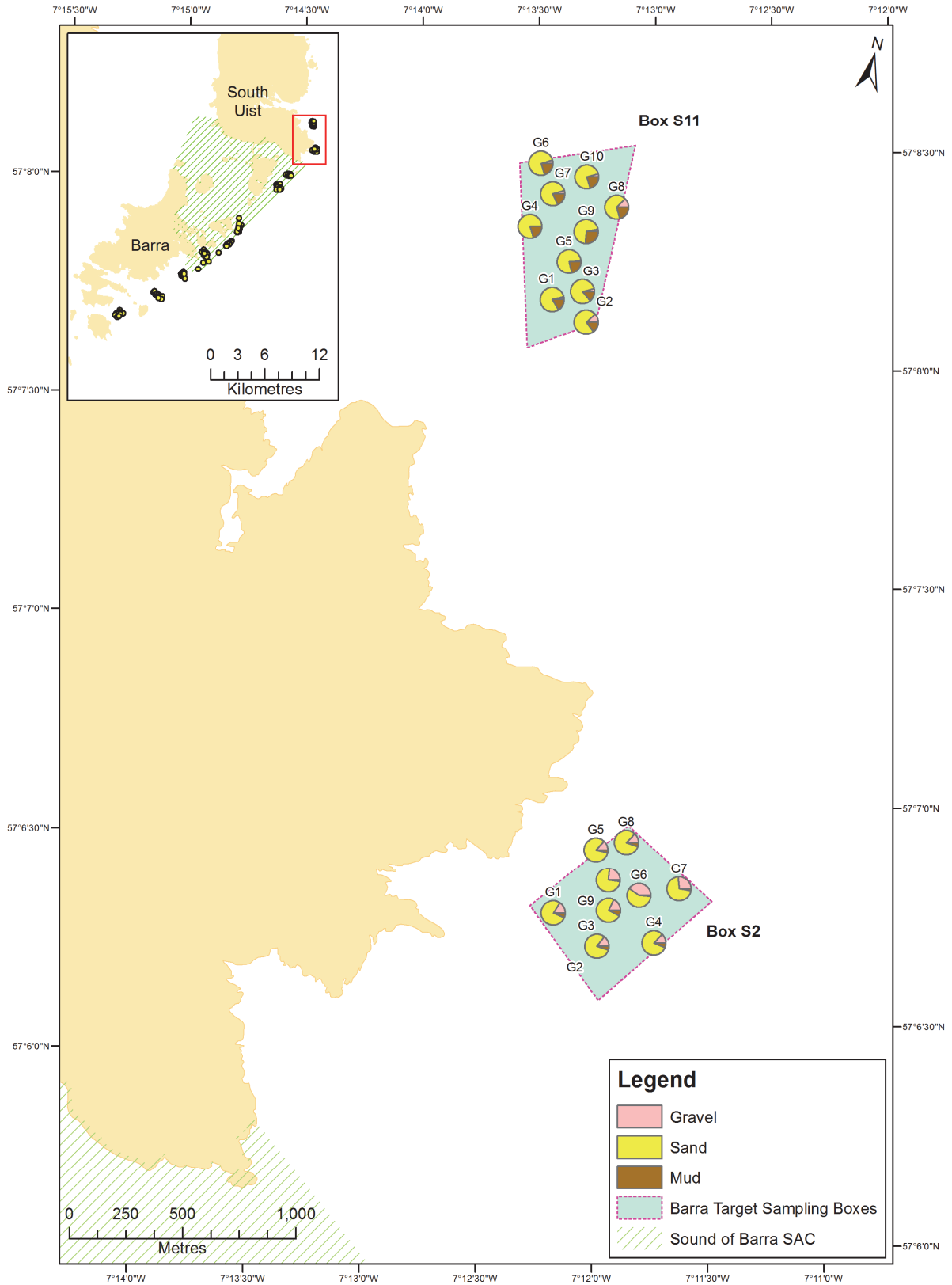
Survey	Sample	Length (mm)	Width (mm)	Breadth (mm)	Comments
Loch Carron	LC-G1	23	19	35	
Loch Carron	LC-G1	14	11	24	
Loch Carron	LC-G1	13	12	23	
Loch Carron	LC-G1	17	13	31	
Loch Carron	LC-G1	18	19	32	
Loch Carron	LC-G1	15	14	27	
Loch Carron	LC-G1	13	10	23	
Loch Carron	LC-G1	14	10	20	
Loch Carron	LC-G1	14	13	28	
Loch Carron	LC-G1	13	9	24	
Loch Carron	LC-G1	7	5	14	
Loch Carron	LC-G1	6	4	12	
Loch Carron	LC-G1	5	3	11	
Loch Carron	LC-G1	6	4	13	
Loch Carron	LC-G1	7	5	15	
Loch Carron	LC-G1	5	3	12	
Loch Carron	LC-G1	10	5	20	
Loch Carron	LC-G1	5	5	12	
Loch Carron	LC-G1	5	2	10	
Loch Carron	LC-G1	5	3	11	
Loch Carron	LC-G1	8	3	16	
Loch Carron	LC-G1	20	8	28	
Loch Carron	LC-G1	7	3	14	
Loch Carron	LC-G1	6	3	13	
Loch Carron	LC-G1	17	-	32	Only one valve
Loch Carron	LC-G1	10	-	16	Only one valve
Loch Carron	LC-G2	13	11	25	
Loch Carron	LC-G2	8	7	16	
Loch Carron	LC-G2	18	14	29	
Loch Carron	LC-G2	16	13	30	
Loch Carron	LC-G2	6	4	13	
Loch Carron	LC-G2	5	3	10	
Loch Carron	LC-G2	7	4	13	
Loch Carron	LC-G3	21	15	3	
Loch Carron	LC-G3	17	-	29	Only one valve
Loch Carron	LC-G3	13	3	12	
Loch Carron	LC-G3	7	9	19	
Loch Carron	LC-G3	18	-	31	Only one valve
Loch Carron	LC-G3	14	13	24	
Loch Carron	LC-G3	6	9	17	
Loch Carron	LC-G3	12	4	12	
Loch Carron	LC-G3	7	4	15	
Loch Carron	LC-G3	7	5	19	
Loch Carron	LC-G3	5	3	13	
Loch Carron	LC-G3	5	2	13	
Loch Carron	LC-G3	7	5	14	
Loch Carron	LC-G3	5	5	12	
Loch Carron	LC-G3	3	1	7	
Loch Carron	LC-G3	7	12	21	
Loch Carron	LC-G3	5	4	9	
Loch Carron	LC-G3	6	6	15	
Loch Carron	LC-G4	17	13	3	
Loch Carron	LC-G4	20	17	32	
Loch Carron	LC-G4	10	1	23	
Loch Carron	LC-G4	7	5	16	
Loch Carron	LC-G4	7	5	15	
Loch Carron	LC-G4	5	3	13	
Loch Carron	LC-G10	2.5	2	3.5	

Survey	Sample	Length (mm)	Width (mm)	Breadth (mm)	Comments
Wester Ross (Loch Broom)	WR-G1	15	11	25	
Wester Ross (Loch Broom)	WR-G1	16	13	30	
Wester Ross (Loch Broom)	WR-G1	17	12	29	
Wester Ross (Loch Broom)	WR-G1	16	11	30	
Wester Ross (Loch Broom)	WR-G1	18	12	35	
Wester Ross (Loch Broom)	WR-G1	22	11	28	
Wester Ross (Loch Broom)	WR-G1	16	10	29	
Wester Ross (Loch Broom)	WR-G1	20	13	30	
Wester Ross (Loch Broom)	WR-G1	5	7	15	
Wester Ross (Loch Broom)	WR-G1	6	4	13	
Wester Ross (Loch Broom)	WR-G1	10	10	20	
Wester Ross (Loch Broom)	WR-G1	12	8	20	
Wester Ross (Loch Broom)	WR-G1	17	13	31	
Wester Ross (Loch Broom)	WR-G1	3	2	5	
Wester Ross (Loch Broom)	WR-G1	18	13	27	
Wester Ross (Loch Broom)	WR-G1	18	15	30	Damaged - one valve missing or broken
Wester Ross (Loch Broom)	WR-G1	10	12	30	Damaged - one valve missing or broken
Wester Ross (Loch Broom)	WR-G1	13	10	20	Damaged - one valve missing or broken
Wester Ross (Loch Broom)	WR-G1	18	15	23	Damaged - one valve missing or broken
Wester Ross (Loch Broom)	WR-G1	10	8	19	
Wester Ross (Loch Broom)	WR-G1	8	5	11	
Wester Ross (Loch Broom)	WR-G1	10	9	13	
Wester Ross (Loch Broom)	WR-G1	10	7	17	Damaged - one valve missing or broken
Wester Ross (Loch Broom)	WR-G1	8	5	10	
Wester Ross (Loch Broom)	WR-G1	5	2	9	
Wester Ross (Loch Broom)	WR-G1	3	2	5	
Wester Ross (Loch Broom)	WR-G1	3	2	5	
Wester Ross (Loch Broom)	WR-G1	3	2	5	
Wester Ross (Loch Broom)	WR-G1	3	2	3	
Wester Ross (Loch Broom)	WR-G1	5	3	7	Damaged - one valve missing or broken
Wester Ross (Loch Broom)	WR-G1	3	2	4	
Wester Ross (Loch Broom)	WR-G1	3	2	4	
Wester Ross (Loch Broom)	WR-G1	5	3	9	Damaged - one valve missing or broken
Wester Ross (Loch Broom)	WR-G1	3	2	7	
Wester Ross (Loch Broom)	WR-G1	4	3	6	Damaged - one valve missing or broken
Wester Ross (Loch Broom)	WR-G3	18	13	33	
Wester Ross (Loch Broom)	WR-G3	3	3	5	
Wester Ross (Loch Broom)	WR-G3	10	7	18	
Wester Ross (Loch Broom)	WR-G3	10	10	20	
Wester Ross (Loch Broom)	WR-G3	15	10	27	
Wester Ross (Loch Broom)	WR-G3	13	15	29	
Wester Ross (Loch Broom)	WR-G4	4.5	2.5	7	
Wester Ross (Loch Broom)	WR-G4	6.5	4	9.5	
Wester Ross (Loch Broom)	WR-G4	8	5	12	
Wester Ross (Loch Broom)	WR-G4	16	12	27	
Wester Ross (Loch Broom)	WR-G4	14	11	23	
Wester Ross (Loch Broom)	WR-G4	15	11	23	
Wester Ross (Loch Broom)	WR-G4	20	14	34.5	

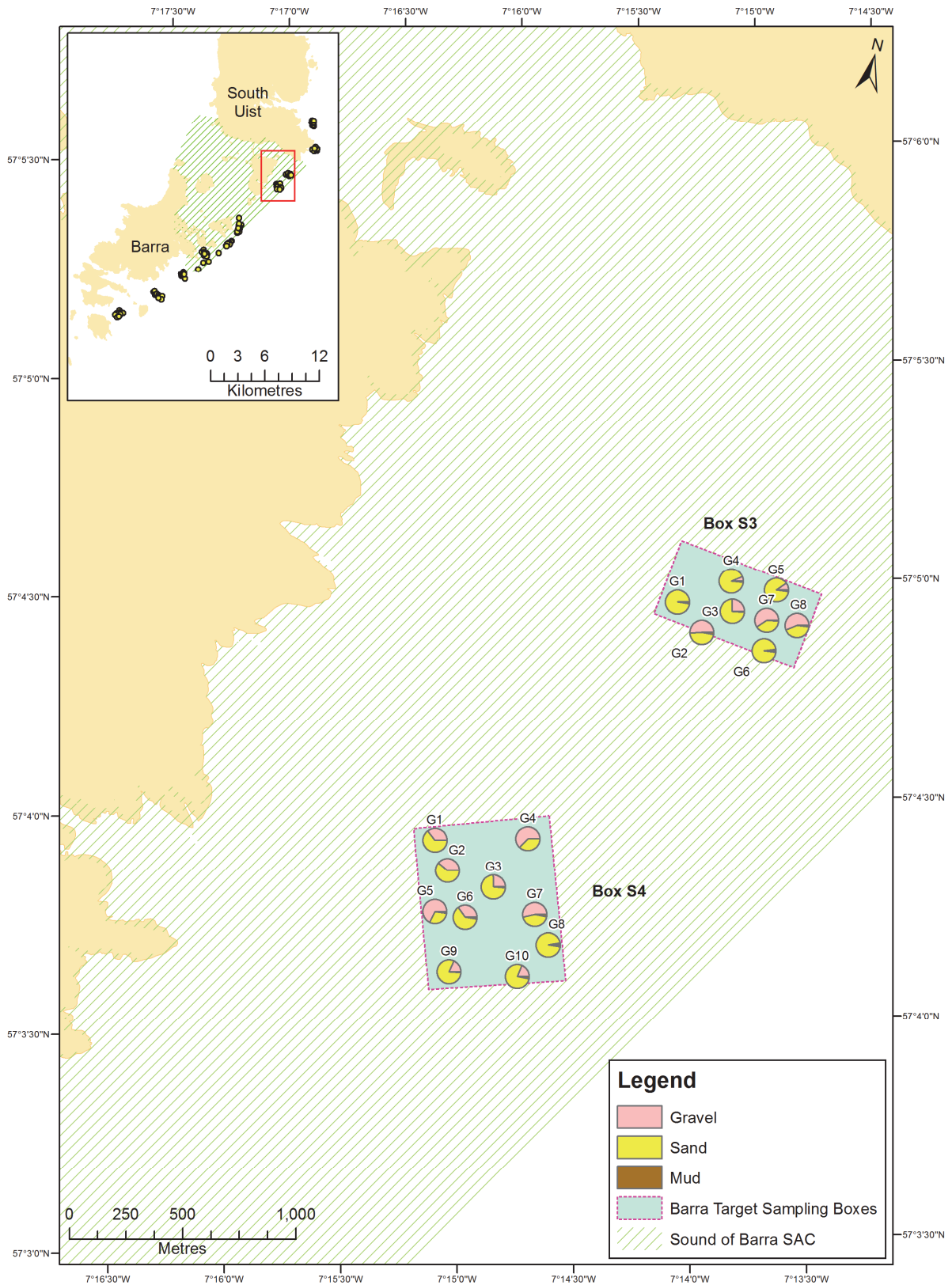
ANNEX 18: AVERAGE PHYSICAL PARAMETERS RECORDED AT THE SOUND OF BARRA SAC SURVEY BOXES

			Median Grain Size (phi)	Median Grain Size (µm)	Sorting (phi)	Skewness (phi)	Kurtosis (phi)	% Gravel	% Sand	% Mud	Depth m BCD
North	S11	Mean	2.14	229.45	2.32	0.23	1.55	5.05	75.70	19.25	36.55
		SD	0.25	41.31	0.30	0.13	0.25	4.05	4.56	3.60	1.49
		% Var	11.70	18.00	13.08	53.93	15.92	80.26	6.03	18.70	4.08
	S2	Mean	0.36	863.60	1.67	0.14	1.30	19.64	75.75	4.62	29.50
		SD	0.70	409.38	0.29	0.18	0.35	9.10	7.67	2.16	5.63
		% Var	194.92	47.40	17.63	126.50	27.10	46.34	10.13	46.79	19.08
SAC	S3	Mean	0.44	1122.03	1.22	0.04	1.35	26.23	71.91	1.85	25.84
		SD	1.50	934.86	0.29	0.27	0.40	25.25	25.16	0.53	1.68
		% Var	344.86	83.32	23.67	662.14	29.63	96.23	34.98	28.81	6.52
	S4	Mean	-0.35	1549.97	1.36	0.07	1.22	35.79	62.52	1.69	26.29
		SD	1.07	865.15	0.35	0.22	0.10	20.68	20.54	0.99	1.12
		% Var	307.23	55.82	25.97	314.83	8.25	57.78	32.85	58.72	4.28
	S5	Mean	-0.59	1673.25	1.12	-0.06	1.30	41.03	57.11	1.86	27.79
		SD	0.81	645.71	0.32	0.15	0.51	19.96	19.29	1.38	1.28
		% Var	137.38	38.59	28.78	273.37	39.07	48.64	33.78	74.53	4.62
	S6	Mean	-1.01	2090.10	0.85	0.08	1.29	51.39	47.63	0.99	27.62
		SD	0.44	591.14	0.08	0.14	0.20	20.31	20.07	0.63	1.72
		% Var	43.91	28.28	8.84	173.00	15.26	39.53	42.14	63.70	6.21
	S7	Mean	0.74	739.38	1.58	0.09	1.18	15.31	79.95	4.75	25.44
		SD	1.04	471.48	0.69	0.31	0.19	12.59	14.68	2.67	4.28
		% Var	140.86	63.77	43.86	347.42	16.09	82.22	18.36	56.17	16.83
South	S8	Mean	0.26	992.50	1.16	-0.06	1.22	20.18	78.68	1.14	27.11
		SD	0.97	543.10	0.23	0.19	0.18	13.15	12.78	0.83	2.64
		% Var	370.55	54.72	19.85	318.34	15.01	65.17	16.25	73.35	9.72
	S9	Mean	0.45	1043.31	1.01	0.02	1.01	20.58	79.02	0.40	28.18
		SD	1.27	887.14	0.31	0.10	0.15	25.94	26.13	0.39	1.70
		% Var	285.42	85.03	31.10	662.37	15.11	126.05	33.07	97.28	6.05
	S10	Mean	0.40	777.86	0.95	-0.14	1.26	12.36	87.47	0.17	24.85
		SD	0.32	184.15	0.47	0.23	0.42	12.81	12.90	0.21	1.67
		% Var	81.06	23.67	49.73	165.54	33.48	103.64	14.75	121.48	6.71

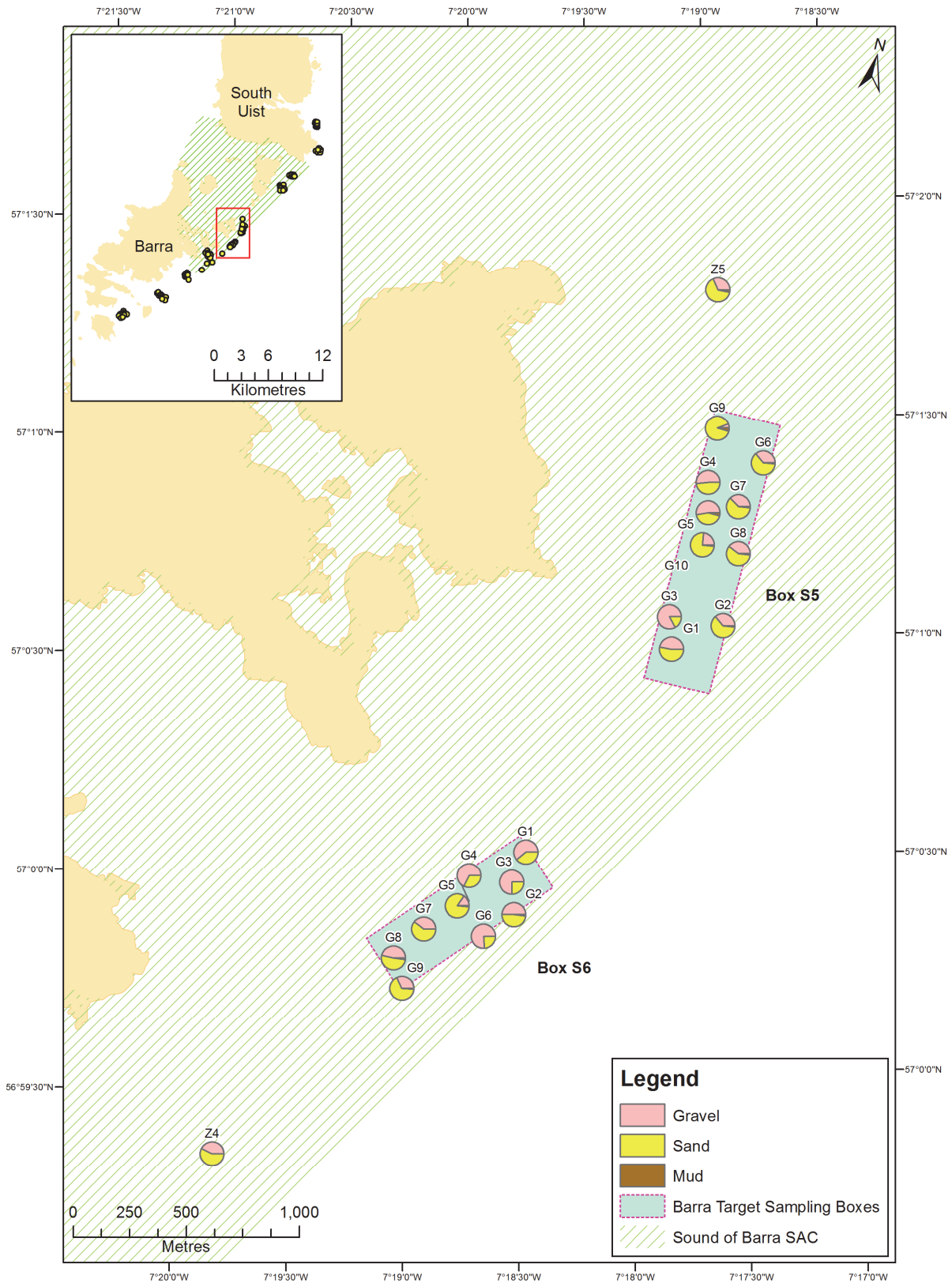
ANNEX 19: SEDIMENT COMPOSITION OF INFAUNAL SAMPLES AT THE SOUND OF BARRA SAC



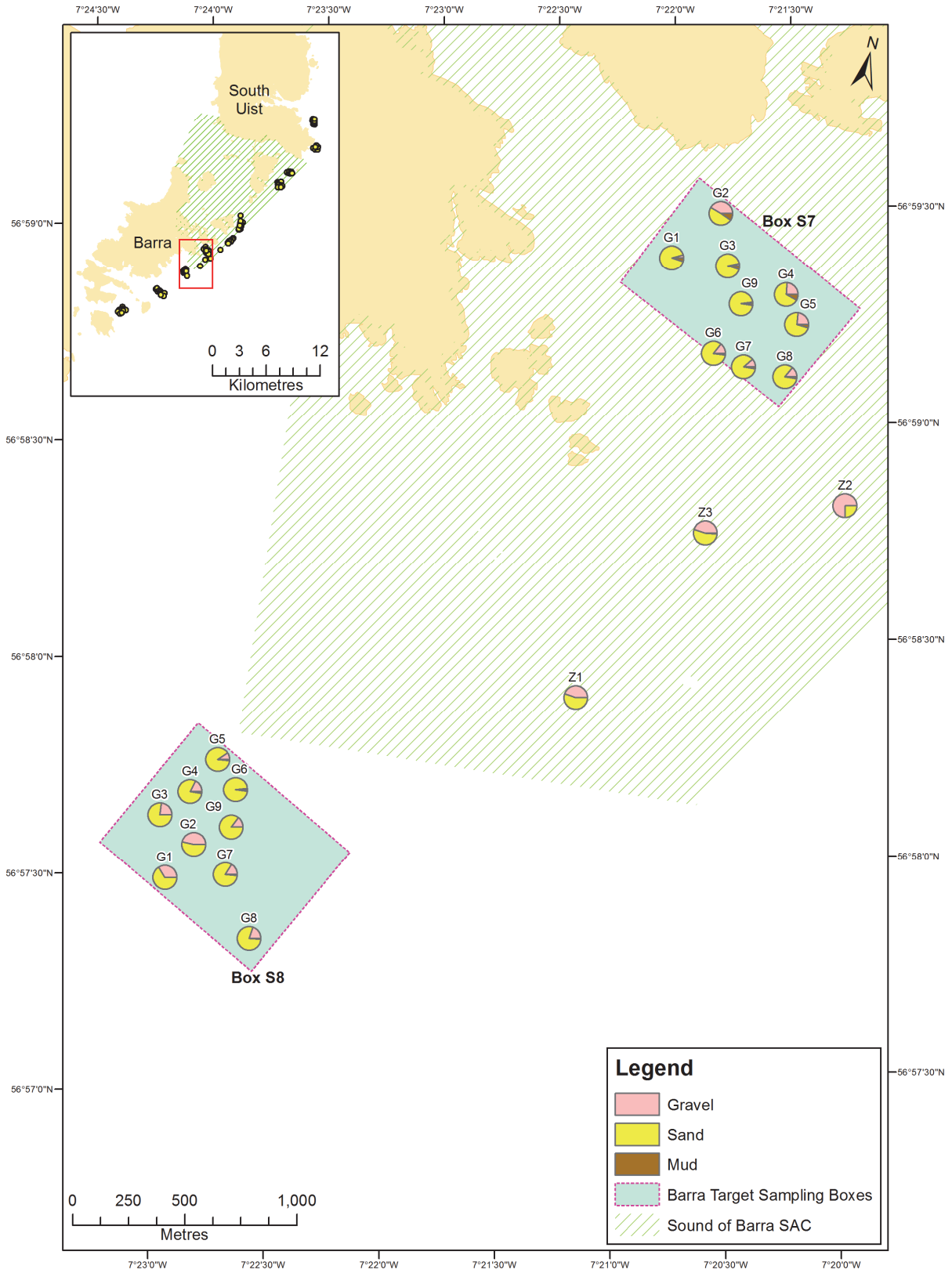
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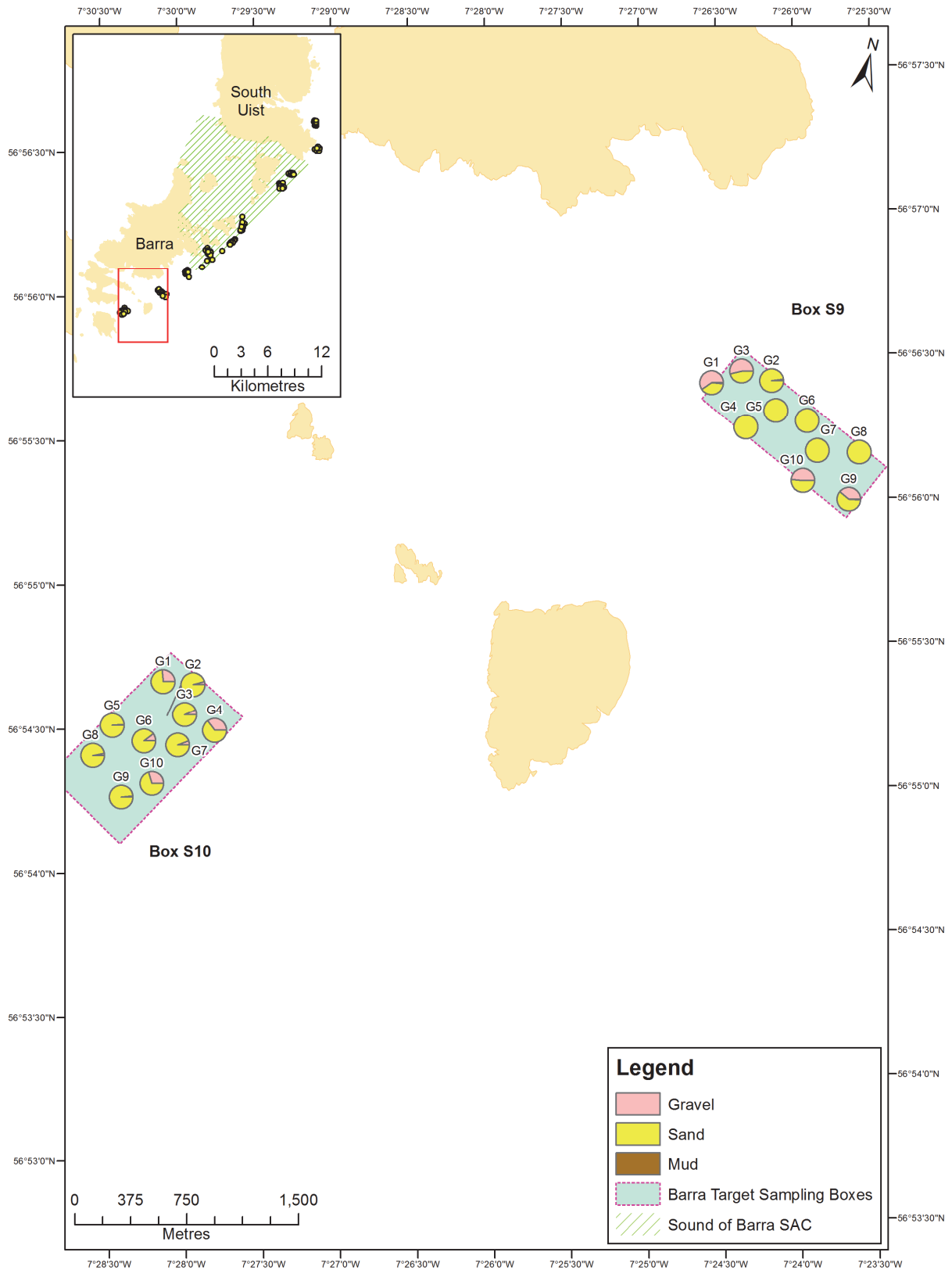
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ANNEX 20: BIOLOGICAL PARAMETERS – SOUND OF BARRA

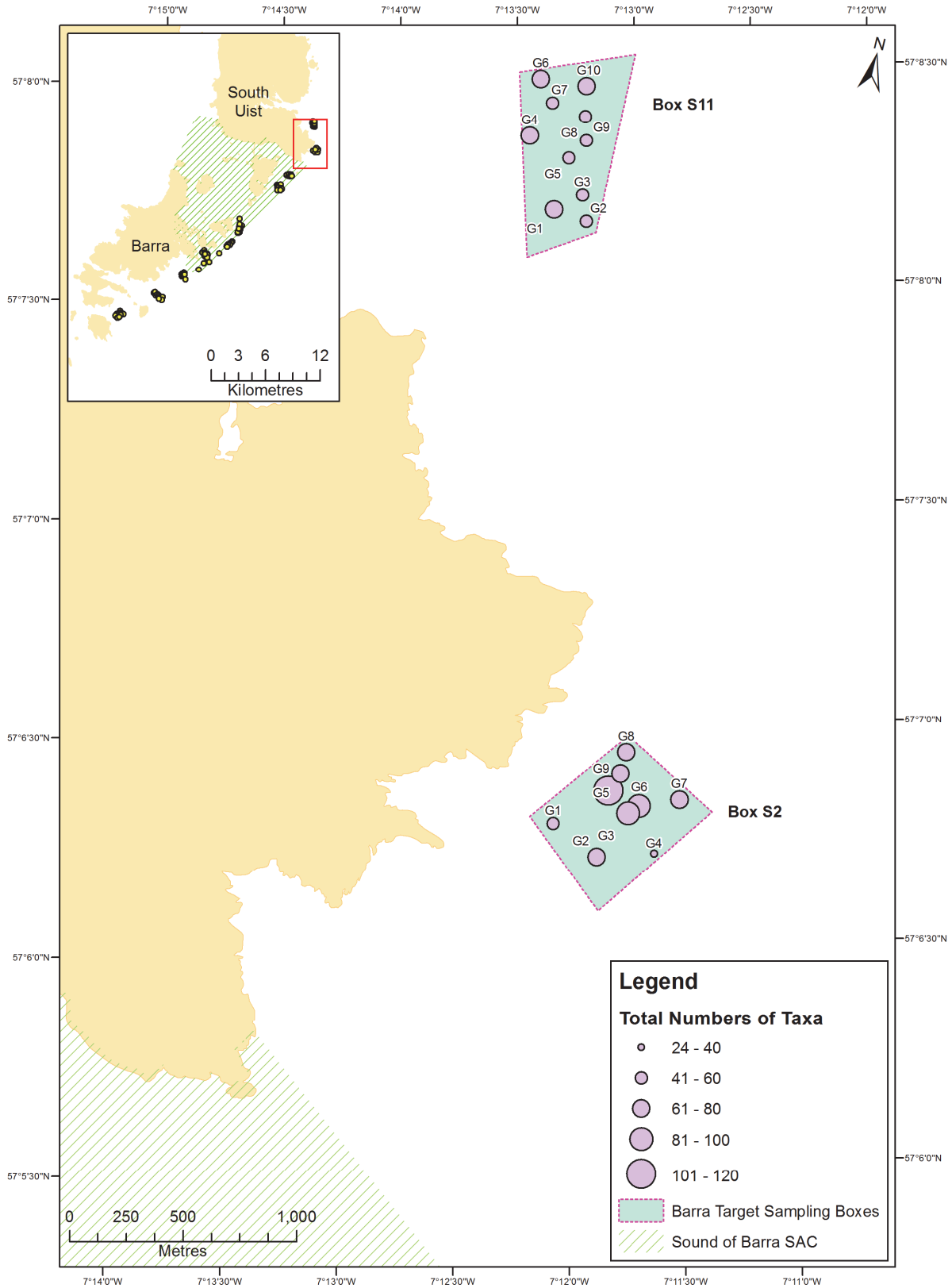
Station	Number of Species (Quantitative)	Total Number of Species	Total Abundance	Margalef's d	Pielou's Evenness J	Shannon's Diversity H'
S2-G01	49	51	221	8.89	0.72	4.02
S2-G02	57	63	130	11.50	0.87	5.08
S2-G03	79	87	331	13.44	0.87	5.48
S2-G04	32	35	76	7.16	0.89	4.45
S2-G05	54	71	238	9.69	0.77	4.41
S2-G06	85	91	542	13.34	0.75	4.80
S2-G07	65	74	213	11.94	0.91	5.46
S2-G08	67	72	787	9.90	0.66	3.98
S2-G09	90	104	627	13.82	0.77	4.97
S3-G01	37	37	191	6.85	0.71	3.71
S3-G02	92	103	761	13.72	0.81	5.27
S3-G03	42	45	160	8.08	0.83	4.48
S3-G04	37	39	102	7.78	0.91	4.73
S3-G05	31	31	88	6.70	0.84	4.16
S3-G06	49	51	134	9.80	0.90	5.07
S3-G07	57	62	328	9.67	0.72	4.18
S3-G08	67	69	264	11.84	0.82	4.98
S4-G01	38	46	222	6.85	0.71	3.75
S4-G02	49	57	402	8.00	0.72	4.06
S4-G03	51	60	130	10.27	0.87	4.94
S4-G04	48	60	459	7.67	0.70	3.88
S4-G05	77	80	593	11.90	0.78	4.89
S4-G06	64	74	509	10.11	0.72	4.34
S4-G07	75	85	569	11.66	0.78	4.89
S4-G08	42	45	213	7.65	0.82	4.40
S4-G09	75	90	553	11.72	0.76	4.76
S4-G10	38	40	128	7.63	0.89	4.68
S5-G01	48	51	386	7.89	0.73	4.09
S5-G02	68	79	403	11.17	0.83	5.04
S5-G03	79	92	1188	11.02	0.68	4.30
S5-G04	37	42	175	6.97	0.81	4.19
S5-G05	52	60	165	9.99	0.87	4.94
S5-G06	32	36	228	5.71	0.70	3.52
S5-G07	44	49	190	8.20	0.79	4.31
S5-G08	53	59	258	9.36	0.77	4.40
S5-G09	47	49	169	8.97	0.78	4.34
S5-G10	61	71	605	9.37	0.77	4.57
S6-G01	47	59	233	8.44	0.81	4.49
S6-G02	68	72	550	10.62	0.72	4.40
S6-G03	59	67	374	9.79	0.74	4.34
S6-G04	53	61	345	8.90	0.75	4.27
S6-G05	75	81	455	12.09	0.77	4.83
S6-G06	47	56	486	7.44	0.72	4.00
S6-G07	41	47	208	7.49	0.79	4.21
S6-G08	66	75	868	9.61	0.67	4.08
S6-G09	53	56	303	9.10	0.78	4.45
S7-G01	55	57	168	10.54	0.87	5.06
S7-G02	92	96	317	15.80	0.87	5.71
S7-G03	27	30	122	5.41	0.79	3.74
S7-G04	97	100	404	16.00	0.74	4.87
S7-G05	58	66	174	11.05	0.90	5.28
S7-G06	69	82	595	10.64	0.84	5.11
S7-G07	67	75	277	11.74	0.86	5.21
S7-G08	63	71	440	10.19	0.70	4.19

Station	Number of Species (Quantitative)	Total Number of Species	Total Abundance	Margalef's d	Pielou's Evenness J	Shannon's Diversity H'
S7-G09	62	65	550	9.67	0.63	3.76
S8-G01	47	50	330	7.93	0.74	4.09
S8-G02	62	67	585	9.57	0.72	4.31
S8-G03	44	48	193	8.17	0.80	4.38
S8-G04	78	87	625	11.96	0.77	4.83
S8-G05	41	42	214	7.45	0.76	4.07
S8-G06	26	27	79	5.72	0.85	3.99
S8-G07	47	48	300	8.06	0.75	4.14
S8-G08	66	72	293	11.44	0.85	5.14
S8-G09	44	46	305	7.52	0.77	4.20
S9-G01	67	75	702	10.07	0.74	4.49
S9-G02	29	29	133	5.73	0.85	4.14
S9-G03	68	75	468	10.90	0.76	4.61
S9-G04	33	33	321	5.54	0.69	3.50
S9-G05	25	25	204	4.51	0.76	3.55
S9-G06	24	24	90	5.11	0.83	3.80
S9-G07	32	32	182	5.96	0.72	3.59
S9-G08	29	30	147	5.61	0.74	3.58
S9-G09	59	66	351	9.90	0.75	4.39
S9-G10	47	55	206	8.63	0.82	4.57
S10-G01	42	51	294	7.21	0.76	4.12
S10-G02	32	33	123	6.44	0.83	4.16
S10-G03	31	33	161	5.90	0.87	4.30
S10-G04	31	41	182	5.76	0.79	3.90
S10-G05	28	31	157	5.34	0.74	3.54
S10-G06	37	43	167	7.03	0.79	4.11
S10-G07	38	43	181	7.12	0.82	4.29
S10-G08	32	38	142	6.26	0.82	4.12
S10-G09	28	30	143	5.44	0.67	3.24
S10-G10	48	67	166	9.19	0.79	4.42
S11-G01	65	69	178	12.35	0.87	5.23
S11-G02	53	54	97	11.37	0.95	5.43
S11-G03	42	48	84	9.25	0.90	4.84
S11-G04	69	69	276	12.10	0.77	4.68
S11-G05	46	50	100	9.77	0.88	4.87
S11-G06	68	69	131	13.74	0.89	5.40
S11-G07	42	48	125	8.49	0.79	4.25
S11-G08	48	52	114	9.92	0.91	5.05
S11-G09	53	55	140	10.52	0.90	5.14
S11-G10	61	75	193	11.40	0.81	4.81
Z1	71	84	590	10.97	0.77	4.72
Z2	88	108	547	13.80	0.80	5.15
Z3	77	90	598	11.89	0.76	4.76
Z4	48	63	287	8.30	0.72	4.00
Z5	79	94	763	11.75	0.70	4.44

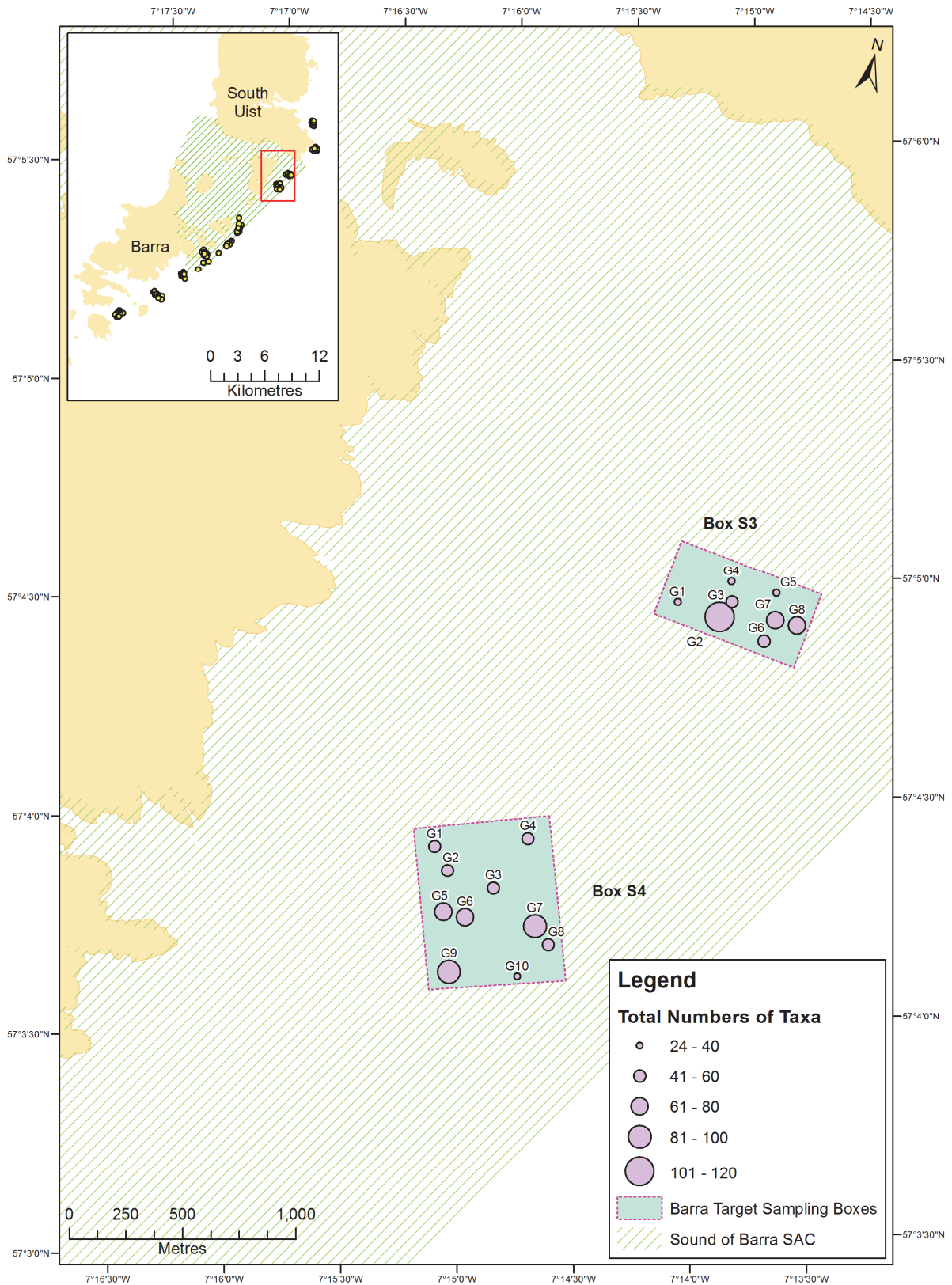
ANNEX 21: AVERAGE PRIMARY AND DERIVED BIOLOGICAL PARAMETERS RECORDED AT THE SOUND OF BARRA SAC SURVEY AREAS

			Number of Species (Quantitative)	Total Number of Species	Total Abundance	Margalef's d	Pielou's Evenness J	Shannon's Diversity H'
North	S11	Mean	54.70	58.90	143.80	10.89	0.87	4.97
		SD	10.41	10.38	57.90	1.60	0.06	0.36
		% Var	19.04	17.62	40.26	14.67	6.65	7.19
	S2	Mean	64.22	72.00	351.67	11.08	0.80	4.74
		SD	18.54	20.93	244.01	2.31	0.09	0.56
		% Var	28.87	29.08	69.39	20.84	11.05	11.88
SAC	S3	Mean	51.50	54.63	253.50	9.30	0.82	4.57
		SD	20.17	23.36	220.55	2.47	0.07	0.54
		% Var	39.17	42.76	87.00	26.59	8.98	11.73
	S4	Mean	55.70	63.70	377.80	9.35	0.78	4.46
		SD	15.66	17.68	186.55	1.99	0.07	0.44
		% Var	28.12	27.76	49.38	21.30	8.60	9.90
	S5	Mean	52.10	58.80	376.70	8.86	0.77	4.37
		SD	14.13	17.37	318.12	1.72	0.06	0.43
		% Var	27.12	29.54	84.45	19.41	7.19	9.80
	S6	Mean	56.56	63.78	424.67	9.27	0.75	4.34
		SD	11.27	10.80	201.35	1.48	0.04	0.24
		% Var	19.93	16.94	47.41	15.96	5.48	5.63
	S7	Mean	65.56	71.33	338.56	11.23	0.80	4.77
		SD	20.54	21.04	170.43	3.20	0.09	0.70
		% Var	31.34	29.49	50.34	28.54	11.56	14.73
South	S8	Mean	50.56	54.11	324.89	8.65	0.78	4.35
		SD	15.53	18.05	176.75	2.00	0.05	0.39
		% Var	30.71	33.36	54.40	23.12	5.88	8.90
	S9	Mean	41.30	44.40	280.40	7.20	0.77	4.02
		SD	17.46	21.01	187.50	2.40	0.05	0.46
		% Var	42.26	47.32	66.87	33.34	6.78	11.54
	S10	Mean	34.70	41.00	171.60	6.57	0.79	4.02
		SD	6.48	11.26	46.68	1.15	0.05	0.37
		% Var	18.68	27.47	27.20	17.44	6.94	9.17

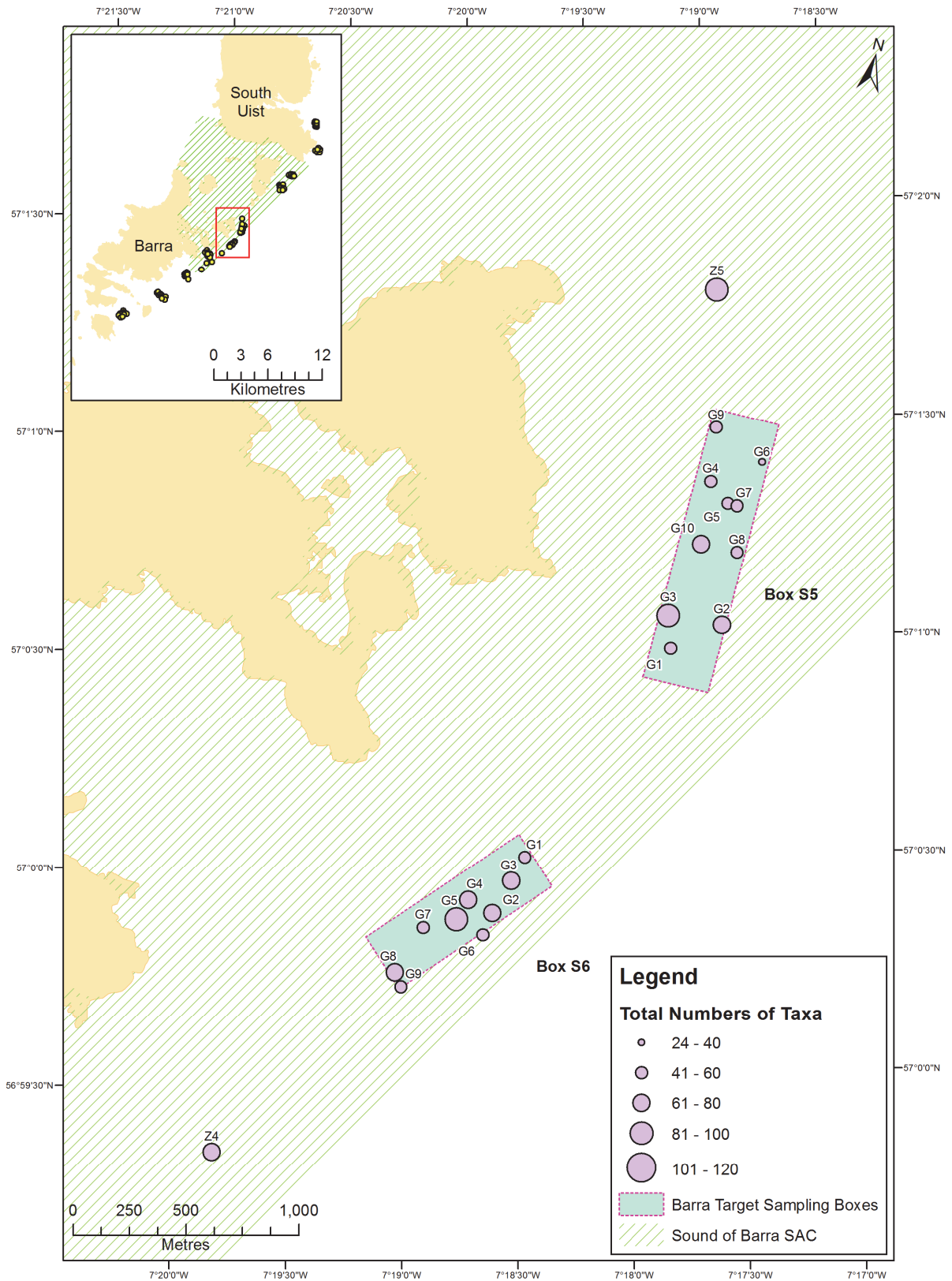
ANNEX 22: TOTAL NUMBERS OF TAXA (INCLUDING QUALITATIVE SPECIES) COLLECTED AT THE SOUND OF BARRA SAC



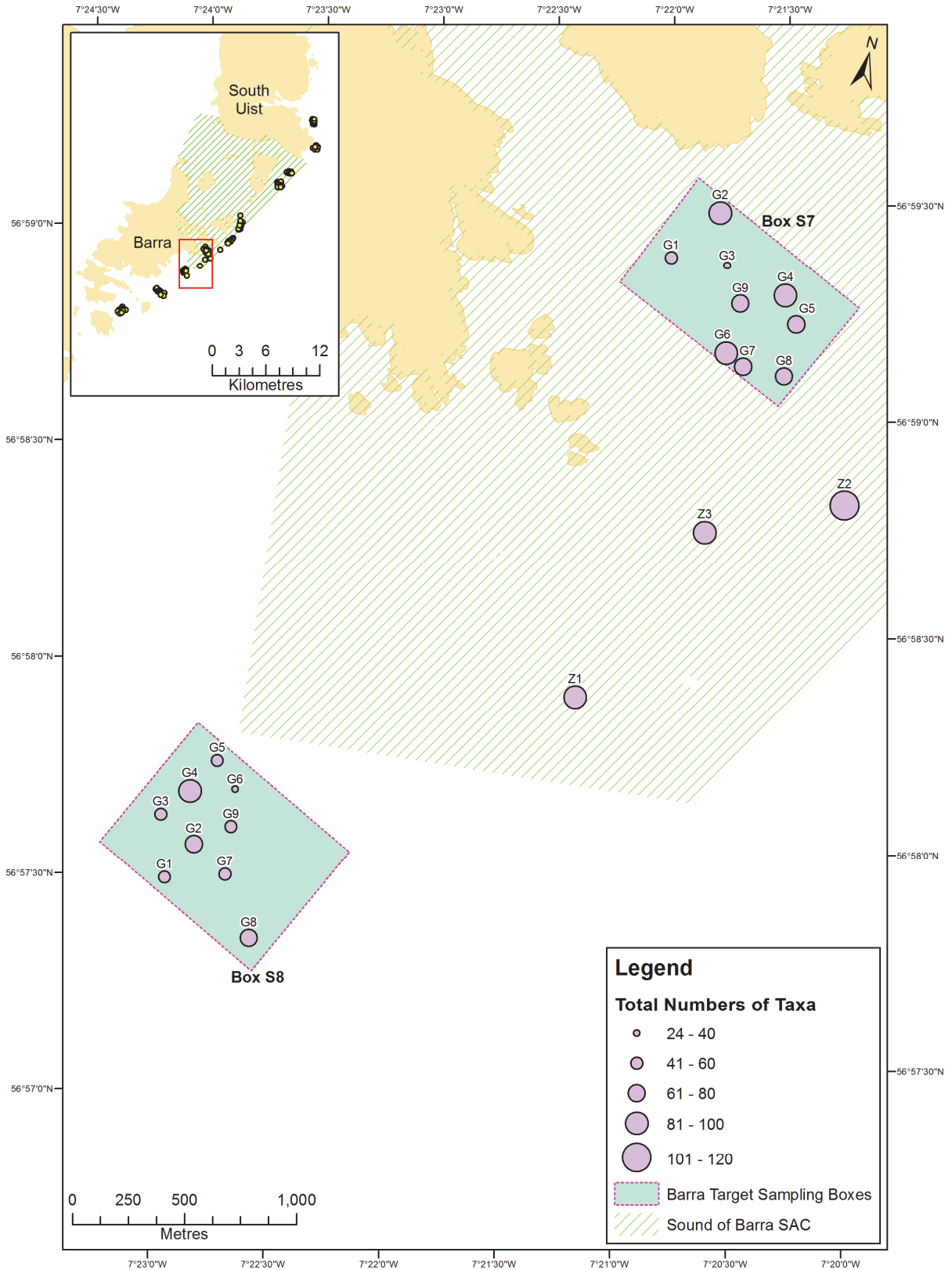
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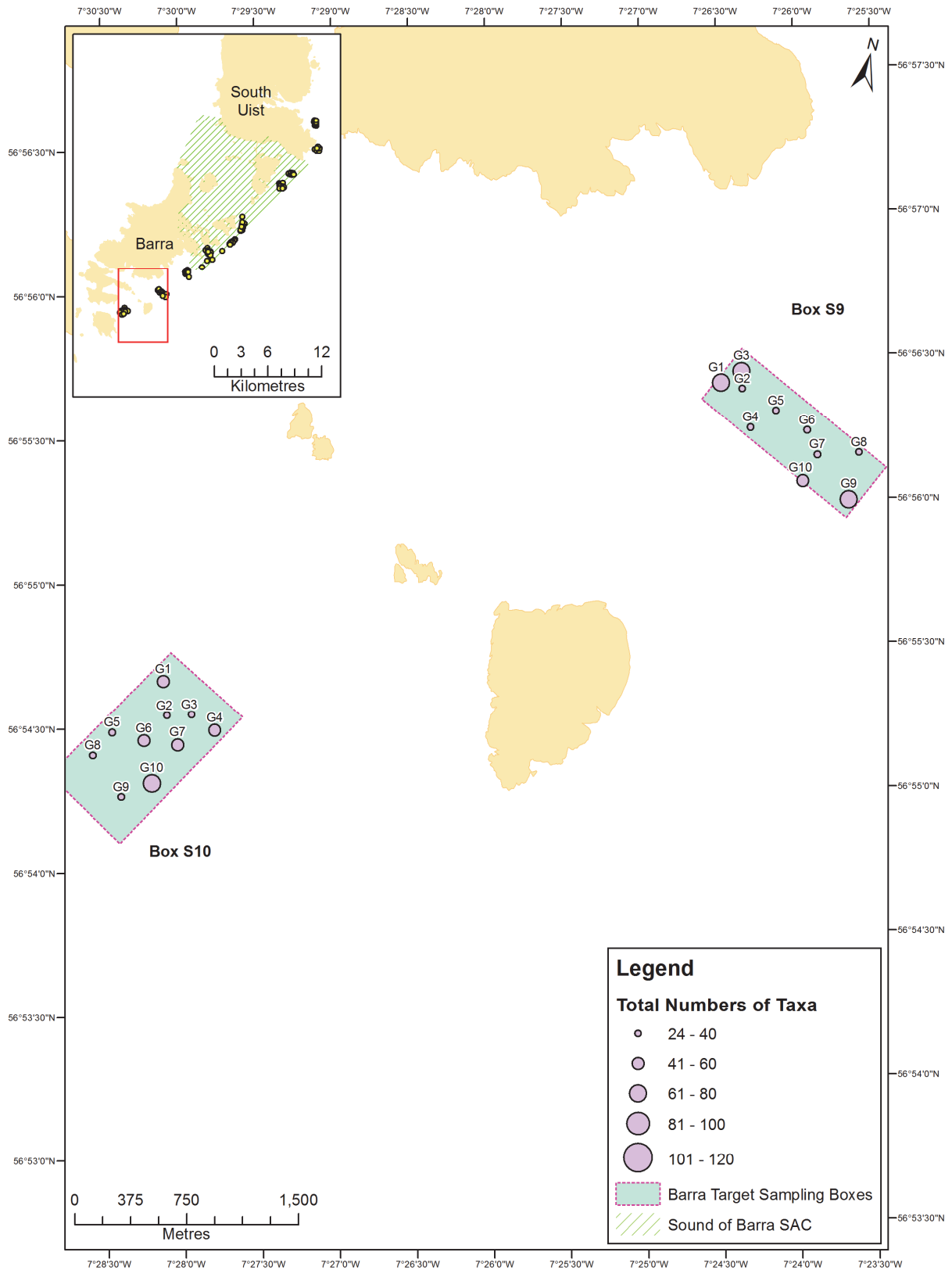
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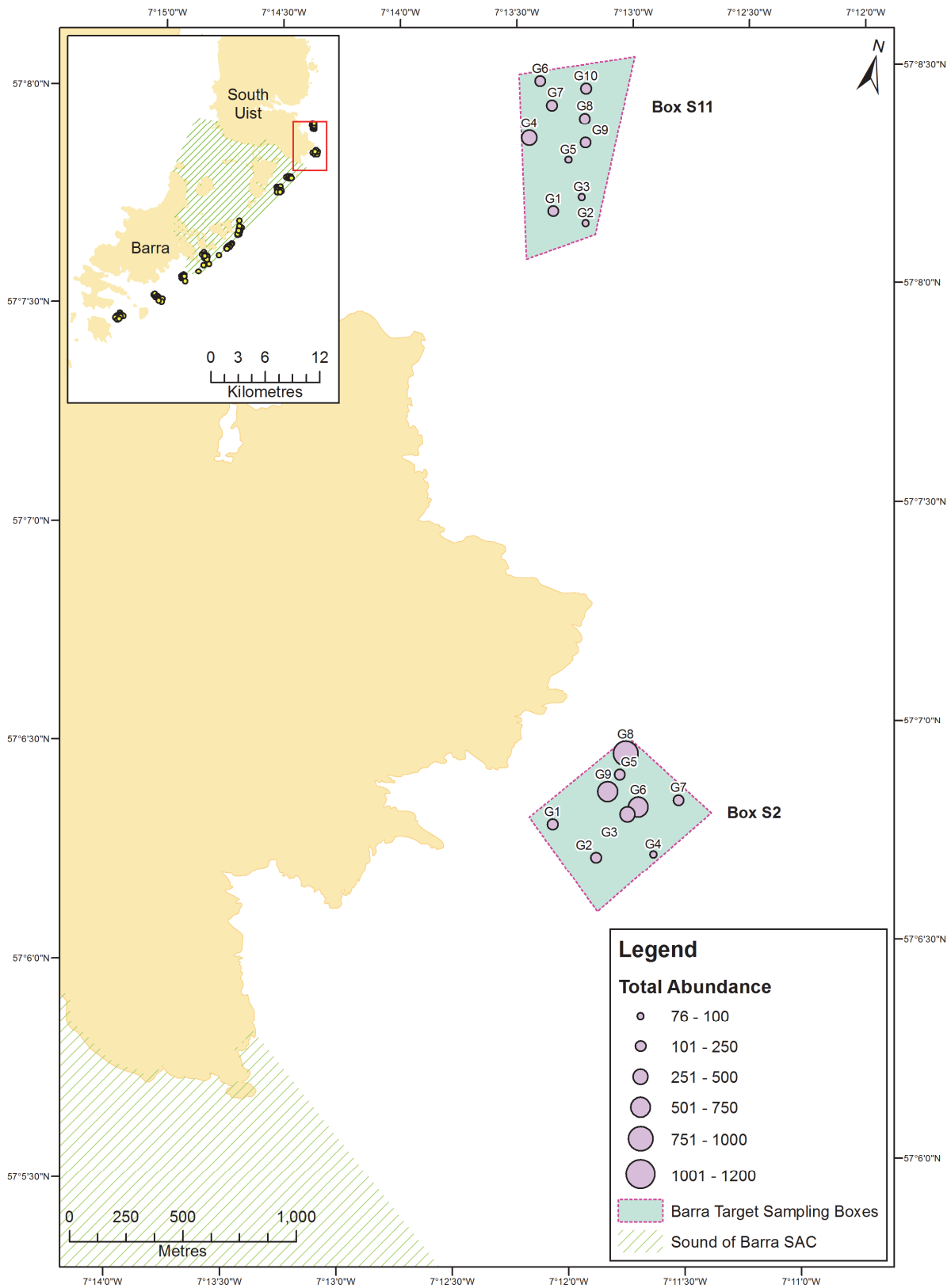


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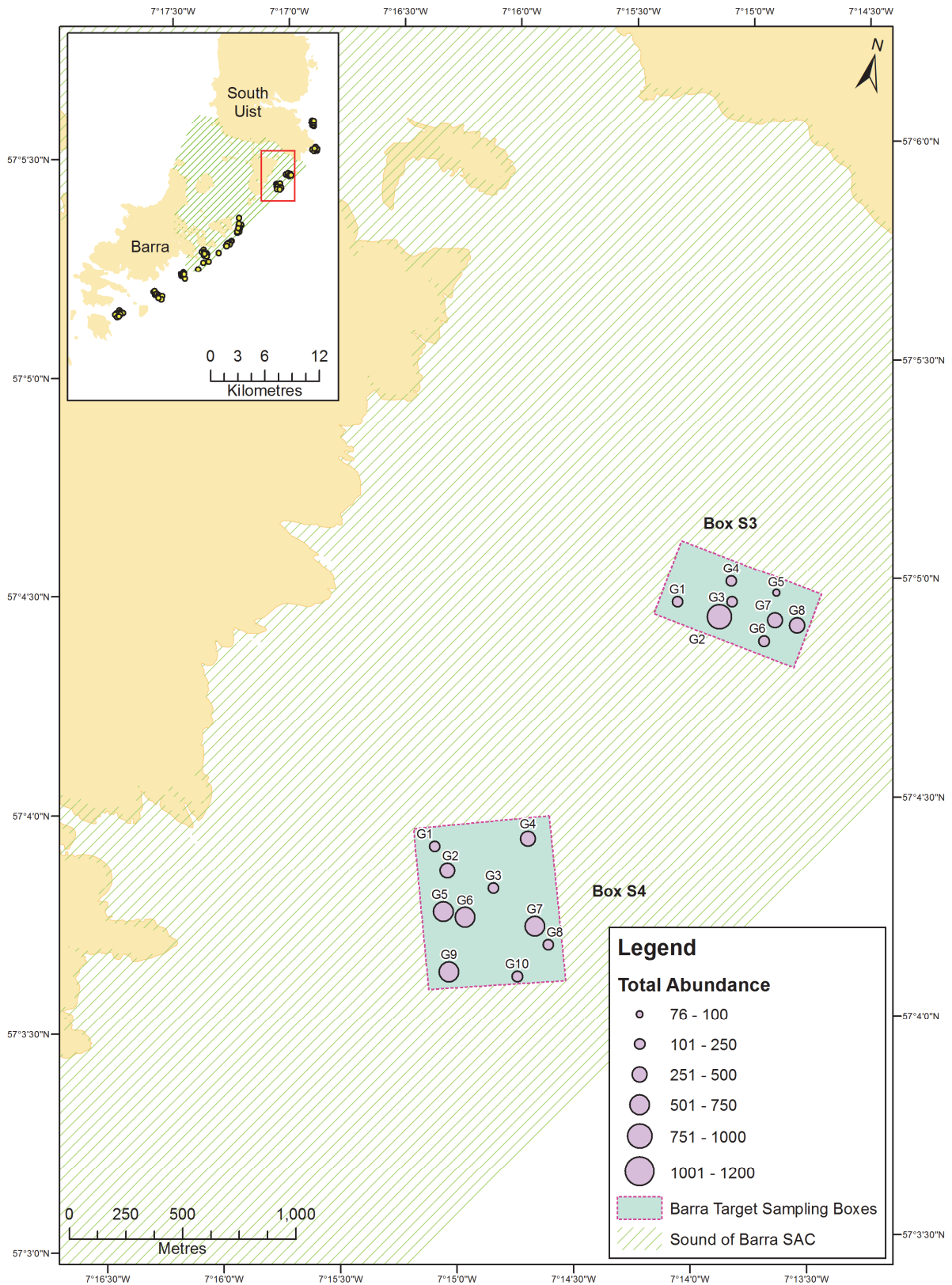


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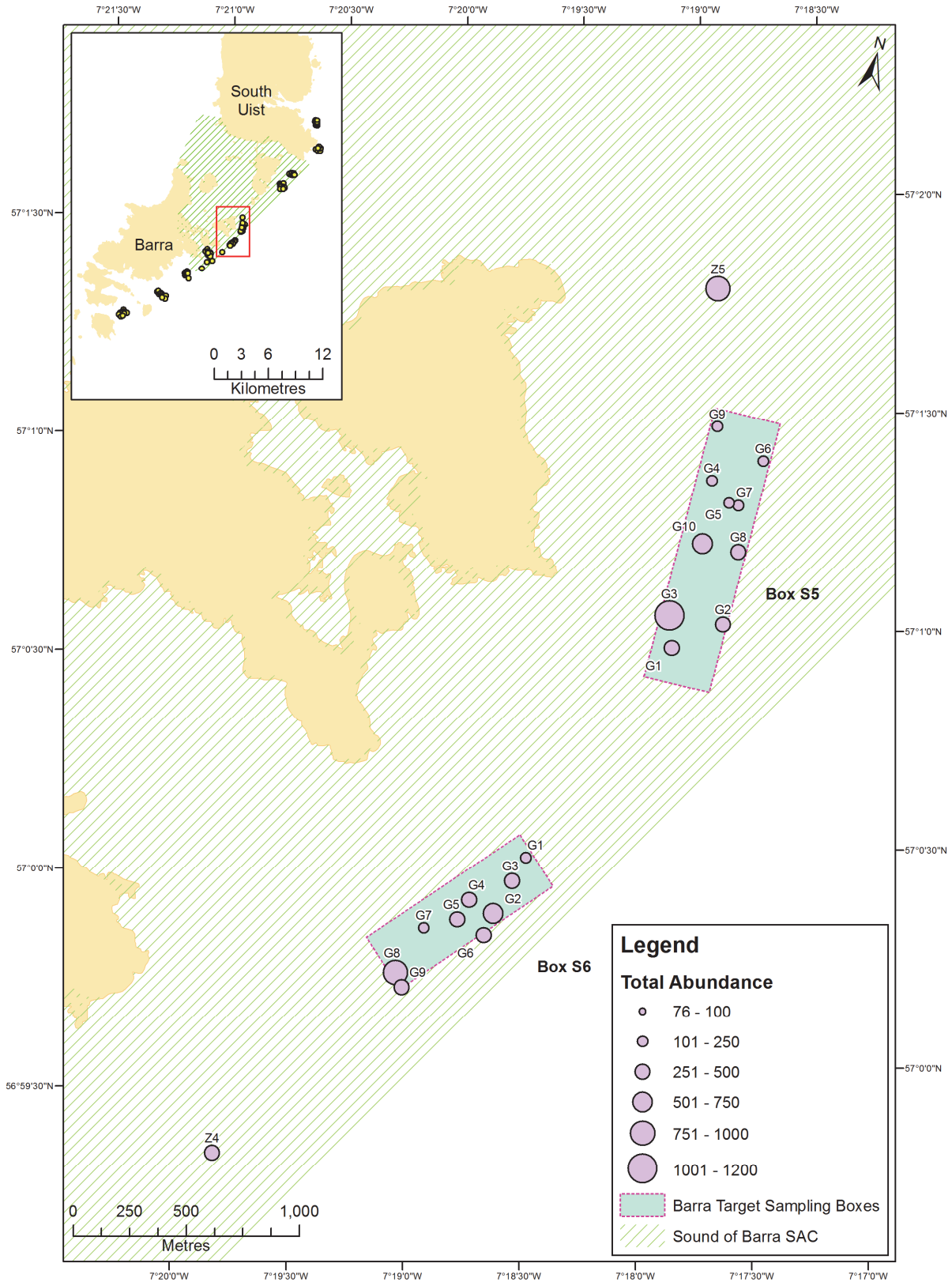
ANNEX 23: TOTAL ABUNDANCE (NUMBERS OF INDIVIDUALS) WITHIN INFAUNAL SAMPLES COLLECTED AT THE SOUND OF BARRA SAC



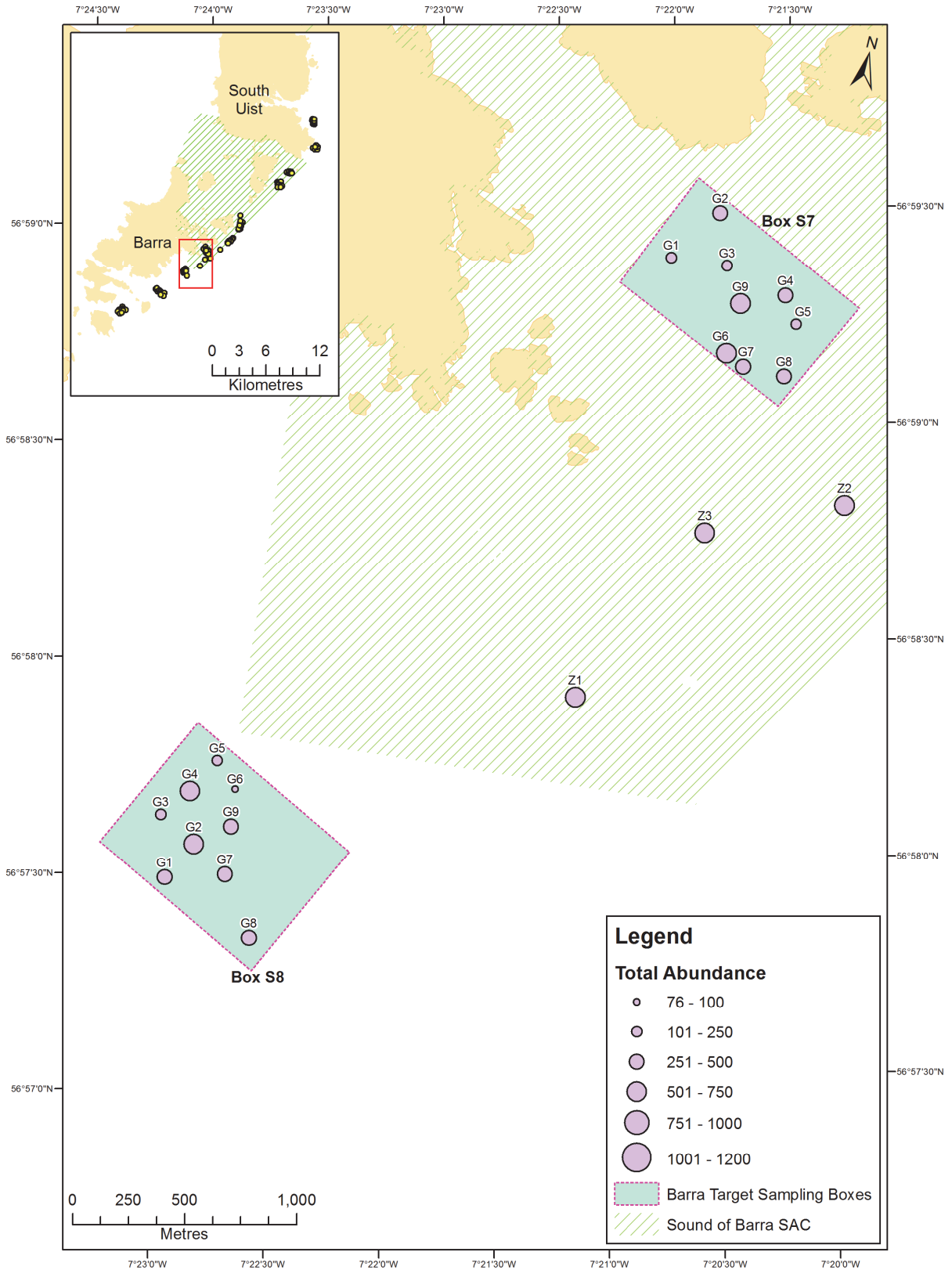
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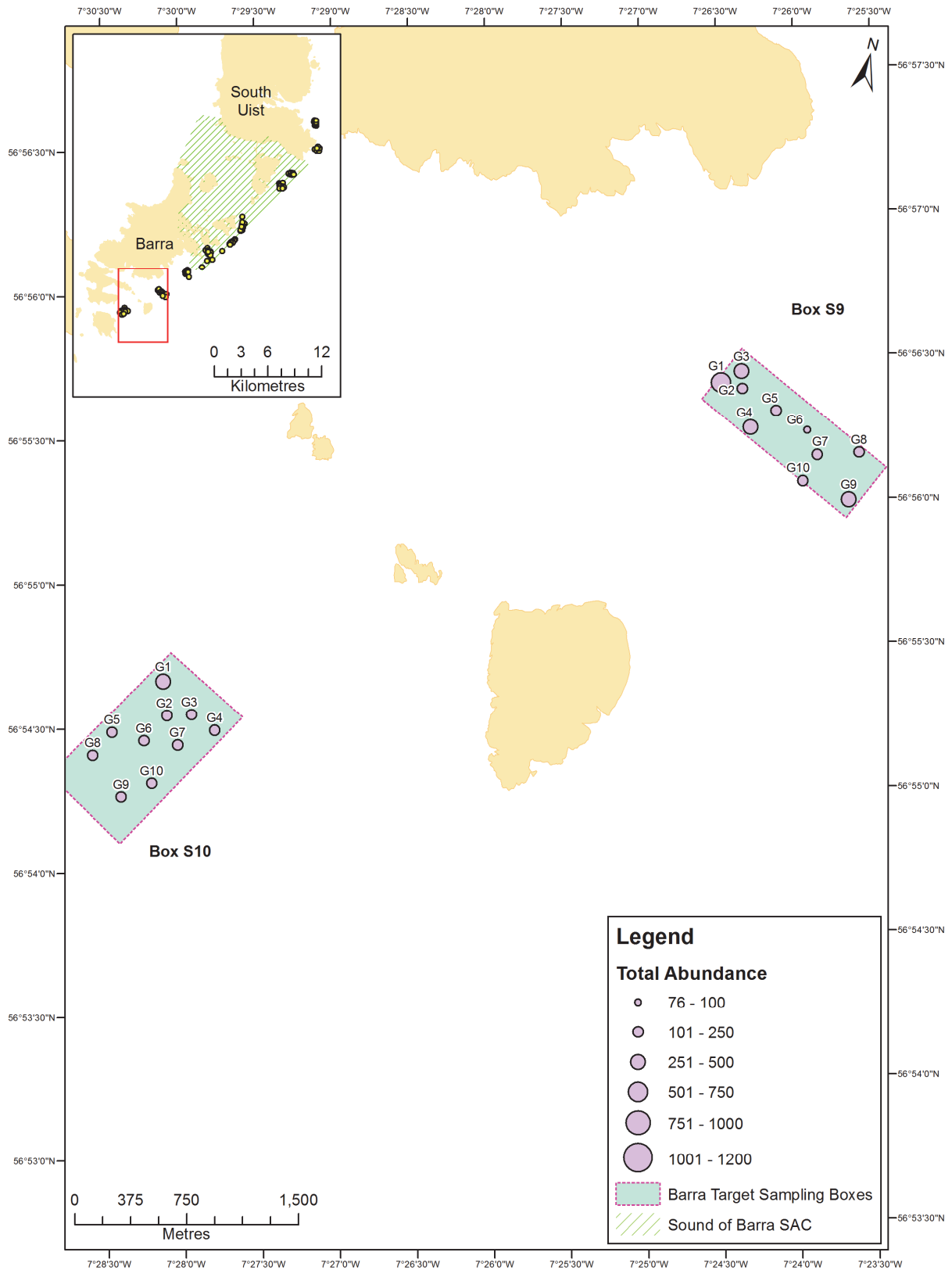
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ANNEX 24: SPECIES DATA – SOUND OF BARRA

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Grania</i>				7		4	1	6		26	5	23	3			
<i>Tubificoides benedii</i>																
<i>Oligochaeta</i>	(damaged)															1
<i>Pareurythoe borealis</i>																
<i>Protodorvillea kefersteini</i>		1	1			2	4		10	13	2					
<i>Schistomeringos neglecta</i>																
<i>Eunice vittata</i>																
<i>Eunice</i>	(damaged)															
<i>Lysidice unicornis</i>			1	3			1					1		2	1	1
<i>Abyssoninoe hibernica</i>				1												
<i>Lumbrineris aniana/cingulata</i> agg.	<i>L. aniana/cingulata</i> agg.	3														
<i>Lumbrineris</i>			1													
<i>Scoletoma magnidentata</i>																
<i>Lumbrineridae</i>							1				1			2	2	
<i>Notocirrus scoticus</i>																
<i>Aponuphis bilineata</i>		7	4	2	5	7	6	1		6		1	1	2	1	2
<i>Nothria conchylega</i>																
<i>Aphrodita aculeata</i>															1	
<i>Glycera alba</i>																
<i>Glycera celtica</i>				2												
<i>Glycera fallax</i>										1						1
<i>Glycera lapidum</i>		1	2	4	3	10	5	2	9	8	4	9	4	4		5
<i>Glycera oxycephala</i>																
<i>Glycera</i>	(juvenile)									3			3			
<i>Glyceridae</i>	(juvenile)															
<i>Glycinde nordmanni</i>				1		1		1		1		1				
<i>Goniada maculata</i>										1						
<i>Goniadella gracilis</i>				6		1	4	1	2			2				
<i>Goniadidae</i>	(damaged)															
<i>Gyptis propinqua</i>								2								
<i>Gyptis</i>	(damaged)												1			
<i>Hesiospina aurantiaca</i>																
<i>Oxydromus</i>											1					
<i>Podarkeopsis capensis</i>																
<i>Psamathe fusca</i>				8		3	1	3	12	5		8				
<i>Lacydonia miranda</i>							2					1				
<i>Aglaophamus agillis</i>					3	p	1	1	1				1			1
<i>Nephtys assimilis</i>		1											1			
<i>Nephtys caeca</i>																
<i>Nephtys cirrosa</i>											1					3
<i>Nephtys hombergii</i>															1	
<i>Nephtys kersivalensis</i>			1													
<i>Nephtys</i>	(juvenile/damaged)			1												
<i>Nephtyidae</i>	(juvenile)													1		
<i>Eunereis longissima</i>									1							
<i>Platynereis dumerilii</i>																
<i>Pholoe baltica</i>							1					1				
<i>Pholoe inornata</i>				1		1	4	1	2	2		3				
<i>Eteone longa/flava</i> agg.	<i>E. longa/flava</i> agg.			1	1					5	1					1
<i>Eulalia aurea</i>																
<i>Eulalia bilineata</i>				2							1	1				
<i>Eulalia expusilla</i>							1									

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Eulalia mustela</i>			2			1		3	1				2			
<i>Eulalia tripunctata</i>	?															
<i>Eulalia viridis</i>																
<i>Eulalia</i>																
<i>Eumida bahusiensis</i>					1							5				
<i>Eumida sanguinea</i>				3		1		4		4						
<i>Eumida</i>	(juvenile)															
<i>Hesionura elongata</i>										6						
<i>Mystides caeca</i>																
<i>Nereiphylla rubiginosa</i>				1		1	3			1		2				
<i>Notophyllum fallosum</i>							1									
<i>Paranaitis kosteriensis</i>																1
<i>Phylloceae groenlandica</i>																
<i>Phylloceae lineata</i>																1
<i>Pseudomystides limbata</i>				1		1	2		3							
<i>Phyllocidae</i>	(juvenile)															
<i>Gattyana cirrhosa</i>																
<i>Harmathoe impar</i>										1						
<i>Harmathoe</i>				1									1			
<i>Lepidonotus clava</i>																
<i>Lepidonotus squamatus</i>														1		
<i>Malmgrenia ljungmani</i>									2							1
<i>Malmgrenia morphysae</i>																
<i>Malmgrenia mcintoshi</i>													1			
<i>Malmgrenia</i>	(juvenile/damaged)						2						3			
<i>Polynoidae</i>					1								1			
<i>Fimbriosthenelais zetlandica</i>																
<i>Pisione remota</i>						1	1		21	7		4	5			
<i>Sigalion</i>	(juvenile)															
<i>Sthenelais limicola</i>																
<i>Ephesiella abyssorum</i>								2				2				
<i>Sphaerodorium minutum</i>									1							
<i>Sphaerodorium gracilis</i>													1			
<i>Amblyosyllis</i>	(damaged)															
<i>Brevicirrosyllis weismanni</i>																
<i>Diaplosyllis cirrosa</i>																
<i>Eurysyllis tuberculata</i>		1				2	1		1	2		2				
<i>Exogone naidina</i>																
<i>Exogone verugera</i>														6		1
<i>Odontosyllis fulgurans</i>				3		1				1						
<i>Odontosyllis gibba</i>									1				4			
<i>Odontosyllis</i>	(juvenile/damaged)															
<i>Palposyllis prosostoma</i>																
<i>Parexogone hebes</i>																
<i>Palposyllis propeweismanni</i>	?															
<i>Pionosyllis</i>																
<i>Sphaerosyllis bulbosa</i>				3		1	4	3	4	10		7				
<i>Sphaerosyllis hystrix</i>																
<i>Sphaerosyllis taylari</i>				1			2				1	4	2			
<i>Sphaerosyllis</i>																
<i>Streptodonta pterochaeta</i>																
<i>Syllis armillaris</i>	(agg. group)									3						
<i>Syllis licheri</i>																
<i>Syllis parapari</i>				4		11	3	4	3	9		10				
<i>Syllis pontxioi</i>						3	2		12	8		10				

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Syllis vittata</i>	?															
<i>Syllis</i>						2		1	11							
<i>Trypanosyllis (Trypanosyllis) coelaca</i>			1			4	2	3	3	6		10				
<i>Eusyllinae</i>																
<i>Syllidae</i>	(juvenile/damaged)			1						1						
<i>Galathowenia oculata</i>			3	5				1								5
<i>Myriochele danielsseni</i>				4	1			1								
<i>Owenia fusiformis</i>		1	2							1					1	5
<i>Oweniidae</i>	(juvenile/damaged)							5	1							
<i>Branchiomma bombyx</i>																
<i>Dialychone dunerificta</i>			1	11		2	12	2		15		3				
<i>Dialychone</i>	(juvenile/damaged)															
<i>Euchone rubrocincta</i>												1				
<i>Euchone</i>																
<i>Jasmineira caudata</i>																
<i>Jasmineira</i>					1											
<i>Parasabella cambrensis</i>																
<i>Parasabella</i>	(damaged)															
<i>Pseudopotamilla reniformis</i>																
<i>Sabellidae</i>	(juvenile/damaged)						1		2							
<i>Apomatus similis</i>																
<i>Hydroides norvegica</i>		1		3	2	3	1	5	1	4		11	1			1
<i>Serpula vermicularis</i>			1		1								1			
<i>Spirobranchus lamarcki</i>																
<i>Spirobranchus triqueteter</i>				1		2	3		1		1	23		1		
<i>Spirobranchus</i>	(damaged)		1													
<i>Serpulidae</i>	(juvenile/damaged)									2		2				
<i>Spirorbinae</i>																
<i>Apistobrachus tenuis</i>			1													
<i>Paecilochaetus serpens</i>																
<i>Aonides oxycephala</i>																
<i>Aonides paucibranchiata</i>		5	1	19	2	8	7	5	7	8	1	6				1
<i>Aurosipio banyulensis</i>			1	21			8	5		10		3		3		
<i>Dipolydora caulleryi</i>												2				
<i>Dipolydora caeca</i>		1														
<i>Dipolydora</i>	(damaged)															
<i>Laonice bahusensis</i>			2	5		1	2	1	3	5		2	2			1
<i>Malacoceros girardi</i>																
<i>Polydora</i>										1						
<i>Prionospio cirrifera</i>				1						1						
<i>Prionospio fallax</i>																
<i>Prionospio</i>																
<i>Pseudopolydora pulchra</i>																
<i>Scolecipis korsuni</i>																
<i>Scolecipis</i>	(damaged)															
<i>Spio martinensis</i>																
<i>Spio symphyta</i>										1				1		2
<i>Spio</i>	(juvenile/damaged)									1						
<i>Spiophanes bombyx</i>				5			2	2		3				1		
<i>Spiophanes kroyeri</i>				1												
<i>Macrochaeta</i>			1			1	8					2				
<i>Ampharete lindstroemi</i>																
<i>Melinna elisabethae</i>																
<i>Ampharetidae</i>	(juvenile/damaged)															
<i>Aphelochaeta</i>																

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Caulerella alata</i>			1								1					
<i>Caulerella</i>																
<i>Chaetozone christiei</i>																
<i>Chaetozone setosa</i>															1	
<i>Chaetozone zetlandica</i>		3	1		5									3		
<i>Chaetozone</i>																2
<i>Cirratulus cirratus</i>																
<i>Cirriformia</i>																
<i>Kirkegaardia</i>								1								
<i>Cirratulidae</i>	(juvenile)															
<i>Diplocirrus glaucus</i>							1	1								
<i>Diplocirrus stopbawitzi</i>				1												
<i>Diplocirrus</i>	(damaged)															
<i>Flabelligera affinis</i>																
<i>Amphictene auricoma</i>																
<i>Petta pusilla</i>										1		1				
<i>Eupolymania nesidensis</i>																
<i>Lanice conchilega</i>								1								
<i>Nicolea venustula</i>																
<i>Parathelepus collaris</i>								3								
<i>Pista bansei</i>			1	5		1	3	2	1	7			1		1	1
<i>Pista cristata</i>		2														
<i>Pista mediterranea</i>		1					2									
<i>Pista</i>	(juvenile)															
<i>Polycirrus</i>			1		2			3	3							1
<i>Terebellidae</i>	(juvenile/damaged)			2		1	1	1		2		1				
<i>Terebellides stroemii</i>																
<i>Trichobranchus glacialis</i>																
<i>Capitella</i>	(juvenile)															
<i>Mediomastus fragilis</i>		80	20	17	1	4		2	4	8	51				1	15
<i>Notomastus</i>					1			4	4	1				1		
<i>Magelona alleni</i>																
<i>Magelona filiformis</i>																2
<i>Magelona</i>	(damaged)															
<i>Clymenura</i>																
<i>Euclymene droebachiensis</i>																
<i>Euclymene lombricoides</i>	?															
<i>Euclymene oerstedii</i>		2	1													
<i>Euclymene</i>		p	1													
<i>Heteroclymene robusta</i>																
<i>Leiochone leiopygos</i>							1									
<i>Leiochone</i>								1								
<i>Notoproctus</i>																
<i>Praxillella affinis</i>																
<i>Praxillella praetermissa</i>																
<i>Rhodine gracilior</i>																
<i>Maldanidae</i>	(damaged)												2			
<i>Armandia polyophtalma</i>															2	
<i>Ophelia celtica</i>						1										
<i>Polyophtalmus pictus</i>																
<i>Opheliidae</i>	(damaged)															
<i>Orbinia</i>	(damaged)		1													
<i>Scoloplos armiger</i>		1									1			2	2	4
<i>Aricidea (Acmira) cerrutii</i>		1	1	1							1					
<i>Cirrophorus branchiatus</i>																1

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Paradoneis livana</i>										1						
<i>Paradoneis lyra</i>						1										
<i>Paraonides neapolitana</i>																
<i>Paraonidae</i>	(damaged)															
<i>Polygordius</i>		2				16	8	5	38	45		33	16			
<i>Sabellaria spinulosa</i>																
<i>Scalibregma celticum</i>												1				
<i>Scalibregma inflatum</i>																
<i>Collembola</i>		1														
<i>Balanus balanus</i>		4		11	4	2		2		4		17	1			
<i>Balanus crenatus</i>																
<i>Verruca stroemia</i>		1	3	1	15	1	5	5		2		8	1			
<i>Cirripedia</i>	(damaged)	3														
<i>Copepoda</i>		1		1	1		3		1	2		1	3	1	2	5
<i>Ampelisca brevicornis</i>			1		3											4
<i>Ampelisca diadema</i>				3						1						
<i>Ampelisca spinipes</i>								2	1							
<i>Ampelisca tenuicornis</i>										1						
<i>Ampelisca typica</i>		2		1					1	1						4
<i>Ampelisca</i>	(juvenile/damaged)		1	1										1	1	
<i>Amphilochus manudens</i>																
<i>Aoridae</i>										1						
<i>Argissa hamatipes</i>																
<i>Nototropis swammerdami</i>																
<i>Nototropis vedlomensis</i>			2				2	1	2				1			
<i>Nototropis falcatus</i>																
<i>Atyllidae</i>	(damaged)															
<i>Bathyporeia elegans</i>																
<i>Bathyporeia pelagica</i>															4	
<i>Bathyporeia</i>	(damaged)															2
<i>Apherusa bispinosa</i>																
<i>Pariambus typicus</i>																
<i>Parvipalpus capillaceus</i>																
<i>Phtisica marina</i>																
<i>Pseudoprotella phasma</i>																
<i>Caprellidae</i>	(juvenile)															
<i>Cheirocratus assimilis</i>																
<i>Cheirocratus sundevallii</i>						1										
<i>Cheirocratus</i>																
<i>Leptocheirus hirsutimanus</i>			1	4				1								
<i>Leptocheirus pectinatus</i>																
<i>Leptocheirus</i>	(damaged)			1												
<i>Cressa dubia</i>																
<i>Dexamine spinosa</i>																
<i>Eusirus longipes</i>																
<i>Gammaridae</i>													1			
<i>Centraloecetes striatus</i>																
<i>Leucothoe incisa</i>																
<i>Liljeborgia kinahani</i>																
<i>Lysianassa ceratina</i>																
<i>Lysianassa plumosa</i>				1								3				
<i>Sacarnes erythrophthalmus</i>								5				62				
<i>Lysianassidae</i>	(juvenile/damaged)															1
<i>Animocera docus semiserratus</i>				2				6				15				
<i>Maerella tenuimana</i>																

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Othomaera othonis</i>				1			1					2				
<i>Abludomelita obtusata</i>																
Melittidae	(inc. damaged/juv. specimens)		1													
<i>Deflexilodes subnudus</i>																
<i>Kroyera carinata</i>																
<i>Deflexilodes subnudus</i>																
Monaculodes	(damaged)															
<i>Perioculodes longimanus</i>																
<i>Pontocrates altamarinus</i>																
<i>Pontocrates arenarius</i>												1				
<i>Synchelidium haplocheles</i>																
<i>Synchelidium maculatum</i>												1				3
<i>Westwoodilla caecula</i>																
Oedicerotidae	(juvenile/damaged)															
<i>Gammaropsis lobata</i>																
<i>Gammaropsis maculata</i>												1				
<i>Gammaropsis</i>																
<i>Megamphopus cornutus</i>				2						1						
<i>Photis longicaudata</i>																
<i>Harpinia antennaria</i>																
<i>Harpinia laevis</i>																
<i>Metaphoxus fultoni</i>				3			2		2							
Phoxocephalidae																
Stenothoidae	(juvenile)							1								
<i>Hippomedon denticulatus</i>											1					
<i>Lepidepecreum longicornis</i>		1		1							1					
<i>Tryphosella nanoides</i>																
<i>Menigrates obtusifrons</i>																
<i>Tmetonyx similis</i>								1								7
<i>Urothoe elegans</i>		6	2			1	1				2			2	1	13
<i>Urothoe marina</i>											1					1
<i>Urothoe</i>	(damaged)															
<i>Bodotria arenosa</i>																
<i>Bodotria scarpioides</i>																
<i>Iphinoe serrata</i>																
<i>Iphinoe trispinosa</i>																
<i>Vaunthompsonia cristata</i>												1				
<i>Diastylis lucifera</i>																
<i>Diastylodes biplicatus</i>																
Diastylidae	(damaged)															
<i>Eudarellopsis deformis</i>																
Leuconidae																
<i>Campylaspis legendrei</i>							1									
<i>Campylaspis</i>									1							
<i>Cumella</i> [Cumella] <i>pygmaea</i>																
<i>Nannastacus unguiculatus</i>																
Cumacea	(damaged)															
<i>Atelecyclus rotundatus</i>													1			
<i>Galathea intermedia</i>						1						1	1	1		
<i>Galathea</i>	(juvenile)															
<i>Ebalia tuberosa</i>												1				
<i>Ebalia tumefacta</i>																
<i>Eurynome aspera</i>																
<i>Eurynome</i>	(damaged)										1					
<i>Anapagurus hyndmanni</i>																

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Paguridae</i>									1							
<i>Liocarcinus pusillus</i>						1										
<i>Liocarcinus</i>																
<i>Brachyura</i>	(juvenile)															
<i>Decapoda</i> (zoea larvae)	(zoea larvae)															
<i>Pleocyemata</i>	(juvenile)						1									
<i>Anthura gracilis</i>																
<i>Astacilla dilatata</i>									1							
<i>Astacilla</i>																
<i>Conilera cylindracea</i>							4	1	1							
<i>Eurydice inermis</i>							2		1				2			
<i>Eurydice spinigera</i>																
<i>Eurydice</i>	(damaged)															
<i>Gnathia dentata</i>								1								
<i>Gnathia oxyuraea</i>							1			2						
<i>Gnathia</i> (pranzia larvae)	(pranzia larvae)			2						1		3				
<i>Gnathia</i>				1												
<i>Janira maculosa</i>										1						
<i>Cymodoce truncata</i>																
<i>Nebalia abyssicola</i>																
<i>Nebalia bipes</i>		1														
<i>Nebalia kocotasi</i>														1		
<i>Nebalia</i>	(damaged)		1	1											1	
<i>Sarsinebalia typhlops</i>																
<i>Sarsinebalia urgorrii</i>																
<i>Nebaliacea</i>																
<i>Mysida</i>	(damaged)															
<i>Pseudoparatanaïs batei</i>																
<i>Pseudotanaïs forcipatus</i>		3														
<i>Tanaopsis graciloides</i>																
<i>Paratyphlotanaïs microcheles</i>																
<i>Tanaidacea</i>	(juvenile)															
<i>Ostracoda</i>		2						1		1				1		1
<i>Achelia echinata</i>		1				1			1							
<i>Callipallene brevisrostris</i>																
<i>Callipallene tiberi</i>																
<i>Anoplodactylus petiolatus</i>														2		
<i>Anoplodactylus</i>	(damaged)						1									
<i>Aetea anguina</i>						p			p	p		p				
<i>Aetea sica</i>						p										
<i>Schizomavella</i>						p										
<i>Bugulina flabellata</i>																
<i>Bugulina</i>																
<i>Callopora dumerilii</i>										p						
<i>Callopora lineata</i>																
<i>Callopora</i>																
<i>Cradoscrupocellaria</i>						p										
<i>Scrupocellaria scrupea</i>		p				p				p						
<i>Scrupocellaria scrupasa</i>						p	p					p				
<i>Scrupocellaria</i>								p	p	p						
<i>Cellaria</i>			p	p		p	p	p		p						
<i>Turbicellepora avicularis</i>																
<i>Cribrilaria innominata</i>										p						
<i>Puellina</i>																
<i>Electra pilosa</i>																

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Escharina</i>					p											
<i>Eucratea loricata</i>				p		p		p								
<i>Escharoides coccinea</i>													p			
<i>Escharoides mamillata</i>			p			p			p							
<i>Flustra foliacea</i>																
<i>Securiflustra securifrons</i>																
<i>Fenestrulina malusii</i>																
<i>Microporella ciliata</i>			p			p										
<i>Microporella</i>																
<i>Escharella</i>													p			
<i>Scruparia</i>																
<i>Parasmittina trispinosa</i>																
<i>Cheilostomatida</i>									p							
<i>Alcyonidium diaphanum</i>																
<i>Alcyonidium parasiticum</i>																
<i>Crisia denticulata</i>						p		p					p			
<i>Crisia eburnea</i>			p	p			p	p								
<i>Crisia ramosa</i>	?															
<i>Crisia</i>						p							p			
<i>Crisidia cornuta</i>							p						p			
<i>Crisiidae</i>																
<i>Disporella hispida</i>												p				
<i>Plagioecia patina</i>				p												
<i>Exidmonea atlantica</i>																
<i>Tubulipora liliacea</i>												p				
<i>Tubulipora</i>								p								
<i>Chaetagnatha</i>																
<i>Ammodytes marinus</i>																
<i>Ammodytes tobianus</i>																
<i>Actinopterygii (larvae)</i>	(larvae)															
<i>Asciella aspersa</i>																
<i>Malgula</i>																
<i>Polycarpa pomaria</i>																
<i>Styela coriacea</i>																
<i>Styelidae</i>																
<i>Asciaceae (colonial)</i>	(colonial)						p									
<i>Asciaceae</i>	(inc. juvenile & damaged)				1				p	1			2			
<i>Branchiostoma lanceolatum</i>				1		1	3	6	1	1			6	3		
<i>Anemonia viridis</i>																
<i>Actiniidae</i>																
<i>Edwardsia clapedii</i>						1		1					1			
<i>Edwardsia</i>	(inc. damaged specimens)		2													
<i>Edwardsiidae</i>	(inc. damaged specimens)				5									1	2	
<i>Caryophyllia (Caryophyllia) smithii</i>																
<i>Cerianthus lloydii</i>				1								1				
<i>Epizoanthus papillosus</i>																
<i>Anthoathecata</i>				p												
<i>Obelia longissima</i>				p												
<i>Obelia</i>																
<i>Halopteris catharina</i>																
<i>Kirchenpaueria pinnata</i>																
<i>Nemertesia antennina</i>																
<i>Plumulariidae</i>																
<i>Sertularella</i>													p			
<i>Astropecten irregularis</i>			1													

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Antedon bifida</i>																
<i>Echinocyamus pusillus</i>			6	6	1	11	8	2	15	7	5	8	1	12	12	1
<i>Brissoopsis lyrifera</i>																
<i>Echinocardium cordatum</i>																
<i>Echinocardium flavescens</i>																
<i>Echinoidea</i>	(juvenile)	1		1								2				
<i>Labidoplax buskii</i>																
<i>Leptosynapta bergensis</i>																
<i>Leptosynapta decaria</i>																
<i>Leptosynapta minuta</i>																
<i>Thyone fusus</i>							1									
<i>Amphipholis squamata</i>			2					5		6						
<i>Amphiura chiajei</i>															4	
<i>Amphiura filiformis</i>																
<i>Amphiura</i>	(juvenile)															
<i>Amphiuridae</i>	(juvenile/damaged)	3						1			1					
<i>Ophiocomina nigra</i>																
<i>Ophiacten affinis</i>																
<i>Ophiura albida</i>																
<i>Ophiuroidea</i>	(juvenile)			5			4	1	2	1		7				
<i>Hiatella arctica</i>					1		1					3				
<i>Ensis</i>	(damaged)															
<i>Phoxas pellucidus</i>		1							2	3						1
<i>Glycymeris glycymeris</i>		1	7	1			13	4	1		1	1				
<i>Parvicardium pinnulatum</i>		6	1		1		10		8	5	4	4	2			3
<i>Parvicardium scabrum</i>																
<i>Parvicardium</i>	(juvenile/damaged)															
<i>Gari costulata</i>			1													
<i>Gari fervensis</i>														2	1	
<i>Gari tellinella</i>		1	3	12		6	10	7	36	8		11	10			1
<i>Abra alba</i>			4					1		2						
<i>Abra nitida</i>				1												
<i>Abra prismatica</i>														4	4	4
<i>Abra</i>	(juvenile/damaged)															1
<i>Arcopagia crassa</i>												1	2			
<i>Asbjornsenia pygmaea</i>		3		3		6	14	18	105	49	26	11	26	5		4
<i>Fabulina fabula</i>															1	
<i>Moerella donacina</i>																
<i>Goodallia triangularis</i>		2		3		5	83	6	276	19	2	91	9	6		1
<i>Limaria hians</i>	(juvenile)															
<i>Limatula subauriculata</i>				2			7		2	6		1	3			
<i>Lucinoma borealis</i>		2									3					
<i>Myrtea spinifera</i>																
<i>Thyasira flexuosa</i>																
<i>Thyasira</i>	(damaged)															
<i>Mya truncata</i>																
<i>Crenella decussata</i>												1		1		
<i>Modiolula phaseolina</i>		29		2	4	5	8	8	12	16	40	21	2	2	1	
<i>Musculus discors</i>																
<i>Musculus subpictus</i>							1									
<i>Mytiloidea</i>	(juvenile)															
<i>Nucula nitidosa</i>																
<i>Anomia ephippium</i>							1			2						
<i>Anomiidae</i>	(juvenile)								1			7				
<i>Pecten maximus</i>	(juvenile)								1							

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Arctica islandica</i>	(juvenile/immature)		1								1				1	
<i>Chamelea striatula</i>							3			10		53			7	
<i>Clausinella fasciata</i>			11	9			10	11	16	8		14	4			
<i>Dosinia exoleta</i>																
<i>Dosinia lupinus</i>							1		1				5	8	20	
<i>Dosinia</i>	(juvenile)		2	4			15		11	1		2				6
<i>Gouldia minima</i>		9	5	3	1	1	11		13	6	3	13				
<i>Politapes rhomboides</i>							3			1		2		1		
<i>Ruditapes decussatus</i>																
<i>Tapes</i>	(juvenile)															
<i>Timoclea ovata</i>		7	13	15	3	6	21	3	13	14	4	17	2	9		1
<i>Venerupis corrugata</i>																
<i>Venus casina</i>							2					5				
<i>Veneridae</i>	(juvenile)						1	2	9							
<i>Hemilepton nitidum</i>																
<i>Kurtiella bidentata</i>												1			1	2
<i>Tellimya ferruginosa</i>																
<i>Lyansia norwegica</i>																
<i>Spisula elliptica</i>			1			2	1		4	6				2		
<i>Spisula</i>	(juvenile)											3				1
<i>Macluridae</i>	(juvenile)															
<i>Cochlodesma praetenu</i>		4									1			4	5	
<i>Thracia phaseolina</i>																4
<i>Thracia villosiuscula</i>			1	7			3			2	2	3	4	4		
<i>Thracia</i>	(juvenile/damaged)															
<i>Bivalvia</i>	(juvenile/damaged & siphons)									1						
<i>Chaetoderma nitidulum</i>																
<i>Turritella communis</i>															4	
<i>Cephalaspidea</i>	(damaged)															
<i>Cylichna cylindracea</i>																
<i>Retusa truncatula</i>		1									1					
<i>Caecum glabrum</i>												1				
<i>Caecum imperforatum</i>																
<i>Calyptrea chinensis</i>																
<i>Eulima bilineata</i>		1														
<i>Melanelia alba</i>																
<i>Vitreolina philippi</i>																
<i>Euspira catena</i>																
<i>Euspira montagui</i>																
<i>Euspira nitida</i>			1		1	1				1	1	2				
<i>Euspira</i>	(juvenile)															
<i>Alvania beanii</i>																
<i>Alvania punctura</i>		2									1	12				
<i>Alvania</i>	(damaged)															
<i>Onoba semicostata</i>											10					
<i>Rissoa parva</i>																
<i>Skeneopsis planorbis</i>																
<i>Comarmondia gracilis</i>																
<i>Mangelia castata</i>																
<i>Mangelia</i>	(damaged)															
<i>Tritia incrassata</i>																
<i>Raphitoma linearis</i>		1														
<i>Doto</i>																
<i>Trapania pallida</i>																
<i>Polyceridae</i>																

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Tricalia pullus</i>				1											1	
<i>Gibbula tumida</i>										1						
<i>Gibbula</i>	(juvenile/damaged)															
<i>Jujubinus montagui</i>																
Trochidae	(juvenile)															
<i>Testudinaria testudinialis</i>																
<i>Patella pellucida</i>																
<i>Brachystomia scalaris</i>																
<i>Brachystomia</i>																
<i>Chrysallida</i>	(damaged)															
<i>Odostomia plicata</i>																
<i>Odostomia unidentata</i>																
<i>Odostomia</i>												1				
<i>Ondina divisa</i>																
<i>Ondina</i>	(damaged)													1		
Gastropoda	(damaged)															
<i>Heterobranchia</i>	(Volvulella acuminata ?)															
<i>Acanthochitona crinita</i>																
<i>Stenosemus albus</i>																
<i>Tonicella marmorea</i>																
<i>Leptochiton asellus</i>		1	2	7	1		10	3	12	6		13				
<i>Leptochiton cancellatus</i>				1			2		1	2		17			1	
<i>Antalis entalis</i>																
Scaphopoda	(juvenile)															
Nematoda		6	2	39	1	75	136	21	54	159	5	77	25	1		
<i>Cerebratulus</i>								1								
Nemertea					1	6	6	4	2	4		4	1	2		
<i>Phoronis</i>				1						3		1				
<i>Platyhelminthes</i>			1													
<i>Leucosolenia</i>																
<i>Sycon ciliatum</i>							1									
<i>Cliona celata</i>		p														p
Clonaidae																
<i>Porifera</i>				p		p				p		p				
<i>Golfingia (Golfingia) elongata</i>						1										
<i>Golfingia</i>					2											
<i>Nephasoma (Nephasoma) minutum</i>				3		4		4	10	7		15				
<i>Thysanocardia procera</i>		1														
Golfingiidae	(juvenile)								1				2			
<i>Phascolian (Phascolian) strombus strombus</i>		1	1													
<i>Lagotia viridis</i>					p			p								
<i>Derbesia</i>																
<i>Ceramium</i>																
<i>Pterothamnion plumula</i>																
<i>Polysiphonia</i>								p								
<i>Plumaria plumosa</i>																
<i>Corallina officinalis</i>																
Corallinaceae																
<i>Phyllophora</i>																
<i>Palmaria palmata</i>																p
<i>Placanium cartilagineum</i>							p	p		p		p				
<i>Rhodophyta</i>	(encrusting)															
<i>Rhodophyta</i>	(filamentous)									p		p				
<i>Rhodophyta</i>	(foliose)															
<i>Rhodophyta</i>					p					p		p				p

Taxa	Notes	S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G01	S3-G02	S3-G03	S3-G04	S3-G05	S3-G06
<i>Phaeophyceae</i>										p						
<i>Phaeophyceae</i>	(filamentous)															
<i>Phaeophyceae</i>	(foliose)															
Maeri indet	(<i>Phymatolithon calcareum</i>)		p	p		p	p	p		p		p	p			p

Plastic		Y	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N
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Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Grania</i>		5	8	1	12	2	14	21	2	9		4	2	1		2
<i>Tubificoides benedii</i>								1								
<i>Oligochaeta</i>	(damaged)															
<i>Pareurythoe borealis</i>		2						4		2				1	1	27
<i>Protodorvillea kefersteini</i>					3				3	13				12	4	
<i>Schistomeringos neglecta</i>		2			2	1			1							2
<i>Eunice vittata</i>					1											
<i>Eunice</i>	(damaged)															
<i>Lysidice unicornis</i>																
<i>Abyssoninoe hibernica</i>													1			
<i>Lumbrineris aniana/cingulata</i> agg.	L. aniana/cingulata agg.												1			
<i>Lumbrineris</i>			4													
<i>Scoletoma magnidentata</i>																
<i>Lumbrineridae</i>								1		3						
<i>Notacirrus scoticus</i>																
<i>Aponuphis bilineata</i>		1			1	4	3	6	1	3	1	1	3	1	2	1
<i>Nothria conchylega</i>																
<i>Aphrodita aculeata</i>																
<i>Glycera alba</i>																
<i>Glycera celtica</i>																
<i>Glycera fallax</i>									1		1					
<i>Glycera lapidum</i>		8	22	4	4	2	4	3	8	4	1	9	2	4	5	6
<i>Glycera oxycephala</i>				1												
<i>Glycera</i>	(juvenile)							5					1			
<i>Glyceridae</i>	(juvenile)													1		
<i>Glycinde nordmanni</i>			2													
<i>Goniada maculata</i>																
<i>Goniadella gracilis</i>		1		1					2						1	
<i>Goniadidae</i>	(damaged)															
<i>Gyptis propinqua</i>			4				1								1	5
<i>Gyptis</i>	(damaged)															
<i>Hesiospina aurantiaca</i>				1	2		3	6		4		1				17
<i>Oxydromus</i>																
<i>Podarkeopsis capensis</i>																
<i>Psamathe fusca</i>		4		4	8	3	1		4	3		6		2	3	6
<i>Lacydonia miranda</i>		2		2	1			1		3		2			2	5
<i>Aglaophamus agilis</i>						2										1
<i>Nephtys assimilis</i>																
<i>Nephtys caeca</i>											1					
<i>Nephtys cirrosa</i>											2					
<i>Nephtys hombergii</i>																
<i>Nephtys kersivalensis</i>																
<i>Nephtys</i>	(juvenile/damaged)					1					1					
<i>Nephtyidae</i>	(juvenile)															
<i>Eunereis longissima</i>																

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Platynereis dumerilli</i>																
<i>Pholoe baltica</i>																1
<i>Pholoe inornata</i>		1		1				1	2	5		1				7
<i>Eteone longa/flava</i> agg.	<i>E. longa/flava</i> agg.							1		2						
<i>Eulalia aurea</i>															1	
<i>Eulalia bilineata</i>																
<i>Eulalia expusilla</i>																
<i>Eulalia mustela</i>						5			1	2		1			3	2
<i>Eulalia tripunctata</i>	?															
<i>Eulalia viridis</i>																
<i>Eulalia</i>																
<i>Eumida bahusiensis</i>																
<i>Eumida sanguinea</i>		1							1			1	1			
<i>Eumida</i>	(juvenile)															
<i>Hesionura elongata</i>																
<i>Mystides caeca</i>																
<i>Nereiphylla rubiginosa</i>			1						1	1		4		1	1	2
<i>Notophyllum foliosum</i>																
<i>Paranaitis kosteriensis</i>																
<i>Phyllodoce groenlandica</i>																
<i>Phyllodoce lineata</i>																
<i>Pseudomystides limbata</i>		1	1			1						1		1	1	1
<i>Phyllodoceidae</i>	(juvenile)					2										
<i>Gattyana cirrhosa</i>																
<i>Harmothoe impar</i>									1	1						
<i>Harmothoe</i>							1									
<i>Lepidonotus clava</i>																
<i>Lepidonotus squamatus</i>																
<i>Malmgrenia ljungmani</i>		2							1	1						
<i>Malmgrenia marphysae</i>																
<i>Malmgrenia mcintoshi</i>			2							1						2
<i>Malmgrenia</i>	(juvenile/damaged)	2			1		3		1	1						5
<i>Polynoidae</i>																2
<i>Fimbriosthenelais zetlandica</i>																
<i>Pisiane remata</i>		16		21	6	2	6		1			33		14	5	4
<i>Sigalion</i>	(juvenile)										2					
<i>Sthenelais limicola</i>																
<i>Ephesiella abyssorum</i>			3			1				2					1	4
<i>Sphaerodoridium minutum</i>																
<i>Sphaerodorium gracilis</i>								3								
<i>Amblyosyllis</i>	(damaged)							1								
<i>Brevicirrosyllis weismanni</i>																
<i>Dioplosyllis cirrosa</i>												1				
<i>Eurysyllis tuberculata</i>					1			1								
<i>Exogone naidina</i>																
<i>Exogone verugera</i>																
<i>Odontosyllis fulgurans</i>			3													
<i>Odontosyllis gibba</i>		1						4	2	3		2				9
<i>Odontosyllis</i>	(juvenile/damaged)												1			
<i>Palposyllis prosostoma</i>																
<i>Parexogone hebes</i>																
<i>Palposyllis propeweismanni</i>	?					1										
<i>Pionosyllis</i>																
<i>Sphaerosyllis bulbosa</i>		2	1	1	1	1	2	4	2	6		9			6	14
<i>Sphaerosyllis hystrix</i>			3								1					

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Sphaerosyllis taylori</i>				1	1									2		
<i>Sphaerosyllis</i>																
<i>Streptodonta pterochaeta</i>																
<i>Syllis armillaris</i>	(agg. group)															
<i>Syllis licheri</i>														8		
<i>Syllis parapari</i>		2		6	3	1	7		7	1		17			5	
<i>Syllis pontxoi</i>		10		11	5				2	3		1			14	5
<i>Syllis vittata</i>	?															
<i>Syllis</i>					2	1	3		1			1				
<i>Trypanosyllis (Trypanosyllis) coellaca</i>				1	6			4	9	5		7			1	7
<i>Eusyllinae</i>																
<i>Syllidae</i>	(juvenile/damaged)			1												
<i>Galathowenia oculata</i>							1								2	
<i>Myriochele danielsseni</i>								1								
<i>Owenia fusiformis</i>													1			
<i>Oweniidae</i>	(juvenile/damaged)															
<i>Branchianna bombyx</i>																
<i>Dialychone dunerificta</i>		7			1	1		5		2		1				1
<i>Dialychone</i>	(juvenile/damaged)															
<i>Euchone rubrocincta</i>																
<i>Euchone</i>			2													
<i>Jasmineira caudata</i>																
<i>Jasmineira</i>																
<i>Parasabella cambrensis</i>																
<i>Parasabella</i>	(damaged)															1
<i>Pseudopotamilla reniformis</i>																
<i>Sabellidae</i>	(juvenile/damaged)		3													
<i>Apomatus similis</i>												1				
<i>Hydroides norvegica</i>		1	2	1		2		1	3			4		1	1	5
<i>Serpula vermicularis</i>						1	1							1	1	
<i>Spirobranchus lamarcki</i>												3				
<i>Spirobranchus triqueter</i>		7						3	3							3
<i>Spirobranchus</i>	(damaged)															
<i>Serpulidae</i>	(juvenile/damaged)					1						3				
<i>Spirorbinae</i>			1													
<i>Apistobanchus tenuis</i>																
<i>Paecilochaetus serpens</i>																
<i>Aonides oxycephala</i>																
<i>Aonides paucibranchiata</i>			9	2		9	3	1	3			5	1	1	4	
<i>Aurosipio banyulensis</i>							1	11	2	4		1		1		
<i>Dipolydora caulleryi</i>			2													
<i>Dipolydora coeca</i>												1				
<i>Dipolydora</i>	(damaged)															
<i>Laonice bahusiensis</i>		2	15	1			1	4	2	3	1				4	2
<i>Malacoceros girardi</i>																
<i>Polydora</i>																
<i>Prionospio cirrifera</i>													1			
<i>Prionospio fallax</i>															2	
<i>Prionospio</i>						1										
<i>Pseudopolydora pulchra</i>																
<i>Scolelepis korsuni</i>								1								
<i>Scolelepis</i>	(damaged)															
<i>Spio martinensis</i>																
<i>Spio symphyta</i>																
<i>Spio</i>	(juvenile/damaged)															

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Spiophanes bombyx</i>		1	5								2		2			
<i>Spiophanes kroyeri</i>																
<i>Macrochaeta</i>		1	1				1	5	1	2		2			2	1
<i>Ampharete lindstroemi</i>								1								
<i>Melinna elisabethae</i>																
<i>Ampharetidae</i>	(juvenile/damaged)								1							
<i>Aphelochaeta</i>																
<i>Cauleriella alata</i>			1							1						
<i>Cauleriella</i>																
<i>Chaetozone christiei</i>																
<i>Chaetozone setosa</i>																
<i>Chaetozone zetlandica</i>															1	
<i>Chaetozone</i>											4					
<i>Cirratulus cirratus</i>												1				
<i>Cirriiformia</i>																
<i>Kirkegaardia</i>																
<i>Cirratulidae</i>	(juvenile)															
<i>Diplocirrus glaucus</i>										1						
<i>Diplocirrus stopbowitzi</i>									1							
<i>Diplocirrus</i>	(damaged)															
<i>Flabelligera affinis</i>																3
<i>Amphictene auricoma</i>																
<i>Petta pusilla</i>								1		1						2
<i>Eupolyornia nesidensis</i>																
<i>Lanice conchilega</i>																1
<i>Nicalea venustula</i>																
<i>Parathelepus collaris</i>									1							
<i>Pista barsei</i>			1			1			1	2			7			
<i>Pista cristata</i>																
<i>Pista mediterranea</i>																
<i>Pista</i>	(juvenile)									1						
<i>Polycirrus</i>		1	2		2	1		4				4	2	1		
<i>Terebellidae</i>	(juvenile/damaged)		1			1										1
<i>Terebellides stroemii</i>																
<i>Trichobranthus glacialis</i>																1
<i>Capitella</i>	(juvenile)															
<i>Mediomastus fragilis</i>			57			5	4	70		22	23		10		1	
<i>Notomastus</i>		1				2				1		2				
<i>Magelona alleni</i>																
<i>Magelona filiformis</i>																
<i>Magelona</i>	(damaged)															
<i>Clymenura</i>																
<i>Euclymene droebachiensis</i>																
<i>Euclymene lombricoides</i>	?															
<i>Euclymene oerstedii</i>								3					2			
<i>Euclymene</i>																
<i>Heteroclymene robusta</i>																
<i>Leiochone leiopygos</i>																
<i>Leiochone</i>										1						
<i>Notoproctus</i>																1
<i>Praxillella affinis</i>																
<i>Praxillella praetermissa</i>																
<i>Rhodine gracilior</i>																
<i>Maldanidae</i>	(damaged)															
<i>Armandia polyophtalma</i>																

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Ophelia celtica</i>																
<i>Polyophthalmus pictus</i>																
Opheliidae	(damaged)				1											
<i>Orbinia</i>	(damaged)															
<i>Scoloplos armiger</i>			1								4		2			
<i>Aricidea (Acmira) cerrutii</i>						1		1					4			
<i>Cirrophorus branchiatus</i>																
<i>Paradoneis ilvana</i>					2			3		1						
<i>Paradoneis lyra</i>																
<i>Paraonides neapolitana</i>																
Paraonidae	(damaged)															
<i>Polygordius</i>		44	4	30	7	5		20	15	11		65		30	19	50
<i>Sabellaria spinulosa</i>																
<i>Scalibregma celticum</i>																
<i>Scalibregma inflatum</i>																
Collembola													1			
<i>Balanus balanus</i>						1			3			2				
<i>Balanus crenatus</i>			1												1	
<i>Verruca stroemia</i>											2				1	
<i>Cirripedia</i>	(damaged)										3					
Copepoda		2	2			2		3	2	2	8	5	4	32	11	12
<i>Ampelisca brevicornis</i>																
<i>Ampelisca diadema</i>																
<i>Ampelisca spinipes</i>																
<i>Ampelisca tenuicornis</i>																
<i>Ampelisca typica</i>						1										
<i>Ampelisca</i>	(juvenile/damaged)															
<i>Amphilochus manudens</i>																
Aoridae																
<i>Argissa hamatipes</i>												1				
<i>Nototropis swammerdami</i>																
<i>Nototropis vedlomensis</i>				1		1							1			
<i>Nototropis falcatus</i>																
Atylidae	(damaged)															
<i>Bathyporeia elegans</i>																
<i>Bathyporeia pelagica</i>											1					
<i>Bathyporeia</i>	(damaged)															
<i>Apherusa bispinosa</i>																
<i>Pariambus typicus</i>																
<i>Parvipalpus capillaceus</i>																
<i>Phtisica marina</i>																
<i>Pseudoprotella phasma</i>																
Caprellidae	(juvenile)															
<i>Cheirocratus assimilis</i>																
<i>Cheirocratus sundevallii</i>																
<i>Cheirocratus</i>																
<i>Leptocheirus hirsutimanus</i>		3	4	1				1							1	
<i>Leptocheirus pectinatus</i>																
<i>Leptocheirus</i>	(damaged)	1														
<i>Cressa dubia</i>																
<i>Dexamine spinosa</i>								1								
<i>Eusirus longipes</i>																1
Gammaridae																
<i>Centraloecetes striatus</i>																
<i>Leucothoe incisa</i>																

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Liljeborgia kinahani</i>																
<i>Lysianassa ceratina</i>																
<i>Lysianassa plumosa</i>							3			11						5
<i>Sacarnes erythrophthalmus</i>					2		1	10			1	1				11
<i>Lysianassidae</i>	(juvenile/damaged)															
<i>Animaceradocus semiserratus</i>		2	7		7	1	1	9	4	28		7		2	1	13
<i>Maerella tenuimana</i>																
<i>Othomaera othonis</i>			1							3						1
<i>Abludomelita obtusata</i>																
<i>Mellitidae</i>	(inc. damaged/juv. specimens)	1										1				
<i>Deflexilodes subnudus</i>																
<i>Kroyera carinata</i>																
<i>Deflexilodes subnudus</i>																
<i>Monoculodes</i>	(damaged)															
<i>Periculodes longimanus</i>														1		
<i>Pontocrates altamarinus</i>			1													
<i>Pontocrates arenarius</i>					1							2				
<i>Synchelidium haplocheles</i>																
<i>Synchelidium maculatum</i>											2					
<i>Westwoodilla caecula</i>																
<i>Oedicerotidae</i>	(juvenile/damaged)															2
<i>Gammaropsis lobata</i>																
<i>Gammaropsis maculata</i>							2									
<i>Gammaropsis</i>																1
<i>Megamphopus cornutus</i>		1		1												
<i>Photis longicaudata</i>			1													
<i>Harpinia antennaria</i>											7					
<i>Harpinia laevis</i>								1								
<i>Metaphoxus fultoni</i>			1							2						
<i>Phoxocephalidae</i>																
<i>Stenothoidae</i>	(juvenile)															
<i>Hippomedon denticulatus</i>																
<i>Lepidepcreum longicornis</i>			1							1		1				
<i>Tryphosella nanoides</i>																
<i>Menigrates obtusifrons</i>																
<i>Tmetonyx similis</i>			6													
<i>Urothoe elegans</i>			1								35		8			
<i>Urothoe marina</i>															1	
<i>Urothoe</i>	(damaged)															
<i>Bodotria arenosa</i>																
<i>Bodotria scorpioides</i>																
<i>Iphinoe serrata</i>																
<i>Iphinoe trispinosa</i>																
<i>Vaunthompsonia cristata</i>		1					2	3		1						7
<i>Diastylis lucifera</i>																
<i>Diastylodes biplicatus</i>																
<i>Diastylidae</i>	(damaged)										1					
<i>Eudorellopsis deformis</i>																
<i>Leuconidae</i>																
<i>Campylaspis legendrei</i>																
<i>Campylaspis</i>																
<i>Cumella (Cumella) pygmaea</i>																
<i>Nannastacus unguiculatus</i>																
<i>Cumacea</i>	(damaged)															
<i>Atelecyclus rotundatus</i>																

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Galathea intermedia</i>							2			1						
<i>Galathea</i>	(juvenile)															
<i>Ebalia tuberosa</i>							1									
<i>Ebalia tumefacta</i>			1													
<i>Eurynome aspera</i>																
<i>Eurynome</i>	(damaged)															
<i>Anapagurus hyndmanni</i>																
Paguridae			1													
<i>Liocarcinus pusillus</i>																
<i>Liocarcinus</i>								1								
<i>Brachyura</i>	(juvenile)															
Decapoda (zoea larvae)	(zoea larvae)	1													1	
<i>Pleocyemata</i>	(juvenile)															
<i>Anthura gracilis</i>												2				
<i>Astacilla dilatata</i>																
<i>Astacilla</i>																
<i>Conilera cylindracea</i>									1							
<i>Eurydice inermis</i>		1	2					1						1		
<i>Eurydice spinigera</i>																
<i>Eurydice</i>	(damaged)															
<i>Gnathia dentata</i>										2		1				1
<i>Gnathia oxyraea</i>								2								
<i>Gnathia</i> (pranzia larvae)	(pranzia larvae)	1								1		1				9
<i>Gnathia</i>																12
<i>Janira maculosa</i>										1						
<i>Cymodoce truncata</i>																
<i>Nebalia abyssicola</i>																
<i>Nebalia bipes</i>																
<i>Nebalia kocatasi</i>								1								
<i>Nebalia</i>	(damaged)															
<i>Sarsinebalia typhlops</i>																
<i>Sarsinebalia urgorrii</i>																
Nebaliacea																
<i>Mysida</i>	(damaged)															
<i>Pseudoparatanais batei</i>																
<i>Pseudotanaeis forcipatus</i>																
<i>Tanaopsis graciloides</i>																
<i>Paratyphlotanaeis microcheles</i>			1													
Tanaidacea	(juvenile)															
Ostracoda			1					2			1		1			
<i>Achelia echinata</i>																
<i>Callipallene brevirostris</i>																
<i>Callipallene tiberi</i>																
<i>Anoplodactylus petiolatus</i>																
<i>Anoplodactylus</i>	(damaged)															
<i>Aetea anguina</i>												p			p	p
<i>Aetea sica</i>												p				
<i>Schizomavella</i>																
<i>Bugulina flabellata</i>																
<i>Bugulina</i>																p
<i>Callopora dumerilii</i>																
<i>Callopora lineata</i>																
<i>Callopora</i>																
<i>Cradoscrupocellaria</i>					p		p		p		p	p				p
<i>Scrupocellaria scrupea</i>							p									

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Scrupocellaria scruposa</i>				p		p	p								p	
<i>Scrupocellaria</i>									p							
<i>Cellaria</i>							p			p					p	p
<i>Turbicellepora avicularis</i>																
<i>Criblilaria innominata</i>																
<i>Puellina</i>																
<i>Electra pilosa</i>						p				p						p
<i>Escharina</i>																p
<i>Eucratea loricata</i>							p									
<i>Escharoides coccinea</i>																
<i>Escharoides mamillata</i>					p				p	p						
<i>Flustra foliacea</i>		p							p							p
<i>Securiflustra securifrons</i>							p			p		p				p
<i>Fenestrulina malusi</i>																
<i>Microporella ciliata</i>				p		p										
<i>Microporella</i>																
<i>Escharella</i>																
<i>Scruparia</i>																
<i>Parasmittina trispinosa</i>																
<i>Chelostomatida</i>																
<i>Alcyonidium diaphanum</i>																
<i>Alcyonidium parasiticum</i>																
<i>Crisia denticulata</i>		p	p	p		p	p			p					p	p
<i>Crisia eburnea</i>				p			p					p			p	
<i>Crisia ramosa</i>	?															
<i>Crisia</i>					p											
<i>Crisidia cornuta</i>				p			p			p					p	
<i>Crisiidae</i>																
<i>Disparella hispida</i>												p				
<i>Plagioecia patina</i>					p										p	
<i>Exidmonea atlantica</i>																
<i>Tubulipora lilacea</i>					p							p				p
<i>Tubulipora</i>																
<i>Chaetagnatha</i>			1			1						4		2		
<i>Ammodytes marinus</i>					2											
<i>Ammodytes tobianus</i>																
<i>Actinopterygii</i> (larvae)	(larvae)															
<i>Asciella aspersa</i>																
<i>Molgula</i>																
<i>Polycarpa pomaria</i>														1		
<i>Styela coriacea</i>																
<i>Styliidae</i>																
<i>Asciaceae</i> (colonial)	(colonial)															
<i>Asciaceae</i>	(inc. juvenile & damaged)															1
<i>Branchiostoma lanceolatum</i>		5		3	6			1	2			12		4	1	1
<i>Anemonia viridis</i>			1													
<i>Actiniidae</i>																
<i>Edwardsia claparedii</i>				1			9						2		3	
<i>Edwardsia</i>	(inc. damaged specimens)															
<i>Edwardsiidae</i>	(inc. damaged specimens)	1	1			1			2		2					
<i>Caryophyllia</i> (<i>Caryophyllia</i>) <i>smithii</i>																
<i>Cerianthus lloydii</i>								1								
<i>Epizoanthus papillosus</i>																
<i>Anthoathecata</i>																
<i>Obelia longissima</i>																

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Obelia</i>																
<i>Halopteris catharina</i>																
<i>Kirchenpaueria pinnata</i>																
<i>Nemertesia antennina</i>																
Plumulariidae																
<i>Sertularella</i>																
<i>Astropecten irregularis</i>											1					
<i>Antedon bifida</i>																
<i>Echinocyamus pusillus</i>			4				11	22	9	8	12	5	11	6	19	7
<i>Brisopsis lyrifera</i>																
<i>Echinocardium cordatum</i>																
<i>Echinocardium flavescens</i>									1							
Echinoidea	(juvenile)										1					
<i>Labidoplax buskii</i>																
<i>Leptosynapta bergensis</i>																
<i>Leptosynapta decaria</i>														3		
<i>Leptosynapta minuta</i>		2	1												4	2
<i>Thyone fusus</i>																
<i>Amphipholis squamata</i>			4					1	3	4						4
<i>Amphiura chiajei</i>																
<i>Amphiura filiformis</i>																
<i>Amphiura</i>	(juvenile)													3		
Amphiuridae	(juvenile/damaged)															
<i>Ophiocamina nigra</i>																1
<i>Ophiocten affinis</i>																
<i>Ophiura albida</i>																
Ophiuroidea	(juvenile)	2	2				3		1			4			2	12
<i>Hiatella arctica</i>																
<i>Ensis</i>	(damaged)															
<i>Phoxas pellucidus</i>																
<i>Glycymeris glycymeris</i>		2		1			4	3	6	3		4		1	9	10
<i>Parvicardium pinnulatum</i>			1		3			1		1				2	5	1
<i>Parvicardium scabrum</i>																
<i>Parvicardium</i>	(juvenile/damaged)					1	1					1			4	
<i>Gari costulata</i>						1					3				4	1
<i>Gari fervensis</i>																
<i>Gari tellinella</i>		3	6	7	19	4	3	8	11	11		28		31	10	32
<i>Abra alba</i>					1											
<i>Abra nitida</i>													1			
<i>Abra prismatica</i>											6					
<i>Abra</i>	(juvenile/damaged)												1			
<i>Arcopagia crassa</i>		2			1		2	4	1	2		1		3	5	
<i>Asbjornsenia pygmaea</i>		5	2	4	28	9	18	2	25	9	6	36	10	14	21	1
<i>Fabulina fabula</i>																
<i>Moerella donacina</i>																
<i>Goodallia triangularis</i>		16		7	50	1	87	35	137	129		92	14	109	53	392
<i>Limaria hians</i>	(juvenile)														1	
<i>Limatula subauriculata</i>		3	2	10	1	2	4	2	14			1		8	8	10
<i>Lucinama borealis</i>								2								
<i>Myrtea spinifera</i>																
<i>Thyasira flexuosa</i>																
<i>Thyasira</i>	(damaged)															
<i>Mya truncata</i>																
<i>Crenella decussata</i>																
<i>Modiolula phaseolina</i>		2	2		5	4	4	25	12	9	2	1	3		3	5

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Musculus discors</i>												1				
<i>Musculus subpictus</i>								1								
Mytiloidea	(juvenile)															
<i>Nucula nitidosa</i>																
<i>Anomia ephippium</i>																
Anomiidae	(juvenile)															
<i>Pecten maximus</i>	(juvenile)															
<i>Arctica islandica</i>	(juvenile/immature)									1						
<i>Chamelea striatula</i>													4			
<i>Clausinella fasciata</i>		4		3	10		12	8	18	14	4	6			7	34
<i>Dosinia exoleta</i>		2						2	1							
<i>Dosinia lupinus</i>												1	4			
<i>Dosinia</i>	(juvenile)	6	7	7	8	2	8		17	9	22	5			15	14
<i>Gouldia minima</i>		8	2		8		17	59	15	39	3	7	8	4	13	70
<i>Politapes rhomboides</i>			3	1	2					2					2	2
<i>Ruditapes decussatus</i>								6								
<i>Tapes</i>	(juvenile)									1						
<i>Timoclea ovata</i>		5		3	17		38	45	18	38	10	8		10	26	60
<i>Venerupis corrugata</i>									1						1	1
<i>Venus casina</i>							4	4	2	7	3			2	1	47
Veneridae	(juvenile)	2	1		12		8		10	11		1				
<i>Hemilepton nitidum</i>																
<i>Kurtiella bidentata</i>							3									1
<i>Tellimya ferruginosa</i>																1
<i>Lyansia norwegica</i>																
<i>Spisula elliptica</i>					1					1				4	4	
<i>Spisula</i>	(juvenile)															
Maclridae	(juvenile)															
<i>Cochlodesma praetenu</i>												1	5		1	
<i>Thracia phaseolina</i>															1	
<i>Thracia villosiuscula</i>		3	7	2	4	2	8	16	3	8		7		8	4	7
<i>Thracia</i>	(juvenile/damaged)												1			
<i>Bivalvia</i>	(juvenile/damaged & siphons)	p		1					p			p				
<i>Chaetoderma nitidulum</i>																
<i>Turritella communis</i>																
Cephalaspidea	(damaged)															
<i>Cylichna cylindracea</i>																
<i>Retusa truncatula</i>																
<i>Caecum glabrum</i>													1			
<i>Caecum imperforatum</i>													1			
<i>Calyptrea chinensis</i>																
<i>Eulima bilineata</i>																
<i>Melanelia alba</i>																
<i>Vitreolina philippi</i>																
<i>Euspira catena</i>																
<i>Euspira montagui</i>																
<i>Euspira nitida</i>			1												2	
<i>Euspira</i>	(juvenile)															
<i>Alvania beanii</i>								8								
<i>Alvania punctura</i>														1		29
<i>Alvania</i>	(damaged)				1					3						
<i>Onoba semicostata</i>								1								
<i>Rissoa parva</i>																
<i>Skeneopsis planorbis</i>																
<i>Comarmondia gracilis</i>																

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Mangella costata</i>													1			
<i>Mangella</i>	(damaged)															
<i>Tritia incrassata</i>								1								
<i>Raphitoma linearis</i>																
<i>Doto</i>																
<i>Trapania pallida</i>																
<i>Polyceridae</i>																
<i>Tricolia pullus</i>														2		
<i>Gibbula tumida</i>												1		3		
<i>Gibbula</i>	(juvenile/damaged)															
<i>Jujubinus montagui</i>												1		1		
<i>Trochidae</i>	(juvenile)															
<i>Testudinaria testudinalis</i>																
<i>Patella pellucida</i>																
<i>Brachystomia scalaris</i>																
<i>Brachystomia</i>			2													
<i>Chrysalida</i>	(damaged)															
<i>Odostomia plicata</i>																
<i>Odostomia unidentata</i>																
<i>Odostomia</i>																
<i>Ondina divisa</i>																
<i>Ondina</i>	(damaged)															
<i>Gastropoda</i>	(damaged)									1	1					
<i>Heterobranchia</i>	(Valvulella acuminata ?)															
<i>Acanthochitona crinita</i>																
<i>Stenosemus albus</i>																
<i>Tonicella marmorea</i>																
<i>Leptochiton asellus</i>				1				2	5	14		3	3		4	25
<i>Leptochiton cancellatus</i>					4	1		6	12	16		2			3	23
<i>Antalis entalis</i>											1					
<i>Scaphopoda</i>	(juvenile)					1										
<i>Nematoda</i>		110	14	75	130	25	140	79	83	30	24	58		36	49	106
<i>Cerebratulus</i>																
<i>Nemertea</i>		3	5	2	3	2	2	2		10	2	9	p	2	5	4
<i>Phoronis</i>			1													
<i>Platyhelminthes</i>			1					1	1							
<i>Leucosolenia</i>																
<i>Sycon ciliatum</i>										1						
<i>Cliona celata</i>								p						p		
<i>Clonaidae</i>																
<i>Porifera</i>				p	p	p			p		p	p			p	p
<i>Golfingia (Golfingia) elongata</i>												6				
<i>Golfingia</i>																
<i>Nephasoma (Nephasoma) minutum</i>					3		3			4		22				
<i>Thysanocardia procera</i>																
<i>Golfingiidae</i>	(juvenile)					3		7	2		1			4	2	1
<i>Phascolion (Phascolion) strombus strombus</i>																
<i>Lagotia viridis</i>														p		
<i>Derbesia</i>																
<i>Ceramium</i>																
<i>Pterothamnion plumula</i>																
<i>Polysiphonia</i>					p	p			p	p		p			p	
<i>Plumaria plumosa</i>																
<i>Corallina officinalis</i>																
<i>Corallinaceae</i>									p							

Taxa	Notes	S3-G07	S3-G08	S4-G01	S4-G02	S4-G03	S4-G04	S4-G05	S4-G06	S4-G07	S4-G08	S4-G09	S4-G10	S5-G01	S5-G02	S5-G03
<i>Phyllophora</i>																
<i>Palmaria palmata</i>																
<i>Placodium cartilagineum</i>		p		p		p	p	p	p	p					p	p
<i>Rhodophyta</i>	(encrusting)															
<i>Rhodophyta</i>	(filamentous)											p				
<i>Rhodophyta</i>	(foliose)					p				p		p				
<i>Rhodophyta</i>												p				
<i>Phaeophyceae</i>																
<i>Phaeophyceae</i>	(filamentous)											p				
<i>Phaeophyceae</i>	(foliose)															
Maerl indet	(<i>Phymatolithon calcareum</i>)	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p

Plastic		N	N	N	N	N	Y	Y	Y	Y	Y	Y	N	N	N	Y
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Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Grania</i>			1		1				2		4	1			1	
<i>Tubificoides benedii</i>																
<i>Oligochaeta</i>	(damaged)															
<i>Pareurythoe borealis</i>		1	2						1	8	9	6	7	21		7
<i>Protodorvillea kefersteini</i>		1	1	3	1	4	1	3	1			2	3		2	
<i>Schistasterias neglecta</i>						1						2			1	8
<i>Eunice vittata</i>					1				1					1		
<i>Eunice</i>	(damaged)															
<i>Lysidice unicornis</i>							3									
<i>Abyssoninoe hibernica</i>																
<i>Lumbrineris anara/cingulata</i> agg.	L. anara/cingulata agg.															
<i>Lumbrineris</i>							1									
<i>Scoletoma magnidentata</i>																
<i>Lumbrineridae</i>																p
<i>Notocirrus scoticus</i>																
<i>Aponuphis bilineata</i>					1		4	1	1	1		1	6		1	3
<i>Nothria conchylega</i>																
<i>Aphrodita aculeata</i>																
<i>Glycera alba</i>																
<i>Glycera celtica</i>																
<i>Glycera fallax</i>				1				1								
<i>Glycera lapidum</i>		4	5	10	8	5	7	19	3	6	3	4	6	6	4	8
<i>Glycera oxycephala</i>																
<i>Glycera</i>	(juvenile)															
<i>Glyceridae</i>	(juvenile)															
<i>Glycinde nordmanni</i>						1										
<i>Goniada maculata</i>																
<i>Goniadella gracilis</i>												1	1			1
<i>Goniadidae</i>	(damaged)															
<i>Gyptis propinqua</i>								1		2	2		1	1		
<i>Gyptis</i>	(damaged)															
<i>Hesiospina aurantiaca</i>			1		1				2	6	1		3			3
<i>Oxydromus</i>																
<i>Padarkeopsis capensis</i>																
<i>Psamathe fusca</i>		2	3	4	7	3		5	3	1	1	2	2	1	5	1
<i>Lacydonia miranda</i>		1	1			1			3	2	8	3	2			1
<i>Aglaophamus agilis</i>			1													
<i>Nephtys assimilis</i>							1									

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Nephtys caeca</i>																
<i>Nephtys cirrosa</i>																
<i>Nephtys hombergii</i>																
<i>Nephtys kersivalensis</i>																
<i>Nephtys</i>	(juvenile/damaged)						1									
<i>Nephtyidae</i>	(juvenile)															
<i>Eunereis longissima</i>																
<i>Platynereis dumerilii</i>																
<i>Pholoe baltica</i>																
<i>Pholoe inornata</i>																
<i>Eteone longa/flava</i> agg.	<i>E. longa/flava</i> agg.						2									
<i>Eulalia aurea</i>																
<i>Eulalia bilineata</i>																
<i>Eulalia expusilla</i>																
<i>Eulalia mustela</i>					1		1	1			2	1	1			
<i>Eulalia tripunctata</i>	?					1										
<i>Eulalia viridis</i>																
<i>Eulalia</i>													1			
<i>Eumida bahusiensis</i>																
<i>Eumida sanguinea</i>																
<i>Eumida</i>	(juvenile)															
<i>Hesionura elongata</i>								1								
<i>Mystides caeca</i>																
<i>Nereiphylla rubiginosa</i>			1					1		2	1	1	1			1
<i>Notophyllum foliosum</i>																
<i>Paranaitis kosteriensis</i>																
<i>Phyllodoce groenlandica</i>																
<i>Phyllodoce lineata</i>																
<i>Pseudomystides limbata</i>			1				2			1						3
<i>Phyllodocidae</i>	(juvenile)	1													1	1
<i>Gattyana cirrhosa</i>																
<i>Harmothoe impar</i>																1
<i>Harmothoe</i>													1			
<i>Lepidanotus clava</i>																
<i>Lepidanotus squamatus</i>																
<i>Malmgrenia ljungmani</i>		3			1	2		1	4							
<i>Malmgrenia marphysae</i>																
<i>Malmgrenia mcintoshii</i>																
<i>Malmgrenia</i>	(juvenile/damaged)			1		1				2		1				2
<i>Polynoidae</i>																
<i>Fimbriosthenelais zetlandica</i>																
<i>Pisone remota</i>		22	5	14	8	18		27	16	15	3	6	20	19	16	10
<i>Sigalion</i>	(juvenile)															
<i>Sthenelais limicola</i>																
<i>Ephesiella abyssorum</i>					1			1		3		1	1			1
<i>Sphaerodoridium minutum</i>																
<i>Sphaerodorium gracilis</i>								1								
<i>Amblyosyllis</i>	(damaged)															
<i>Brevicirrosyllis weismanni</i>																
<i>Diaplosyllis cirrosa</i>				1				1								1
<i>Eurysyllis tuberculata</i>																
<i>Exogone naidina</i>																
<i>Exogone verugera</i>																
<i>Odontosyllis fulgurans</i>									1							
<i>Odontosyllis gibba</i>						1		1		1	2		2	1		2

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Odontosyllis</i>	(juvenile/damaged)															
<i>Palposyllis prosostoma</i>																
<i>Parexogone hebes</i>							1									
<i>Palposyllis propeweismanni</i>	?															
<i>Pionosyllis</i>																
<i>Sphaerosyllis bulbosa</i>		4	2	1	1	5		11	2	5	4	3	9	2		19
<i>Sphaerosyllis hystrix</i>										2						
<i>Sphaerosyllis taylari</i>				1		1		1								
<i>Sphaerosyllis</i>																
<i>Streptodonta pterochaeta</i>																
<i>Syllis armillaris</i>	(agg. group)															
<i>Syllis licheri</i>													1			
<i>Syllis paraparari</i>			2	2	6	9	6	14		7		2	7	1	1	2
<i>Syllis pontxioi</i>		11	4	6	7	9		27	3		1	4	6	7	5	3
<i>Syllis vittata</i>	?					1										
<i>Syllis</i>			7		2	2	1	17		4	2			2		1
<i>Trypanosyllis (Trypanosyllis) coellaca</i>		1	4			1		12			1	2	1		2	12
<i>Eusyllinae</i>																
<i>Syllidae</i>	(juvenile/damaged)															
<i>Galathowenia oculata</i>																
<i>Myriochele danielsseni</i>																
<i>Owenia fusiformis</i>																
<i>Oweniidae</i>	(juvenile/damaged)															
<i>Branchiomma bombyx</i>																
<i>Dialychone dunerificta</i>		3			1		2	3		1						
<i>Dialychone</i>	(juvenile/damaged)															
<i>Euchone rubrocincta</i>											1					
<i>Euchone</i>																
<i>Jasmineira caudata</i>														1		
<i>Jasmineira</i>																
<i>Parasabella cambrensis</i>																
<i>Parasabella</i>	(damaged)															
<i>Pseudopotamilla reniformis</i>		1	1													
<i>Sabellidae</i>	(juvenile/damaged)					2						1				
<i>Apomatus similis</i>						2										
<i>Hydroides norvegica</i>			1	1	2	3		3	2	5	2				1	
<i>Serpula vermicularis</i>									1				1			
<i>Spirobranchus lamarcki</i>																
<i>Spirobranchus triquetter</i>										2	3					
<i>Spirobranchus</i>	(damaged)															
<i>Serpulidae</i>	(juvenile/damaged)													1		
<i>Spirorbinae</i>																
<i>Apistobanchus tenuis</i>																
<i>Paecilochaetus serpens</i>							1	1								
<i>Aonides oxycephala</i>																
<i>Aonides paucibranchiata</i>		1	2					5	7	1	1	4	1	4	3	4
<i>Aurospio banyulensis</i>									1		1					
<i>Dipolydora caulleryi</i>									1							
<i>Dipolydora coeca</i>																
<i>Dipolydora</i>	(damaged)															
<i>Laonice bahusensis</i>			1		1					1	1	1	1			1
<i>Malacoceros girardi</i>																
<i>Polydora</i>																
<i>Prionospio cirrifera</i>																
<i>Prionospio fallax</i>																

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Prionospio</i>													1			
<i>Pseudopolydora pulchra</i>																
<i>Scolecopsis korsuni</i>																
<i>Scolecopsis</i>	(damaged)															
<i>Spio martinensis</i>																
<i>Spio symphyta</i>							1									
<i>Spio</i>	(juvenile/damaged)															
<i>Spiophanes bombyx</i>																
<i>Spiophanes kroyeri</i>																
<i>Macrochaeta</i>						2		1		2	1		1			
<i>Ampharete lindstroemi</i>																
<i>Melinna elisabethae</i>																
<i>Ampharetidae</i>	(juvenile/damaged)						1									
<i>Aphelochaeta</i>																
<i>Cauleriella alata</i>																
<i>Cauleriella</i>																
<i>Chaetozone christiei</i>																
<i>Chaetozone setosa</i>																
<i>Chaetozone zetlandica</i>							1									
<i>Chaetozone</i>																
<i>Cirratulus cirratus</i>																
<i>Cirriformia</i>											1					
<i>Kirkegaardia</i>																
<i>Cirratulidae</i>	(juvenile)															
<i>Diplocirrus glaucus</i>																
<i>Diplocirrus stopbawitzi</i>										2						
<i>Diplocirrus</i>	(damaged)										1					
<i>Flabelligera affinis</i>																
<i>Amphictene auricoma</i>																
<i>Petta pusilla</i>										1						
<i>Eupolyornia nesidensis</i>																
<i>Lanice conchilega</i>																
<i>Nicola venustula</i>																
<i>Parathelepus collaris</i>		1								2			1	1		
<i>Pista bansei</i>							2									
<i>Pista cristata</i>																
<i>Pista mediterranea</i>											1					
<i>Pista</i>	(juvenile)															
<i>Polycirrus</i>					1		3	2					2			1
<i>Terebellidae</i>	(juvenile/damaged)														1	
<i>Terebellides stroemii</i>																
<i>Trichobranthus glacialis</i>																
<i>Capitella</i>	(juvenile)															
<i>Mediomastus fragilis</i>							46									
<i>Notomastus</i>							1	3	1	1		2	1		2	1
<i>Magelona alleni</i>																
<i>Magelona filiformis</i>																
<i>Magelona</i>	(damaged)															
<i>Clymenura</i>																
<i>Euclymene droebachiensis</i>																
<i>Euclymene lombricoides</i>	?															
<i>Euclymene oerstedii</i>																
<i>Euclymene</i>																
<i>Heteroclymene robusta</i>																
<i>Leiochane leiopygos</i>																

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Leioclione</i>											1					
<i>Notoproctus</i>									3	1				6		
<i>Praxillella affinis</i>																
<i>Praxillella praetermissa</i>																
<i>Rhodine gracilior</i>																
<i>Maldanidae</i>	(damaged)															
<i>Armandia polyopthalma</i>																
<i>Ophelia celtica</i>																
<i>Polyopthalmus pictus</i>																
<i>Opheliidae</i>	(damaged)															
<i>Orbinia</i>	(damaged)															
<i>Scoloplos armiger</i>							9									
<i>Aricidea (Acmira) cerrutii</i>																
<i>Cirrophorus branchiatus</i>																
<i>Paradoneis ilvana</i>																
<i>Paradoneis lyra</i>																
<i>Paraonides neapolitana</i>																
<i>Paraonidae</i>	(damaged)															
<i>Polygordius</i>		5	16	23	25	14	1	54	19	27	6	27	33	31	32	30
<i>Sabellaria spinulosa</i>																
<i>Scalibregma celticum</i>																
<i>Scalibregma inflatum</i>																
<i>Collembala</i>																
<i>Balanus balanus</i>								1								
<i>Balanus crenatus</i>																
<i>Verruca stroemia</i>														1	1	
<i>Cirripedia</i>	(damaged)								1							2
<i>Copepoda</i>			3	7	2		3		5	6	2	1	4	6		
<i>Ampelisca brevicornis</i>							3									
<i>Ampelisca diadema</i>																
<i>Ampelisca spinipes</i>																
<i>Ampelisca tenuicornis</i>																
<i>Ampelisca typica</i>				1												
<i>Ampelisca</i>	(juvenile/damaged)															
<i>Amphilochus manudens</i>																
<i>Aoridae</i>																
<i>Argissa hamatipes</i>																
<i>Nototropis swammerdamei</i>																
<i>Nototropis vedlomensis</i>																
<i>Nototropis falcatus</i>																
<i>Atylidae</i>	(damaged)															
<i>Bathyporeia elegans</i>																
<i>Bathyporeia pelagica</i>																
<i>Bathyporeia</i>	(damaged)															
<i>Apherusa bispinosa</i>																
<i>Pariambus typicus</i>																
<i>Parvipalpus capillaceus</i>																
<i>Phthisica marina</i>																
<i>Pseudoprotella phasma</i>																
<i>Caprellidae</i>	(juvenile)															
<i>Cheirocratus assimilis</i>																
<i>Cheirocratus sundevallii</i>						1										
<i>Cheirocratus</i>			1													
<i>Leptocheirus hirsutimanus</i>												1				
<i>Leptocheirus pectinatus</i>																

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Leptocheirus</i>	(damaged)									1						
<i>Cressa dubia</i>																
<i>Dexamine spinosa</i>																
<i>Eusirus longipes</i>								1					1			
Gammaridae																
<i>Centraloecetes striatus</i>																
<i>Leucothoe incisa</i>																
<i>Liljeborgia kinahani</i>													1			
<i>Lysianassa ceratina</i>																
<i>Lysianassa plumosa</i>										1						2
<i>Socarnes erythrophthalmus</i>		1			2			1	12	10	34	2	13	23	1	
Lysianassidae	(juvenile/damaged)															
<i>Animoceraodocus semiserratus</i>			3			1			2	10	9	6	13	4		7
<i>Maerella tenuimana</i>																
<i>Othomaera othonis</i>													1			
<i>Abludomelita obtusata</i>																
Melitidae	(inc. damaged/juv. specimens)															
<i>Deflexilodes subnudus</i>					1											
<i>Kroyera carinata</i>				1												
<i>Deflexilodes subnudus</i>							1	1								
Monaculodes	(damaged)															
<i>Periculodes longimanus</i>																
<i>Pantocrates altamarinus</i>																
<i>Pantocrates arenarius</i>					2	2			1						2	1
<i>Synchelidium haplocheles</i>																
<i>Synchelidium maculatum</i>																
<i>Westwoodilla caecula</i>																
Oedicerotidae	(juvenile/damaged)															
<i>Gammaropsis labata</i>													5	2		2
<i>Gammaropsis maculata</i>																
<i>Gammaropsis</i>										1						
<i>Megamphopus cornutus</i>			1													
<i>Photis longicaudata</i>																
<i>Harpinia antennaria</i>									1							
<i>Harpinia laevis</i>																
<i>Metaphoxus fultoni</i>									1	1						
Phoxocephalidae																
Stenothoidae	(juvenile)															
<i>Hippomedon denticulatus</i>																
<i>Lepidepcreum longicornis</i>										1						
<i>Tryphosella nanoides</i>																
<i>Menigrates obtusifrons</i>																
<i>Tmetonyx similis</i>								1								
<i>Urothoe elegans</i>								2								
<i>Urothoe marina</i>																
Urothoe	(damaged)															
<i>Bodotria arenosa</i>																
<i>Bodotria scorioides</i>																
<i>Iphinoe serrata</i>																
<i>Iphinoe trispinosa</i>																
<i>Vaunthompsonia cristata</i>						1					1					
<i>Diastylis lucifera</i>																
<i>Diastylodes biplicatus</i>																
Diastylidae	(damaged)															
<i>Eudarellapsis deformis</i>																

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Leuconidae</i>																
<i>Campylaspis legendrei</i>																
<i>Campylaspis</i>																
<i>Cumella (Cumella) pygmaea</i>													1			
<i>Nannastacus unguiculatus</i>																
<i>Cumacea</i>	(damaged)					p										
<i>Atelecyclus rotundatus</i>																
<i>Galathea intermedia</i>														1		
<i>Galathea</i>	(juvenile)										1					
<i>Ebalia tuberosa</i>								1		1						
<i>Ebalia tumefacta</i>																
<i>Eurynome aspera</i>																
<i>Eurynome</i>	(damaged)															
<i>Anapagurus hyndmanni</i>																
<i>Paguridae</i>																
<i>Liocarcinus pusillus</i>																
<i>Liocarcinus</i>																
<i>Brachyura</i>	(juvenile)															
<i>Decapoda (zoea larvae)</i>	(zoea larvae)															
<i>Pleocyemata</i>	(juvenile)															
<i>Anthura gracilis</i>																
<i>Astacilla dilatata</i>																
<i>Astacilla</i>																
<i>Conilera cylindracea</i>		3		1							2			1		
<i>Eurydice inermis</i>		1					1	2		1	1			1	1	1
<i>Eurydice spinigera</i>																
<i>Eurydice</i>	(damaged)															
<i>Gnathia dentata</i>					1											
<i>Gnathia oxyraea</i>																
<i>Gnathia (pranzia larvae)</i>	(pranzia larvae)												1			
<i>Gnathia</i>									2							
<i>Janira maculosa</i>			1								1					
<i>Cymodoce truncata</i>								1					2			
<i>Nebalia abyssicola</i>																
<i>Nebalia bipes</i>																
<i>Nebalia kocotasi</i>																
<i>Nebalia</i>	(damaged)															
<i>Sarsinebalia typhlops</i>																
<i>Sarsinebalia urgorrii</i>																
<i>Nebaliacea</i>																
<i>Mysida</i>	(damaged)															
<i>Pseudoparatanais batei</i>																
<i>Pseudotanaeis forcipatus</i>																
<i>Tanaopsis graciloides</i>							2									
<i>Paratyphlotanaeis microcheles</i>																
<i>Tanaidacea</i>	(juvenile)															
<i>Ostracoda</i>																
<i>Achelia echinata</i>																3
<i>Callipallene brevisrostris</i>																
<i>Callipallene tiberi</i>																
<i>Anoplodactylus petiolatus</i>																1
<i>Anoplodactylus</i>	(damaged)															
<i>Aetea anguina</i>		p	p	p	p			p	p							p
<i>Aetea sica</i>													p		p	
<i>Schizomavella</i>															p	

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Bugulina flabellata</i>																
<i>Bugulina</i>								p	p				p			
<i>Callopora dumerilii</i>																
<i>Callopora lineata</i>																
<i>Callopora</i>																
<i>Cradoscrupocellaria</i>						p		p	p	p	p		p	p		
<i>Scrupocellaria scrupea</i>														p		
<i>Scrupocellaria scruposa</i>																
<i>Scrupocellaria</i>																p
<i>Cellaria</i>								p						p		
<i>Turbicellepora avicularis</i>																
<i>Criblilaria innominata</i>																
<i>Puellina</i>																
<i>Electra pilosa</i>																
<i>Escharina</i>																
<i>Eucratea loricata</i>																
<i>Escharoides coccinea</i>									p							
<i>Escharoides mamillata</i>			p					p	p			p		p		
<i>Flustra foliacea</i>		p		p		p	p		p		p	p				p
<i>Securiflustra securifrons</i>								p			p	p				p
<i>Fenestrulina malusii</i>															p	
<i>Microporella ciliata</i>											p					
<i>Microporella</i>																
<i>Escharella</i>																
<i>Scruparia</i>																
<i>Parasmittina trispinosa</i>															p	
<i>Chelostomatida</i>																
<i>Alcyonidium diaphanum</i>																
<i>Alcyonidium parasiticum</i>																
<i>Crisia denticulata</i>				p		p		p	p		p		p	p		p
<i>Crisia eburnea</i>								p	p	p						p
<i>Crisia ramosa</i>	?															
<i>Crisia</i>																
<i>Crisidia cornuta</i>					p											
<i>Crisiidae</i>																
<i>Disporella hispida</i>																
<i>Plagioecia patina</i>					p							p	p	p	p	
<i>Exidmonea atlantica</i>																
<i>Tubulipora liliacea</i>									p			p				
<i>Tubulipora</i>					p											
<i>Chaetognatha</i>										3			3	1	2	
<i>Ammodytes marinus</i>												2	1			
<i>Ammodytes tobianus</i>																
<i>Actinopterygii (larvae)</i>	(larvae)															
<i>Asciidiella aspersa</i>																
<i>Molgula</i>																
<i>Polycarpa pomaria</i>																
<i>Styela coriacea</i>																
<i>Styelidae</i>																
<i>Asciadiacea (colonial)</i>	(colonial)															
<i>Asciadiacea</i>	(inc. juvenile & damaged)															
<i>Branchiostoma lanceolatum</i>		7	1	3	1	1		2			2		4			5
<i>Anemonia viridis</i>																
<i>Actiniidae</i>																
<i>Edwardsia claparedii</i>		1			3							2	2	2		

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Edwardsia</i>	(inc. damaged specimens)		1						1							
Edwardsiidae	(inc. damaged specimens)															
<i>Caryophyllia (Caryophyllia) smithii</i>						2		1								
<i>Cerianthus lloydii</i>													1			
<i>Epizoanthus papillosus</i>																
Anthoathecata																
<i>Obelia longissima</i>																
<i>Obelia</i>																
<i>Halopteris catharina</i>																
<i>Kirchenpaueria pinnata</i>																
<i>Nemertesia antennina</i>																
Plumulariidae																
<i>Sertularella</i>																
<i>Astropecten irregularis</i>																
<i>Antedon bifida</i>																3
<i>Echinocyamus pusillus</i>		1	2	5	4	1	1	15		5	10	19	1	5		4
<i>Brissopsis lyrifera</i>																
<i>Echinocardium cordatum</i>																
<i>Echinocardium flavescens</i>																
Echinoidea	(juvenile)															
<i>Labidoplax buskii</i>																
<i>Leptosynapta bergensis</i>																
<i>Leptosynapta decaria</i>																
<i>Leptosynapta minuta</i>			2		1				2	3	2		1	3		
<i>Thyone fusus</i>																
<i>Amphipholis squamata</i>			2		2	1				1	1	4	7	3		
<i>Amphiura chiajei</i>																
<i>Amphiura filiformis</i>																
<i>Amphiura</i>	(juvenile)															
Amphiuridae	(juvenile/damaged)															
<i>Ophiocomina nigra</i>																
<i>Ophiacten affinis</i>															1	
<i>Ophiura albida</i>																
Ophiuroidea	(juvenile)	2				5		2	3	10	8		4	5	4	8
<i>Hiatella arctica</i>																3
Ensis	(damaged)						p									
<i>Phaxas pellucidus</i>							1									
<i>Glycymeris glycymeris</i>		3				1		4	1	7	4	3	7	4	1	2
<i>Parvicardium pinnulatum</i>			1		2	1		2		1	1	3			1	9
<i>Parvicardium scabrum</i>																
Parvicardium	(juvenile/damaged)												2	1		
<i>Gari costulata</i>			1													
<i>Gari fervensis</i>																
<i>Gari tellinella</i>		11	24	6	17	6	4	35	6	31	6	5	20	10	36	57
<i>Abra alba</i>					1		1									
<i>Abra nitida</i>													2			
<i>Abra prismatica</i>																
Abra	(juvenile/damaged)															
<i>Arcopagia crassa</i>		1							1		2	2	1		1	7
<i>Asbjornsenia pygmaea</i>		4	7	7	6	4	3	42		1	1	3	6		10	14
<i>Fabulina fabula</i>																
<i>Moerella donacina</i>							1									
<i>Goodallia triangularis</i>		11	11	18	7	35	2	68	14	144	103	95	68	116	14	141
<i>Limaria hians</i>	(juvenile)											1	2			
<i>Limatula subauriculata</i>		4	5	1				15	11	11	4	12	14	18	13	11

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Lucinoma borealis</i>												1				
<i>Myrtea spinifera</i>																
<i>Thyasira flexuosa</i>																
<i>Thyasira</i>	(damaged)															
<i>Mya truncata</i>																
<i>Crenella decussata</i>																
<i>Modiolula phaseolina</i>		1						4		1	2	3		6	1	242
<i>Musculus discors</i>																
<i>Musculus subpictus</i>								1								17
<i>Mytiloidea</i>	(juvenile)															
<i>Nucula nitidosa</i>																
<i>Anomia ephippium</i>								1								
<i>Anomiidae</i>	(juvenile)												1			
<i>Pecten maximus</i>	(juvenile)															
<i>Arctica islandica</i>	(juvenile/immature)															
<i>Chamelea striatula</i>																
<i>Clausinella fasciata</i>		5	3	4	1	6		5	3	10	14	8	3	5	1	7
<i>Dosinia exoleta</i>		2				1							4			
<i>Dosinia lupinus</i>					1										1	2
<i>Dosinia</i>	(juvenile)	1	6	5	3	4		26	3	2	1	10	15	4	1	20
<i>Gouldia minima</i>			2	1		5		5	8	29	24	9	4	28	1	7
<i>Politapes rhomboides</i>			1			1	1				1	2		1		
<i>Ruditapes decussatus</i>																
<i>Tapes</i>	(juvenile)															
<i>Timoclea ovata</i>		2	2	2	2	7	9	13	6	15	15	6	1	13	2	16
<i>Venerupis corrugata</i>																
<i>Venus casina</i>									2	3		2		4		
<i>Veneridae</i>	(juvenile)	2	2						4	4			2			2
<i>Hemileptan nitidum</i>																
<i>Kurtiella bidentata</i>																
<i>Tellinmya ferruginosa</i>																
<i>Lyansia norwegica</i>																
<i>Spisula elliptica</i>			2	2	2	1	1	3				1	1		6	5
<i>Spisula</i>	(juvenile)															1
<i>Mastridae</i>	(juvenile)															
<i>Cochlodesma praetenuae</i>						1										
<i>Thracia phaseolina</i>																
<i>Thracia villosiuscula</i>			1	1	2	1	2	10	11	3	6	3	4	5	1	7
<i>Thracia</i>	(juvenile/damaged)															
<i>Bivalvia</i>	(juvenile/damaged & siphons)	p								1						
<i>Chaetoderma nitidulum</i>																
<i>Turritella communis</i>																
<i>Cephalaspidea</i>	(damaged)															
<i>Cylichna cylindracea</i>																
<i>Retusa truncatula</i>																
<i>Caecum glabrum</i>																
<i>Caecum imperforatum</i>																
<i>Calyptrea chinensis</i>									1							
<i>Eulima bilineata</i>																
<i>Melanella alba</i>		1														
<i>Vitreolina philippi</i>													1			
<i>Euspira catena</i>																
<i>Euspira montagui</i>					1											
<i>Euspira nitida</i>			1												1	
<i>Euspira</i>	(juvenile)															1

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Alvania beanii</i>																
<i>Alvania punctura</i>										3						1
<i>Alvania</i>	(damaged)															
<i>Onoba semicostata</i>																
<i>Rissoa parva</i>																3
<i>Skeneopsis planorbis</i>																
<i>Comarmondia gracilis</i>																
<i>Mangelia costata</i>																
<i>Mangelia</i>	(damaged)															
<i>Tritia incrassata</i>																
<i>Raphitoma linearis</i>																
<i>Doto</i>																
<i>Trapania pallida</i>																
<i>Polyceridae</i>																
<i>Tricolia pullus</i>																
<i>Gibbula tumida</i>																
<i>Gibbula</i>	(juvenile/damaged)															
<i>Jujubinus montagui</i>																
<i>Trachidae</i>	(juvenile)															
<i>Testudinaria testudinalis</i>										1						
<i>Patella pellucida</i>																
<i>Brachystomia scalaris</i>																
<i>Brachystomia</i>																
<i>Chrysalida</i>	(damaged)															
<i>Odostomia plicata</i>																
<i>Odostomia unidentata</i>																
<i>Odostomia</i>						1										
<i>Ondina divisa</i>																
<i>Ondina</i>	(damaged)															
<i>Gastropoda</i>	(damaged)															
<i>Heterobranchia</i>	(<i>Valvulella acuminata</i> ?)															
<i>Acanthochitona crinita</i>																
<i>Stenosemus albus</i>																
<i>Tonicella marmorea</i>																
<i>Leptochiton asellus</i>			1					5		6	2	3	3	1		8
<i>Leptochiton cancellatus</i>								5		9	3	6	6			4
<i>Antalis entalis</i>																
<i>Scaphopoda</i>	(juvenile)															
<i>Nematoda</i>		44	12	90	46	66	23	103	56	88	41	51	85	102	22	103
<i>Cerebratulus</i>																
<i>Nemertea</i>		5	3	1	3	3	2	4	3	8	3	2	5	4	5	6
<i>Phoronis</i>																
<i>Platyhelminthes</i>																
<i>Leucosolenia</i>																p
<i>Sycon ciliatum</i>						1			1	1	2			1		
<i>Cliona celata</i>																
<i>Clionidae</i>																
<i>Porifera</i>			p			p			p		p					
<i>Golfingia (Golfingia) elongata</i>						1									1	
<i>Golfingia</i>																
<i>Nephasoma (Nephasoma) minutum</i>		2	2			6		4	2		1					5
<i>Thysanocardia procera</i>																
<i>Golfingiidae</i>	(juvenile)		1							1			6			
<i>Phascolion (Phascolion) strombus strombus</i>												1				
<i>Lagotia viridis</i>																

Taxa	Notes	S5-G04	S5-G05	S5-G06	S5-G07	S5-G08	S5-G09	S5-G10	S6-G01	S6-G02	S6-G03	S6-G04	S6-G05	S6-G06	S6-G07	S6-G08
<i>Derbesia</i>																
<i>Ceramium</i>										p						
<i>Pterothamnion plumula</i>																
<i>Polysiphonia</i>			p						p		p	p				p
<i>Plumaria plumosa</i>																
<i>Corallina officinalis</i>																
<i>Corallinaceae</i>																
<i>Phyllophora</i>																
<i>Palmaria palmata</i>																
<i>Placarium cartilagineum</i>		p	p					p						p		
<i>Rhodophyta</i>	(encrusting)															
<i>Rhodophyta</i>	(filamentous)															
<i>Rhodophyta</i>	(foliose)		p									p				
<i>Rhodophyta</i>																
<i>Phaeophyceae</i>			p													
<i>Phaeophyceae</i>	(filamentous)															
<i>Phaeophyceae</i>	(foliose)															
Maeri indet	(<i>Phymatolithon calcareum</i>)	p	p	p	p	p		p	p	p	p	p	p	p	p	p

Plastic		Y	Y	N	Y	Y	Y	Y	N	Y	N	N	N	Y	Y	Y
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Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Grania</i>						3	1	4	1		1	2	3		5	
<i>Tubificoides benedii</i>																
<i>Oligochaeta</i>	(damaged)															
<i>Pareurythoe borealis</i>		1											2			
<i>Protodorvillea kefersteini</i>		2		2		6		1		1	3	7	3		1	
<i>Schistomeringos neglecta</i>		1										1	1		3	
<i>Eunice vittata</i>																
<i>Eunice</i>	(damaged)															
<i>Lysidice unicornis</i>				3		1				2			1		2	
<i>Abyssoninoe hibernica</i>																
<i>Lumbrineris aniana/cingulata</i> agg.	<i>L. aniana/cingulata</i> agg.					2										1
<i>Lumbrineris</i>						1										
<i>Scoletoma magnidentata</i>										1						
<i>Lumbrineridae</i>				4			1									
<i>Notocirrus scoticus</i>																
<i>Aponuphis bilineata</i>		1		4		5	1	3		2	12		3		2	3
<i>Nothria conchylega</i>																
<i>Aphrodita aculeata</i>				1												
<i>Glycera alba</i>			2													
<i>Glycera celtica</i>																
<i>Glycera fallax</i>																
<i>Glycera lapidum</i>		7	2	3		7		13	7	3	5	2	5	4	11	2
<i>Glycera oxycephala</i>																
<i>Glycera</i>	(juvenile)															
<i>Glyceridae</i>	(juvenile)															
<i>Glycinde nordmanni</i>			1	2		1	2		3							
<i>Goniada maculata</i>																
<i>Goniadella gracilis</i>		1						6		1	1				4	
<i>Goniadidae</i>	(damaged)															
<i>Gyptis propinqua</i>				1												
<i>Gyptis</i>	(damaged)															

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Hesiospina aurantiaca</i>		1		2		3			1							
<i>Oxydromus</i>																
<i>Podarkeopsis capensis</i>				2												
<i>Psamathe fusca</i>		3						5		5		1	2	1	2	
<i>Lacydonia miranda</i>													1	1		
<i>Aglaophamus agilis</i>																
<i>Nephtys assimilis</i>								1		1						
<i>Nephtys caeca</i>		1														
<i>Nephtys cirrosa</i>																1
<i>Nephtys hombergii</i>			2													
<i>Nephtys kersivalensis</i>				5		2					2					
<i>Nephtys</i>	(juvenile/damaged)															
<i>Nephtyidae</i>	(juvenile)															
<i>Eunereis longissima</i>																
<i>Platynereis dumerilii</i>																
<i>Pholoe baltica</i>						2										
<i>Pholoe inornata</i>				5		5	3								1	
<i>Eteone longa/flava</i> agg.	<i>E. longa/flava</i> agg.			1		2		1			5					
<i>Eulalia aurea</i>																
<i>Eulalia bilineata</i>				2			1									
<i>Eulalia expusilla</i>							1		1							
<i>Eulalia mustela</i>		1								2			1	2		
<i>Eulalia tripunctata</i>	?															
<i>Eulalia viridis</i>								1			1				2	
<i>Eulalia</i>						1			1							
<i>Eumida bahusiensis</i>				4												
<i>Eumida sanguinea</i>			2							1	2		1		1	
<i>Eumida</i>	(juvenile)											1				
<i>Hesionura elongata</i>									1							
<i>Mystides caeca</i>																
<i>Nereiphylla rubiginosa</i>		1				1										
<i>Notaphyllum foliosum</i>																
<i>Paranaitis kosteriensis</i>																
<i>Phyllodoce groenlandica</i>																
<i>Phyllodoce lineata</i>																
<i>Pseudomystides limbata</i>		3								1	1		1	1		
<i>Phyllodoceidae</i>	(juvenile)															
<i>Gattiana cirrhosa</i>																
<i>Harmothoe impar</i>																
<i>Harmothoe</i>						2		1								
<i>Lepidonotus clava</i>							1									
<i>Lepidonotus squamatus</i>																
<i>Malmgrenia ljunghmani</i>										2					1	
<i>Malmgrenia marphysae</i>				1												
<i>Malmgrenia mcintoshi</i>																
<i>Malmgrenia</i>	(juvenile/damaged)	1			1											
<i>Polynoidae</i>				2												
<i>Fimbriosthenelais zetlandica</i>																
<i>Pisone remota</i>		20						15	1	13		8	8	10	12	
<i>Sigalion</i>	(juvenile)															
<i>Sthenelais limicola</i>																1
<i>Ephesiella abyssorum</i>																
<i>Sphaerodoridium minutum</i>																
<i>Sphaerodorium gracilis</i>						1									1	
<i>Amblyosyllis</i>	(damaged)															

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Brevicirrosyllis weismanni</i>										2						
<i>Dioplosyllis cirrosa</i>		2						1		2						
<i>Eurysyllis tuberculata</i>				1		2							1			
<i>Exogone naidina</i>																
<i>Exogone verugera</i>						1										
<i>Odontosyllis fulgurans</i>						1					1	1				
<i>Odontosyllis gibba</i>			1				1								3	1
<i>Odontosyllis</i>	(juvenile/damaged)															
<i>Palposyllis prosostoma</i>																
<i>Parexogone hebes</i>						1										
<i>Palposyllis propeweismanni</i>	?															
<i>Pionosyllis</i>																
<i>Sphaerosyllis bulbosa</i>		4											3		9	
<i>Sphaerosyllis hystrix</i>												1				
<i>Sphaerosyllis taylari</i>														1		
<i>Sphaerosyllis</i>																
<i>Streptodonta pterochaeta</i>																
<i>Syllis armillarlis</i>	(agg. group)								1							
<i>Syllis licheri</i>																
<i>Syllis parapari</i>		3				1		9	14	36	3	20	14	8	8	
<i>Syllis pontxiai</i>		4						25	11	7	4	7	12	3	14	
<i>Syllis vittata</i>	?															
<i>Syllis</i>		2						11	2	6			2	2	11	
<i>Trypanosyllis (Trypanosyllis) coeliaca</i>		1						6	3	1		1	2	1	7	1
<i>Eusyllinae</i>																
<i>Syllidae</i>	(juvenile/damaged)															
<i>Galathowenia oculata</i>					2		3									
<i>Myriochele danielsseni</i>				4	1	2	5	2								
<i>Owenia fusiformis</i>			5	2		1	2				1					
<i>Oweniidae</i>	(juvenile/damaged)		4													
<i>Branchiomma bombyx</i>																
<i>Dialychone dunerificta</i>								17	3	6	1		2		9	
<i>Dialychone</i>	(juvenile/damaged)					1										
<i>Euchone rubrocincta</i>																
<i>Euchone</i>						4										
<i>Jasmineira caudata</i>						3			4							
<i>Jasmineira</i>																
<i>Parasabella cambrensis</i>						1										
<i>Parasabella</i>	(damaged)															
<i>Pseudopotamilla reniformis</i>																
<i>Sabellidae</i>	(juvenile/damaged)			2		4							1			1
<i>Apomatus similis</i>													2		1	
<i>Hydroides norvegica</i>			2	5	4			2	2	5			2	3	1	
<i>Serpula vermicularis</i>							1									
<i>Spirobranchus lamarcki</i>				2			1							4	1	1
<i>Spirobranchus triqueter</i>		2				1			2	8				2	1	
<i>Spirobranchus</i>	(damaged)															
<i>Serpulidae</i>	(juvenile/damaged)					1								1		
<i>Spirobranchidae</i>																
<i>Apistobranchnus tenuis</i>																
<i>Poecilochaetus serpens</i>																
<i>Aonides oxycephala</i>				1												
<i>Aonides paucibranchiata</i>		2	2					11	2	1		2	1	1	1	1
<i>Aurosipio banyulensis</i>				3		1		4		4	3				2	
<i>Dipolydora caulleryi</i>						1										

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Dipolydora caeca</i>							3									
<i>Dipolydora</i>	(damaged)															
<i>Laonice bahusiensis</i>				1		2			1	1	1					
<i>Malacoceros girardi</i>																
<i>Polydora</i>																
<i>Prionospio cirrifera</i>																
<i>Prionospio fallax</i>			5		1											
<i>Prionospio</i>									1							
<i>Pseudopolydora pulchra</i>											1					
<i>Scolelepis korsuni</i>																
<i>Scolelepis</i>	(damaged)															
<i>Spio martinensis</i>																
<i>Spio symphyta</i>					3											1
<i>Spio</i>	(juvenile/damaged)		1													
<i>Spiophanes bombyx</i>								2								2
<i>Spiophanes kroyeri</i>						1										
<i>Macrochaeta</i>				3		1						1	3		1	
<i>Ampharete lindstroemi</i>			1		1											
<i>Melinna elisabethae</i>																
<i>Ampharetidae</i>	(juvenile/damaged)					1										
<i>Aphelochaeta</i>						2										
<i>Caulerella alata</i>						1	2	1								
<i>Caulerella</i>																
<i>Chaetozone christiei</i>			1	1												
<i>Chaetozone setosa</i>																
<i>Chaetozone zetlandica</i>				2												
<i>Chaetozone</i>			1													
<i>Cirratulus cirratus</i>																
<i>Cirriformia</i>																
<i>Kirkegaardia</i>																
<i>Cirratulidae</i>	(juvenile)															
<i>Diplocirrus glaucus</i>			7	4	5	2	2			2						
<i>Diplocirrus stopbowitzi</i>																
<i>Diplocirrus</i>	(damaged)															
<i>Flabelligera affinis</i>																
<i>Amphictene auricoma</i>			1	2			1									
<i>Petta pusilla</i>																
<i>Eupolymnia nesidensis</i>																
<i>Lanice conchilega</i>																
<i>Nicolea venustula</i>							1									
<i>Parathelepus collaris</i>								1		1						
<i>Pista barsei</i>			2	2		1	4	16	6	2	30				4	
<i>Pista cristata</i>					2											1
<i>Pista mediterranea</i>				3		1		5		2					3	
<i>Pista</i>	(juvenile)															
<i>Polycirrus</i>		2	2	4		2	1	2	9	1		2		1	1	1
<i>Terebellidae</i>	(juvenile/damaged)	1				1				1	1			1		
<i>Terebellides stroemii</i>				5		2										
<i>Trichobranchus glacialis</i>																
<i>Capitella</i>	(juvenile)															
<i>Mediomastus fragilis</i>			1	46		129		64	1	2	30		2		1	3
<i>Notomastus</i>				1				4	7	9	2				2	
<i>Magelona alleni</i>			2	1	4											
<i>Magelona filiformis</i>			2													
<i>Magelona</i>	(damaged)						1									

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Clymenura</i>				1												1
<i>Euclymene droebachiensis</i>					2	1	3									
<i>Euclymene lambricoides</i>	?															
<i>Euclymene oerstedii</i>			2	4		3										
<i>Euclymene</i>				2							1					
<i>Heteroclymene robusta</i>																
<i>Leiochone leiopygos</i>																
<i>Leiochone</i>														1		
<i>Notoproctus</i>															1	
<i>Praxillella affinis</i>																
<i>Praxillella praetermissa</i>																
<i>Rhodine gracilior</i>			1													
<i>Maldanidae</i>	(damaged)										1					
<i>Armandia polyophtalma</i>												1			2	
<i>Ophelia celtica</i>																
<i>Polyophtalmus pictus</i>				4												
<i>Opheliidae</i>	(damaged)															
<i>Orbinia</i>	(damaged)															
<i>Scoloplos armiger</i>						3	2									
<i>Aricidea (Acmira) cerrutii</i>				2				1			2					
<i>Cirrophorus branchiatus</i>																
<i>Paradoneis ilvana</i>				6												
<i>Paradoneis lyra</i>			1	3		8										
<i>Paraonides neapolitana</i>							6									
<i>Paraonidae</i>	(damaged)															
<i>Polygordius</i>		17				1		26	23	24		17	56	7	22	
<i>Sabellaria spinulosa</i>			3													
<i>Scalibregma celticum</i>				6		2										
<i>Scalibregma inflatum</i>						1										
<i>Collembala</i>																
<i>Balanus balanus</i>							5	11						3		
<i>Balanus crenatus</i>													1			
<i>Verruca stroemia</i>				2			3			1						
<i>Cirripecta</i>	(damaged)			1				6								
<i>Copepoda</i>		4						6	2	2	1	14	8	1	2	3
<i>Ampelisca brevicornis</i>			1													
<i>Ampelisca diadema</i>																
<i>Ampelisca spinipes</i>																
<i>Ampelisca tenuicornis</i>							4									
<i>Ampelisca typica</i>						1					2					2
<i>Ampelisca</i>	(juvenile/damaged)		5													
<i>Amphilochus manudens</i>																
<i>Aoridae</i>																
<i>Argissa hamatipes</i>																
<i>Nototropis swammerdamei</i>																
<i>Nototropis vedlomensis</i>								1				1				
<i>Nototropis falcatus</i>																
<i>Atylidae</i>	(damaged)															
<i>Bathyporeia elegans</i>																
<i>Bathyporeia pelagica</i>																
<i>Bathyporeia</i>	(damaged)															
<i>Apherusa bispinosa</i>																
<i>Pariambus typicus</i>																
<i>Parvipalpus capillaceus</i>				2												
<i>Phtisica marina</i>																

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Pseudoprotella phasma</i>							2									
Caprellidae	(juvenile)						2									
<i>Cheirocratus assimilis</i>														1		
<i>Cheirocratus sundevallii</i>																
<i>Cheirocratus</i>																
<i>Leptocheirus hirsutimanus</i>									1	11	1					
<i>Leptocheirus pectinatus</i>																
<i>Leptocheirus</i>	(damaged)															
<i>Cressa dubia</i>																
<i>Dexamine spinosa</i>																
<i>Eusirus longipes</i>						1										
Gammaridae																
<i>Centraloecetes striatus</i>			1													
<i>Leucothoe incisa</i>															1	
<i>Liljeborgia kinahani</i>																
<i>Lysianassa ceratina</i>																
<i>Lysianassa plumosa</i>				20		5			1		1					
<i>Socarnes erythrophthalmus</i>		2									1	1	18		1	
Lysianassidae	(juvenile/damaged)															
<i>Animaceradocus semiserratus</i>				3					3			1	9		2	
<i>Maerella tenuimana</i>			1													
<i>Othomaera othonis</i>																
<i>Abludomelita obtusata</i>																
Mellitidae	(inc. damaged/juv. specimens)															
<i>Deflexilodes subnudus</i>																
<i>Kroyera carinata</i>									1							
<i>Deflexilodes subnudus</i>																
<i>Monoculodes</i>	(damaged)															
<i>Periculodes longimanus</i>				1												
<i>Pontocrates altamarinus</i>			1													
<i>Pontocrates arenarius</i>		2						1								
<i>Synchelidium haplocheles</i>																
<i>Synchelidium maculatum</i>								1								
<i>Westwoodilla caecula</i>																
Oediceratidae	(juvenile/damaged)															
<i>Gammaropsis lobata</i>																
<i>Gammaropsis maculata</i>																
<i>Gammaropsis</i>																
<i>Megamphopus cornutus</i>																
<i>Photis longicaudata</i>																
<i>Harpinia antennaria</i>					10		1									
<i>Harpinia laevis</i>																
<i>Metaphoxus fultoni</i>						1			1						2	
Phoxocephalidae			1													
Stenothoidae	(juvenile)															
<i>Hippomedon denticulatus</i>																
<i>Lepidepecreum longicornis</i>				1			1									1
<i>Tryphosella nanoides</i>																
<i>Menigrates obtusifrons</i>																
<i>Tmetonyx similis</i>																
<i>Urothoe elegans</i>			13	1	8	13	8	18	8		3					
<i>Urothoe marina</i>								2	2	2	6					
<i>Urothoe</i>	(damaged)								2							
<i>Bodotria arenosa</i>									1							
<i>Bodotria scarpioideis</i>																

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Iphinoe serrata</i>																
<i>Iphinoe trispinosa</i>																
<i>Vaunthompsonia cristata</i>				10		7		1								
<i>Diastylis lucifera</i>																
<i>Diastylodes biplicatus</i>																
<i>Diastylidae</i>	(damaged)															
<i>Eudorellopsis deformis</i>																
<i>Leuconidae</i>																
<i>Campylaspis legendrei</i>																
<i>Campylaspis</i>																
<i>Cumella (Cumella) pygmaea</i>																
<i>Nannastacus unguiculatus</i>																
<i>Cumacea</i>	(damaged)															
<i>Atelecyclus rotundatus</i>																
<i>Galathea intermedia</i>																
<i>Galathea</i>	(juvenile)														1	
<i>Ebalia tuberosa</i>																
<i>Ebalia tumefacta</i>																
<i>Eurynome aspera</i>																
<i>Eurynome</i>	(damaged)															
<i>Anapagurus hyndmanni</i>									1							
<i>Paguridae</i>					1		1									1
<i>Liocarcinus pusillus</i>																
<i>Liocarcinus</i>																
<i>Brachyura</i>	(juvenile)											1				
<i>Decapoda (zoea larvae)</i>																
<i>Pleocyemata</i>	(juvenile)															
<i>Anthura gracilis</i>																
<i>Astacilla dilatata</i>																
<i>Astacilla</i>																
<i>Conilera cylindracea</i>										1			1			
<i>Eurydice inermis</i>				1						2	1				1	
<i>Eurydice spinigera</i>																
<i>Eurydice</i>	(damaged)															
<i>Gnathia dentata</i>		1											1			
<i>Gnathia oxuraea</i>				4												
<i>Gnathia (pranzia larvae)</i>	(pranzia larvae)			1		2										
<i>Gnathia</i>																
<i>Janira maculosa</i>																
<i>Cymodoce truncata</i>																
<i>Nebalia abyssicola</i>																
<i>Nebalia bipes</i>																
<i>Nebalia kocotasi</i>																
<i>Nebalia</i>	(damaged)															
<i>Sarsinebalia typhlops</i>																
<i>Sarsinebalia urgorrii</i>								2								
<i>Nebaliacea</i>																
<i>Mysida</i>	(damaged)															
<i>Pseudoparatanais batei</i>						1										
<i>Pseudotanaeis forcipatus</i>				1			1									
<i>Tanaopsis graciloides</i>			1			1										
<i>Paratyphlotanaeis microcheles</i>																
<i>Tanaidacea</i>	(juvenile)															
<i>Ostracoda</i>				3		7	1	4			1					
<i>Achelia echinata</i>								3					1		1	

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Callipallene brevirostris</i>							3									
<i>Callipallene tiberi</i>				1												
<i>Anoplodactylus petiolatus</i>																
<i>Anoplodactylus</i>	(damaged)															
<i>Aetea anguina</i>										p				p	p	
<i>Aetea sica</i>									p					p	p	
<i>Schizomavella</i>									p							
<i>Bugulina flabellata</i>																
<i>Bugulina</i>																
<i>Callopora dumerilii</i>																
<i>Callopora lineata</i>																
<i>Callopora</i>								p								
<i>Cradoscrupocellaria</i>										p			p		p	
<i>Scrupocellaria scrupea</i>																
<i>Scrupocellaria scruposa</i>									p							p
<i>Scrupocellaria</i>							p	p								
<i>Cellaria</i>																
<i>Turbicellepora avicularis</i>					p											
<i>Cribrilaria innominata</i>																
<i>Puellina</i>																
<i>Electra pilosa</i>								p								
<i>Escharina</i>																
<i>Eucratea loricata</i>																
<i>Escharoides coccinea</i>							p									
<i>Escharoides mamillata</i>								p						p		
<i>Fiustra foliacea</i>																
<i>Securiflustra securifrons</i>		p									p		p			
<i>Fenestrulina malusii</i>							p									
<i>Microporella ciliata</i>										p						
<i>Microporella</i>				p												
<i>Escharella</i>																
<i>Scruparia</i>								p								
<i>Parasmittina trispinosa</i>																
<i>Chelostomatida</i>																
<i>Alcyonidium diaphanum</i>																
<i>Alcyonidium parasiticum</i>																
<i>Crisia denticulata</i>								p	p							
<i>Crisia eburnea</i>								p					p		p	
<i>Crisia ramosa</i>	?															
<i>Crisia</i>																
<i>Crisidia cornuta</i>								p								p
<i>Crisidae</i>																
<i>Disporella hispida</i>																
<i>Plagioecia patina</i>																
<i>Exidmonea atlantica</i>																
<i>Tubulipora liliacea</i>																
<i>Tubulipora</i>										p			p			
<i>Chaetognatha</i>						1				1						
<i>Ammodytes marinus</i>																
<i>Ammodytes tobianus</i>												4				
<i>Actinopterygii (larvae)</i>	(larvae)							1								
<i>Ascidella aspersa</i>																
<i>Malgula</i>																
<i>Polycarpa pomaria</i>																
<i>Styela coriacea</i>																

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
Styeliidae																
Asciadiacea (colonial)	(colonial)							p						p		
Asciadiacea	(inc. juvenile & damaged)								1							
Branchiostoma lanceolatum								7	1	4		1	7			
Anemonia viridis																
Actiniidae			1													
Edwardsia clapedii			13								1					
Edwardsia	(inc. damaged specimens)				3											
Edwardsiidae	(inc. damaged specimens)			1												
Caryophyllia (Caryophyllia) smithii																
Cerianthus lloydii																
Epizoanthus papillosus																
Anthoathecata																
Obelia longissima																
Obelia																
Halopteris cotharina																
Kirchenpaueria pinnata								p								
Nemertesia antennina																
Plumulariidae																
Sertularella																
Astropecten irregularis																
Antedon bifida																
Echinocyamus pusillus		4	3	5	1	1	7	3	9	7	8	6	2	2	25	27
Brissopsis lyrifera																
Echinocardium cordatum																
Echinocardium flavescens																
Echinoidea	(juvenile)															
Labidoplax buskii																
Leptosynapta bergensis																
Leptosynapta decaria																
Leptosynapta minuta		1														
Thyone fusus																
Amphipholis squamata		6		11		2			1					2	3	
Amphiura chiajei							1									
Amphiura filiformis					1											
Amphiura	(juvenile)															1
Amphiuridae	(juvenile/damaged)															
Ophiocomina nigra																
Ophiacten affinis																
Ophiura albida																
Ophiuroidea	(juvenile)		1			2						2	3			
Hiatella arctica			1			3	5	7		2					1	
Ensis	(damaged)															
Phoxas pellucidus									1	3						1
Glycymeris glycymeris		3										1				
Parvicardium pinnulatum		3				6		5			5	2	2	2	2	
Parvicardium scabrum				1												
Parvicardium	(juvenile/damaged)									1						
Gari costulata			4					3			1				2	
Gari fervensis																
Gari tellinella		37		4		5	1	15	19	20	10	68	50	28	78	6
Abra alba						1							1			
Abra nitida			7												2	
Abra prismatica							2				3					5
Abra	(juvenile/damaged)															

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Arcopagia crassa</i>		1							2	2			2	1	5	1
<i>Asbjornsenia pygmaea</i>		8	1		1	3	1	24	16	17	231	38	11	18	47	13
<i>Fabulina fabula</i>																
<i>Maorella donacina</i>			1	2												
<i>Goodallia triangularis</i>		42						28	6	9	27	20	109	7	9	24
<i>Limaria hians</i>	(juvenile)															
<i>Limatula subauriculata</i>		4							2	1	1		10	8	14	
<i>Lucinama borealis</i>			1	1	1					2						
<i>Myrtea spinifera</i>				1								1				
<i>Thyasira flexuosa</i>				1												
<i>Thyasira</i>	(damaged)															
<i>Mya truncata</i>																
<i>Crenella decussata</i>				1		1			1		1	2	5	1	6	17
<i>Madiolula phaseolina</i>				9		8	4	26	3	1			11		5	1
<i>Musculus discors</i>																
<i>Musculus subpictus</i>								3								
<i>Mytiloidea</i>	(juvenile)															
<i>Nucula nitidosa</i>																
<i>Anomia ephippium</i>				2				1							1	
<i>Anomiidae</i>	(juvenile)															
<i>Pecten maximus</i>	(juvenile)															
<i>Arctica islandica</i>	(juvenile/immature)				2						2					4
<i>Chamelea striatula</i>					26		5				10	2				
<i>Clausinella fasciata</i>		4	15			7		9	8	2	7	1	14		22	
<i>Dosinia exoleta</i>		1						1				1		5	1	
<i>Dosinia lupinus</i>				2	13	2	17				9					26
<i>Dosinia</i>	(juvenile)	13	12					32	15	4	17	5	6	1	22	
<i>Gouldia minima</i>		1		4	1	7	8	5	1	1	10	2	6	1	12	4
<i>Politapes rhomboides</i>						2			2		2	2		1	2	
<i>Ruditapes decussatus</i>																
<i>Tapes</i>	(juvenile)								1		1					
<i>Timoclea ovata</i>		6	3	10	1	41	13	23	16	9	51	7	32	9	64	42
<i>Venerupis corrugata</i>				1												
<i>Venus casina</i>		1							3	1					2	6
<i>Veneridae</i>	(juvenile)	1								1			9	1	8	
<i>Hemilepton nitidum</i>																
<i>Kurtiella bidentata</i>				1	1	6							1			
<i>Tellimya ferruginosa</i>																
<i>Lyonsia norwegica</i>				1												
<i>Spisula elliptica</i>		5							2	3	1	7	4	4	7	1
<i>Spisula</i>	(juvenile)															
<i>Mactridae</i>	(juvenile)															
<i>Cochlodesma praetenua</i>				2			2				2	1				
<i>Thracia phaseolina</i>			2													
<i>Thracia villosiuscula</i>		3		1	1		1				5	1	1	1	6	
<i>Thracia</i>	(juvenile/damaged)					1		1		1						
<i>Bivalvia</i>	(juvenile/damaged & siphons)	p	1									1	1			
<i>Chaetoderma nitidulum</i>																
<i>Turritella communis</i>			16		25		4									
<i>Cephalaspidea</i>	(damaged)							1								
<i>Cylichna cylindracea</i>			2													
<i>Retusa truncatula</i>																
<i>Caecum glabrum</i>																
<i>Caecum imperforatum</i>																
<i>Calyptrea chinensis</i>																

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Eulima bilineata</i>															1	
<i>Melanella alba</i>																
<i>Vitreolina philippi</i>																
<i>Euspira catena</i>																
<i>Euspira montagui</i>		1													1	
<i>Euspira nitida</i>									1					1		
<i>Euspira</i>	(juvenile)															
<i>Alvania beanii</i>																
<i>Alvania punctura</i>													2			
<i>Alvania</i>	(damaged)			1		1		2						1	1	
<i>Onoba semicostata</i>																
<i>Rissoa parva</i>								1	1							1
<i>Skeneopsis planorbis</i>				1												
<i>Comarmonda gracilis</i>						1										
<i>Mangelia costata</i>																
<i>Mangelia</i>	(damaged)					1										
<i>Tritia incrassata</i>																
<i>Raphitoma linearis</i>																
<i>Doto</i>																
<i>Trapania pallida</i>				1												
<i>Polyceridae</i>																
<i>Tricolia pullus</i>									1							1
<i>Gibbula tumida</i>				2		1	1		3							1
<i>Gibbula</i>	(juvenile/damaged)		1									1				
<i>Jujubinus montagui</i>				1		2	1		1							
<i>Trachidae</i>	(juvenile)					3										
<i>Testudinaria testudinalis</i>				1												
<i>Patella pellucida</i>						1					1					
<i>Brachystomia scalaris</i>																
<i>Brachystomia</i>																
<i>Chrysallida</i>	(damaged)							3			2					
<i>Odostomia plicata</i>													1		1	
<i>Odostomia unidentata</i>																
<i>Odostomia</i>																
<i>Ondina divisa</i>															1	
<i>Ondina</i>	(damaged)															
<i>Gastropoda</i>	(damaged)															
<i>Heterobranchia</i>	(Volvulella acuminata ?)															
<i>Acanthochitona crinita</i>																
<i>Stenosemus albus</i>				1												
<i>Tonicella marmorea</i>																
<i>Leptochiton asellus</i>		1		4		3	1		1		1		1			1
<i>Leptochiton cancellatus</i>			1			2	3	3	2				4	1	2	
<i>Antalis entalis</i>																
<i>Scaphopoda</i>	(juvenile)															
<i>Nematoda</i>		57		10		1		65	22	159	4	58	112	38	97	2
<i>Cerebratulus</i>						2										
<i>Nemertea</i>		5	1	1		4	1	8	1	12	4		3		7	
<i>Phoronis</i>						2										
<i>Platyhelminthes</i>							2									
<i>Leucosolenia</i>																
<i>Sycon ciliatum</i>						1										
<i>Cliona celata</i>				p			p									p
<i>Clionidae</i>						p										
<i>Porifera</i>					p			p	p	p		p	p			

Taxa	Notes	S6-G09	S7-G01	S7-G02	S7-G03	S7-G04	S7-G05	S7-G06	S7-G07	S7-G08	S7-G09	S8-G01	S8-G02	S8-G03	S8-G04	S8-G05
<i>Golfingia (Golfingia) elongata</i>																
<i>Golfingia</i>				14			12									1
<i>Nephasoma (Nephasoma) minutum</i>		2						1		2		3	1			3
<i>Thysanocardia procera</i>																
<i>Golfingiidae</i>	(juvenile)					4			1							
<i>Phascolian (Phascolian) strombus strombus</i>			1				1				1					
<i>Lagotia viridis</i>							p									
<i>Derbesia</i>																
<i>Ceramium</i>																
<i>Pterothamnion plumula</i>																
<i>Polysiphonia</i>				p			p	p		p	p	p				p
<i>Plumaria plumosa</i>																
<i>Corallina officinalis</i>																
<i>Corallinaceae</i>																
<i>Phyllophora</i>					p											
<i>Palmaria palmata</i>																
<i>Placanium cartilagineum</i>						p		p			p					p
<i>Rhodophyta</i>	(encrusting)															
<i>Rhodophyta</i>	(filamentous)															
<i>Rhodophyta</i>	(foliose)									p						
<i>Rhodophyta</i>			p													
<i>Phaeophyceae</i>							p									
<i>Phaeophyceae</i>	(filamentous)															
<i>Phaeophyceae</i>	(foliose)								p							
Maerl indet	(<i>Phymatolithon calcareum</i>)	p	p	p		p		p	p	p	p	p				p
Plastic		N	N	N	N	N	N	Y	Y	N	Y	Y	Y	Y	Y	N

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Grania</i>				3		25		15							1	4
<i>Tubificoides benedii</i>																
<i>Oligochaeta</i>	(damaged)															
<i>Pareurythoe borealis</i>								1						3	1	
<i>Protodorvillea kefersteini</i>				2	15	1									1	
<i>Schistomeringos neglecta</i>					1			1								
<i>Eunice vittata</i>																
<i>Eunice</i>	(damaged)															
<i>Lysidice unicornis</i>					1											
<i>Abbyssiniae hibernica</i>																
<i>Lumbrineris anlara/cingulata</i> agg.	L. anlara/cingulata agg.															
<i>Lumbrineris</i>																
<i>Scoletoma magnidentata</i>																
<i>Lumbrineridae</i>		1														
<i>Notocirrus scoticus</i>																
<i>Aponuphis bilineata</i>			1			4		6	5	1	1	2			4	4
<i>Nothria conchylega</i>									1							
<i>Aphrodita aculeata</i>																
<i>Glycera alba</i>																
<i>Glycera celtica</i>		1														
<i>Glycera fallax</i>																1
<i>Glycera lapidum</i>			5	4	9	10		5	1					3	6	19
<i>Glycera oxycephala</i>																
<i>Glycera</i>	(juvenile)											1				

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Glyceridae</i>	(juvenile)															
<i>Glycinde nordmanni</i>			2											1		1
<i>Goniada maculata</i>																
<i>Goniadella gracilis</i>				3	1									2	2	
<i>Goniadidae</i>	(damaged)															
<i>Gyptis propinqua</i>																
<i>Gyptis</i>	(damaged)															
<i>Hesiospina aurantiaca</i>						29										
<i>Oxydromus</i>																
<i>Podarkeopsis capensis</i>																
<i>Psamathe fusca</i>				7	3			5						6		3
<i>Lacydonia miranda</i>								3						1		
<i>Aglaophamus agilis</i>		1	1										1			
<i>Nephtys assimilis</i>																
<i>Nephtys caeca</i>																
<i>Nephtys cirrosa</i>							3		3	5	1					
<i>Nephtys hombergii</i>																
<i>Nephtys kersivalensis</i>					1								7			
<i>Nephtys</i>	(juvenile/damaged)										1	1				
<i>Nephtyidae</i>	(juvenile)						1									
<i>Eunereis longissima</i>															1	
<i>Platynereis dumerilii</i>						1										
<i>Pholoe baltica</i>												1				
<i>Pholoe inornata</i>						3										
<i>Eteone longa/flava</i> agg.	E. longa/flava agg.															
<i>Eulalia aurea</i>																
<i>Eulalia bilineata</i>																
<i>Eulalia expusilla</i>																
<i>Eulalia mustela</i>				2	1											
<i>Eulalia tripunctata</i>	?															
<i>Eulalia viridis</i>		1														
<i>Eulalia</i>														1		
<i>Eumida bahusiensis</i>																
<i>Eumida sanguinea</i>																
<i>Eumida</i>	(juvenile)															
<i>Hesionura elongata</i>																
<i>Mystides caeca</i>																
<i>Nereiphylla rubiginosa</i>						3								3		
<i>Notophyllum foliosum</i>																
<i>Paranaitis kosteriensis</i>																
<i>Phyllodoce groenlandica</i>																
<i>Phyllodoce lineata</i>																
<i>Pseudomystides limbata</i>				3				1				1		1		
<i>Phyllodocidae</i>	(juvenile)				1											
<i>Gattyana cirrhosa</i>																
<i>Harmathoe impar</i>																
<i>Harmathoe</i>						1										
<i>Lepidonotus clava</i>																
<i>Lepidonotus squamatus</i>																
<i>Malmgrenia ljunghmani</i>																
<i>Malmgrenia marphysae</i>					1											
<i>Malmgrenia mcintoshi</i>						10		1				3		1		1
<i>Malmgrenia</i>	(juvenile/damaged)															
<i>Polynoidae</i>								3								
<i>Fimbriosthenelais zetlandica</i>																

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Pisone remota</i>				13	11			10						8		24
<i>Sigalion</i>	(juvenile)															
<i>Sthenelais limicola</i>																
<i>Ephesiella abyssorum</i>																
<i>Sphaerodoridium minutum</i>																
<i>Sphaerodarum gracilis</i>						1		2								
<i>Amblyosyllis</i>	(damaged)															
<i>Brevicirrosyllis weismanni</i>																
<i>Diaplosyllis cirrosa</i>								1						1		1
<i>Eurysyllis tuberculata</i>						1		1						1		
<i>Exogone naidina</i>																
<i>Exogone verugera</i>							1									
<i>Odontosyllis fulgurans</i>																
<i>Odontosyllis gibba</i>						3										
<i>Odontosyllis</i>	(juvenile/damaged)															
<i>Palposyllis prosostoma</i>																
<i>Parexogone hebes</i>												4				
<i>Palposyllis propeweismanni</i>	?															
<i>Pionosyllis</i>																1
<i>Sphaerosyllis bulbosa</i>								7					2	7		1
<i>Sphaerosyllis hystrix</i>					1											
<i>Sphaerosyllis taylari</i>		1														
<i>Sphaerosyllis</i>								3								
<i>Streptodonta pterochaeta</i>				1									1			
<i>Syllis armillarlis</i>	(agg. group)															
<i>Syllis licheri</i>				1										2		
<i>Syllis parapari</i>				15	11			8	1					6	9	10
<i>Syllis pontxioi</i>			2	7	9			5						4	2	32
<i>Syllis vittata</i>	?															
<i>Syllis</i>					2										1	3
<i>Trypanosyllis (Trypanosyllis) coeliaca</i>					1	3		6							1	15
<i>Eusyllinae</i>																
<i>Syllidae</i>	(juvenile/damaged)			1												
<i>Galathowenia oculata</i>																
<i>Myriachele danielsseni</i>						1										
<i>Owenia fusiformis</i>							2		1	1	1		1			
<i>Oweniidae</i>	(juvenile/damaged)															
<i>Branchiomma bombyx</i>																
<i>Dialychone dunerificta</i>				2				1							3	
<i>Dialychone</i>	(juvenile/damaged)					1										
<i>Euchone rubracincta</i>																
<i>Euchone</i>						1										
<i>Jasmineira caudata</i>												1				1
<i>Jasmineira</i>																
<i>Parasabella cambrensis</i>																
<i>Parasabella</i>	(damaged)															
<i>Pseudopotamilla reniformis</i>																
<i>Sabellidae</i>	(juvenile/damaged)	1		3										1		
<i>Apomatus similis</i>				1												
<i>Hydroides norvegica</i>				1	16			5						2	3	1
<i>Serpula vermicularis</i>				3												
<i>Spirobranchus lamarcki</i>																
<i>Spirobranchus triquetter</i>				1	3			1							3	
<i>Spirobranchus</i>	(damaged)															
<i>Serpulidae</i>	(juvenile/damaged)													1		

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Spirorbinae</i>																
<i>Apistobranchnus tenuis</i>																
<i>Poecilochaetus serpens</i>				1												
<i>Aonides oxycephala</i>																
<i>Aonides paucibranchiata</i>			2	5	2		2	1	2	2		1	3			3
<i>Aurospio banyulensis</i>				1												
<i>Dipolydora caulleryi</i>				1												
<i>Dipolydora coeca</i>					1											
<i>Dipolydora</i>	(damaged)															
<i>Laonice bahusiensis</i>						6								1	1	
<i>Malacoceros girardi</i>																
<i>Polydora</i>																
<i>Prionospio cirrifera</i>								1								
<i>Prionospio fallax</i>																
<i>Prionospio</i>																
<i>Pseudopolydora pulchra</i>																
<i>Scolelepis korsuni</i>																
<i>Scolelepis</i>	(damaged)											1				
<i>Spio martinensis</i>			1													
<i>Spio symphyta</i>				1								1				
<i>Spio</i>	(juvenile/damaged)															
<i>Spiophanes bombyx</i>							2				1					
<i>Spiophanes kroyeri</i>																
<i>Macrochaeta</i>						1										
<i>Ampharete lindstroemi</i>																
<i>Melinna elisabethae</i>																
<i>Ampharetidae</i>	(juvenile/damaged)															
<i>Aphelochaeta</i>																
<i>Caulerella alata</i>			3													
<i>Caulerella</i>						1										
<i>Chaetozone christiei</i>																
<i>Chaetozone setosa</i>																
<i>Chaetozone zetlandica</i>																
<i>Chaetozone</i>																
<i>Cirratulus cirratus</i>																
<i>Cirriformia</i>																
<i>Kirkegaardia</i>																
<i>Cirratulidae</i>	(juvenile)															
<i>Diplocirrus glaucus</i>																
<i>Diplocirrus stopbowitzi</i>																
<i>Diplocirrus</i>	(damaged)															
<i>Flabelligera affinis</i>																
<i>Amphictene auricoma</i>																
<i>Petta pusilla</i>									1						1	
<i>Eupolyornia nesidensis</i>						1										
<i>Lanice conchilega</i>																
<i>Nicolea venustula</i>																
<i>Parathelepus collaris</i>																
<i>Pista bansei</i>		3	9			3					1	4	1			
<i>Pista cristata</i>							6		3							
<i>Pista mediterranea</i>				1						2						
<i>Pista</i>	(juvenile)															
<i>Polycirrus</i>				10	4							1				2
<i>Terebellidae</i>	(juvenile/damaged)			2												
<i>Terebellides stroemii</i>																

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Trichobranchus glacialis</i>																
<i>Capitella</i>	(juvenile)															
<i>Mediomastus fragilis</i>		12	1													
<i>Notomastus</i>				2				3								1
<i>Magelona alleni</i>																
<i>Magelona filiformis</i>																
<i>Magelona</i>	(damaged)															
<i>Clymenura</i>						1										
<i>Euclymene droebachiensis</i>																
<i>Euclymene lombricoides</i>	?															
<i>Euclymene oerstedii</i>																
<i>Euclymene</i>								5								
<i>Heteroclymene robusta</i>																
<i>Leiochone leiopygos</i>																
<i>Leiochone</i>					1											
<i>Notoproctus</i>								3								
<i>Praxillella affinis</i>																
<i>Praxillella praetermissa</i>																
<i>Rhodine gracillior</i>																
<i>Maldanidae</i>	(damaged)															
<i>Armania polyopthalma</i>		1	1													
<i>Ophelia celtica</i>																
<i>Polyopthalmus pictus</i>																
<i>Opheliidae</i>	(damaged)															
<i>Orbinia</i>	(damaged)															
<i>Scoloplos armiger</i>													1			
<i>Aricidea (Acmira) cerrutii</i>													1			
<i>Cirrophorus branchiatus</i>																
<i>Paradoneis livana</i>																
<i>Paradoneis lyra</i>																
<i>Paraonides neapolitana</i>																
<i>Paraonidae</i>	(damaged)															
<i>Polygordius</i>			2	31	16			12						33	4	13
<i>Sabellaria spinulosa</i>																
<i>Scalibregma celticum</i>						1										
<i>Scalibregma inflatum</i>																
<i>Collembola</i>																
<i>Balanus balanus</i>								1								
<i>Balanus crenatus</i>																
<i>Verruca stroemia</i>								4								
<i>Cirripecta</i>	(damaged)															
<i>Copepoda</i>		17	7		10	13	6	10	2	6	3		2	2	6	10
<i>Ampelisca brevicornis</i>		1		1			2		1							
<i>Ampelisca diadema</i>																
<i>Ampelisca spinipes</i>														1		
<i>Ampelisca tenuicornis</i>																
<i>Ampelisca typica</i>			3													
<i>Ampelisca</i>	(juvenile/damaged)															
<i>Amphilocheus manudens</i>																
<i>Aoridae</i>																
<i>Argissa hamatipes</i>																
<i>Nototropis swammerdami</i>						1										
<i>Nototropis vedlomensis</i>				1												1
<i>Nototropis falcatus</i>																
<i>Atyidae</i>	(damaged)															

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Bathyporeia elegans</i>																
<i>Bathyporeia pelagica</i>																
<i>Bathyporeia</i>	(damaged)	1														
<i>Apherusa bispinosa</i>																
<i>Pariambus typicus</i>																
<i>Parvipalpus capillaceus</i>																
<i>Phtisica marina</i>																
<i>Pseudoprotella phasma</i>																
Caprellidae	(juvenile)															
<i>Cheirocratus assimilis</i>																
<i>Cheirocratus sundevallii</i>																
<i>Cheirocratus</i>																
<i>Leptocheirus hirsutimanus</i>			1												1	
<i>Leptocheirus pectinatus</i>																
<i>Leptocheirus</i>	(damaged)															
<i>Cressa dubia</i>																
<i>Dexamine spinosa</i>																
<i>Eusirus longipes</i>																
Gammaridae																
<i>Centraloecetes striatus</i>																
<i>Leucothoe incisa</i>																
<i>Liljeborgia kinahani</i>																
<i>Lysianassa ceratina</i>																
<i>Lysianassa plumosa</i>						1										
<i>Socarnes erythrophthalmus</i>																1
Lysianassidae	(juvenile/damaged)															
<i>Animaceradocus semiserratus</i>								3	1					20	4	
<i>Maerella tenuimana</i>																
<i>Othomaera othonis</i>						10								2		
<i>Abludomelita obtusata</i>																
Melitidae	(inc. damaged/juv. specimens)													2		
<i>Deflexilodes subnudus</i>																
<i>Kroyera carinata</i>				1												
<i>Deflexilodes subnudus</i>																
<i>Monoculodes</i>	(damaged)					1										
<i>Perioculodes longimanus</i>										1						
<i>Pontocrates altamarinus</i>																
<i>Pontocrates arenarius</i>																
<i>Synchelidium haplocheles</i>																
<i>Synchelidium maculatum</i>					1											
<i>Westwoodilla caecula</i>																
Oedicerotidae	(juvenile/damaged)															
<i>Gammaropsis lobata</i>																
<i>Gammaropsis maculata</i>																
<i>Gammaropsis</i>																
<i>Megamphopus cornutus</i>				1												
<i>Photis longicaudata</i>																
<i>Harpinia antennaria</i>																
<i>Harpinia laevis</i>																
<i>Metaphoxus fultoni</i>						2										
Phoxocephalidae																
Stenothoidae	(juvenile)															
<i>Hippomedon denticulatus</i>																
<i>Lepidepecreum longicornis</i>							1		1			1	1			
<i>Tryphosella nanoides</i>			6													

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Menigrates obtusifrons</i>							1		1							
<i>Tmetonyx similis</i>																
<i>Urothoe elegans</i>		6	1													
<i>Urothoe marina</i>																
<i>Urothoe</i>	(damaged)															
<i>Bodotria arenosa</i>							2					1				
<i>Bodotria scorpoides</i>																
<i>Iphinoe serrata</i>																
<i>Iphinoe trispinosa</i>									1	2						
<i>Vaunthompsonia cristata</i>																
<i>Diastylis lucifera</i>																
<i>Diastylodes biplicatus</i>																
<i>Diastylidae</i>	(damaged)															
<i>Eudorellapsis deformis</i>																
<i>Leuconidae</i>											1					
<i>Campylaspis legendrei</i>																
<i>Campylaspis</i>															1	
<i>Cumella (Cumella) pygmaea</i>																
<i>Nannastacus unguiculatus</i>														1		
<i>Cumacea</i>	(damaged)															
<i>Atelecyclus rotundatus</i>																
<i>Galathea intermedia</i>																
<i>Galathea</i>	(juvenile)															
<i>Ebalia tuberosa</i>																
<i>Ebalia tumefacta</i>																
<i>Eurynome aspera</i>																
<i>Eurynome</i>	(damaged)															
<i>Anapagurus hyndmanni</i>																
<i>Paguridae</i>																
<i>Liocarcinus pusillus</i>																
<i>Liocarcinus</i>																
<i>Brachyura</i>	(juvenile)															
<i>Decapoda (zoea larvae)</i>	(zoea larvae)						1									
<i>Pleocyemata</i>	(juvenile)															
<i>Anthura gracilis</i>																
<i>Astacilla dilatata</i>																
<i>Astacilla</i>																
<i>Conilera cylindracea</i>						1		2								
<i>Eurydice inermis</i>			1	1				3						2	2	
<i>Eurydice spinigera</i>													1			
<i>Eurydice</i>	(damaged)							2								
<i>Gnathia dentata</i>						2		3						2	1	
<i>Gnathia oxuraea</i>																
<i>Gnathia (pranzia larvae)</i>	(pranzia larvae)					2		1		1				4		
<i>Gnathia</i>						6									1	
<i>Janira maculosa</i>																
<i>Cymodoce truncata</i>																
<i>Nebalia abyssicola</i>													1			
<i>Nebalia bipes</i>										1						
<i>Nebalia kocatasi</i>						1										
<i>Nebalia</i>	(damaged)															
<i>Sarsinebalia typhlops</i>												1				
<i>Sarsinebalia urgorrii</i>																
<i>Nebalia</i>																
<i>Nebalia</i>																
<i>Mysida</i>	(damaged)							1								

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Pseudoparatanaïs batei</i>																
<i>Pseudotanaïs forcipatus</i>																
<i>Tanaopsis graciloides</i>																
<i>Paratyphitanais microcheles</i>																
Tanaidacea	(juvenile)			1												
Ostracoda			1													
<i>Achelia echinata</i>																
<i>Callipallene brevirostris</i>																
<i>Callipallene tiberi</i>																
<i>Anoplodactylus petiolatus</i>																
<i>Anoplodactylus</i>	(damaged)															
<i>Aetea anguina</i>																
<i>Aetea sica</i>															p	p
<i>Schizomavella</i>																p
<i>Bugulina flabellata</i>																
<i>Bugulina</i>																
<i>Callopora dumerilii</i>																
<i>Callopora lineata</i>																
<i>Callopora</i>																
<i>Cradoscrupocellaria</i>					p										p	
<i>Scrupocellaria scrupea</i>																
<i>Scrupocellaria scruposa</i>														p	p	p
<i>Scrupocellaria</i>				p		p		p						p		
<i>Cellaria</i>														p		
<i>Turbicellepora avicularis</i>																
<i>Cribrilaria innominata</i>																
<i>Puellina</i>														p		
<i>Electra pilosa</i>																
<i>Escharina</i>																
<i>Eucratea loricata</i>																
<i>Escharoides coccinea</i>								p								
<i>Escharoides mamillata</i>																
<i>Flustra foliacea</i>						p										
<i>Securiflustra securifrons</i>						p									p	p
<i>Fenestulina malusii</i>																
<i>Microporella ciliata</i>				p												
<i>Microporella</i>																
<i>Escharella</i>																
<i>Scruparia</i>																
<i>Parasmittina trispinosa</i>																
<i>Cheilostomatida</i>															p	
<i>Alcyonidium diaphanum</i>																
<i>Alcyonidium parasiticum</i>																
<i>Crisia denticulata</i>									p							
<i>Crisia eburnea</i>																
<i>Crisia ramosa</i>	?															
<i>Crisia</i>																
<i>Crisidia cornuta</i>																
<i>Crisidae</i>						p										
<i>Disporella hispida</i>																
<i>Plagioecia patina</i>														p		
<i>Exidmonea atlantica</i>				p												
<i>Tubulipora liliacea</i>															p	
<i>Tubulipora</i>																
<i>Choetognatha</i>														1		

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Ammodytes marinus</i>											2					
<i>Ammodytes tobianus</i>									1	2						
<i>Actinapterygii</i> (larvae)	(larvae)															
<i>Asciella aspersa</i>																
<i>Molgula</i>			3			1		1								
<i>Polycarpa pumaria</i>																
<i>Styela coriacea</i>								1								
Styelidae																
Asciaceae (colonial)	(colonial)															
Asciaceae	(inc. juvenile & damaged)												1			
<i>Branchiostoma lanceolatum</i>				3										1	10	1
<i>Anemonia viridis</i>																
Actiniidae																
<i>Edwardsia clapedii</i>										2	1		4			
<i>Edwardsia</i>	(inc. damaged specimens)															
Edwardsiidae	(inc. damaged specimens)								1							2
<i>Caryophyllia</i> (<i>Caryophyllia</i>) <i>smithii</i>																
<i>Cerianthus lloydii</i>			1													
<i>Epizoanthus papillosus</i>																
<i>Anthoathecata</i>																
<i>Obelia longissima</i>																
<i>Obelia</i>																
<i>Halopteris catharina</i>																
<i>Kirchenpaueria pinnata</i>																
<i>Nemertesia antennina</i>																
Plumulariidae																
Sertularella																
<i>Astropecten irregularis</i>																
<i>Antedon bifida</i>																
<i>Echinocyamus pusillus</i>		1	12	3		6	8		47	15	5	5	9	3	3	2
<i>Brissopsis lyrifera</i>																
<i>Echinocardium cordatum</i>																
<i>Echinocardium flavescens</i>																
<i>Echinoidea</i>	(juvenile)															
<i>Labidoplax buskii</i>																
<i>Leptosynapta bergensis</i>																
<i>Leptosynapta decaria</i>									2							
<i>Leptosynapta minuta</i>																
<i>Thyone fusus</i>			1			2										
<i>Amphipholis squamata</i>			4		1	6									3	
<i>Amphiura chiajei</i>																
<i>Amphiura filiformis</i>																
<i>Amphiura</i>	(juvenile)	1						7								
Amphiuridae	(juvenile/damaged)				1											
<i>Ophiocomina nigra</i>																
<i>Ophiacten affinis</i>																
<i>Ophiura albida</i>																
Ophiuroidea	(juvenile)			1	1			1						8		2
<i>Hiatella arctica</i>		2														
<i>Ensis</i>	(damaged)															
<i>Phaxos pellucidus</i>			1	1	1				1							
<i>Glycymeris glycymeris</i>			1			1								6	2	
<i>Parvicardium pinnulatum</i>		3	5	3		10	1	8						4		
<i>Parvicardium scabrum</i>																
<i>Parvicardium</i>	(juvenile/damaged)															

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Gari costulata</i>											1					
<i>Gari fervensis</i>							1									
<i>Gari tellinella</i>		2	19	22	25	27	4	31	3	3		1		15	10	29
<i>Abra alba</i>				1												
<i>Abra nitida</i>				1							1		2			
<i>Abra prismatica</i>							2									
<i>Abra</i>	(juvenile/damaged)														1	
<i>Arcopagia crassa</i>				2		6								1		
<i>Asbjornsenia pygmaea</i>		7	79	12	62	7	9	5	59	41	21	56	51	1	10	9
<i>Fabulina fabula</i>																
<i>Moerella donacina</i>																
<i>Goodallia triangularis</i>		1	34	15	4	195	8	51	72	26	8	29	23	107	37	7
<i>Limaria hians</i>	(juvenile)															
<i>Limatula subauriculata</i>			2	5	5	8		11	2		1			5	1	
<i>Lucinoma borealis</i>								3								
<i>Myrtea spinifera</i>						1										
<i>Thyasira flexuosa</i>																
<i>Thyasira</i>	(damaged)															
<i>Mya truncata</i>																
<i>Crenella decussata</i>			5			3	15	2	41	25	9	12	4	1		1
<i>Madiolula phaseolina</i>		4		2	1	12		4	3				1	2	2	
<i>Musculus discors</i>						1										
<i>Musculus subpictus</i>																
<i>Mytiloidea</i>	(juvenile)							1				2				
<i>Nucula nitidosa</i>																
<i>Anomia ephippium</i>																
<i>Anomiidae</i>	(juvenile)															
<i>Pecten maximus</i>	(juvenile)															
<i>Arcica islandica</i>	(juvenile/immature)	1	2			2	4		13	4						
<i>Chamelea striatula</i>			1				4			1		4	1	2		
<i>Clausinella fasciata</i>			14	2		23						1	2	14	7	
<i>Dosinia exoleta</i>				5				1					2		1	3
<i>Dosinia lupinus</i>			1	1	1	11	14		8	5	1					
<i>Dosinia</i>	(juvenile)			11	7			2			8	2		7	2	4
<i>Gouldia minima</i>		2	4	3		13		2						5	3	
<i>Pollitapes rhomboides</i>			1	2		2							2	1	2	
<i>Ruditapes decussatus</i>																
<i>Tapes</i>	(juvenile)															1
<i>Timoclea ovata</i>		4	37	8	7	30	5	10	22	15	8	18	8	6	9	3
<i>Venerupis corrugata</i>																
<i>Venus casina</i>			1					11		1				1		
<i>Veneridae</i>	(juvenile)				3						1				2	
<i>Hemilepton nitidum</i>																
<i>Kurtiella bidentata</i>					4	5										
<i>Tellimya ferruginosa</i>																
<i>Lyansia norwegica</i>																
<i>Spisula elliptica</i>		1	2	3	3	2		1				1			2	4
<i>Spisula</i>	(juvenile)										3	1				
<i>Mactridae</i>	(juvenile)															
<i>Cochlodesma praetenuae</i>		1					25		16	38	2	5	7			
<i>Thracia phaseolina</i>													3			
<i>Thracia villosiuscula</i>			7	5	1	12		12			8	17	5		1	1
<i>Thracia</i>	(juvenile/damaged)															
<i>Bivalvia</i>	(juvenile/damaged & siphons)															
<i>Choetoderma nitidulum</i>																

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Turritella communis</i>									1							
<i>Cephalaspidea</i>	(damaged)															
<i>Cylichna cylindracea</i>																
<i>Retusa truncatula</i>																
<i>Caecum glabrum</i>						1										
<i>Caecum imperforatum</i>																
<i>Calyptrea chinensis</i>																
<i>Eulima bilineata</i>			1													
<i>Melanella alba</i>														1		
<i>Vitreolina philippi</i>																
<i>Euspira catena</i>																
<i>Euspira montagui</i>																
<i>Euspira nitida</i>						1			2	1					1	
<i>Euspira</i>	(juvenile)															
<i>Alvania beanii</i>						11		2								
<i>Alvania punctura</i>																
<i>Alvania</i>	(damaged)															
<i>Onoba semicostata</i>				1				1								
<i>Rissoa parva</i>																
<i>Skeneopsis planorbis</i>																
<i>Comarmondia gracilis</i>																
<i>Mangelia costata</i>																
<i>Mangelia</i>	(damaged)															
<i>Tritia incrassata</i>																
<i>Raphitoma linearis</i>																
<i>Doto</i>																
<i>Trapania pallida</i>																
<i>Polyceridae</i>																
<i>Tricalia pullus</i>				1												
<i>Gibbula tumida</i>			2			17		3								
<i>Gibbula</i>	(juvenile/damaged)													1		
<i>Jujubinus montagui</i>														2		
<i>Trachidae</i>	(juvenile)															
<i>Testudinalia testudinalis</i>																
<i>Patella pellucida</i>																
<i>Brachystomia scalaris</i>								2								
<i>Brachystomia</i>				1												
<i>Chrysalida</i>	(damaged)															
<i>Odostomia plicata</i>																
<i>Odostomia unidentata</i>																1
<i>Odostomia</i>																
<i>Ondina divisa</i>																
<i>Ondina</i>	(damaged)															
<i>Gastropoda</i>	(damaged)															
<i>Heterobranchia</i>	(Volvulella acuminata ?)															
<i>Acanthochitona crinita</i>																
<i>Stenosemus albus</i>																
<i>Tonicella marmorea</i>																
<i>Leptochiton asellus</i>				1		25	1							4		
<i>Leptochiton cancellatus</i>			3			61		7	2					6	2	
<i>Antalis entalis</i>													1			
<i>Scaphopoda</i>	(juvenile)															
<i>Nematoda</i>		2	6	32	52	42	1	132	2					19	33	69
<i>Cerebratulus</i>																
<i>Nemertea</i>		2		4	2		1	2		3		1		1	2	1

Taxa	Notes	S8-G06	S8-G07	S8-G08	S8-G09	S9-G01	S9-G02	S9-G03	S9-G04	S9-G05	S9-G06	S9-G07	S9-G08	S9-G09	S9-G10	S10-G01
<i>Phoronis</i>																
<i>Platyhelminthes</i>								1								
<i>Leucosolenia</i>																
<i>Sycon ciliatum</i>																
<i>Cliona celata</i>								p								
<i>Clionidae</i>																
<i>Porifera</i>				p												
<i>Golfingia (Golfingia) elongata</i>			3		1											
<i>Golfingia</i>								5						1		
<i>Nephasoma (Nephasoma) minutum</i>				4												
<i>Thysanocardia procera</i>																
<i>Golfingiidae</i>	(juvenile)					6										1
<i>Phascolion (Phascolion) strombus strombus</i>																
<i>Lagotia viridis</i>													p			
<i>Derbesia</i>																
<i>Ceramium</i>																
<i>Pterothamnion plumula</i>																
<i>Polysiphonia</i>						p								p		
<i>Plumaria plumosa</i>						p										
<i>Corallina officinalis</i>																
<i>Corallinaceae</i>																
<i>Phyllophora</i>																
<i>Palmaria palmata</i>																
<i>Plocamium cartilagineum</i>						p		p							p	p
<i>Rhodophyta</i>	(encrusting)							p								
<i>Rhodophyta</i>	(filamentous)	p														p
<i>Rhodophyta</i>	(foliose)															p
<i>Rhodophyta</i>				p												
<i>Phaeophyceae</i>																
<i>Phaeophyceae</i>	(filamentous)															
<i>Phaeophyceae</i>	(foliose)															p
Maerl indet	(<i>Phymatolithon calcareum</i>)	p	p	p	p	p		p						p	p	p
Plastic		N	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	Y

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Grania</i>		5	3	7		2	9		1	6				1		
<i>Tubificoides benedii</i>																
<i>Oligochaeta</i>	(damaged)															
<i>Pareurythoe borealis</i>												1				
<i>Protodorvillea kefersteini</i>		4	1	3		1	2	1		2						
<i>Schistomerigos neglecta</i>				1						1						
<i>Eunice vittata</i>																
<i>Eunice</i>	(damaged)															
<i>Lysidice unicornis</i>		1					1					1			1	
<i>Abyssoninoe hibernica</i>																1
<i>Lumbrineris aniana/cingulata</i> agg.	<i>L. aniana/cingulata</i> agg.										4					
<i>Lumbrineris</i>										2		1		8		
<i>Scoletoma magnidentata</i>																
<i>Lumbrineridae</i>											2					3
<i>Notacirrus scoticus</i>															1	
<i>Aponuphis bilineata</i>		1									1		3		3	3
<i>Nothria conchylega</i>																

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Aphrodita aculeata</i>																
<i>Glycera alba</i>																1
<i>Glycera celtica</i>																
<i>Glycera fallax</i>										1						2
<i>Glycera lapidum</i>		7	10	7	1	6	8	4	3	10		3				4
<i>Glycera oxycephala</i>																
<i>Glycera</i>	(juvenile)									3	1					
Glyceridae	(juvenile)															
<i>Glycinde nordmanni</i>			3			3	4	1			1					1
<i>Goniada maculata</i>				1								2			1	
<i>Goniadella gracilis</i>				2				1	1							
Goniadidae	(damaged)															
<i>Gyptis propinqua</i>										1						
Gyptis	(damaged)															
<i>Hesiospina aurantiaca</i>																
<i>Oxydromus</i>																
<i>Padarkeopsis capensis</i>																
<i>Psamathe fusca</i>						1				1		1				
<i>Lacydonia miranda</i>																1
<i>Aglaophamus agilis</i>				1												
<i>Nephtys assimilis</i>																
<i>Nephtys caeca</i>																
<i>Nephtys cirrosa</i>					2	1				2					1	
<i>Nephtys hambergii</i>											2	3	1	2		
<i>Nephtys kersivalensis</i>			1				2						2	2		1
<i>Nephtys</i>	(juvenile/damaged)										1		1			
Nephtyidae	(juvenile)															
<i>Eunereis longissima</i>																1
<i>Platyneris dumerilii</i>																
<i>Pholoe baltica</i>														1		1
<i>Pholoe inornata</i>											3	1		3		1
<i>Eteone longa/flava</i> agg.	<i>E. longa/flava</i> agg.	2	1								1					
<i>Eulalia aurea</i>																
<i>Eulalia bilineata</i>																
<i>Eulalia expusilla</i>																
<i>Eulalia mustela</i>						2		1								
<i>Eulalia tripunctata</i>	?															
<i>Eulalia viridis</i>																
<i>Eulalia</i>																
<i>Eumida bahusensis</i>															1	
<i>Eumida sanguinea</i>				1						1						
<i>Eumida</i>	(juvenile)															
<i>Hesionura elongata</i>			1													
<i>Mystides caeca</i>																
<i>Nereiphylla rubiginosa</i>																
<i>Notophyllum fallosum</i>																
<i>Paranaitis kosteriensis</i>																
<i>Phyllodoce groenlandica</i>																
<i>Phyllodoce lineata</i>																
<i>Pseudomystides limbata</i>					1	2	3					1				
Phyllodoceidae	(juvenile)							1								
<i>Gattyana cirrhosa</i>																1
<i>Harmathoe impar</i>																
<i>Harmathoe</i>													2			
<i>Lepidonotus clava</i>																

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Lepidonotus squamatus</i>																
<i>Malmgrenia ljungmani</i>									1				1	5		
<i>Malmgrenia marphysae</i>																
<i>Malmgrenia mcintoshii</i>																
<i>Malmgrenia</i>	(juvenile/damaged)						1				2	1			3	
<i>Polynoidae</i>																
<i>Fimbriosthenelais zetlandica</i>																
<i>Pisione remota</i>		9	6				8	6								
<i>Sigalion</i>	(juvenile)															
<i>Sthenelais limicola</i>											1					
<i>Ephesiella abyssorum</i>																
<i>Sphaerodoridium minutum</i>																
<i>Sphaerodorium gracilis</i>																
<i>Amblyosyllis</i>	(damaged)							1								
<i>Brevicirrosyllis weismanni</i>																
<i>Diaplosyllis cirrosa</i>																
<i>Eurysyllis tuberculata</i>												1				
<i>Exogone naidina</i>											2			1		
<i>Exogone verugera</i>											3	1				1
<i>Odontosyllis fulgurans</i>						1						1				
<i>Odontosyllis gibba</i>																
<i>Odontosyllis</i>	(juvenile/damaged)															
<i>Palposyllis prosostoma</i>							4									
<i>Parexogone hebes</i>							1									1
<i>Palposyllis propeweismanni</i>	?							2								
<i>Pionosyllis</i>																
<i>Sphaerosyllis bulbosa</i>							1					2				
<i>Sphaerosyllis hystrix</i>																
<i>Sphaerosyllis taylari</i>											1					
<i>Sphaerosyllis</i>																
<i>Streptodonta pterochaeta</i>																
<i>Syllis armillaris</i>	(agg. group)															
<i>Syllis licheri</i>																
<i>Syllis parapari</i>			5	8		2	5	4		1					1	
<i>Syllis pantixoi</i>		1	7	11		2	6	1	4	2						
<i>Syllis vittata</i>	?															
<i>Syllis</i>				2						2			2			
<i>Trypanosyllis (Trypanosyllis) coellaca</i>		1														
<i>Eusyllinae</i>																
<i>Syllidae</i>	(juvenile/damaged)				1											
<i>Galathowenia oculata</i>											10	2	14		2	
<i>Myriochele danielsseni</i>												2			7	
<i>Owenia fusiformis</i>					1						5		3	5	2	
<i>Oweniidae</i>	(juvenile/damaged)													23		5
<i>Branchiomma bombyx</i>																
<i>Dialychone dunerificta</i>																
<i>Dialychone</i>	(juvenile/damaged)															
<i>Euchone rubrocincta</i>											1					1
<i>Euchone</i>																
<i>Jasmineira caudata</i>																
<i>Jasmineira</i>																
<i>Parasabella cambrensis</i>																
<i>Parasabella</i>	(damaged)															
<i>Pseudopotamilla reniformis</i>																
<i>Sabellidae</i>	(juvenile/damaged)									1		2				1

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Apomatus similis</i>																
<i>Hydroides norvegica</i>							1				1					1
<i>Serpula vermicularis</i>																
<i>Spirobranchus lamarcki</i>																
<i>Spirobranchus triqueter</i>																
<i>Spirobranchus</i>	(damaged)															
<i>Serpulidae</i>	(juvenile/damaged)													1		
<i>Spirorbinae</i>																
<i>Apistobranchnus tenuis</i>																
<i>Poecilochaetus serpens</i>																
<i>Aonides oxycephala</i>																
<i>Aonides paucibranchiata</i>			2		2		1	2	3						1	
<i>Aurospio banyulensis</i>											1	3	2	2		
<i>Dipolydora caulleryi</i>								1								
<i>Dipolydora coeca</i>											1			1		1
<i>Dipolydora</i>	(damaged)													3		
<i>Laanice bahusiensis</i>											1					
<i>Malacoceros girardi</i>										2						
<i>Polydora</i>																
<i>Prionospio cirrifera</i>																
<i>Prionospio fallax</i>																1
<i>Prionospio</i>																
<i>Pseudopolydora pulchra</i>																
<i>Scolelepis korsuni</i>		1														
<i>Scolelepis</i>	(damaged)															
<i>Spio martinensis</i>																
<i>Spio symphyta</i>					1								1			1
<i>Spio</i>	(juvenile/damaged)															
<i>Spiophanes bombyx</i>											2		1		1	
<i>Spiophanes kroyeri</i>											1					1
<i>Macrochaeta</i>																
<i>Ampharete lindstroemi</i>											1					
<i>Melinna elisabethae</i>															1	
<i>Ampharetidae</i>	(juvenile/damaged)						1				3			1	2	2
<i>Aphelochaeta</i>														1		2
<i>Cauleriella alata</i>																
<i>Cauleriella</i>																
<i>Chaetozone christiei</i>																
<i>Chaetozone setosa</i>																
<i>Chaetozone zetlandica</i>											5	7	5	1	1	
<i>Chaetozone</i>											2			1		1
<i>Cirratulus cirratus</i>				1												
<i>Cirriformia</i>										1						
<i>Kirkegaardia</i>											1					1
<i>Cirratulidae</i>	(juvenile)											1				
<i>Diplocirrus glaucus</i>													1	1	1	5
<i>Diplocirrus stopbowitzi</i>																
<i>Diplocirrus</i>	(damaged)															
<i>Flabelligera affinis</i>																
<i>Amphictene auricoma</i>													1	1		
<i>Petta pusilla</i>																
<i>Eupolymnia nesidensis</i>																
<i>Lanice conchilega</i>																
<i>Nicolea venustula</i>																
<i>Parathelepus collaris</i>										1						

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Pista bansei</i>										1	1			1		
<i>Pista cristata</i>																
<i>Pista mediterranea</i>																
<i>Pista</i>	(juvenile)															
<i>Polycirrus</i>		1	1			1	1	3		1	4	2		1	2	
Terebellidae	(juvenile/damaged)										4		1			
<i>Terebellides stroemii</i>												1	1	1		1
<i>Trichobranthus glacialis</i>																
<i>Capitella</i>	(juvenile)															1
<i>Mediomastus fragilis</i>						2				46			1	5	1	1
<i>Notomastus</i>		1													2	1
<i>Magelona alleni</i>											3			13	1	1
<i>Magelona filiformis</i>																
<i>Magelona</i>	(damaged)															
<i>Clymenura</i>																
<i>Euclymene droebachiensis</i>																
<i>Euclymene lombricoides</i>	?												2			
<i>Euclymene oerstedii</i>														4		
<i>Euclymene</i>														2	2	
<i>Heteroclymene robusta</i>																
<i>Leiochone leiopygos</i>																
<i>Leiochone</i>													1			
<i>Notoproctus</i>																
<i>Praxillella affinis</i>											2			1		
<i>Praxillella praetermissa</i>																
<i>Rhodine graciliar</i>																
Maldanidae	(damaged)															1
<i>Armandia polyophthalma</i>														1		
<i>Ophelia celtica</i>																
<i>Polyophthalmus pictus</i>																
Opheliidae	(damaged)															
<i>Orbinia</i>	(damaged)															
<i>Scoloplos armiger</i>																
<i>Aricidea (Acmira) cerrutii</i>													1	1	1	1
<i>Cirrophorus branchiatus</i>												1				1
<i>Paradoneis ilvana</i>														1		
<i>Paradoneis lyra</i>													1			
<i>Paraonides neapolitana</i>																
Paraonidae	(damaged)															
<i>Polygordius</i>		10	4	37	1	17	4	26	10							
<i>Sabellaria spinulosa</i>																
<i>Scalibregma celticum</i>											1					
<i>Scalibregma inflatum</i>																
Collembola																
<i>Balanus balanus</i>												1				
<i>Balanus crenatus</i>																
<i>Verruca stroemia</i>																
<i>Cirripedia</i>	(damaged)											17				
Copepoda		8	12	5	1	10	1	1	1	17	1	2	1	3	3	7
<i>Ampelisca brevicornis</i>											2	1				
<i>Ampelisca diadema</i>															9	
<i>Ampelisca spinipes</i>												1			1	
<i>Ampelisca tenuicornis</i>											6		2	4		1
<i>Ampelisca typica</i>							1				2	5				3
<i>Ampelisca</i>	(juvenile/damaged)															

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Amphilochus manudens</i>																
Aoridae																
<i>Argissa hamatipes</i>																
<i>Nototropis swammerdami</i>																
<i>Nototropis vedlomensis</i>										1			1			
<i>Nototropis falcatus</i>						4						3				
Atylidae	(damaged)												1			
<i>Bathyporeia elegans</i>					1											
<i>Bathyporeia pelagica</i>																
<i>Bathyporeia</i>	(damaged)															
<i>Apherusa bispinosa</i>																
<i>Pariambus typicus</i>														2		
<i>Parvipalpus capillaceus</i>																
<i>Phtisica marina</i>													2			
<i>Pseudoprotella phasma</i>																
Caprellidae	(juvenile)															
<i>Cheirocratus assimilis</i>															2	
<i>Cheirocratus sundevallii</i>																
<i>Cheirocratus</i>																
<i>Leptocheirus hirsutimanus</i>																
<i>Leptocheirus pectinatus</i>											1	2				1
<i>Leptocheirus</i>	(damaged)												1			
<i>Cressa dubia</i>														1		
<i>Dexamine spinosa</i>																
<i>Eusirus longipes</i>																
Gammaridae																
<i>Centraloecetes striatus</i>																
<i>Leucothoe incisa</i>																
<i>Liljeborgia kinahani</i>																
<i>Lysianassa ceratina</i>										1						
<i>Lysianassa plumosa</i>													1			
<i>Socarnes erythrophthalmus</i>												1		1		
<i>Lysianassidae</i>	(juvenile/damaged)										1					
<i>Animaceradocus semiserratus</i>																
<i>Maerella tenuimana</i>																
<i>Othomaera othonis</i>										1						
<i>Abludomelita obtusata</i>																
Melitidae	(inc. damaged/juv. specimens)															
<i>Deflexilodes subnudus</i>																
<i>Kroyera carinata</i>																
<i>Deflexilodes subnudus</i>																
<i>Monaculodes</i>	(damaged)															
<i>Periculodes longimanus</i>				1												
<i>Pontocrates altamarinus</i>																
<i>Pontocrates arenarius</i>								1	2							
<i>Synchelidium haplocheles</i>										1						
<i>Synchelidium maculatum</i>												2		1		1
<i>Westwoodilla caecula</i>																
Oedicerotidae	(juvenile/damaged)															
<i>Gammaropsis lobata</i>																
<i>Gammaropsis maculata</i>																
<i>Gammaropsis</i>													1			
<i>Megamphopus cornutus</i>										1	1					
<i>Photis longicaudata</i>															1	
<i>Harpinia antennaria</i>														3		

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Harpinia laevis</i>																
<i>Metaphoxus fultoni</i>																
Phoxocephalidae																
Stenothoidae	(juvenile)															
<i>Hippomedon denticulatus</i>																
<i>Lepidepecreum longicornis</i>											1					
<i>Tryphosella nanoides</i>																
<i>Menigrates obtusifrons</i>																
<i>Tmetonyx similis</i>								1								
<i>Urothoe elegans</i>		1				1				7		4			1	
<i>Urothoe marina</i>			1							4						
<i>Urothoe</i>	(damaged)															
<i>Bodotria arenosa</i>																
<i>Bodotria scarpioides</i>							1									
<i>Iphinoe serrata</i>														1		
<i>Iphinoe trispinosa</i>																
<i>Vaunthompsonia cristata</i>																
<i>Diastylis lucifera</i>																1
<i>Diastylodes biplicatus</i>														1		1
Diastylidae	(damaged)															
<i>Eudorellopsis deformis</i>														1		
Leuconidae																
<i>Campylaspis legendrei</i>																
<i>Campylaspis</i>																
<i>Cumella (Cumella) pygmaea</i>																
<i>Nannastacus unguiculatus</i>																
Cumacea	(damaged)															
<i>Atelecyclus rotundatus</i>																
<i>Galathea intermedia</i>																
<i>Galathea</i>	(juvenile)															
<i>Ebalia tuberosa</i>																
<i>Ebalia tumefacta</i>																
<i>Eurynome aspera</i>																
<i>Eurynome</i>	(damaged)															
<i>Anapagurus hyndmanni</i>																
Paguridae																1
<i>Liocarcinus pusillus</i>																
<i>Liocarcinus</i>																
<i>Brachyura</i>	(juvenile)															
Decapoda (zoea larvae)	(zoea larvae)											1				
<i>Pleocyemata</i>	(juvenile)															
<i>Anthura gracilis</i>																
<i>Astacilla dilatata</i>																
<i>Astacilla</i>																
<i>Conilera cylindracea</i>																
<i>Eurydice inermis</i>																
<i>Eurydice spinigera</i>																
<i>Eurydice</i>	(damaged)															
<i>Gnathia dentata</i>													1			
<i>Gnathia oxyuraea</i>																
<i>Gnathia</i> (pranzia larvae)	(pranzia larvae)															
<i>Gnathia</i>																
<i>Janira maculosa</i>																
<i>Cymodoce truncata</i>																
<i>Nebalia abyssicola</i>		1														

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Nebalia bipes</i>																
<i>Nebalia kocatasi</i>																
<i>Nebalia</i>	(damaged)															
<i>Sarsinebalia typhlops</i>																
<i>Sarsinebalia urgorrii</i>																
<i>Nebalaceae</i>										4						
<i>Mysida</i>	(damaged)															
<i>Pseudoparatanaïs batei</i>																
<i>Pseudotanaïs forcipatus</i>		1														
<i>Tanaopsis graciloides</i>																2
<i>Paratyphtanais microcheles</i>											1					
<i>Tanaidacea</i>	(juvenile)															
<i>Ostracoda</i>				1						1		3				
<i>Achelia echinata</i>																
<i>Callipallene brevirostris</i>																
<i>Callipallene tiberi</i>																
<i>Anoplodactylus petiolatus</i>											1					1
<i>Anoplodactylus</i>	(damaged)															
<i>Aetea anguina</i>										p	p					
<i>Aetea sica</i>										p						
<i>Schizomavella</i>																
<i>Bugulina flabellata</i>																
<i>Bugulina</i>																
<i>Callopora dumerilli</i>																
<i>Callopora lineata</i>										p						
<i>Callopora</i>																
<i>Cradoscrupocellaria</i>					p			p		p				p		
<i>Scrupocellaria scrupaea</i>						p	p	p								
<i>Scrupocellaria scrupasa</i>								p		p	p					
<i>Scrupocellaria</i>																
<i>Cellaria</i>														p		
<i>Turbicellepara avicularis</i>																
<i>Cribrilaria innominata</i>																
<i>Puellina</i>																
<i>Electra pilosa</i>				p		p		p		p						
<i>Escharina</i>																
<i>Eucratea loricata</i>														p		p
<i>Escharoides coccinea</i>										p						
<i>Escharoides mamillata</i>										p						
<i>Flustra foliacea</i>				p		p	p			p						
<i>Securiflustra securifrons</i>										p						
<i>Fenestrulina malusii</i>																
<i>Microporella ciliata</i>																
<i>Microporella</i>																
<i>Escharella</i>																
<i>Scruparia</i>																
<i>Parasmittina trispinosa</i>																
<i>Cheilostomatida</i>																
<i>Alcyonidium diaphanum</i>												p				
<i>Alcyonidium parasiticum</i>																
<i>Crisia denticulata</i>				p	p			p		p						
<i>Crisia eburnea</i>					p											
<i>Crisia ramosa</i>	?															
<i>Crisia</i>																
<i>Crisidia cornuta</i>				p				p		p						

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Crisiidae</i>																
<i>Disporella hispida</i>																
<i>Plagioecia patina</i>			p													
<i>Egidmonea atlantica</i>																
<i>Tubulipora liliacea</i>																
<i>Tubulipora</i>										p						
<i>Chaetognatha</i>										1						
<i>Ammodytes marinus</i>																
<i>Ammodytes tobianus</i>																
<i>Actinopterygii</i> (larvae)	(larvae)															
<i>Asciella aspersa</i>														1		
<i>Malgula</i>		2														
<i>Polycarpa pomaria</i>																
<i>Styela coriacea</i>																
<i>Styelidae</i>																
<i>Asciaceae</i> (colonial)	(colonial)															
<i>Asciaceae</i>	(inc. juvenile & damaged)		1		1	p	1				2	1				4
<i>Branchiostoma lanceolatum</i>		1														
<i>Anemonia viridis</i>																
<i>Actiniidae</i>																
<i>Edwardsia claparedii</i>			1			2					30	1	6	40	18	24
<i>Edwardsia</i>	(inc. damaged specimens)															
<i>Edwardsiidae</i>	(inc. damaged specimens)			1								1				
<i>Caryophyllia (Caryophyllia) smithii</i>													1			
<i>Cerianthus lloydii</i>											1					
<i>Epizoanthus papillosus</i>											p					
<i>Anthoathecata</i>															p	p
<i>Obelia longissima</i>																
<i>Obelia</i>																
<i>Halopteris catharina</i>											p					
<i>Kirchenpaueria pinnata</i>																
<i>Nemertesia antennina</i>													p		p	
<i>Plumulariidae</i>																
<i>Sertularella</i>																
<i>Astropecten irregularis</i>																
<i>Antedon bifida</i>																
<i>Echinocyamus pusillus</i>		7		2	5	4	5	5	2	3		7				
<i>Brissopsis lyrifera</i>					1											
<i>Echinocardium cordatum</i>						1										
<i>Echinocardium flavescens</i>																
<i>Echinoidea</i>	(juvenile)															
<i>Labidoplax buskii</i>														2	1	
<i>Leptosynapta bergensis</i>																
<i>Leptosynapta decaria</i>																
<i>Leptosynapta minuta</i>													1			
<i>Thyone fusus</i>													1			1
<i>Amphipholis squamata</i>						1										
<i>Amphiura chiajei</i>																1
<i>Amphiura filiformis</i>											6		7	64		2
<i>Amphiura</i>	(juvenile)															
<i>Amphiuridae</i>	(juvenile/damaged)														5	
<i>Ophiacmina nigra</i>																
<i>Ophiacten affinis</i>															1	
<i>Ophiura albida</i>																
<i>Ophiuroidea</i>	(juvenile)									2	5	3	1	7	1	2

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Hiatella arctica</i>											2	2			4	1
<i>Ensis</i>	(damaged)															
<i>Phaxas pellucidus</i>									1					3	1	
<i>Glycymeris glycymeris</i>																
<i>Parvicardium pinnulatum</i>						1		1		1						1
<i>Parvicardium scabrum</i>																
<i>Parvicardium</i>	(juvenile/damaged)													1		
<i>Gari costulata</i>																
<i>Gari fervensis</i>										1				1		
<i>Gari tellinella</i>			3	6		5	6	2								
<i>Abra alba</i>															1	
<i>Abra nitida</i>										1	1					
<i>Abra prismatica</i>												1				
<i>Abra</i>	(juvenile/damaged)															
<i>Arcopagia crassa</i>				1	1											
<i>Asbjornsenia pygmaea</i>		10	27	2	37	11	29	12	19	2						
<i>Fabulina fabula</i>																
<i>Maorella donacina</i>						1										
<i>Goodallia triangularis</i>		28	6	40	21	49	13	22	64	4						
<i>Limaria hians</i>	(juvenile)															
<i>Limatula subauriculata</i>			3		2	1	1									
<i>Lucinoma borealis</i>														2		1
<i>Myrtea spinifera</i>														3		
<i>Thyasira flexuosa</i>																
<i>Thyasira</i>	(damaged)															1
<i>Mya truncata</i>																
<i>Crenella decussata</i>				1	8	1			1					1		
<i>Modiolula phaseolina</i>		1				2		4	1	2	2			1	1	
<i>Musculus discors</i>																
<i>Musculus subpictus</i>																
<i>Mytiloidea</i>	(juvenile)															
<i>Nucula nitidosa</i>																
<i>Anomia ephippium</i>											3					
<i>Anomiidae</i>	(juvenile)															
<i>Pecten maximus</i>	(juvenile)															
<i>Arctica islandica</i>	(juvenile/immature)															
<i>Chamelea striatula</i>									3		1					
<i>Clausinella fasciata</i>			2		1	4	2	4	1	2		1				
<i>Dosinia exoleta</i>			8				1		1							1
<i>Dosinia lupinus</i>		8		4		4			3		2		3	4	1	
<i>Dosinia</i>	(juvenile)		7		4	3	4	4	4	2		2		6		2
<i>Gouldia minima</i>		1				1										
<i>Pollitapes rhomboides</i>			1		1		1		1							
<i>Ruditapes decussatus</i>																
<i>Tapes</i>	(juvenile)															
<i>Timoclea ovata</i>		5	10	3	17	9	3	9	4	4	2	1		1		
<i>Venerupis corrugata</i>																
<i>Venus casina</i>		3		4					1				1			
<i>Veneridae</i>	(juvenile)				3				1	1						
<i>Hemilepton nitidum</i>																
<i>Kurtiella bidentata</i>											1			6	1	1
<i>Tellimya ferruginosa</i>																
<i>Lyansia norwegica</i>																
<i>Spisula elliptica</i>		5	4	2	3	1	2	3	4							
<i>Spisula</i>	(juvenile)															

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Macluridae</i>	(juvenile)															
<i>Cochlodesma praetenu</i>					4											
<i>Thracia phaseolina</i>							5									
<i>Thracia villosiuscula</i>		1	6		33				4							
<i>Thracia</i>	(juvenile/damaged)													1		
<i>Bivalvia</i>	(juvenile/damaged & siphons)											1				
<i>Chaetoderma nitidulum</i>											1		1	1	1	
<i>Turritella communis</i>														1	3	
<i>Cephalaspidea</i>	(damaged)															
<i>Cylichna cylindracea</i>														4		
<i>Retusa truncatula</i>																
<i>Caecum glabrum</i>																
<i>Caecum imperforatum</i>									1							
<i>Calyptrea chinensis</i>																
<i>Eulima bilineata</i>																
<i>Melanella alba</i>																
<i>Vitreolina philippi</i>																
<i>Euspira catena</i>		1														
<i>Euspira montagui</i>																
<i>Euspira nitida</i>		1	2						1							
<i>Euspira</i>	(juvenile)															
<i>Alvania beanii</i>																
<i>Alvania punctura</i>																
<i>Alvania</i>	(damaged)										1					
<i>Onoba semicostata</i>																
<i>Rissoa parva</i>																
<i>Skeneopsis planorbis</i>																
<i>Comarmondia gracilis</i>																
<i>Mangella castata</i>																
<i>Mangella</i>	(damaged)															
<i>Tritia incrassata</i>																
<i>Raphitoma linearis</i>																
<i>Doto</i>															1	
<i>Trapania pallida</i>																
<i>Polyceridae</i>																1
<i>Tricalia pullus</i>																
<i>Gibbula tumida</i>																
<i>Gibbula</i>	(juvenile/damaged)															
<i>Jujubinus montagui</i>																
<i>Trochidae</i>	(juvenile)															
<i>Testudinaria testudinalis</i>																
<i>Patella pellucida</i>																
<i>Brachystomia scalaris</i>																
<i>Brachystomia</i>								1								
<i>Chrysalida</i>	(damaged)															
<i>Odostomia plicata</i>																
<i>Odostomia unidentata</i>																
<i>Odostomia</i>																
<i>Ondina divisa</i>																
<i>Ondina</i>	(damaged)															
<i>Gastropoda</i>	(damaged)											1		1		1
<i>Heterobranchia</i>	(<i>Volvulella acuminata</i> ?)															
<i>Acanthochitona crinita</i>												1				
<i>Stenosemus albus</i>																
<i>Tonicella marmorea</i>																

Taxa	Notes	S10-G02	S10-G03	S10-G04	S10-G05	S10-G06	S10-G07	S10-G08	S10-G09	S10-G10	S11-G01	S11-G02	S11-G03	S11-G04	S11-G05	S11-G06
<i>Leptochiton asellus</i>												1			1	
<i>Leptochiton cancellatus</i>										1						
<i>Antalis entalis</i>											3		2	3	1	1
<i>Scaphopoda</i>	(juvenile)															
Nematoda		2	18	16		6	37	14		10		2		1		3
<i>Cerebratulus</i>																1
Nemertea		1	1	4	2	2	3	2			2	1		4		
Phoronis					1					1	2	1		1	1	4
Platyhelminthes											1					
<i>Leucosolenia</i>																
<i>Sycon ciliatum</i>																
<i>Cliona celata</i>																
Clonaidae																
Porifera				p			p		p	p			p			
<i>Golfingia (Golfingia) elongata</i>																2
<i>Golfingia</i>											1					
<i>Nephasoma (Nephasoma) minutum</i>							2	1				2		1		
<i>Thysanocardia procera</i>																
Golfingiidae	(juvenile)	1								2					2	2
<i>Phascolian (Phascolian) strombus strombus</i>													1	1	1	1
<i>Lagotia viridis</i>																
<i>Derbesia</i>																
<i>Ceramium</i>																
<i>Pterothamnion plumula</i>																
<i>Polysiphonia</i>				p		p				p						
<i>Plumaria plumosa</i>																
<i>Corallina officinalis</i>									p							
Corallinaceae				p												
Phyllophora																
<i>Palmaria palmata</i>																
<i>Plocamium cartilagineum</i>				p		p				p			p		p	
Rhodophyta	(encrusting)															
Rhodophyta	(filamentous)															
Rhodophyta	(foliose)									p						
Rhodophyta							p									
Phaeophyceae				p												
Phaeophyceae	(filamentous)															
Phaeophyceae	(foliose)									p						
Maeri indet	(<i>Phymatolithon calcareum</i>)	p	p	p			p			p						
Plastic		Y	Y	N	Y	N	Y	Y	Y	N	N	N	N	Y	Y	N

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Grania</i>						5	4	14		20
<i>Tubificoides benedii</i>										
<i>Oligochaeta</i>	(damaged)									
<i>Pareurythoe borealis</i>					1	1	2			1
<i>Protodorvillea kefersteini</i>						1				1
<i>Schistomeringes neglecta</i>							1	1	1	
<i>Eunice vittata</i>										
<i>Eunice</i>	(damaged)						1			
<i>Lysidice unicornis</i>		1	1	1	3					3
<i>Abyssoninoe hibernica</i>					1		1			
<i>Lumbrineris aniara/cingulata</i> agg.	L. aniara/cingulata agg.									
<i>Lumbrineris</i>				2						1
<i>Scoletoma magnidentata</i>		1								
<i>Lumbrineridae</i>					5					
<i>Notocirrus scoticus</i>										
<i>Aponuphis bilineata</i>			2	5	2		1	1		1
<i>Nothria conchylega</i>										
<i>Aphrodita aculeata</i>										
<i>Glycera alba</i>		1		1						
<i>Glycera celtica</i>										
<i>Glycera fallax</i>										
<i>Glycera lapidum</i>		2	3			7	6	17	3	8
<i>Glycera oxycephala</i>										
<i>Glycera</i>	(juvenile)									
<i>Glyceridae</i>	(juvenile)									
<i>Glycinde nordmanni</i>		1						4		
<i>Goniada maculata</i>		1	6	2	2			2		
<i>Goniadella gracilis</i>										
<i>Goniadidae</i>	(damaged)			1						
<i>Gyptis propinqua</i>				1			11	5		
<i>Gyptis</i>	(damaged)									
<i>Hesiospina aurantiaca</i>						6	11		1	7
<i>Oxydromus</i>										
<i>Padarkeopsis capensis</i>										
<i>Psamathe fusca</i>						5	3	3		3
<i>Lacydonia miranda</i>							3		1	
<i>Aglaophamus agilis</i>		2					1			
<i>Nephtys assimilis</i>										
<i>Nephtys caeca</i>										
<i>Nephtys cirrosa</i>										
<i>Nephtys hombergii</i>				1	6					
<i>Nephtys kersivalensis</i>										
<i>Nephtys</i>	(juvenile/damaged)			1	2					
<i>Nephtyidae</i>	(juvenile)									
<i>Eunereis longissima</i>										
<i>Platynereis dumerilii</i>										
<i>Pholoe baltica</i>		1	1				2			3
<i>Pholoe inornata</i>							6			
<i>Eteone longa/flava</i> agg.	E. longa/flava agg.			1						
<i>Eulalia aurea</i>										
<i>Eulalia bilineata</i>										
<i>Eulalia expusilla</i>										
<i>Eulalia mustela</i>								1		
<i>Eulalia tripunctata</i>	?									
<i>Eulalia viridis</i>									1	

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Eulalia</i>										
<i>Eumida bahusiensis</i>										
<i>Eumida sanguinea</i>							1			
<i>Eumida</i>	(juvenile)									
<i>Hesionura elongata</i>										1
<i>Mystides caeca</i>								1		
<i>Nereiphylla rubiginosa</i>							3		2	3
<i>Notophyllum falliosum</i>										
<i>Paranaitis kosteriensis</i>										
<i>Phylloceae groenlandica</i>				1						
<i>Phylloceae lineata</i>										
<i>Pseudomystides limbata</i>						1				3
<i>Phyllocidae</i>	(juvenile)									1
<i>Gattyana cirrhosa</i>										
<i>Harmothoe impar</i>										
<i>Harmothoe</i>							3			
<i>Lepidonotus clava</i>										
<i>Lepidonotus squamatus</i>										
<i>Malmgrenia ljungmani</i>				2						
<i>Malmgrenia marphysae</i>										
<i>Malmgrenia mcintoshi</i>			1			5	3		1	
<i>Malmgrenia</i>	(juvenile/damaged)				1		2		2	
<i>Polynoidae</i>										1
<i>Fimbriosthenelais zetlandica</i>		1								
<i>Pisione remota</i>						10	1	8	1	6
<i>Sigalion</i>	(juvenile)									
<i>Sthenelais limicola</i>										
<i>Ephesiella abyssorum</i>						9	3			
<i>Sphaerodoridium minutum</i>										
<i>Sphaerodorum gracilis</i>										
<i>Amblyosyllis</i>	(damaged)						1			1
<i>Brevicirrasyllis weismanni</i>										
<i>Diaplosyllis cirrosa</i>								1		
<i>Eurysyllis tuberculata</i>						2	1	1		1
<i>Exogone naidina</i>										
<i>Exogone verugera</i>										
<i>Odontosyllis fulgurans</i>								3		
<i>Odontosyllis gibba</i>						1	7			
<i>Odontosyllis</i>	(juvenile/damaged)									
<i>Palposyllis prosostoma</i>										
<i>Parexogone hebes</i>										
<i>Palposyllis propeweismanni</i>	?									
<i>Pionosyllis</i>										
<i>Sphaerosyllis bulbosa</i>				1		1	10	6		13
<i>Sphaerosyllis hystrix</i>								2		
<i>Sphaerosyllis taylari</i>										
<i>Sphaerosyllis</i>										
<i>Streptodonta pterochaeta</i>										
<i>Syllis armillaris</i>	(agg. group)									1
<i>Syllis licheri</i>								3		
<i>Syllis parapari</i>						2		19		3
<i>Syllis pontxoi</i>						9	1	3		1
<i>Syllis vittata</i>	?									
<i>Syllis</i>			1			16	1		2	8
<i>Trypanosyllis (Trypanosyllis) coellaca</i>		1		1		8	9			4

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Eusyllinae</i>									1	
<i>Syllidae</i>	(juvenile/damaged)									
<i>Galathowenia oculata</i>		10		10	15					
<i>Myriochele danielsseni</i>				1						
<i>Owenia fusiformis</i>		1	1	4	1					
<i>Oweniidae</i>	(juvenile/damaged)	5	4		6					
<i>Branchiomma bombyx</i>					1					
<i>Dialychone dunerificta</i>						5	2			
<i>Dialychone</i>	(juvenile/damaged)									
<i>Euchone rubrocincta</i>										
<i>Euchone</i>										
<i>Jasmineira caudata</i>								5		
<i>Jasmineira</i>										
<i>Parasabella cambrensis</i>										
<i>Parasabella</i>	(damaged)									
<i>Pseudopotamilla reniformis</i>							1			
<i>Sabellidae</i>	(juvenile/damaged)									
<i>Apomatus similis</i>										
<i>Hydroides norvegica</i>					1		3	2	1	
<i>Serpula vermicularis</i>							1			
<i>Spirobranchus lamarcki</i>						2	2			
<i>Spirobranchus triquetter</i>						2	45		3	1
<i>Spirobranchus</i>	(damaged)									
<i>Serpulidae</i>	(juvenile/damaged)			1						1
<i>Spirobrinae</i>										
<i>Apistobranchnus tenuis</i>										
<i>Paecllochaetus serpens</i>										
<i>Aonides oxycephala</i>										
<i>Aonides paucibranchiata</i>			1			2		3		
<i>Aurospio banyulensis</i>				3		1	1			6
<i>Dipolydora caulleryi</i>										
<i>Dipolydora caeca</i>										
<i>Dipolydora</i>	(damaged)									
<i>Laonice bahusensis</i>					2			3	1	2
<i>Malacoceros girardi</i>										
<i>Polydora</i>										
<i>Prionospio cirrifera</i>										
<i>Prionospio fallax</i>										
<i>Prionospio</i>			1							
<i>Pseudopolydora pulchra</i>					1					
<i>Scoelepis korsuni</i>										
<i>Scoelepis</i>	(damaged)									
<i>Spio martinensis</i>										
<i>Spio symphyta</i>				1			2			
<i>Spio</i>	(juvenile/damaged)	1								
<i>Spiophanes bombyx</i>										
<i>Spiophanes kroyeri</i>			1		2					
<i>Macrochaeta</i>							9	1		6
<i>Ampharete lindstroemi</i>										
<i>Melinna elisabethae</i>										
<i>Ampharetidae</i>	(juvenile/damaged)				3					
<i>Aphelochaeta</i>			1							
<i>Cauleriella alata</i>										
<i>Cauleriella</i>										
<i>Chaetozone christiei</i>										

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Chaetozone setosa</i>										
<i>Chaetozone zetlandica</i>			9	9	3					
<i>Chaetozone</i>				1						
<i>Cirratulus cirratus</i>										
<i>Cirriformia</i>										
<i>Kirkegaardia</i>					1					
<i>Cirratulidae</i>	(juvenile)									
<i>Diplocirrus glaucus</i>		1			2					
<i>Diplocirrus stopbowitzi</i>						1				
<i>Diplocirrus</i>	(damaged)									
<i>Flabelligera affinis</i>							2			
<i>Amphictene auricoma</i>				1						
<i>Petta pusilla</i>							1			1
<i>Eupolyornia nesidensis</i>										
<i>Lanice conchilega</i>										
<i>Nicolea venustula</i>										
<i>Parathelepus collaris</i>										
<i>Pista bansei</i>										
<i>Pista cristata</i>										
<i>Pista mediterranea</i>										
<i>Pista</i>	(juvenile)									
<i>Polycirrus</i>		2	3	2	5	1		8		
<i>Terebellidae</i>	(juvenile/damaged)			1						
<i>Terebellides stroemii</i>				1	1					
<i>Trichobranchus glacialis</i>										
<i>Capitella</i>	(juvenile)									
<i>Mediomastus fragilis</i>			2	6				2		1
<i>Notomastus</i>		1						2		1
<i>Magelana alleni</i>		2	1	2	1					
<i>Magelana filiformis</i>										
<i>Magelona</i>	(damaged)									
<i>Clymenura</i>										
<i>Euclymene droebachiensis</i>										
<i>Euclymene lombricoides</i>	?									
<i>Euclymene oerstedii</i>					3					
<i>Euclymene</i>		p	3	3						
<i>Heteroclymene robusta</i>				1						
<i>Leiochone leiopygos</i>								2		
<i>Leiochone</i>							1			
<i>Notoproctus</i>							1			
<i>Praxillella affinis</i>					1					
<i>Praxillella praetermissa</i>				1						
<i>Rhodine gracilior</i>										
<i>Maldanidae</i>	(damaged)									
<i>Armandia polyopthalma</i>			1							
<i>Ophelia celtica</i>										
<i>Polyopthalmus pictus</i>										
<i>Opheliidae</i>	(damaged)									
<i>Orbinia</i>	(damaged)									
<i>Scoloplos armiger</i>										
<i>Aricidea (Acmira) cerrutii</i>			2					2		
<i>Cirrophorus branchiatus</i>										
<i>Paradoneis livana</i>										2
<i>Paradoneis lyra</i>										
<i>Paraonides neapolitana</i>										

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Paraonidae</i>	(damaged)									1
<i>Polygordius</i>						33	13	33	9	35
<i>Sabellaria spinulosa</i>										
<i>Scalibregma celticum</i>										
<i>Scalibregma inflatum</i>										
<i>Collembola</i>										
<i>Balanus balanus</i>					1					
<i>Balanus crenatus</i>										
<i>Verruca stroemia</i>			1		6					
<i>Cirripedia</i>	(damaged)		1							
Copepoda			6	5	44				1	
<i>Ampelisca brevicornis</i>				1						
<i>Ampelisca diadema</i>										
<i>Ampelisca spinipes</i>		2								
<i>Ampelisca tenuicornis</i>		3								
<i>Ampelisca typica</i>			6	6						
<i>Ampelisca</i>	(juvenile/damaged)	1	4	1	1					
<i>Amphilochus manudens</i>							1			
Aoridae										
<i>Argissa hamatipes</i>										
<i>Nototropis swammerdamei</i>										
<i>Nototropis vedlomensis</i>					1			1		
<i>Nototropis falcatus</i>										
Atyllidae	(damaged)									
<i>Bathyporeia elegans</i>										
<i>Bathyporeia pelagica</i>										
<i>Bathyporeia</i>	(damaged)									
<i>Apherusa bispinosa</i>								3		
<i>Pariambus typicus</i>		2								
<i>Parvipalpus capillaceus</i>										
<i>Phtisica marina</i>										
<i>Pseudopratella phasma</i>										
Caprellidae	(juvenile)					3				
<i>Cheirocratus assimilis</i>										
<i>Cheirocratus sundevallii</i>										
<i>Cheirocratus</i>										
<i>Leptocheirus hirsutimanus</i>							1			
<i>Leptocheirus pectinatus</i>		1				1				
<i>Leptocheirus</i>	(damaged)									
<i>Cressa dubia</i>										
<i>Dexamine spinosa</i>										
<i>Eusirus longipes</i>										
Gammaridae										
<i>Centraloecetes striatus</i>										
<i>Leucothoe incisa</i>										
<i>Liljeborgia kinahani</i>										
<i>Lysianassa ceratina</i>						2			1	
<i>Lysianassa plumosa</i>					1		20			1
<i>Sacarnes erythrophthalmus</i>								24	15	4
<i>Lysianassidae</i>	(juvenile/damaged)		1							
<i>Animocera docus semiserratus</i>						6	3	11	6	7
<i>Maerella tenuimana</i>										
<i>Othomera othonis</i>					2	1	3			2
<i>Abludomelita obtusata</i>										3
<i>Melitidae</i>	(inc. damaged/juv. specimens)									1

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Deflexilodes subnudus</i>										
<i>Kroyera carinata</i>										
<i>Deflexilodes subnudus</i>										
<i>Monaculodes</i>	(damaged)									
<i>Perioculodes longimanus</i>										
<i>Pontocrates altamarinus</i>							1	1		
<i>Pontocrates arenarius</i>										
<i>Synchelidium haplocheles</i>										
<i>Synchelidium maculatum</i>										
<i>Westwoodilla caecula</i>					1					
<i>Oedicerotidae</i>	(juvenile/damaged)		1							
<i>Gammaropsis lobata</i>										
<i>Gammaropsis maculata</i>										
<i>Gammaropsis</i>										
<i>Megamphopus cornutus</i>			3			3	1		1	
<i>Photis longicaudata</i>										
<i>Harpinia antennaria</i>										
<i>Harpinia laevis</i>										
<i>Metaphoxus fultoni</i>							2	1		6
<i>Phoxocephalidae</i>										
<i>Stenothoidae</i>	(juvenile)									
<i>Hippomedon denticulatus</i>										
<i>Lepidopecreum longicornis</i>			1							
<i>Tryphosella nanoides</i>										
<i>Menigrates obtusifrons</i>										
<i>Tmetonyx similis</i>										
<i>Urothoe elegans</i>			1					1		
<i>Urothoe marina</i>								1		
<i>Urothoe</i>	(damaged)							1		
<i>Bodotria arenosa</i>										
<i>Bodotria scarpiooides</i>										
<i>Iphinae serrata</i>										
<i>Iphinae trispinosa</i>										
<i>Vaunthompsonia cristata</i>			1			1	6			1
<i>Diastylis lucifera</i>										
<i>Diastylis biplicatus</i>										
<i>Diastylidae</i>	(damaged)									
<i>Eudorellopsis deformis</i>										
<i>Leuconidae</i>										
<i>Campylaspis legendrei</i>										
<i>Campylaspis</i>										
<i>Cumella (Cumella) pygmaea</i>										
<i>Nannastacus unguiculatus</i>										
<i>Cumacea</i>	(damaged)									
<i>Atelecyclus rotundatus</i>										
<i>Galathea intermedia</i>					1					
<i>Galathea</i>	(juvenile)	1							1	1
<i>Ebalia tuberosa</i>					1		1			
<i>Ebalia tumefacta</i>										
<i>Eurynome aspera</i>					1					
<i>Eurynome</i>	(damaged)									
<i>Anapagurus hyndmanni</i>										
<i>Paguridae</i>		1								
<i>Liocarcinus pusillus</i>										
<i>Liocarcinus</i>										

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Brachyura</i>	(juvenile)									
Decapoda (zoea larvae)	(zoea larvae)									
<i>Pleocyemata</i>	(juvenile)									
<i>Anthura gracilis</i>										
<i>Astacilla dilatata</i>										
<i>Astacilla</i>									1	
<i>Conilera cylindracea</i>									1	1
<i>Eurydice inermis</i>						1	2	4		
<i>Eurydice spinigera</i>										
<i>Eurydice</i>	(damaged)									1
<i>Gnathia dentata</i>							1		1	
<i>Gnathia oxyuraea</i>										
<i>Gnathia</i> (pranzia larvae)	(pranzia larvae)					1	6	1		
<i>Gnathia</i>						1	2			
<i>Janira maculosa</i>						2	1			
<i>Cymodoce truncata</i>										
<i>Nebalia abyssicola</i>										
<i>Nebalia bipes</i>										
<i>Nebalia kocotasi</i>										
<i>Nebalia</i>	(damaged)									
<i>Sarsinebalia typhlops</i>										
<i>Sarsinebalia urgorrii</i>										
<i>Nebalaceae</i>										
<i>Mysida</i>	(damaged)									
<i>Pseudoparatanais batei</i>										
<i>Pseudotanaeis forcipatus</i>										
<i>Tanaopsis graciloides</i>										
<i>Paratyphlotanaeis microcheles</i>										
<i>Tanaidacea</i>	(juvenile)									
<i>Ostracoda</i>										
<i>Achelia echinata</i>						1	1			
<i>Callipallene brevisstris</i>					1				1	
<i>Callipallene tiberi</i>										
<i>Anoplodactylus petiolatus</i>										
<i>Anoplodactylus</i>	(damaged)									
<i>Aetea anguina</i>			p			p	p		p	
<i>Aetea sica</i>						p	p			p
<i>Schizomavella</i>										p
<i>Bugulina flabellata</i>						p				
<i>Bugulina</i>						p	p			
<i>Callopora dumerilii</i>										
<i>Callopora lineata</i>										
<i>Callopora</i>								p		
<i>Cradosrupacellaria</i>						p	p		p	
<i>Scrupocellaria scrupea</i>							p		p	p
<i>Scrupocellaria scruposa</i>						p	p	p		p
<i>Scrupocellaria</i>					p					
<i>Cellaria</i>					p				p	
<i>Turbicellepora avicularis</i>										
<i>Cribrilaria innominata</i>										
<i>Puellina</i>										
<i>Electra pilosa</i>							p			p
<i>Escharina</i>										
<i>Eucratea loricata</i>		p	p		p				p	
<i>Escharoides coccinea</i>										

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Escharoides mamillata</i>							p	p		
<i>Flustra foliacea</i>					p		p		p	p
<i>Securiflustra securifrons</i>					p	p	p		p	p
<i>Fenestruina malusii</i>										
<i>Microporella ciliata</i>										
<i>Microporella</i>										
<i>Escharella</i>										
<i>Scruparia</i>										
<i>Parasmittina trispinosa</i>										
<i>Cheilostomatida</i>										
<i>Alcyonidium diaphanum</i>										
<i>Alcyonidium parasiticum</i>					p					
<i>Crisia denticulata</i>					p		p	p	p	p
<i>Crisia eburnea</i>							p		p	
<i>Crisia ramosa</i>	?					p				
<i>Crisia</i>										
<i>Crisidia cornuta</i>					p		p	p	p	
<i>Crisiidae</i>										
<i>Disporella hispida</i>								p		
<i>Plagioecia patina</i>							p			
<i>Exidmonea atlantica</i>										
<i>Tubulipora liliacea</i>										
<i>Tubulipora</i>										
<i>Chaetagnatha</i>								3		
<i>Ammodytes marinus</i>										
<i>Ammodytes tobianus</i>										
<i>Actinopterygii</i> (larvae)	(larvae)									
<i>Asciella aspersa</i>										
<i>Malgula</i>										
<i>Polycarpa pomaria</i>				p						
<i>Styela coriacea</i>										
<i>Styelidae</i>					p					
<i>Asciadiacea</i> (colonial)	(colonial)									
<i>Asciadiacea</i>	(inc. juvenile & damaged)	11	2	8	2	p		1		1
<i>Branchiostoma lanceolatum</i>						1	1	1		4
<i>Anemonia viridis</i>										
<i>Actiniidae</i>										
<i>Edwardsia claparedii</i>		38	15	14	20					
<i>Edwardsia</i>	(inc. damaged specimens)									
<i>Edwardsiidae</i>	(inc. damaged specimens)						1			
<i>Caryophyllia</i> (<i>Caryophyllia</i>) <i>smithii</i>					2					
<i>Cerianthus lloydii</i>				1						
<i>Epizoanthus papillosus</i>										
<i>Anthoathecata</i>		p		p	p					
<i>Obelia longissima</i>										
<i>Obelia</i>					p					
<i>Halopteris catharina</i>										
<i>Kirchenpaueria pinnata</i>										
<i>Nemertesia antennina</i>									p	
<i>Plumulariidae</i>										p
<i>Sertularella</i>										
<i>Astropecten irregularis</i>										
<i>Antedon bifida</i>										
<i>Echinocyamus pusillus</i>		2				7	12		4	25
<i>Brissopsis lyrifera</i>				1	1					

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Echinocardium cordatum</i>										
<i>Echinocardium flavescens</i>										
Echinoidea	(juvenile)									
<i>Labidoplax buskii</i>										
<i>Leptosynapta bergensis</i>										2
<i>Leptosynapta decaria</i>										
<i>Leptosynapta minuta</i>					1	4	1			2
<i>Thyone fusus</i>					1					
<i>Amphipholis squamata</i>					1	14	3	6	3	8
<i>Amphiura chiajei</i>										
<i>Amphiura filiformis</i>		8	1	8	6					
<i>Amphiura</i>	(juvenile)									
<i>Amphiuridae</i>	(juvenile/damaged)			1						
<i>Ophiocomina nigra</i>										
<i>Ophiocten affinis</i>										
<i>Ophiura albida</i>			2							
Ophiuroidea	(juvenile)	1	2	3		1	8		3	3
<i>Hiatella arctica</i>		2			1	5		1		
<i>Ensis</i>	(damaged)									
<i>Phaxas pellucidus</i>		1						1		
<i>Glycymeris glycymeris</i>						1	2		1	5
<i>Parvicardium pinnulatum</i>				1	1	1		7		4
<i>Parvicardium scabrum</i>										
<i>Parvicardium</i>	(juvenile/damaged)		1						1	
<i>Gari costulata</i>						1		3		
<i>Gari fervensis</i>										
<i>Gari tellinella</i>						102		24	43	25
<i>Abra alba</i>										2
<i>Abra nitida</i>										
<i>Abra prismatica</i>										
<i>Abra</i>	(juvenile/damaged)									
<i>Arcopagia crassa</i>						6	1		1	8
<i>Asbjornsenia pygmaea</i>						12		6	5	10
<i>Fabulina fabula</i>										
<i>Moerella donacina</i>										
<i>Goodallia triangularis</i>						69	80	55	94	181
<i>Limaria hians</i>	(juvenile)									
<i>Limatula subauriculata</i>						13	4	3	9	1
<i>Lucinoma borealis</i>					1					
<i>Myrtea spinifera</i>		2	2		3					
<i>Thyasira flexuosa</i>										
<i>Thyasira</i>	(damaged)									
<i>Mya truncata</i>								1		
<i>Crenella decussata</i>						7		3		9
<i>Modiolula phaseolina</i>			1	2		10	13	6	6	4
<i>Musculus discors</i>										
<i>Musculus subpictus</i>					1	2	1			
Mytiloidea	(juvenile)									
<i>Nucula nitidosa</i>				1						
<i>Anomia ephippium</i>						2		2		1
<i>Anomiidae</i>	(juvenile)				1					
<i>Pecten maximus</i>	(juvenile)									
<i>Arctica islandica</i>	(juvenile/immature)									
<i>Chamelea striatula</i>								3		28
<i>Clausinella fasciata</i>		1			1	15	27	19		31

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Dosinia exoleta</i>										
<i>Dosinia lupinus</i>		1	2			9		6		2
<i>Dosinia</i>	(juvenile)		1	2	3	13	9	16	6	7
<i>Gouldia minima</i>						3	8	4	4	27
<i>Polititapes rhomboides</i>							2	6		3
<i>Ruditapes decussatus</i>										
<i>Tapes</i>	(juvenile)									1
<i>Timoclea ovata</i>						20	18	44	11	16
<i>Venerupis corrugata</i>										
<i>Venus casina</i>						1	2		2	
<i>Veneridae</i>	(juvenile)					2				
<i>Hemilepton nitidum</i>							1			
<i>Kurtiella bidentata</i>						1				
<i>Tellimya ferruginosa</i>										
<i>Lyansia norwegica</i>										
<i>Spisula elliptica</i>						1				4
<i>Spisula</i>	(juvenile)									
<i>Macluridae</i>	(juvenile)							1		
<i>Cochlodesma praetenu</i>										
<i>Thracia phaseolina</i>										
<i>Thracia villosiuscula</i>						10	2	9	2	4
<i>Thracia</i>	(juvenile/damaged)									
<i>Bivalvia</i>	(juvenile/damaged & siphons)									
<i>Chaetoderma nitidulum</i>		1		1	2					
<i>Turritella communis</i>				2						
<i>Cephalaspidea</i>	(damaged)									
<i>Cylichna cylindracea</i>										
<i>Retusa truncatula</i>										
<i>Caecum glabrum</i>										
<i>Caecum imperforatum</i>										
<i>Calyptrea chinensis</i>										
<i>Eulima bilineata</i>								1		
<i>Melanella alba</i>										
<i>Vitreolina philippi</i>										
<i>Euspira catena</i>			1							
<i>Euspira montagui</i>										
<i>Euspira nitida</i>							1	1		1
<i>Euspira</i>	(juvenile)									
<i>Alvania beanii</i>										
<i>Alvania punctura</i>						2	9			
<i>Alvania</i>	(damaged)								1	
<i>Onoba semicostata</i>									1	
<i>Rissoa parva</i>						1				
<i>Skeneopsis planorbis</i>										
<i>Comarmandia gracilis</i>										
<i>Mangelia costata</i>										
<i>Mangelia</i>	(damaged)									
<i>Tritia incrassata</i>										
<i>Raphitoma linearis</i>										
<i>Doto</i>										
<i>Trapania pallida</i>										
<i>Polyceridae</i>										
<i>Tricolia pullus</i>								2		
<i>Gibbula tumida</i>						1	3			
<i>Gibbula</i>	(juvenile/damaged)							1		

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
<i>Jujubinus montagui</i>							1			3
Trochidae	(juvenile)									
<i>Testudinalia testudinalis</i>										
<i>Patella pellucida</i>										
<i>Brachystomia scalaris</i>										
<i>Brachystomia</i>				1						
<i>Chrysalida</i>	(damaged)									
<i>Odostomia plicata</i>										
<i>Odostomia unidentata</i>										
<i>Odostomia</i>		1								
<i>Ondina divisa</i>										
<i>Ondina</i>	(damaged)									
Gastropoda	(damaged)	2			1					
<i>Heterobranchia</i>	(Volvulella acuminata ?)		1							
<i>Acanthochitona crinita</i>										
<i>Stenosemus albus</i>										
<i>Tonicella marmorea</i>								4		
<i>Leptochiton asellus</i>							8	3	4	8
<i>Leptochiton cancellatus</i>							17	1	9	1
<i>Antalis entalis</i>		2	4	6	6					
Scaphopoda	(juvenile)									
Nematoda		2	1	1	1	84	68	141	11	152
<i>Cerebratulus</i>										
Nemertea		2	4	2	p	5		4	5	
<i>Phoronis</i>			2	3	2					
Platyhelminthes										
<i>Leucosolenia</i>										p
<i>Sycon ciliatum</i>					1		1	1	2	
<i>Cliona celata</i>										
Clonaidae										
<i>Porifera</i>			p		p	p	p			p
<i>Golfingia (Golfingia) elongata</i>								1		
<i>Golfingia</i>										
<i>Nephasoma (Nephasoma) minutum</i>							7			
<i>Thysanocardia procera</i>										
Golfingidae	(juvenile)					5				
<i>Phascolian (Phascolian) strombus strombus</i>		2	1		1					
<i>Lagotia viridis</i>										
<i>Derbesia</i>								p		
<i>Ceramium</i>		p								
<i>Pterothamnion plumula</i>								p		
<i>Polysiphonia</i>		p	p				p	p	p	p
<i>Plumaria plumosa</i>										
<i>Corallina officinalis</i>										
Corallinaceae										
Phyllophora										
<i>Palmaria palmata</i>										
<i>Placarium cartilagineum</i>		p			p	p	p			p
Rhodophyta	(encrusting)									
Rhodophyta	(filamentous)							p		
Rhodophyta	(foliose)					p	p	p	p	
Rhodophyta								p		p
Phaeophyceae										
Phaeophyceae	(filamentous)									
Phaeophyceae	(foliose)						p		p	

Taxa	Notes	S11-G07	S11-G08	S11-G09	S11-G10	Z1	Z2	Z3	Z4	Z5
Maeri indet	<i>(Phymatolithon calcareum)</i>					p	p	p	p	p
Plastic		Y	N	N	N	N	N	Y	Y	N

ANNEX 25: MAERL MEASUREMENTS FRPM THE SOUND OF BARRA BENTHIC SURVEY (MAX. LENGTH IN MM)

S2-G01	S2-G02	S2-G03	S2-G04	S2-G05	S2-G06	S2-G07	S2-G08	S2-G09	S3-G1	S3-G2	S3-G3	S3-G4	S3-G5	S3-G6	S3-G7	S3-G8	S4-G1	S4-G2	S4-G3	S4-G4	S4-G5
	8	25		12	15	15		22		33	32			40	16	20	47	23	22	23	30
	27	18		14	24	17		15		30	27			20	13	35	22	30	24	32	33
	28	15		23	23	11		10		40	26			10	20	26	27	37	33	16	37
	20	20		13	22	11		10		30	29			25	14	25	40	40	32	21	26
	19	13		24	20	14				40	30			13	24	22	29	30	29	24	28
	16	16		10	12	17				34	30			11	22	24	23	36	17	18	34
	28	21		10	20	14				39	29			24	14	24	28	29	23	19	36
	23	19		4	14	20				29	22			21	22	30	16	31	19	21	34
	20	13		10	12	24				27	28			16	33	16	27	26	23	23	30
	7	17		12	11	14				24	26			23	12	20	27	41	30	43	29
	12	16		7	20	14				29	25			12	10	24	16	47	18	32	25
		15		8	12	17				39	29			19	14	33	26	27	25	20	43
		14		17	14	25				26	21			11	20	23	38	30	10	30	
		20		18	13	26				30	31			10	23	20	17	35	27	30	31
		20		5	16	7				34	32			17	18	18	24	24	28	21	32
		14			17					34	24			9	14	18	49	39	31	27	26
		15			12					24	16			16	16	19	17	15	18	26	25
		9			15					30	19			17	22	20	17	21	22	23	23
		12			21					21	20			14	18	20	15	19	21	30	32
		15			12					20	15			24	19	39	19	35	22	15	20
		18			13					21	14				24	22	23	25	16	35	20
		19			18					20	16				14	15	18	18	15	16	25
		17			16					20					16	21	24	17	16	18	24
		24			14					25					27	19	29	18	22	17	33
		15			15					26					13	24	17	22	18	33	25
		13			13					22					12	16	25	19	19	17	29
		14			14					24					15	15	23	25	23	27	24
		12			28					21					12	15	24	20	19	30	25
		15			8					22					32	20	23	12	27	30	21
		11			13					43					14	22	14	23	34	28	20
		12			13					24					11	17	23	14	35	27	32
		10			15					16					17	25	18	26	17	25	26
		15			19					20					30	15	19	16	12	23	31
		18			10					20					13	15	21	14	15	26	22
		13			20					24					17	16	24	15	22	29	32
		15			22					17					14	16	16	43	21	21	26
		13			13					25					12	17	17	23	22	28	21
		12			12					28					14	15	33	25	25	21	23
		11			13					22					22	18	21	24	41	27	26
		9			13					20					23	12	25	18	29	26	22
		8			12					25					23	11	17	30	28	25	20
		7			14					24					20	20	16	27	26	26	37
					16					19					16	16	24	21	25	34	23
					12					20					34	11	11	23	14	18	19
					17					20					19	16	22	13	23	25	24
					11					18					29	14	15	18	16	22	31
					12					17					22	15	30	16	21	14	31
					20					16					14	15	20	22	16	37	32
					16					20					33	15	18	21	20	18	28
					17					19							19	25	13	28	21

S4-G6	S4-G7	S4-G8	S4-G9	S4-G10	S5-G1	S5-G2	S5-G3	S5-G4	S5-G5	S5-G6	S5-G7	S5-G8	S5-G9	S5-G10	S6-G1	S6-G2	S6-G3	S6-G4	S6-G5	S6-G6	S6-G7
34	33	32	39	30	34	25	49	18	16	17	26	20		16	15	31	30	37	25	24	15
41	43		43	31	29	31	34	18	17	28	27	30		26	20	27	44	29	25	37	12
30	24		48	32	40	23	28	14	27	39	27	34		34	12	39	47	24	17	38	14
12	21		39	24	30	20	20	9	16	14	17	14		45	31	26	24	33	12	31	25
27	29		30	21	30	31	27	24	16	47	17	27		27	19	34	25	33	16	44	14
14	16		30	34	26	20	35	19	24	19	32	8		26	18	34	27	14	17	35	9
24	33		45	23	27	32	24	18	24	30	16	6		20	26	26	34	11	21	36	13
14	13		40	25	27	19	44	24	24	35	18	17		39	43	35	34	30	27	17	8
18	22		34	21	20	18	18	16	12	33	21	15		27	18	26	31	15	15	29	18
13	24		43	15	29	19	29	27	13	22	19	17		27	11	25	31	17	22	23	22
16	25		33	36	32	33	32	44	20	14	29	14		17	23	27	34	15	24	27	22
16	29		29	27	24	39	21	32		33	24	20		16	13	26	25	12	28	22	33
19	8		26	20	28	41	22	14		16	12	24		27	12	36	34	23	28	20	27
11	20		31	28	25	29	23	31		19	17	44		28	18	25	22	26	34	32	24
16	15		36	25	25	49	41	16		14	23	28		29	11	33	24	32	23	33	29
20	12		53	25	23	21	16	38		7	20	27		21	19	16	15	14	20	25	20
20	17		21	20	39	14	19	28		21	27	11		24	12	23	21	32	11	24	12
17	25		28	27	33	18	21	40		48	33	11		28	22	23	21	28	18	29	30
14	14		20	28	31	18	20	27		15	27	6		24	13	22	9	21	24	21	10
22	25		29	20	30	31	22	36		16	28	28		25	17	27	32	14	12	18	17
14	18		25	20	24	13	23	39		39	14	11		27	33	31	22	14	22	31	8
20	15		34	29	25	23	29	15		11	10	32		17	36	34	32	17	15	22	15
24	18		29	20	22	26	30	16		12	26	30		27	18	22	33	17	12	25	18
29	25		30	23	30	29	17	10		26	17	27		28	15	29	29	16	22	21	15
27	16		25	24	24	21	18	8		9	9	15		38	11	25	22	29	14	25	20
11	21		26	21	18	24	28	29		18	15	26		20	22	21	24	33	24	28	11
24	31		26	26	22	12	33	22		35	34	22		18	15	17	24	18	17	22	22
26	19		28	24	24	24	20	13		13	14	28		14	16	23	22	25	22	31	15
23	19		25	18	25	30	25	14		10	17	24		22	30	28	32	20	12	26	17
21	27		24	19	30	13	30	18		22	32	32		35	17	18	29	30	10	20	15
21	32		22	18	29	17	18	11		27	34	13		31	26	27	19	22	11	27	18
27	34		24	21	25	35	19	27		17	18	14		20	31	25	24	14	15	24	12
14	25		22	19	20	27	27	30		19	24	19		17	27	14	26	13	22	26	24
25	14		22	15	19	32	26	30		37	28	21		27	20	10	22	17	17	35	10
23	34		18	26	22	25	27	20		39	21	22		14	12	17	23	18	19	22	13
11	21		19	15	17	15	22	29		11	17	23		9	17	22	26	17	12	21	12
16	23		19	13	22	27	27	17		15	8	15		33	16	14	24	14	14	22	5
23	32		19	18	16	14	28	18		16	13	16		8	21	28	25	27	23	36	13
22	18		21	15	42	36	33	21		18	14	18		25	26	13	28	19	17	27	22
20	24		19	11	20	19	16	19		12	17	10		25	13	26	8	14	15	26	18
14	24		20	20	12	47	28	15		13	7	14		17	17	14	14	13	20	42	7
12	14		18	16	17	31	29	33		19	26	36		30	12	29	19	15	24	27	17
31	17		16	15	20	28	24	16		15	14	25		15	24	21	21	23	13	18	12
15	27		15	16	16	23	25	28		17	18	39		35	20	22	25	16	17	20	7
16	12		22	20	20	25	21	22		27	10	18		17	26	18	16	13	10	30	24
13	17		14	12	16	22	20	13		19	17	9		27	11	21	25	20	17	34	22
20	18		17	14	19	19	30	26		28	18	24		22	20	16	17	29	21	30	21
26	18		12	10	18	35	26	25		29	12	17		21	15	17	27	28	19	30	26
12	19		12	13	15	26	15	14		23	13	19		22	18	23	33	13	14	20	12
34	29		12	7	14	37	17	10		17	27	8		24	14	27	24	17	10	26	10

S6-G8	S6-G9	S7-G1	S7-G2	S7-G3	S7-G4	S7-G5	S7-G6	S7-G7	S7-G8	S7-G9	S8-G1	S8-G2	S8-G3	S8-G4	S8-G5	S8-G6	S8-G7	S8-G8	S8-G9	S9-G1	S9-G2
22	19	31	11		21		11	12	9	38	32			38			43	28	9	35	
23	6	18	20		11		11	39	12	10	30			29			36	22	16	20	
22	10		15		19		17	40	26	8	32			5			42	25	22	21	
15	16		10		15		5	37	17	14	15			6			41	33	24	15	
13	12		24		16		11	26	8	33	16			12			40	16	30	20	
16	10		19		14		20	21	15	17	29			17			30	17	16	25	
27	13		29		17		12	17	14	33	20			19			28	18	8	20	
21	8		20		13		22	20	34	44	21			23			34	14		21	
22	16		15		20		9	17	8	23	14			32			20	7		28	
27	15		22		10		8	21	28	28	10			13			25	10		20	
15	29		17		11		9	17	17	19	15						30			20	
17	24		20		13		14	20	18	9	17						16			15	
18	19		21		10		4	21	14	11	15						30			9	
7	15		16		10		9	15	18	14	11						24			8	
7	7		18		15		13	10	15	7	12						34			10	
23	13		15		11		6	11	18	4	14						19			13	
10	23		20		11		14	17	14	9	13						30			9	
14	23		10		10		15	16	16	4	16						10				
22	4		15		12		6	15	14	11	18						11				
14	17		12		9		9	9	12	15	16						10				
17	17		18		10		17	15	12	16	17						13				
22	18		30		10		12	20	19	12	10						14				
15	17		25		6		16	18	22	28	12						13				
16	20		26				7	19	12	19	17						12				
23	18		60					12	8	24	11						15				
14	19		21					10	25	17	11						9				
17	15		17					11	26	9	11						16				
25	26		12					17	18	10	8						15				
12	14		30					16	24	8	9						15				
23	19		24					14	13	9	8						20				
24	18		19					20	16	19											
13	17		17					11	17	9											
8	27		30					12	20	8											
20	10		12					13	13	7											
17	22		35					14	20	11											
21	21		24					13	9	4											
29	5		30					12	15	10											
11	14		26						24	11											
12	32		17						24												
25	33		12						15												
19	7		14						19												
25	17		30						17												
12	14		25						15												
22	14		21						25												
	12		13						18												
	17		19						16												
	9		15						18												
	24		10						14												
	15		12						12												
	14		20						15												

S9-G3	S9-G4	S9-G5	S9-G6	S9-G7	S9-G8	S9-G9	S9-G10	S10-G1	S10-G2	S10-G3	S10-G4	S10-G5	S10-G6	S10-G7	S10-G8	S10-G9	S10-G10	S11-G1	S11-G2	S11-G3	S11-G4
10						36	45	48	38	43	29			49			44				
15						29	40	42	19	38				33			42				
20						31	14	44	30	35				25			38				
35						30	17	41	34	34				39			45				
50						25	16	42	33	29				34			23				
40						30	25	50	25	27				25			22				
30						26	27	48	21	29				30			41				
40						26	25	34	21	29				35			34				
24						20	20	30	22	29				28			23				
17						20	37	35	19	31				27			30				
38						20	27	45	20	39				25			35				
20						13	27	30	26					17			29				
18						15	32	34	19					28			15				
33						13	28	39	15					17			9				
30						10	33	32						16			9				
19						9	19	29						25			16				
16							21	35						17			17				
12							15	33						20			16				
29							33	32						12			29				
15							16	32						12			7				
21							18	26						14			8				
17							23	31						10							
14							24	25						13							
15							18	29						10							
16								19						9							
9								23						7							
8								23						15							
13								20													
								22													
								16													
								18													
								16													
								43													
								33													
								39													
								48													
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								41													
								36													
								32													
								25													
								38													
								32													
								32													
								48													
								25													
								36													
								24													
								39													

S11-G5	S11-G6	S11-G7	S11-G8	S11-G9	S11-G10	Z1	Z2	Z3	Z4	Z5
						21	17	43	38	18
						16	34	36	22	20
						9	26	25	9	25
						17	30	39	45	21
						17	22	30	17	24
						18	24	23	27	23
						15	13	26	15	27
						16	17	35	20	22
						24	52	35	10	25
						11	24	34	15	27
						12	16	30	20	20
						18	20	29	27	23
						18	29	25	42	22
						27	42	31	25	35
						22	33	25	18	37
							39	20	20	29
							44	35	14	30
							45	23	25	23
							29	22	23	30
							30	23	22	20
							40	18	15	37
							29	32	24	15
							38	24	16	21
							22	26	17	17
							27	27	18	20
							29	21	19	22
							31	23	20	40
							23	20	15	31
							24	20	15	25
							27	19	27	21
							21	19	9	20
							22	24	20	25
							23	16	25	24
							21	20	20	10
							40	15	21	22
							14	29	28	32
							17	20	24	19
							30	30	24	16
							25	20	32	12
							20	16	23	18
							18	16	14	17
							28	19	20	21
							33	23	7	15
							21	19	11	14
							30	15	23	20
							39	20		15
							44	16		14
							12	29		13
							24	17		22
							25	15		15

ANNEX 26: CHARACTERISTIC TAXA (FROM SIMPER) AND ENVIRONMENTAL DATA AT THE STATIONS WITHIN EACH CLUSTER GROUP

Group 1 (Average similarity: 39.14%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
S7-G05	Gravelly Sand	23.41	71.83	4.76	31.6
S7-G02	Muddy Sandy Gravel	41.25	49.01	9.74	25.5
S7-G04	Gravelly Muddy Sand	23.77	67.91	8.32	26.6
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Timoclea ovata</i>	21.33	100	4.63	4.63
	<i>Modiolula phaseolina</i>	7.00	100	3.8	8.43
	<i>Gouldia minima</i>	6.33	100	3.79	12.22
	<i>Pholoe inornata</i>	4.33	100	3.48	15.7
	<i>Myriochele danielsseni</i>	3.67	100	3.23	18.94
	<i>Urothoe elegans</i>	7.33	100	3.16	22.09
	<i>Diplocirrus glaucus</i>	2.67	100	3.03	25.12
	<i>Dosinia lupinus</i>	7.00	100	3.03	28.15
	<i>Echinocyamus pusillus</i>	4.33	100	3	31.15
	<i>Aponuphis bilineata</i>	3.33	100	2.85	33.99
	<i>Gari tellinella</i>	3.33	100	2.85	36.84
	<i>Ostracoda</i>	3.67	100	2.78	39.62
	<i>Leptochiton asellus</i>	2.67	100	2.78	42.4
	<i>Glycinde nordmanni</i>	1.67	100	2.72	45.11
	<i>Owenia fusiformis</i>	1.67	100	2.72	47.83
	<i>Pista bansei</i>	2.33	100	2.72	50.55
	<i>Polycirrus</i>	2.33	100	2.68	53.24
	<i>Gibbula tumida</i>	1.33	100	2.55	55.78
	<i>Jujubinus montagui</i>	1.33	100	2.55	58.33
	<i>Nemertea</i>	2.00	100	2.55	60.87

Group 2 (Average similarity: 46.39%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
S3-G08	Sandy Gravel	55.87	42.39	1.74	22.3
S10-G10	Gravelly Sand	29.80	69.79	0.42	27.1
S10-G02	Slightly Gravelly Sand	4.36	95.17	0.46	24
S10-G09	Slightly Gravelly Sand	1.54	98.46	0.00	27.1
S9-G01	Sandy Gravel	59.39	39.55	1.06	26.6
S7-G09	Slightly Gravelly Sand	2.40	95.10	2.49	25.9
S8-G07	Gravelly Sand	16.14	82.52	1.35	28.7
S4-G03	Gravelly Sand	25.27	73.35	1.38	25.4
S3-G03	Gravelly Sand	24.99	73.87	1.13	26.5
S5-G01	Sandy Gravel	46.98	52.40	0.61	29
S5-G04	Sandy Gravel	51.30	48.12	0.58	29.8
S6-G01	Sandy Gravel	60.90	38.72	0.38	27.4
S4-G01	Sandy Gravel	35.77	64.08	0.15	25.5
S5-G05	Sandy Gravel	52.23	43.56	4.22	27.8
S5-G06	Sandy Gravel	35.83	62.91	1.27	26.7
S5-G07	Sandy Gravel	36.93	61.59	1.48	26.7
S5-G08	Sandy Gravel	39.48	58.76	1.75	28.7
S6-G07	Sandy Gravel	39.51	60.09	0.40	30.4
S6-G09	Sandy Gravel	32.19	66.66	1.15	28.4
S8-G01	Sandy Gravel	33.89	65.96	0.16	25.6
S8-G03	Gravelly Sand	23.24	76.27	0.50	27.6
S8-G09	Gravelly Sand	14.76	85.18	0.05	27.9
S10-G01	Gravelly Sand	26.34	73.66	0.00	22.9
S10-G03	Gravelly Sand	6.52	93.48	0.00	24
S10-G04	Sandy Gravel	34.70	64.84	0.46	23.1
S10-G06	Gravelly Sand	10.64	89.33	0.03	25.1
S10-G07	Gravelly Sand	5.80	94.14	0.06	26.1
S10-G08	Slightly Gravelly Sand	2.62	97.38	0.00	26.1
S2-G03	Gravelly Sand	17.86	74.59	7.55	29.1
S2-G09	Gravelly Sand	23.13	74.59	2.28	26.7
S2-G05	Gravelly Sand	13.27	82.99	3.74	27
S2-G07	Gravelly Sand	26.56	70.83	2.61	33.8
S8-G08	Gravelly Sand	19.64	79.29	1.08	28.8
S7-G06	Gravelly Sand	14.38	83.27	2.35	15.8
S7-G08	Gravelly Sand	14.02	83.39	2.59	26.9
S7-G07	Gravelly Sand	11.20	85.98	2.82	22.8

Group 2 (Average similarity: 46.39%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
Z3	Sandy Gravel	45.20	53.57	1.23	17.3
S4-G05	Sandy Gravel	67.90	30.01	2.10	28.2
S9-G03	Sandy Gravel	53.66	46.03	0.31	26.6
Z4	Sandy Gravel	42.11	57.03	0.87	24.3
S4-G04	Sandy Gravel	62.10	37.22	0.68	26.3
S2-G06	Sandy Gravel	40.18	58.30	1.52	29.9
S3-G02	Sandy Gravel	50.97	46.26	2.77	27.6
S4-G07	Sandy Gravel	53.58	43.48	2.94	28.1
Z2	Sandy Gravel	74.75	24.92	0.33	26.3
Z5	Sandy Gravel	31.62	65.30	3.07	28.3
S9-G09	Sandy Gravel	38.90	59.99	1.11	30.8
S5-G02	Sandy Gravel	36.04	62.09	1.87	26
S6-G04	Sandy Gravel	67.41	32.01	0.57	24.4
S6-G05	Gravelly Sand	15.64	83.15	1.21	28.4
S5-G03	Gravel	82.25	17.08	0.66	29
S6-G02	Sandy Gravel	49.95	48.04	2.01	26.4
S6-G03	Sandy Gravel	74.66	24.65	0.68	28.4
S6-G06	Sandy Gravel	75.82	23.63	0.55	26.4
S2-G08	Gravelly Sand	12.61	82.08	5.31	22.8
S3-G07	Sandy Gravel	59.04	39.81	1.15	26.3
S4-G02	Sandy Gravel	38.70	60.44	0.85	25.4
S4-G06	Sandy Gravel	34.66	63.26	2.09	26.2
S4-G09	Gravelly Sand	18.39	80.46	1.15	24.9
S5-G10	Gravelly Sand	23.43	74.86	1.71	26.6
S6-G08	Sandy Gravel	46.40	51.69	1.91	28.4
S8-G02	Sandy Gravel	45.93	53.10	0.97	20.6
S8-G04	Gravelly Sand	17.35	80.16	2.49	28.6
S9-G10	Sandy Gravel	48.66	51.30	0.04	28.8
Z1	Sandy Gravel	44.39	54.68	0.93	26.3
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Nematoda</i>	61.32	98	6.35	6.35
	<i>Goodallia triangularis</i>	59.34	98	5.66	12.01
	<i>Polygordius</i>	20.57	92	4.57	16.58
	<i>Gari tellinella</i>	19.42	94	4.31	20.89
	<i>Glycera lapidum</i>	6.75	100	4.2	25.09
	<i>Timoclea ovata</i>	14.52	97	4.17	29.26
	<i>Asbjornsenia pygmaea</i>	19.25	95	4.16	33.43
	<i>Dosinia</i> (juvenile)	7.00	86	2.89	36.32
	<i>Pisone remota</i>	8.52	80	2.77	39.09
	<i>Echinocyamus pusillus</i>	6.03	85	2.73	41.82
	<i>Syllis pontxioi</i>	5.77	83	2.7	44.52
	<i>Clausinella fasciata</i>	7.65	83	2.67	47.19
	<i>Nemertea</i>	3.23	85	2.53	49.72
	<i>Syllis parapari</i>	5.68	78	2.35	52.07
	<i>Limatula subauriculata</i>	4.88	80	2.23	54.3
	<i>Thracia villosiuscula</i>	3.80	80	2.18	56.48
	<i>Copepoda</i>	4.22	77	2.13	58.62
	<i>Gouldia minima</i>	8.14	78	2.1	60.72

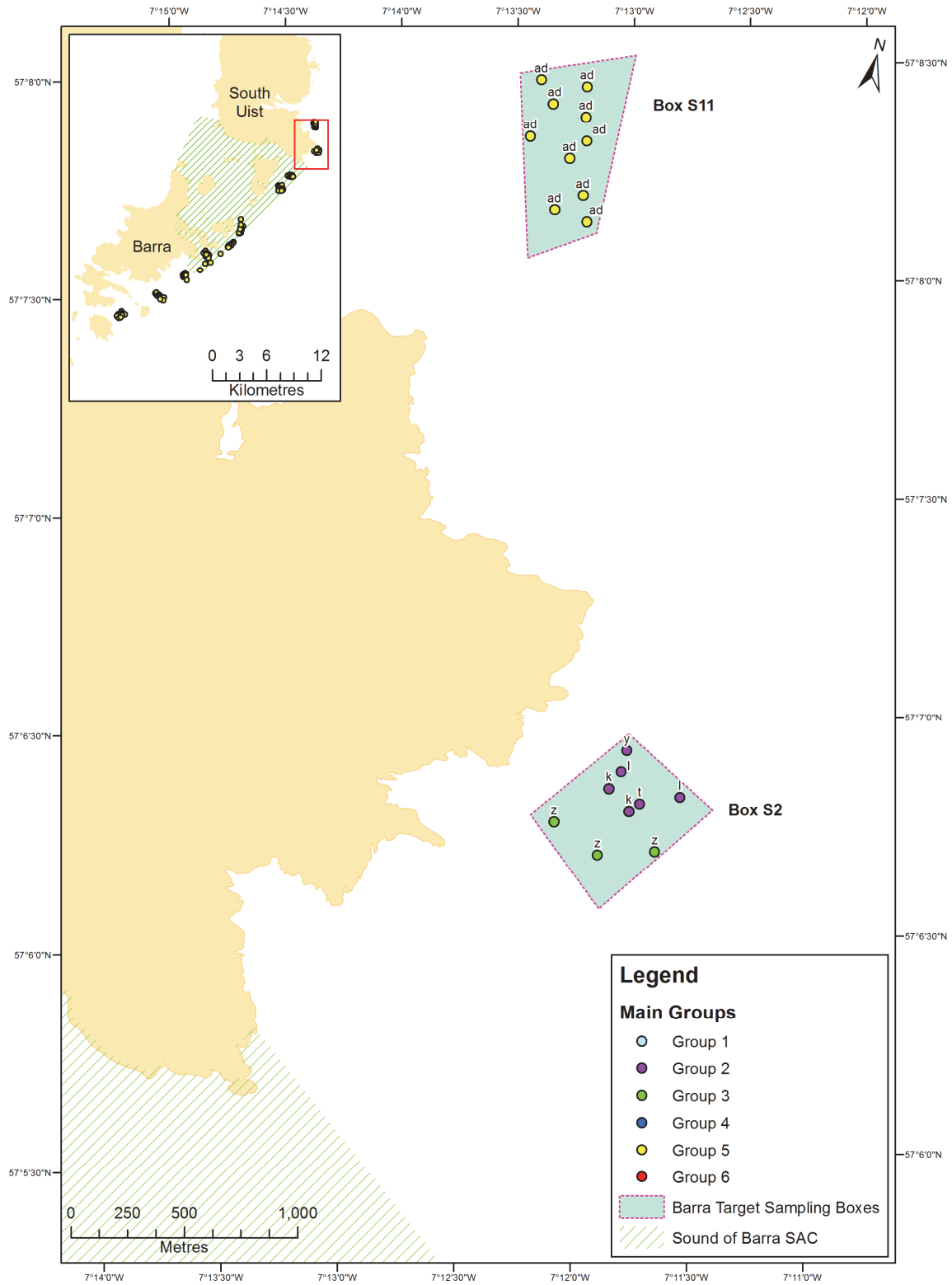
Group 3 (Average similarity: 33.7%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
S2-G01	Gravelly Sand	15.83	77.41	6.76	25.1
S2-G02	Gravelly Sand	14.46	80.21	5.33	29.1
S2-G04	Gravelly Sand	12.85	80.70	6.44	42
S3-G01	Slightly Gravelly Sand	0.94	96.90	2.16	26.7
S3-G06	Slightly Gravelly Sand	2.20	95.90	1.90	24.4
S4-G08	Slightly Gravelly Sand	2.60	94.93	2.47	26.1
S4-G10	Gravelly Sand	18.93	78.01	3.06	26.8
S5-G09	Gravelly Sand	5.84	89.75	4.41	27.6
S8-G06	Slightly Gravelly Sand	1.50	96.38	2.12	27.6
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Mediomastus fragilis</i>	28.67	100	10.37	10.37
	<i>Timoclea ovata</i>	5.67	89	6.15	16.51
	<i>Urothoe elegans</i>	8.22	89	5.99	22.5
	<i>Echinocyamus pusillus</i>	4.22	89	5.25	27.75
	<i>Glycera lapidum</i>	2.78	89	5	32.75
	<i>Asbjornsenia pygmaea</i>	6.56	78	4.93	37.67
	<i>Gouldia minima</i>	3.44	78	4.36	42.04
	<i>Nematoda</i>	7.00	78	4.36	46.4
	<i>Copepoda</i>	4.33	78	4.26	50.66
	<i>Aponuphis bilineata</i>	2.89	78	3.95	54.6
	<i>Modiolula phaseolina</i>	9.11	67	3.71	58.31
	<i>Aonides paucibranchiata</i>	1.78	78	3.42	61.73
	<i>Parvicardium pinnulatum</i>	2.00	67	2.88	64.61
	<i>Goodallia triangularis</i>	2.44	67	2.67	67.28
	<i>Scoloplos armiger</i>	2.33	67	2.55	69.83

Group 4 (Average similarity: 39.92%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
S3-G04	Gravelly Sand	6.23	91.79	1.97	26.5
S3-G05	Gravelly Sand	9.63	88.38	2.00	26.4
S8-G05	Gravelly Sand	9.20	89.28	1.53	28.6
S9-G02	Slightly Gravelly Sand	2.10	97.60	0.30	27.6
S9-G04	Slightly Gravelly Sand	0.89	98.52	0.58	26.6
S9-G05	Slightly Gravelly Sand	0.69	99.17	0.15	26.7
S9-G06	Slightly Gravelly Sand	0.61	99.32	0.07	27.7
S9-G07	Slightly Gravelly Sand	0.49	99.28	0.23	29.7
S9-G08	Slightly Gravelly Sand	0.43	99.40	0.17	30.7
S10-G05	Slightly Gravelly Sand	1.28	98.42	0.30	23
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Echinocyamus pusillus</i>	14.50	100	10.32	10.32
	<i>Asbjornsenia pygmaea</i>	29.20	90	10.04	20.36
	<i>Goodallia triangularis</i>	21.70	90	9.34	29.7
	<i>Timoclea ovata</i>	14.40	90	8.7	38.4
	<i>Crenella decussata</i>	13.20	90	7.85	46.25
	<i>Cochlodesma praetenue</i>	10.60	90	7.56	53.81
	<i>Copepoda</i>	2.60	90	5.79	59.6
	<i>Dosinia lupinus</i>	8.20	70	4.25	63.85
	<i>Owenia fusiformis</i>	0.80	70	3.15	67
	<i>Aonides paucibranchiata</i>	1.30	70	3.13	70.12
	<i>Aponuphis bilineata</i>	1.50	70	3.03	73.15
	<i>Nephtys cirrosa</i>	1.50	60	2.33	75.48

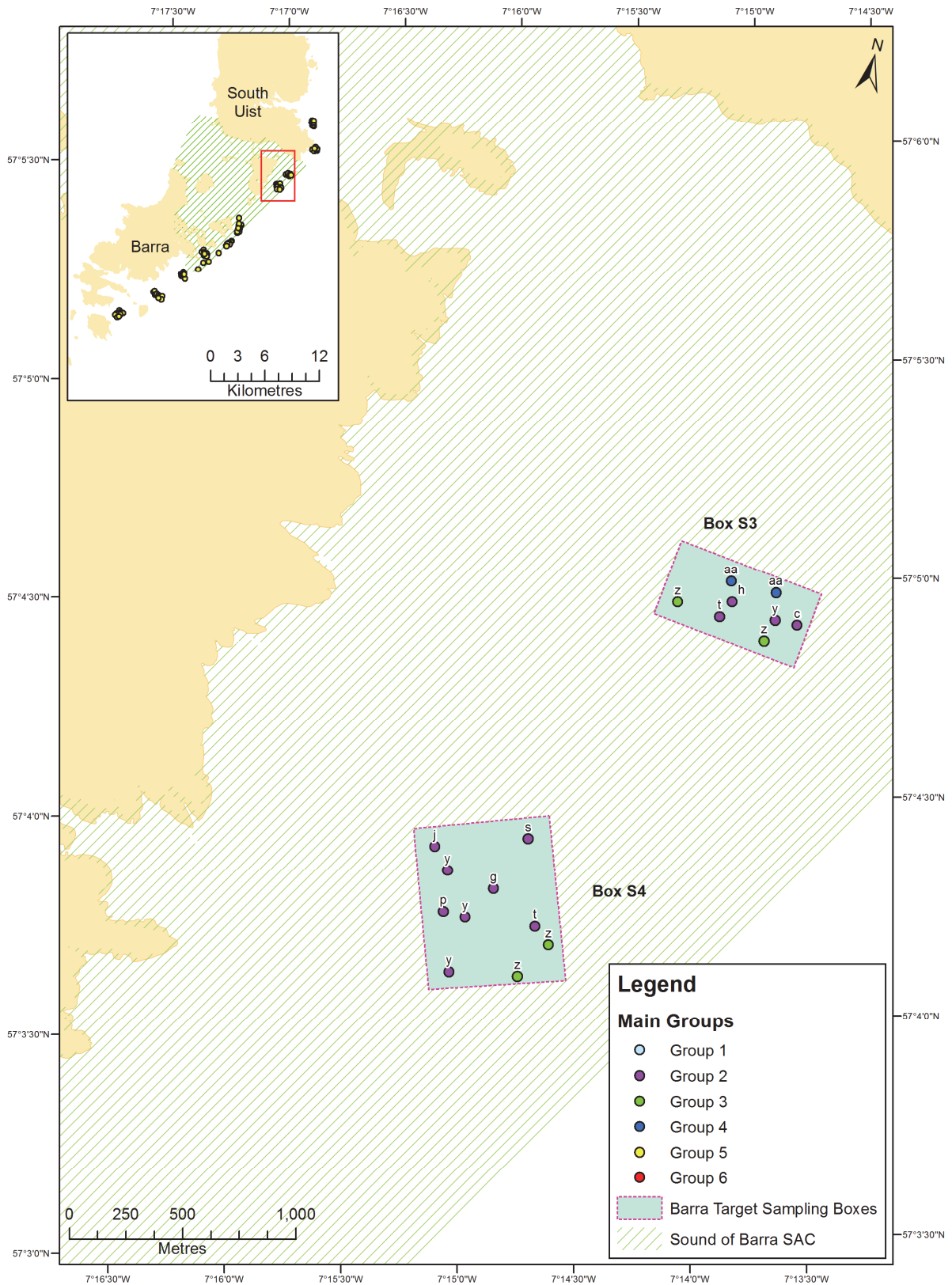
Group 5 (Average similarity: 34.78%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
S11-G01	Slightly Gravelly Muddy Sand	4.09	79.79	16.12	35.6
S11-G02	Gravelly Muddy Sand	11.75	73.55	14.71	39.5
S11-G03	Slightly Gravelly Muddy Sand	4.03	81.89	14.08	37.4
S11-G04	Slightly Gravelly Muddy Sand	0.19	79.36	20.45	34.3
S11-G05	Slightly Gravelly Muddy Sand	1.33	77.31	21.36	35.3
S11-G06	Slightly Gravelly Muddy Sand	4.70	75.09	20.21	36.2
S11-G07	Slightly Gravelly Muddy Sand	4.30	77.48	18.22	35.6
S11-G08	Gravelly Muddy Sand	12.72	66.69	20.60	37.6
S11-G09	Slightly Gravelly Muddy Sand	3.29	70.52	26.19	36.5
S11-G10	Slightly Gravelly Muddy Sand	4.10	75.35	20.55	37.5
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Edwardsia claparedii</i>	20.60	100	8.04	8.04
	<i>Copepoda</i>	7.20	90	4.29	12.32
	<i>Antalis entalis</i>	2.80	90	4.22	16.55
	<i>Ophiuroidea</i> (juvenile)	2.50	90	4.09	20.64
	<i>Amphiura filiformis</i>	10.20	80	3.78	24.42
	<i>Chaetozone zetlandica</i>	4.00	80	3.58	28
	<i>Galathowenia oculata</i>	6.30	70	3.33	31.33
	<i>Polycirrus</i>	2.10	80	3.29	34.63
	<i>Owenia fusiformis</i>	2.20	80	3.21	37.83
	<i>Phoronis</i>	1.60	80	2.87	40.71
	<i>Magelona alleni</i>	2.40	80	2.87	43.57

Group 6 (Average similarity: 26.80%)					
Station	Sediment Type	% Gravel	% Sand	% Mud	Depth (m CD)
S7-G01	Slightly Gravelly Sand	4.09	91.14	4.76	26.4
S7-G03	Slightly Gravelly Sand	3.25	91.86	4.89	27.5
	Dominant Taxa	Av. Abund	% of Sites	Contrib%	Cum.%
	<i>Turritella communis</i>	20.50	100	14.75	14.75
	<i>Urothoe elegans</i>	10.50	100	12.41	27.16
	<i>Diplocirrus glaucus</i>	6.00	100	11.03	38.19
	<i>Hydroides norvegica</i>	3.00	100	8.77	46.96
	<i>Magelona alleni</i>	3.00	100	8.77	55.74
	<i>Prionospio fallax</i>	3.00	100	7.38	63.11
	<i>Ampharete lindstroemi</i>	1.00	100	7.38	70.49
	<i>Echinocyamus pusillus</i>	2.00	100	7.38	77.87
	<i>Asbjornsenia pygmaea</i>	1.00	100	7.38	85.25
	<i>Lucinoma borealis</i>	1.00	100	7.38	92.62
	<i>Timoclea ovata</i>	2.00	100	7.38	100

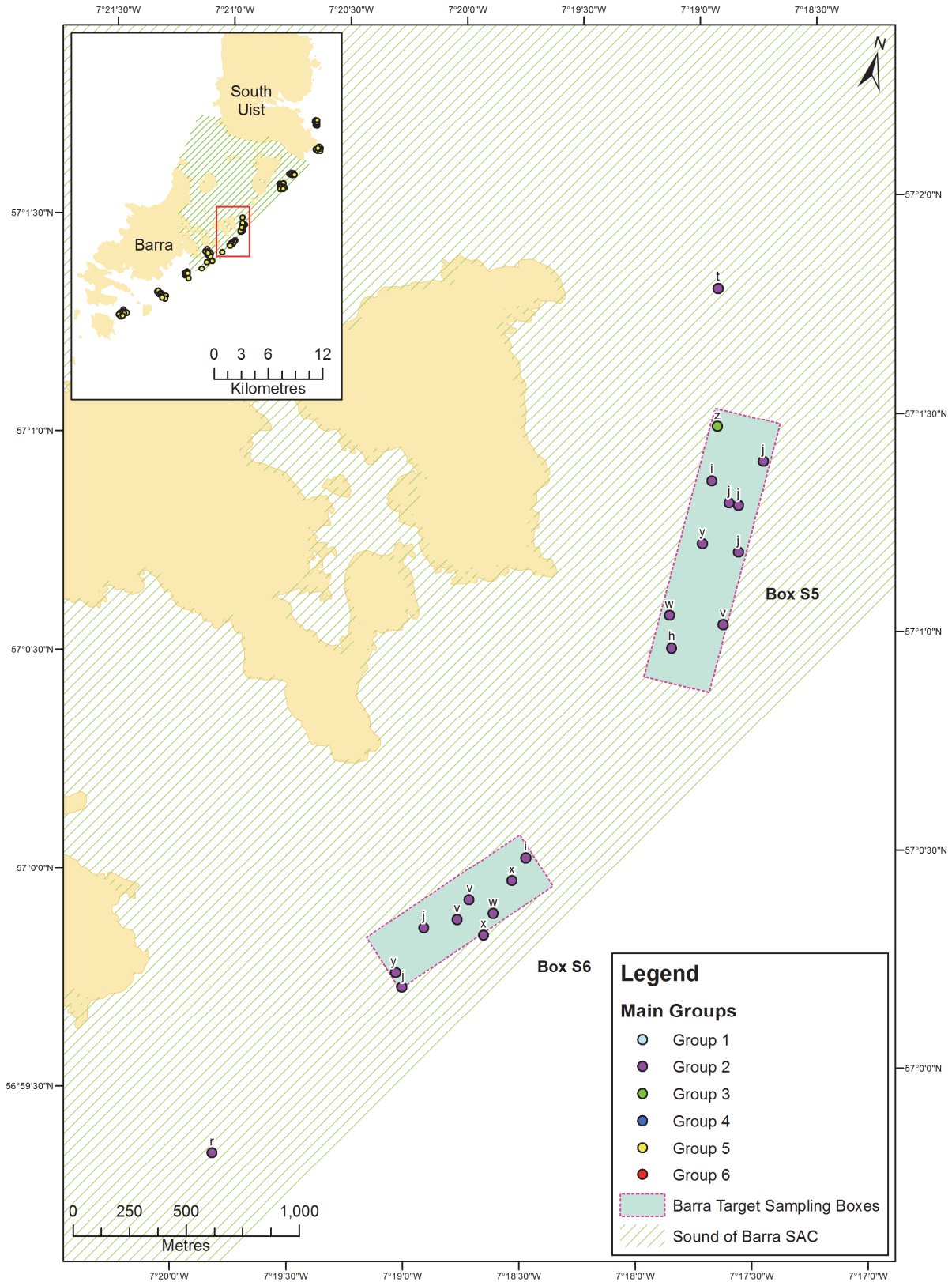
ANNEX 27: CLUSTER GROUPS AT THE SOUND OF BARRA SAC (SIMPROV GROUPS LABELLED)



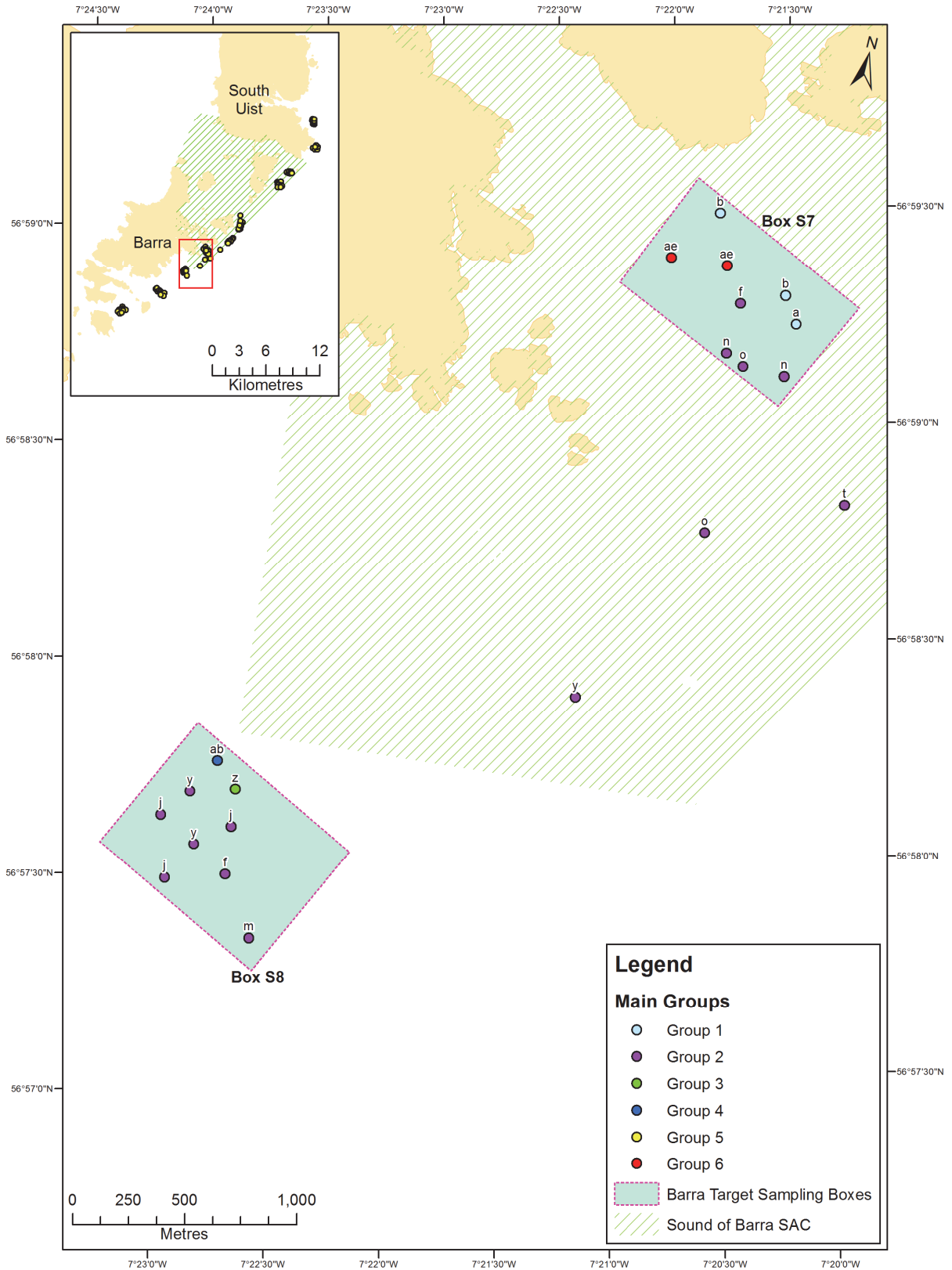
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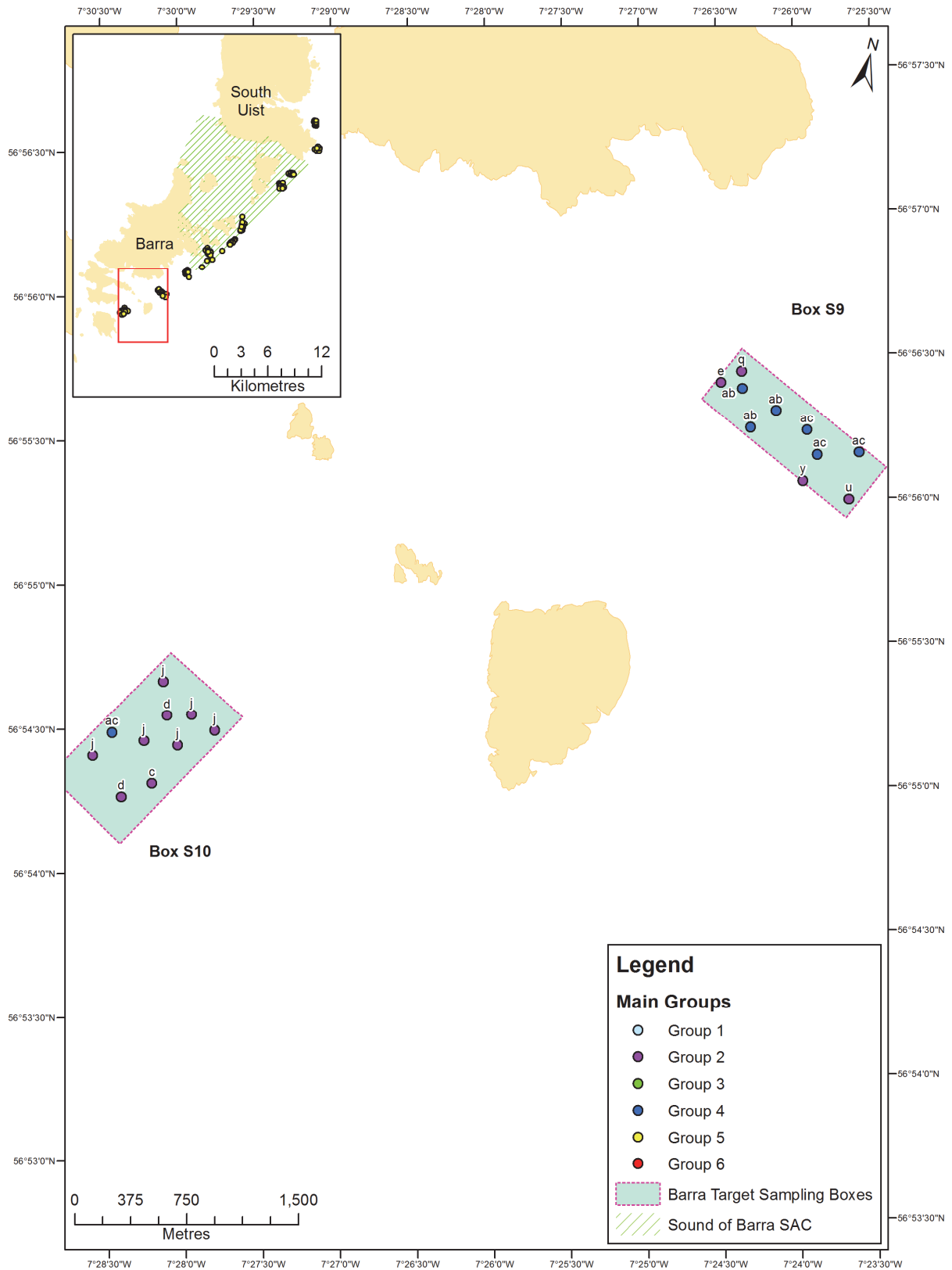
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ANNEX 28: BIOTOPES, AND DOMINANT TAXA WITHIN CLUSTER GROUPS FOR THE SOUND OF BARRA SAC SURVEY STATIONS

Main Group	Sample	SimProf Group	Biotope	Flag	Sediment	Depth m CD	Taxa
Group 1	S7-G05	a	SS.SCS.CCS		Gravelly Sand	31.6	<i>Dosinia lupinus</i> , <i>Timoclea ovata</i> , <i>Golfingia</i> , <i>Urothoe elegans</i> , <i>Gouldia minima</i> , <i>Echinocyamus pusillus</i> , <i>Paraonides neapolitana</i> , <i>Myriochele danielsseni</i> , <i>Balanus balanus</i> , <i>Hiatella arctica</i>
Group 1	S7-G02	b	SS.SMp.Mrl		Muddy Sandy Gravel	25.5	<i>Mediomastus fragilis</i> , <i>Lysianassa plumosa</i> , <i>Golfingia</i> , <i>Amphipholis squamata</i> , <i>Vaunthompsonia cristata</i> , <i>Timoclea ovata</i> , <i>Nematoda</i> , <i>Modiolula phaseolina</i> , <i>Paradoneis ilvana</i> , <i>Scalibregma celticum</i> (& live maerl)
Group 1	S7-G04	b	SS.SMp.Mrl	?	Gravelly Muddy Sand	26.6	<i>Mediomastus fragilis</i> , <i>Timoclea ovata</i> , <i>Urothoe elegans</i> , <i>Paradoneis lyra</i> , <i>Modiolula phaseolina</i> , <i>Glycera lapidum</i> , <i>Vaunthompsonia cristata</i> , <i>Ostracoda</i> , <i>Clausinella fasciata</i> , <i>Gouldia minima</i> (& live maerl)
Group 2	S3-G08	c	SS.SMp.Mrl		Sandy Gravel	22.3	<i>Mediomastus fragilis</i> , <i>Glycera lapidum</i> , <i>Laonice bahusiensis</i> , <i>Nematoda</i> , <i>Aonides paucibranchiata</i> , <i>Grania</i> , <i>Animoceradocus semiserratus</i> , <i>Dosinia</i> (juvenile), <i>Thracia villosiuscula</i> , <i>Tmetonyx similis</i> (& live maerl)
Group 2	S10-G10	c	SS.SMp.Mrl	?	Gravelly Sand	27.1	<i>Mediomastus fragilis</i> , <i>Copepoda</i> , <i>Glycera lapidum</i> , <i>Nematoda</i> , <i>Urothoe elegans</i> , <i>Grania</i> , <i>Urothoe marina</i> , <i>Nebaliacea</i> , <i>Goodallia triangularis</i> , <i>Timoclea ovata</i> (& live maerl)
Group 2	S10-G02	d	SS.SMp.Mrl	?	Slightly Gravelly Sand	24	<i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Asbjornsenia pygmaea</i> , <i>Copepoda</i> , <i>Dosinia lupinus</i> , <i>Glycera lapidum</i> , <i>Echinocyamus pusillus</i> , <i>Grania</i> , <i>Timoclea ovata</i> , <i>Spisula elliptica</i> (& live maerl)
Group 2	S10-G09	d	SS.SCS.ICS.MoeVen	?	Slightly Gravelly Sand	27.1	<i>Goodallia triangularis</i> , <i>Asbjornsenia pygmaea</i> , <i>Polygordius</i> , <i>Syllis pontxioi</i> , <i>Dosinia</i> (juvenile), <i>Timoclea ovata</i> , <i>Spisula elliptica</i> , <i>Thracia villosiuscula</i> , <i>Glycera lapidum</i> , <i>Aonides paucibranchiata</i>
Group 2	S9-G01	e	SS.SMp.Mrl	?	Sandy Gravel	26.6	<i>Goodallia triangularis</i> , <i>Leptochiton cancellatus</i> , <i>Nematoda</i> , <i>Timoclea ovata</i> , <i>Hesiospina aurantiaca</i> , <i>Gari tellinella</i> , <i>Grania</i> , <i>Leptochiton asellus</i> , <i>Clausinella fasciata</i> , <i>Gibbula tumida</i> (& live maerl)
Group 2	S7-G09	f	SS.SMp.Mrl		Slightly Gravelly Sand	25.9	<i>Asbjornsenia pygmaea</i> , <i>Timoclea ovata</i> , <i>Pista bansei</i> , <i>Mediomastus fragilis</i> , <i>Goodallia triangularis</i> , <i>Dosinia</i> (juvenile), <i>Aponuphis bilineata</i> , <i>Gari tellinella</i> , <i>Chamelea striatula</i> , <i>Gouldia minima</i> (& live maerl)
Group 2	S8-G07	f	SS.SMp.Mrl		Gravelly Sand	28.7	<i>Asbjornsenia pygmaea</i> , <i>Timoclea ovata</i> , <i>Goodallia triangularis</i> , <i>Gari tellinella</i> , <i>Clausinella fasciata</i> , <i>Echinocyamus pusillus</i> , <i>Pista bansei</i> , <i>Copepoda</i> , <i>Thracia villosiuscula</i> , <i>Tryphosella nanoides</i> (& live maerl)
Group 2	S4-G03	g	SS.SMp.Mrl		Gravelly Sand	25.4	<i>Nematoda</i> , <i>Aonides paucibranchiata</i> , <i>Asbjornsenia</i>

Main Group	Sample	SimProf Group	Biotope	Flag	Sediment	Depth m CD	Taxa
							<i>pygmaea</i> , <i>Eulalia mustela</i> , <i>Mediomastus fragilis</i> , <i>Polygordius</i> , <i>Aponuphis bilineata</i> , <i>Gari tellinella</i> , <i>Modiolula phaseolina</i> , <i>Psamathe fusca</i> (& live maerl)
Group 2	S3-G03	h	SS.SMp.Mrl	?	Gravelly Sand	26.5	<i>Asbjornsenia pygmaea</i> , <i>Nematoda</i> , <i>Polygordius</i> , <i>Gari tellinella</i> , <i>Goodallia triangularis</i> , <i>Pisione remota</i> , <i>Dosinia lupinus</i> , <i>Glycera lapidum</i> , <i>Clausinella fasciata</i> , <i>Thracia villosiuscula</i> (& live maerl)
Group 2	S5-G01	h	SS.SMp.Mrl		Sandy Gravel	29	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Copepoda</i> , <i>Gari tellinella</i> , <i>Polygordius</i> , <i>Pisione remota</i> , <i>Asbjornsenia pygmaea</i> , <i>Protodorvillea kefersteini</i> , <i>Timoclea ovata</i> , <i>Syllis licheri</i> (& live maerl)
Group 2	S5-G04	i	SS.SMp.Mrl		Sandy Gravel	29.8	<i>Nematoda</i> , <i>Pisione remota</i> , <i>Syllis pontxioi</i> , <i>Gari tellinella</i> , <i>Goodallia triangularis</i> , <i>Branchiostoma lanceolatum</i> , <i>Polygordius</i> , <i>Clausinella fasciata</i> , <i>Nemertea</i> , <i>Glycera lapidum</i> (& live maerl)
Group 2	S6-G01	i	SS.SMp.Mrl		Sandy Gravel	27.4	<i>Nematoda</i> , <i>Polygordius</i> , <i>Pisione remota</i> , <i>Goodallia triangularis</i> , <i>Socarnes erythrophthalmus</i> , <i>Limatula subauriculata</i> , <i>Thracia villosiuscula</i> , <i>Gouldia minima</i> , <i>Gari tellinella</i> , <i>Timoclea ovata</i> (& live maerl)
Group 2	S4-G01	j	SS.SMp.Mrl		Sandy Gravel	25.5	<i>Nematoda</i> , <i>Polygordius</i> , <i>Pisione remota</i> , <i>Syllis pontxioi</i> , <i>Limatula subauriculata</i> , <i>Gari tellinella</i> , <i>Goodallia triangularis</i> , <i>Dosinia (juvenile)</i> , <i>Syllis parapari</i> , <i>Glycera lapidum</i> (& live maerl)
Group 2	S5-G05	j	SS.SMp.Mrl	?	Sandy Gravel	27.8	<i>Gari tellinella</i> , <i>Polygordius</i> , <i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Syllis</i> , <i>Asbjornsenia pygmaea</i> , <i>Dosinia (juvenile)</i> , <i>Glycera lapidum</i> , <i>Pisione remota</i> , <i>Limatula subauriculata</i> (& live maerl)
Group 2	S5-G06	j	SS.SMp.Mrl		Sandy Gravel	26.7	<i>Nematoda</i> , <i>Polygordius</i> , <i>Goodallia triangularis</i> , <i>Pisione remota</i> , <i>Glycera lapidum</i> , <i>Copepoda</i> , <i>Asbjornsenia pygmaea</i> , <i>Syllis pontxioi</i> , <i>Gari tellinella</i> , <i>Echinocyamus pusillus</i> (& live maerl)
Group 2	S5-G07	j	SS.SMp.Mrl		Sandy Gravel	26.7	<i>Nematoda</i> , <i>Polygordius</i> , <i>Gari tellinella</i> , <i>Glycera lapidum</i> , <i>Pisione remota</i> , <i>Psamathe fusca</i> , <i>Syllis pontxioi</i> , <i>Goodallia triangularis</i> , <i>Syllis parapari</i> , <i>Asbjornsenia pygmaea</i> (& live maerl)
Group 2	S5-G08	j	SS.SMp.Mrl		Sandy Gravel	28.7	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Pisione remota</i> , <i>Polygordius</i> , <i>Syllis parapari</i> , <i>Syllis pontxioi</i> , <i>Timoclea ovata</i> , <i>Gari tellinella</i> , <i>Clausinella fasciata</i> , <i>Nephasoma (Nephasoma) minutum</i> (& live maerl)
Group 2	S6-G07	j	SS.SMp.Mrl		Sandy Gravel	30.4	<i>Gari tellinella</i> , <i>Polygordius</i> , <i>Nematoda</i> , <i>Pisione remota</i> , <i>Goodallia triangularis</i> , <i>Limatula subauriculata</i> , <i>Asbjornsenia pygmaea</i> , <i>Spisula elliptica</i> , <i>Psamathe fusca</i> , <i>Syllis pontxioi</i> (& live maerl)
Group 2	S6-G09	j	SS.SMp.Mrl		Sandy Gravel	28.4	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Gari tellinella</i> , <i>Pisione remota</i> , <i>Polygordius</i> , <i>Dosinia (juvenile)</i> , <i>Asbjornsenia pygmaea</i> , <i>Glycera lapidum</i> , <i>Amphipholis squamata</i> ,

Main Group	Sample	SimProf Group	Biotope	Flag	Sediment	Depth m CD	Taxa
							<i>Timoclea ovata</i> (& live maerl)
Group 2	S8-G01	j	SS.SMp.Mrl		Sandy Gravel	25.6	<i>Gari tellinella</i> , <i>Nematoda</i> , <i>Asbjornsenia pygmaea</i> , <i>Syllis parapari</i> , <i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Copepoda</i> , <i>Pisione remota</i> , <i>Protodorvillea kefersteini</i> , <i>Syllis pontxioi</i> (& live maerl)
Group 2	S8-G03	j	SS.SCS.ICS.MoeVen	?	Gravelly Sand	27.6	<i>Nematoda</i> , <i>Gari tellinella</i> , <i>Asbjornsenia pygmaea</i> , <i>Pisione remota</i> , <i>Timoclea ovata</i> , <i>Syllis parapari</i> , <i>Limatula subauriculata</i> , <i>Polygordius</i> , <i>Goodallia triangularis</i> , <i>Dosinia exoleta</i>
Group 2	S8-G09	j	SS.SCS.ICS.MoeVen	?	Gravelly Sand	27.9	<i>Asbjornsenia pygmaea</i> , <i>Nematoda</i> , <i>Gari tellinella</i> , <i>Hydroides norvegica</i> , <i>Polygordius</i> , <i>Protodorvillea kefersteini</i> , <i>Pisione remota</i> , <i>Syllis parapari</i> , <i>Copepoda</i> , <i>Glycera lapidum</i> (& live maerl)
Group 2	S10-G01	j	SS.SMp.Mrl		Gravelly Sand	22.9	<i>Nematoda</i> , <i>Syllis pontxioi</i> , <i>Gari tellinella</i> , <i>Pisione remota</i> , <i>Glycera lapidum</i> , <i>Trypanosyllis (Trypanosyllis) coeliaca</i> , <i>Polygordius</i> , <i>Syllis parapari</i> , <i>Copepoda</i> , <i>Asbjornsenia pygmaea</i> (& live maerl)
Group 2	S10-G03	j	SS.SMp.Mrl	?	Gravelly Sand	24	<i>Asbjornsenia pygmaea</i> , <i>Nematoda</i> , <i>Copepoda</i> , <i>Glycera lapidum</i> , <i>Timoclea ovata</i> , <i>Pisione remota</i> , <i>Dosinia exoleta</i> , <i>Syllis pontxioi</i> , <i>Dosinia (juvenile)</i> , <i>Goodallia triangularis</i> (& live maerl)
Group 2	S10-G04	j	SS.SCS.ICS.MoeVen	?	Sandy Gravel	23.1	<i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Nematoda</i> , <i>Syllis pontxioi</i> , <i>Syllis parapari</i> , <i>Grania</i> , <i>Glycera lapidum</i> , <i>Pisione remota</i> , <i>Gari tellinella</i> , <i>Copepoda</i> (& live maerl)
Group 2	S10-G06	j	SS.SCS.ICS.MoeVen	?	Gravelly Sand	25.1	<i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Asbjornsenia pygmaea</i> , <i>Copepoda</i> , <i>Timoclea ovata</i> , <i>Glycera lapidum</i> , <i>Nematoda</i> , <i>Gari tellinella</i> , <i>Nototropis falcatus</i> , <i>Echinocyamus pusillus</i>
Group 2	S10-G07	j	SS.SMp.Mrl	?	Gravelly Sand	26.1	<i>Nematoda</i> , <i>Asbjornsenia pygmaea</i> , <i>Goodallia triangularis</i> , <i>Grania</i> , <i>Glycera lapidum</i> , <i>Pisione remota</i> , <i>Syllis pontxioi</i> , <i>Gari tellinella</i> , <i>Syllis parapari</i> , <i>Echinocyamus pusillus</i> (& live maerl)
Group 2	S10-G08	j	SS.SCS.ICS.MoeVen	?	Slightly Gravelly Sand	26.1	<i>Polygordius</i> , <i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Asbjornsenia pygmaea</i> , <i>Timoclea ovata</i> , <i>Pisione remota</i> , <i>Echinocyamus pusillus</i> , <i>Glycera lapidum</i> , <i>Syllis parapari</i> , <i>Modiolula phaseolina</i>
Group 2	S2-G03	k	SS.SMp.Mrl		Gravelly Sand	29.1	<i>Nematoda</i> , <i>Aurospio banyulensis</i> , <i>Aonides paucibranchiata</i> , <i>Mediomastus fragilis</i> , <i>Timoclea ovata</i> , <i>Gari tellinella</i> , <i>Dialycone dunerificta</i> , <i>Balanus balanus</i> , <i>Clausinella fasciata</i> , <i>Psamathe fusca</i> (& live maerl)
Group 2	S2-G09	k	SS.SCS.ICS.MoeVen	?	Gravelly Sand	26.7	<i>Nematoda</i> , <i>Asbjornsenia pygmaea</i> , <i>Polygordius</i> , <i>Grania</i> , <i>Goodallia triangularis</i> , <i>Modiolula phaseolina</i> , <i>Dialycone dunerificta</i> , <i>Timoclea ovata</i> , <i>Protodorvillea kefersteini</i> , <i>Sphaerosyllis bulbosa</i> (& live maerl)
Group 2	S2-G05	l	SS.SMp.Mrl	?	Gravelly Sand	27	<i>Nematoda</i> , <i>Polygordius</i> , <i>Syllis parapari</i> , <i>Echinocyamus pusillus</i> , <i>Glycera lapidum</i> , <i>Aonides paucibranchiata</i> , <i>Aponuphis</i>

Main Group	Sample	SimProf Group	Biotope	Flag	Sediment	Depth m CD	Taxa
							<i>bilineata</i> , <i>Gari tellinella</i> , <i>Asbjornsenia pygmaea</i> , <i>Timoclea ovata</i> (& live maerl)
Group 2	S2-G07	l	SS.SMp.Mrl	?	Gravelly Sand	33.8	<i>Nematoda</i> , <i>Asbjornsenia pygmaea</i> , <i>Clausinella fasciata</i> , <i>Modiolula phaseolina</i> , <i>Gari tellinella</i> , <i>Grania</i> , <i>Branchiostoma lanceolatum</i> , <i>Goodallia triangularis</i> , <i>Oweniidae</i> (juvenile/damaged), <i>Hydroides norvegica</i> (& live maerl)
Group 2	S8-G08	m	SS.SMp.Mrl	?	Gravelly Sand	28.8	<i>Nematoda</i> , <i>Polygordius</i> , <i>Gari tellinella</i> , <i>Syllis parapari</i> , <i>Goodallia triangularis</i> , <i>Pisione remota</i> , <i>Asbjornsenia pygmaea</i> , <i>Dosinia</i> (juvenile), <i>Polycirrus</i> , <i>Timoclea ovata</i> (& live maerl)
Group 2	S7-G06	n	SS.SMp.Mrl	?	Gravelly Sand	15.8	<i>Nematoda</i> , <i>Mediomastus fragilis</i> , <i>Dosinia</i> (juvenile), <i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Modiolula phaseolina</i> , <i>Syllis pontxioi</i> , <i>Asbjornsenia pygmaea</i> , <i>Timoclea ovata</i> , <i>Urothoe elegans</i> (& live maerl)
Group 2	S7-G08	n	SS.SMp.Mrl		Gravelly Sand	26.9	<i>Nematoda</i> , <i>Syllis parapari</i> , <i>Polygordius</i> , <i>Gari tellinella</i> , <i>Asbjornsenia pygmaea</i> , <i>Pisione remota</i> , <i>Nemertea</i> , <i>Leptocheirus hirsutimanus</i> , <i>Notomastus</i> , <i>Goodallia triangularis</i> (& live maerl)
Group 2	S7-G07	o	SS.SMp.Mrl		Gravelly Sand	22.8	<i>Polygordius</i> , <i>Nematoda</i> , <i>Gari tellinella</i> , <i>Asbjornsenia pygmaea</i> , <i>Timoclea ovata</i> , <i>Dosinia</i> (juvenile), <i>Syllis parapari</i> , <i>Syllis pontxioi</i> , <i>Polycirrus</i> , <i>Echinocyamus pusillus</i> (& live maerl)
Group 2	Z3	o	SS.SMp.Mrl		Sandy Gravel	17.3	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Timoclea ovata</i> , <i>Polygordius</i> , <i>Socarnes erythrophthalmus</i> , <i>Gari tellinella</i> , <i>Syllis parapari</i> , <i>Clausinella fasciata</i> , <i>Glycera lapidum</i> , <i>Dosinia</i> (juvenile) (& live maerl)
Group 2	S4-G05	p	SS.SMp.Mrl		Sandy Gravel	28.2	<i>Nematoda</i> , <i>Mediomastus fragilis</i> , <i>Gouldia minima</i> , <i>Timoclea ovata</i> , <i>Goodallia triangularis</i> , <i>Modiolula phaseolina</i> , <i>Echinocyamus pusillus</i> , <i>Grania</i> , <i>Polygordius</i> , <i>Thracia villosiuscula</i> (& live maerl)
Group 2	S9-G03	q	SS.SMp.Mrl	?	Sandy Gravel	26.6	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Gari tellinella</i> , <i>Grania</i> , <i>Polygordius</i> , <i>Thracia villosiuscula</i> , <i>Limatula subauriculata</i> , <i>Venus casina</i> , <i>Pisione remota</i> , <i>Copepoda</i> (& live maerl)
Group 2	Z4	r	SS.SMp.Mrl		Sandy Gravel	24.3	<i>Goodallia triangularis</i> , <i>Gari tellinella</i> , <i>Socarnes erythrophthalmus</i> , <i>Timoclea ovata</i> , <i>Nematoda</i> , <i>Polygordius</i> , <i>Limatula subauriculata</i> , <i>Leptochiton cancellatus</i> , <i>Animoceradocus semiserratus</i> , <i>Modiolula phaseolina</i> (& live maerl)
Group 2	S4-G04	s	SS.SMp.Mrl		Sandy Gravel	26.3	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Timoclea ovata</i> , <i>Asbjornsenia pygmaea</i> , <i>Gouldia minima</i> , <i>Grania</i> , <i>Clausinella fasciata</i> , <i>Echinocyamus pusillus</i> , <i>Edwardsia claparedii</i> , <i>Dosinia</i> (juvenile) (& live maerl)
Group 2	S2-G06	t	SS.SMp.Mrl		Sandy Gravel	29.9	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Timoclea ovata</i> , <i>Dosinia</i> (juvenile), <i>Asbjornsenia pygmaea</i> , <i>Glycymeris glycymeris</i> , <i>Dialychone dunerificta</i> , <i>Gouldia minima</i> , <i>Parvicardium pinnulatum</i> , <i>Gari tellinella</i> (& live

Main Group	Sample	SimProf Group	Biotope	Flag	Sediment	Depth m CD	Taxa
							maerl)
Group 2	S3-G02	t	SS.SMp.Mrl		Sandy Gravel	27.6	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Socarnes erythrophthalmus</i> , <i>Chamelea striatula</i> , <i>Polygordius</i> , <i>Grania</i> , <i>Spirobranchus triqueter</i> , <i>Modiolula phaseolina</i> , <i>Balanus balanus</i> , <i>Timoclea ovata</i> (& live maerl)
Group 2	S4-G07	t	SS.SMp.Mrl		Sandy Gravel	28.1	<i>Goodallia triangularis</i> , <i>Gouldia minima</i> , <i>Timoclea ovata</i> , <i>Nematoda</i> , <i>Animoceraadocus semiserratus</i> , <i>Mediomastus fragilis</i> , <i>Leptochiton cancellatus</i> , <i>Clausinella fasciata</i> , <i>Leptochiton asellus</i> , <i>Protodorvillea kefersteini</i> (& live maerl)
Group 2	Z2	t	SS.SMp.Mrl		Sandy Gravel	26.3	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Spirobranchus triqueter</i> , <i>Clausinella fasciata</i> , <i>Lysianassa plumosa</i> , <i>Timoclea ovata</i> , <i>Leptochiton cancellatus</i> , <i>Polygordius</i> , <i>Modiolula phaseolina</i> , <i>Echinocyamus pusillus</i> (& live maerl)
Group 2	Z5	t	SS.SMp.Mrl		Sandy Gravel	28.3	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Polygordius</i> , <i>Clausinella fasciata</i> , <i>Chamelea striatula</i> , <i>Gouldia minima</i> , <i>Echinocyamus pusillus</i> , <i>Gari tellinella</i> , <i>Grania</i> , <i>Timoclea ovata</i> (& live maerl)
Group 2	S9-G09	u	SS.SMp.Mrl	?	Sandy Gravel	30.8	<i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Animoceraadocus semiserratus</i> , <i>Nematoda</i> , <i>Gari tellinella</i> , <i>Clausinella fasciata</i> , <i>Pisione remota</i> , <i>Ophiuroidea (juvenile)</i> , <i>Sphaerosyllis bulbosa</i> , <i>Dosinia (juvenile)</i> (& live maerl)
Group 2	S5-G02	v	SS.SMp.Mrl		Sandy Gravel	26	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Timoclea ovata</i> , <i>Asbjornsenia pygmaea</i> , <i>Polygordius</i> , <i>Echinocyamus pusillus</i> , <i>Dosinia (juvenile)</i> , <i>Syllis pontxioi</i> , <i>Gouldia minima</i> , <i>Copepoda</i> (& live maerl)
Group 2	S6-G04	v	SS.SMp.Mrl		Sandy Gravel	24.4	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Polygordius</i> , <i>Echinocyamus pusillus</i> , <i>Limatula subauriculata</i> , <i>Dosinia (juvenile)</i> , <i>Gouldia minima</i> , <i>Clausinella fasciata</i> , <i>Pareurythoe borealis</i> , <i>Pisione remota</i> (& live maerl)
Group 2	S6-G05	v	SS.SMp.Mrl		Gravelly Sand	28.4	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Pisione remota</i> , <i>Gari tellinella</i> , <i>Dosinia (juvenile)</i> , <i>Limatula subauriculata</i> , <i>Socarnes erythrophthalmus</i> , <i>Animoceraadocus semiserratus</i> , <i>Sphaerosyllis bulbosa</i> (& live maerl)
Group 2	S5-G03	w	SS.SMp.Mrl		Gravel	29	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Gouldia minima</i> , <i>Timoclea ovata</i> , <i>Polygordius</i> , <i>Venus casina</i> , <i>Clausinella fasciata</i> , <i>Gari tellinella</i> , <i>Alvania punctura</i> , <i>Pareurythoe borealis</i> (& live maerl)
Group 2	S6-G02	w	SS.SMp.Mrl		Sandy Gravel	26.4	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Gari tellinella</i> , <i>Gouldia minima</i> , <i>Polygordius</i> , <i>Pisione remota</i> , <i>Timoclea ovata</i> , <i>Limatula subauriculata</i> , <i>Socarnes erythrophthalmus</i> , <i>Animoceraadocus semiserratus</i> (& live maerl)
Group 2	S6-G03	x	SS.SMp.Mrl		Sandy Gravel	28.4	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Socarnes erythrophthalmus</i> , <i>Gouldia minima</i> , <i>Timoclea ovata</i> , <i>Clausinella fasciata</i> , <i>Echinocyamus pusillus</i> ,

Main Group	Sample	SimProf Group	Biotope	Flag	Sediment	Depth m CD	Taxa
							<i>Pareurythoe borealis</i> , <i>Animoceradocus semiserratus</i> , <i>Lacydonia miranda</i> (& live maerl)
Group 2	S6-G06	x	SS.SMp.Mrl		Sandy Gravel	26.4	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Polygordius</i> , <i>Gouldia minima</i> , <i>Socarnes erythropthalmus</i> , <i>Pareurythoe borealis</i> , <i>Pisione remota</i> , <i>Limatula subauriculata</i> , <i>Timoclea ovata</i> , <i>Gari tellinella</i> (& live maerl)
Group 2	S2-G08	y	SS.SCS.ICS.MoeVen	?	Gravelly Sand	22.8	<i>Goodallia triangularis</i> , <i>Asbjornsenia pygmaea</i> , <i>Nematoda</i> , <i>Polygordius</i> , <i>Gari tellinella</i> , <i>Pisione remota</i> , <i>Clausinella fasciata</i> , <i>Echinocyamus pusillus</i> , <i>Gouldia minima</i> , <i>Timoclea ovata</i>
Group 2	S3-G07	y	SS.SMp.Mrl		Sandy Gravel	26.3	<i>Nematoda</i> , <i>Polygordius</i> , <i>Pisione remota</i> , <i>Goodallia triangularis</i> , <i>Syllis pontxioi</i> , <i>Glycera lapidum</i> , <i>Gouldia minima</i> , <i>Dialychone dunerificta</i> , <i>Spirobranchus triqueter</i> , <i>Dosinia (juvenile)</i> (& live maerl)
Group 2	S4-G02	y	SS.SMp.Mrl		Sandy Gravel	25.4	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Asbjornsenia pygmaea</i> , <i>Gari tellinella</i> , <i>Timoclea ovata</i> , <i>Grania</i> , <i>Veneridae (juvenile)</i> , <i>Clausinella fasciata</i> , <i>Psamathe fusca</i> , <i>Dosinia (juvenile)</i> (& live maerl)
Group 2	S4-G06	y	SS.SMp.Mrl		Sandy Gravel	26.2	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Asbjornsenia pygmaea</i> , <i>Clausinella fasciata</i> , <i>Timoclea ovata</i> , <i>Dosinia (juvenile)</i> , <i>Polygordius</i> , <i>Gouldia minima</i> , <i>Limatula subauriculata</i> , <i>Modiolula phaseolina</i> (& live maerl)
Group 2	S4-G09	y	SS.SMp.Mrl		Gravelly Sand	24.9	<i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Nematoda</i> , <i>Asbjornsenia pygmaea</i> , <i>Pisione remota</i> , <i>Gari tellinella</i> , <i>Nephasoma (Nephasoma) minutum</i> , <i>Syllis parapari</i> , <i>Branchiostoma lanceolatum</i> , <i>Glycera lapidum</i> (& live maerl)
Group 2	S5-G10	y	SS.SMp.Mrl		Gravelly Sand	26.6	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Asbjornsenia pygmaea</i> , <i>Gari tellinella</i> , <i>Pisione remota</i> , <i>Syllis pontxioi</i> , <i>Dosinia (juvenile)</i> , <i>Glycera lapidum</i> , <i>Syllis</i> (& live maerl)
Group 2	S6-G08	y	SS.SMp.Mrl		Sandy Gravel	28.4	<i>Modiolula phaseolina</i> , <i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Gari tellinella</i> , <i>Polygordius</i> , <i>Dosinia (juvenile)</i> , <i>Sphaerosyllis bulbosa</i> , <i>Musculus subpictus</i> , <i>Timoclea ovata</i> , <i>Asbjornsenia pygmaea</i> (& live maerl)
Group 2	S8-G02	y	SS.SCS.ICS.MoeVen	?	Sandy Gravel	20.6	<i>Nematoda</i> , <i>Goodallia triangularis</i> , <i>Polygordius</i> , <i>Gari tellinella</i> , <i>Timoclea ovata</i> , <i>Socarnes erythropthalmus</i> , <i>Syllis parapari</i> , <i>Clausinella fasciata</i> , <i>Syllis pontxioi</i> , <i>Asbjornsenia pygmaea</i>
Group 2	S8-G04	y	SS.SMp.Mrl	?	Gravelly Sand	28.6	<i>Nematoda</i> , <i>Gari tellinella</i> , <i>Timoclea ovata</i> , <i>Asbjornsenia pygmaea</i> , <i>Echinocyamus pusillus</i> , <i>Polygordius</i> , <i>Clausinella fasciata</i> , <i>Dosinia (juvenile)</i> , <i>Syllis pontxioi</i> , <i>Limatula subauriculata</i> (& live maerl)
Group 2	S9-G10	y	SS.SMp.Mrl		Sandy Gravel	28.8	<i>Goodallia triangularis</i> , <i>Nematoda</i> , <i>Branchiostoma lanceolatum</i> , <i>Gari tellinella</i> , <i>Asbjornsenia pygmaea</i> , <i>Syllis parapari</i> , <i>Timoclea ovata</i> , <i>Clausinella fasciata</i> , <i>Glycera lapidum</i> , <i>Copepoda</i> (& live maerl)
Group	Z1	y	SS.SMp.Mrl	?	Sandy	26.3	<i>Gari tellinella</i> , <i>Nematoda</i> , <i>Goodallia</i>

Main Group	Sample	SimProf Group	Biotope	Flag	Sediment	Depth m CD	Taxa
2					Gravel		<i>triangularis</i> , <i>Polygordius</i> , <i>Timoclea ovata</i> , <i>Syllis</i> , <i>Clausinella fasciata</i> , <i>Amphipholis squamata</i> , <i>Limatula subauriculata</i> , <i>Dosinia (juvenile)</i> (& live maerl)
Group 3	S2-G01	z	SS.SCS.CCS.MedLumVen	?	Gravelly Sand	25.1	<i>Mediomastus fragilis</i> , <i>Modiolula phaseolina</i> , <i>Gouldia minima</i> , <i>Aponuphis bilineata</i> , <i>Timoclea ovata</i> , <i>Urothoe elegans</i> , <i>Parvicardium pinnulatum</i> , <i>Nematoda</i> , <i>Aonides paucibranchiata</i> , <i>Balanus balanus</i>
Group 3	S2-G02	z	SS.SMp.Mrl	?	Gravelly Sand	29.1	<i>Mediomastus fragilis</i> , <i>Timoclea ovata</i> , <i>Clausinella fasciata</i> , <i>Echinocyamus pusillus</i> , <i>Gouldia minima</i> , <i>Aponuphis bilineata</i> , <i>Abra alba</i> , <i>Galathowenia oculata</i> , <i>Verruca stroemia</i> , <i>Gari tellinella</i> (& live maerl)
Group 3	S2-G04	z	SS.SCS.CCS.MedLumVen	?	Gravelly Sand	42	<i>Verruca stroemia</i> , <i>Aponuphis bilineata</i> , <i>Chaetozone zetlandica</i> , <i>Edwardsiidae</i> , <i>Balanus balanus</i> , <i>Modiolula phaseolina</i> , <i>Glycera lapidum</i> , <i>Aglaophamus agilis</i> , <i>Ampelisca brevicornis</i> , <i>Timoclea ovata</i>
Group 3	S3-G01	z	SS.SCS.CCS.MedLumVen	?	Slightly Gravelly Sand	26.7	<i>Mediomastus fragilis</i> , <i>Modiolula phaseolina</i> , <i>Asbjornsenia pygmaea</i> , <i>Onoba semicostata</i> , <i>Grania</i> , <i>Echinocyamus pusillus</i> , <i>Nematoda</i> , <i>Glycera lapidum</i> , <i>Parvicardium pinnulatum</i> , <i>Timoclea ovata</i>
Group 3	S3-G06	z	SS.SMp.Mrl	?	Slightly Gravelly Sand	24.4	<i>Mediomastus fragilis</i> , <i>Urothoe elegans</i> , <i>Tmetonyx similis</i> , <i>Dosinia (juvenile)</i> , <i>Glycera lapidum</i> , <i>Galathowenia oculata</i> , <i>Owenia fusiformis</i> , <i>Copepoda</i> , <i>Scoloplos armiger</i> , <i>Ampelisca brevicornis</i> (& live maerl)
Group 3	S4-G08	z	SS.SCS.CCS.MedLumVen	?	Slightly Gravelly Sand	26.1	<i>Urothoe elegans</i> , <i>Nematoda</i> , <i>Mediomastus fragilis</i> , <i>Dosinia (juvenile)</i> , <i>Echinocyamus pusillus</i> , <i>Timoclea ovata</i> , <i>Copepoda</i> , <i>Harpinia antennaria</i> , <i>Abra prismatica</i> , <i>Asbjornsenia pygmaea</i> (& live maerl)
Group 3	S4-G10	z	SS.SMp.Mrl		Gravelly Sand	26.8	<i>Goodallia triangularis</i> , <i>Echinocyamus pusillus</i> , <i>Mediomastus fragilis</i> , <i>Asbjornsenia pygmaea</i> , <i>Urothoe elegans</i> , <i>Gouldia minima</i> , <i>Pista bansei</i> , <i>Cochlodesma praetenuae</i> , <i>Aricidea (Acmira) cerrutii</i> , <i>Copepoda</i> (& live maerl)
Group 3	S5-G09	z	SS.SCS.CCS.MedLumVen	?	Gravelly Sand	27.6	<i>Mediomastus fragilis</i> , <i>Nematoda</i> , <i>Scoloplos armiger</i> , <i>Timoclea ovata</i> , <i>Glycera lapidum</i> , <i>Syllis parapari</i> , <i>Aonides paucibranchiata</i> , <i>Aponuphis bilineata</i> , <i>Gari tellinella</i> , <i>Lysidice unicornis</i>
Group 3	S8-G06	z	SS.SCS.CCS.MedLumVen	?	Slightly Gravelly Sand	27.6	<i>Copepoda</i> , <i>Mediomastus fragilis</i> , <i>Asbjornsenia pygmaea</i> , <i>Urothoe elegans</i> , <i>Modiolula phaseolina</i> , <i>Timoclea ovata</i> , <i>Pista bansei</i> , <i>Parvicardium pinnulatum</i> , <i>Hiatella arctica</i> , <i>Gari tellinella</i>
Group 4	S3-G04	aa	SS.SCS.ICS.MoeVen	?	Gravelly Sand	26.5	<i>Echinocyamus pusillus</i> , <i>Timoclea ovata</i> , <i>Dosinia lupinus</i> , <i>Exogone verugera</i> , <i>Goodallia triangularis</i> , <i>Asbjornsenia pygmaea</i> , <i>Glycera lapidum</i> , <i>Abra prismatica</i> , <i>Cochlodesma praetenuae</i> , <i>Thracia villosiuscula</i>

Main Group	Sample	SimProf Group	Biotope	Flag	Sediment	Depth m CD	Taxa
Group 4	S3-G05	aa	SS.SCS.ICS.MoeVen	?	Gravelly Sand	26.4	<i>Dosinia lupinus</i> , <i>Echinocyamus pusillus</i> , <i>Chamelea striatula</i> , <i>Cochlodesma praetenuae</i> , <i>Bathyporeia pelagica</i> , <i>Amphiura chiajei</i> , <i>Abra prismatica</i> , <i>Turritella communis</i> , <i>Lumbrineridae</i> , <i>Armandia polyophtalma</i>
Group 4	S8-G05	ab	SS.SCS.ICS.MoeVen	?	Gravelly Sand	28.6	<i>Timoclea ovata</i> , <i>Echinocyamus pusillus</i> , <i>Dosinia lupinus</i> , <i>Goodallia triangularis</i> , <i>Crenella decussata</i> , <i>Asbjornsenia pygmaea</i> , <i>Gari tellinella</i> , <i>Venus casina</i> , <i>Abra prismatica</i> , <i>Arctica islandica (juvenile)</i>
Group 4	S9-G02	ab	SS.SCS.ICS.MoeVen	?	Slightly Gravelly Sand	27.6	<i>Cochlodesma praetenuae</i> , <i>Crenella decussata</i> , <i>Dosinia lupinus</i> , <i>Asbjornsenia pygmaea</i> , <i>Echinocyamus pusillus</i> , <i>Goodallia triangularis</i> , <i>Pista cristata</i> , <i>Copepoda</i> , <i>Timoclea ovata</i> , <i>Gari tellinella</i>
Group 4	S9-G04	ab	SS.SCS.ICS.MoeVen	?	Slightly Gravelly Sand	26.6	<i>Goodallia triangularis</i> , <i>Asbjornsenia pygmaea</i> , <i>Echinocyamus pusillus</i> , <i>Crenella decussata</i> , <i>Timoclea ovata</i> , <i>Cochlodesma praetenuae</i> , <i>Arctica islandica (juvenile)</i> , <i>Dosinia lupinus</i> , <i>Aponuphis bilineata</i> , <i>Nephtys cirrosa</i>
Group 4	S9-G05	ab	SS.SCS.ICS.MoeVen	?	Slightly Gravelly Sand	26.7	<i>Asbjornsenia pygmaea</i> , <i>Cochlodesma praetenuae</i> , <i>Goodallia triangularis</i> , <i>Crenella decussata</i> , <i>Echinocyamus pusillus</i> , <i>Timoclea ovata</i> , <i>Copepoda</i> , <i>Nephtys cirrosa</i> , <i>Dosinia lupinus</i> , <i>Arctica islandica (juvenile)</i>
Group 4	S9-G06	ac	SS.SCS.ICS.MoeVen	?	Slightly Gravelly Sand	27.7	<i>Asbjornsenia pygmaea</i> , <i>Crenella decussata</i> , <i>Goodallia triangularis</i> , <i>Dosinia (juvenile)</i> , <i>Timoclea ovata</i> , <i>Thracia villosiuscula</i> , <i>Echinocyamus pusillus</i> , <i>Copepoda</i> , <i>Spisula (juvenile)</i> , <i>Ammodytes marinus</i>
Group 4	S9-G07	ac	SS.SCS.ICS.MoeVen	?	Slightly Gravelly Sand	29.7	<i>Asbjornsenia pygmaea</i> , <i>Goodallia triangularis</i> , <i>Timoclea ovata</i> , <i>Thracia villosiuscula</i> , <i>Crenella decussata</i> , <i>Echinocyamus pusillus</i> , <i>Cochlodesma praetenuae</i> , <i>Parexogone hebes</i> , <i>Pista bansei</i> , <i>Chamelea striatula</i>
Group 4	S9-G08	ac	SS.SCS.ICS.MoeVen	?	Slightly Gravelly Sand	30.7	<i>Asbjornsenia pygmaea</i> , <i>Goodallia triangularis</i> , <i>Echinocyamus pusillus</i> , <i>Timoclea ovata</i> , <i>Nephtys kersivalensis</i> , <i>Cochlodesma praetenuae</i> , <i>Thracia villosiuscula</i> , <i>Edwardsia claparedii</i> , <i>Crenella decussata</i> , <i>Aonides paucibranchiata</i>
Group 4	S10-G05	ac	SS.SCS.ICS.MoeVen	?	Slightly Gravelly Sand	23	<i>Asbjornsenia pygmaea</i> , <i>Thracia villosiuscula</i> , <i>Goodallia triangularis</i> , <i>Timoclea ovata</i> , <i>Crenella decussata</i> , <i>Echinocyamus pusillus</i> , <i>Dosinia (juvenile)</i> , <i>Cochlodesma praetenuae</i> , <i>Veneridae (juvenile)</i> , <i>Spisula elliptica</i>
Group 5	S11-G01	ad	SS.SSa.OSa.OfusAfil	?	Slightly Gravelly Muddy Sand	35.6	<i>Edwardsia claparedii</i> , <i>Verruca stroemia</i> , <i>Galathowenia oculata</i> , <i>Ampelisca tenuicornis</i> , <i>Amphiura filiformis</i> , <i>Owenia fusiformis</i> , <i>Chaetozone zetlandica</i> , <i>Ophiuroidea (juvenile)</i> , <i>Lumbrineris aniara/cingulata agg.</i> , <i>Polycirrus</i>
Group 5	S11-G02	ad	SS.SSa.OSa.OfusAfil	?	Gravelly Muddy Sand	39.5	<i>Chaetozone zetlandica</i> , <i>Echinocyamus pusillus</i> , <i>Ampelisca typica</i> , <i>Urothoe elegans</i> , <i>Glycera lapidum</i> , <i>Nephtys hombergii</i> , <i>Aurospio banyulensis</i> , <i>Nototropis</i>

Main Group	Sample	SimProf Group	Biotope	Flag	Sediment	Depth m CD	Taxa
							<i>falcatus</i> , Ostracoda, Ophiuroidea (juvenile)
Group 5	S11-G03	ad	SS.SSa.OSa.OfusAfil	?	Slightly Gravelly Muddy Sand	37.4	<i>Galathowenia oculata</i> , <i>Amphiura filiformis</i> , <i>Edwardsia claparedii</i> , <i>Chaetozone zetlandica</i> , <i>Aponuphis bilineata</i> , <i>Owenia fusiformis</i> , <i>Dosinia lupinus</i> , <i>Nephtys kersivalensis</i> , <i>Harmothoe</i> , <i>Syllis</i>
Group 5	S11-G04	ad	SS.SSa.OSa.OfusAfil	?	Slightly Gravelly Muddy Sand	34.3	<i>Amphiura filiformis</i> , <i>Edwardsia claparedii</i> , <i>Oweniidae</i> (juvenile/damaged), <i>Magelona alleni</i> , <i>Lumbrineris</i> , <i>Ophiuroidea</i> (juvenile), <i>Dosinia</i> (juvenile), <i>Kurtiella bidentata</i> , <i>Malmgrenia ljunghmani</i> , <i>Owenia fusiformis</i>
Group 5	S11-G05	ad	SS.SSa.OSa.OfusAfil	?	Slightly Gravelly Muddy Sand	35.3	<i>Edwardsia claparedii</i> , <i>Ampelisca diadema</i> , <i>Myriochele danielsseni</i> , <i>Amphiuridae</i> (juvenile/damaged), <i>Hiatella arctica</i> , <i>Aponuphis bilineata</i> , <i>Malmgrenia</i> (juvenile/damaged), <i>Copepoda</i> , <i>Turritella communis</i> , <i>Galathowenia oculata</i>
Group 5	S11-G06	ad	SS.SSa.OSa.OfusAfil	?	Slightly Gravelly Muddy Sand	36.2	<i>Edwardsia claparedii</i> , <i>Copepoda</i> , <i>Oweniidae</i> (juvenile/damaged), <i>Diplocirrus glaucus</i> , <i>Glycera lapidum</i> , <i>Asciacea</i> (juvenile), <i>Phoronis</i> , <i>Lumbrineridae</i> , <i>Aponuphis bilineata</i> , <i>Ampelisca typica</i>
Group 5	S11-G07	ad	SS.SSa.OSa.OfusAfil	?	Slightly Gravelly Muddy Sand	35.6	<i>Edwardsia claparedii</i> , <i>Asciacea</i> (juvenile), <i>Galathowenia oculata</i> , <i>Amphiura filiformis</i> , <i>Oweniidae</i> (juvenile/damaged), <i>Ampelisca tenuicornis</i> , <i>Glycera lapidum</i> , <i>Aglaophamus agilis</i> , <i>Polycirrus</i> , <i>Magelona alleni</i>
Group 5	S11-G08	ad	SS.SSa.OSa.OfusAfil	?	Gravelly Muddy Sand	37.6	<i>Edwardsia claparedii</i> , <i>Chaetozone zetlandica</i> , <i>Goniada maculata</i> , <i>Copepoda</i> , <i>Ampelisca typica</i> , <i>Oweniidae</i> (juvenile/damaged), <i>Ampelisca</i> (juvenile/damaged), <i>Antalis entalis</i> , <i>Nemertea</i> , <i>Glycera lapidum</i>
Group 5	S11-G09	ad	SS.SSa.OSa.OfusAfil	?	Slightly Gravelly Muddy Sand	36.5	<i>Edwardsia claparedii</i> , <i>Galathowenia oculata</i> , <i>Chaetozone zetlandica</i> , <i>Asciacea</i> (juvenile), <i>Amphiura filiformis</i> , <i>Mediomastus fragilis</i> , <i>Ampelisca typica</i> , <i>Antalis entalis</i> , <i>Aponuphis bilineata</i> , <i>Copepoda</i>
Group 5	S11-G10	ad	SS.SSa.OSa.OfusAfil	?	Slightly Gravelly Muddy Sand	37.5	<i>Copepoda</i> , <i>Edwardsia claparedii</i> , <i>Galathowenia oculata</i> , <i>Nephtys hombergii</i> , <i>Oweniidae</i> (juvenile/damaged), <i>Verruca stroemia</i> , <i>Amphiura filiformis</i> , <i>Antalis entalis</i> , <i>Lumbrineridae</i> , <i>Polycirrus</i>
Group 6	S7-G01	ae	SS.SCS.CCS	?	Slightly Gravelly Sand	26.4	<i>Turritella communis</i> , <i>Clausinella fasciata</i> , <i>Urothoe elegans</i> , <i>Edwardsia claparedii</i> , <i>Dosinia</i> (juvenile), <i>Diplocirrus glaucus</i> , <i>Abra nitida</i> , <i>Owenia fusiformis</i> , <i>Prionospio fallax</i> , <i>Ampelisca</i> (juvenile/damaged) (& live maerl)
Group 6	S7-G03	ae	SS.SCS.CCS	?	Slightly Gravelly Sand	27.5	<i>Chamelea striatula</i> , <i>Turritella communis</i> , <i>Dosinia lupinus</i> , <i>Harpinia antennaria</i> , <i>Urothoe elegans</i> , <i>Diplocirrus glaucus</i> , <i>Hydroides norvegica</i> , <i>Magelona alleni</i> , <i>Spio symphyta</i> , <i>Edwardsia</i>

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