With respect to numbers of individuals the beam trawl stations within the development and impact zone produced the greater number of fish (ranging from 17 – 73 individuals) when compared to the control stations (Figure 54) and in particular sites BT 1 and BT 2. A somewhat lower fish abundance was observed at the control stations, with the number of fish captured per beam trawl sample ranging from 8 to 24.

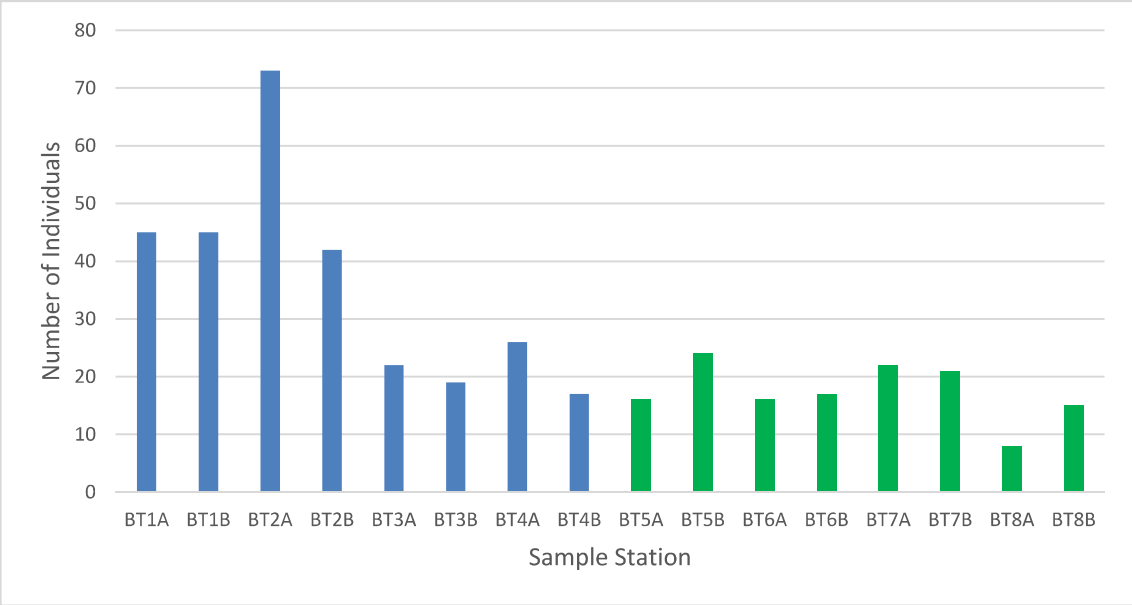


Figure 54. Fish abundance for beam trawls.

Within macro-tidal estuaries such as the Humber, fish species may often be designated into an ecological guild, which describes its functioning within the water body in relation to its lifestage, reproductive status and nutritional requirements. The species of fish recorded during the beam trawl survey have been assigned to three dominant ecological guilds namely marine adventitious (MA), marine juvenile migrants (MJ) and estuarine residents (ER). Five species of fish were described as estuarine residents (Dover sole, flounder, common and sand gobies and Nilsson's pipefish), there were 3 species of marine juvenile migrants (sprat, Pleuronectidae juveniles and plaice), with 3 marine adventitious species (pogge, common sea snail and Montagu's sea snail). No freshwater species were recorded and one catadromous taxa was captured during survey (eel).

Figure 55 illustrates the percentage occurrence of individual ecological guilds within the fish assemblage, and which shows that throughout the study area estuarine residents are the dominant guild. With the exception of sampling station BT4b and BT1B which lacked marine juvenile migrants, estuarine residents and to a lesser extent marine juvenile migrants and marine adventitious species are representative of the guilds recorded within the developmental impact zone. At the control sampling stations, marine adventitious species are less common and estuarine residents still dominate the assemblage followed by marine juvenile migrants. One catadromous species was recorded at station BT7B

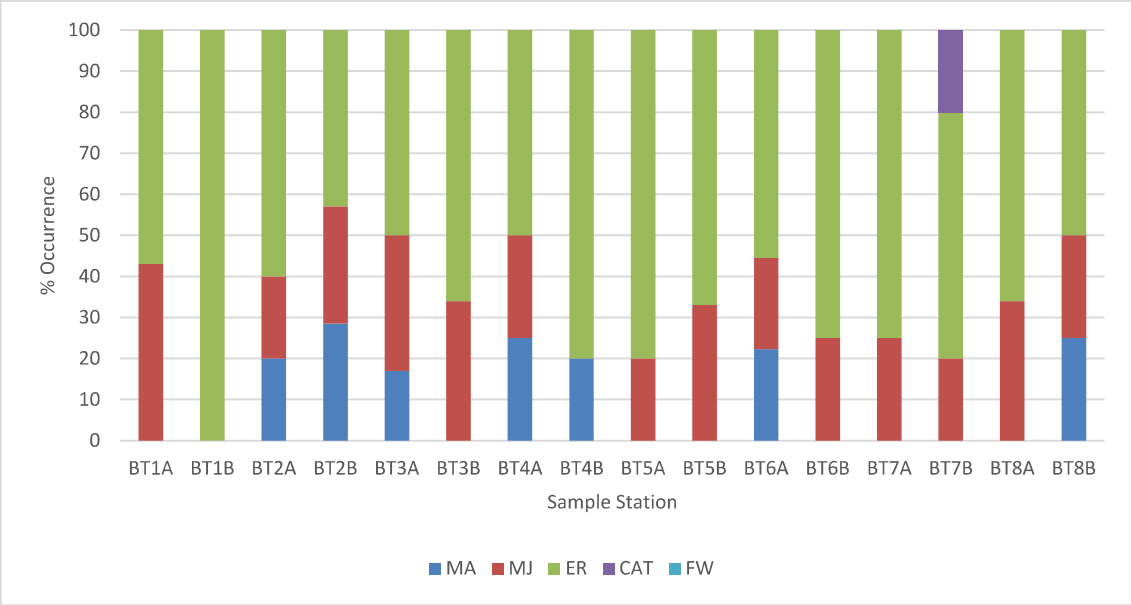


Figure 55. Distribution of fish species within ecological guilds for individual beam trawl stations.

Data collated for fish abundance and analysed by ecological guild shows that estuarine residents are significantly more abundant than species in the other guilds (figure 5), particularly in the development zone where estuarine residents represented over 90% of the total fish abundance whilst they accounted for 87% of the total fish abundance at the control stations. Marine juvenile migrants represented 6% of the fish abundance in the development/impact zone compared to 10% at the control stations, whilst marine adventitious species accounted for around 2% of the total at both the impact and control stations.

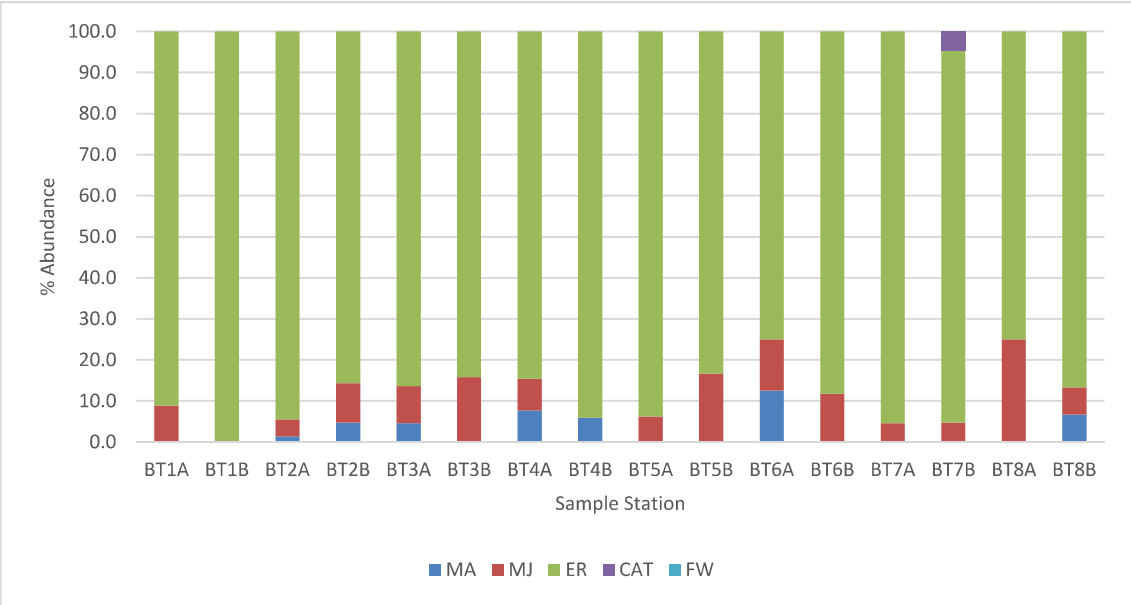


Figure 56. Distribution of fish abundance within ecological guilds for individual beam trawl stations.

4.1.1 Invertebrates

In addition to fish, an evaluation of invertebrates caught during the beam trawl study was also carried out and in total 18 taxa were recorded (Table 14). The majority of invertebrate collected were mysid, amphipod or decapod crustacea most notably brown shrimp *Crangon crangon* which accounted for 95% of the total numbers of individuals. The number of invertebrate species recorded from trawls in the development zone varied between 4 to 7 species, whilst the number of individuals ranged between 89 to 226 (Figure 57).

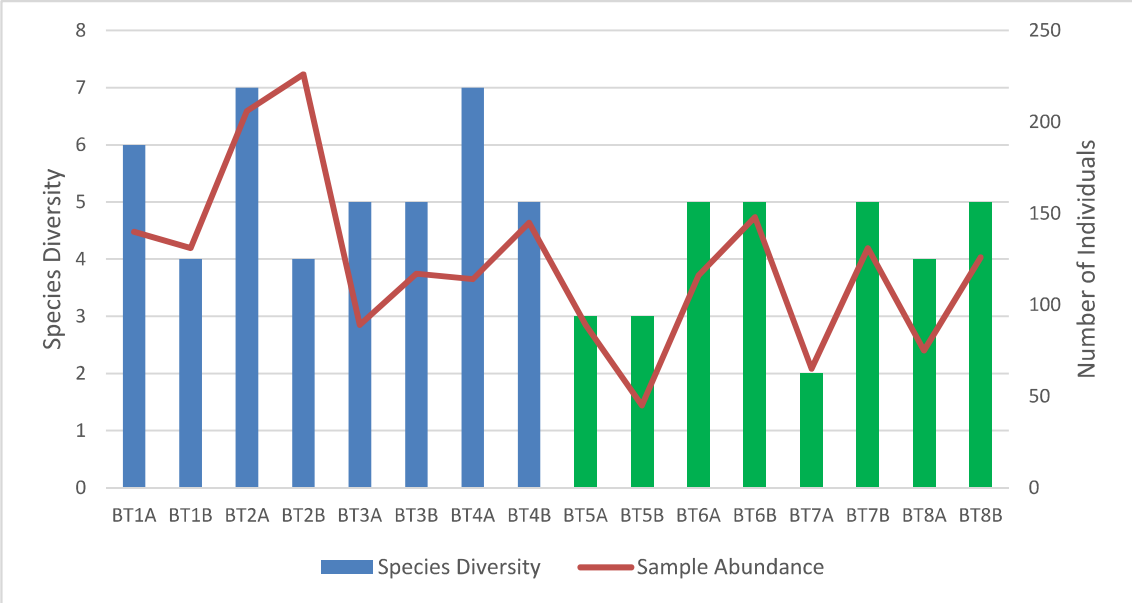


Figure 57. Total invertebrate species richness and abundance for beam trawls.

The control stations were slightly less diverse producing 2 to 5 species, and the number of individuals recorded at individual stations was generally lower than that recorded within the development zone, ranging between 45 and 148 (Figure 57).

4.1.2 Length frequency

Data were collected on the lengths of abundant species of fish to enable an assessment of size classes and to identify possible age groups (cohorts) present. There is insufficient separation between the control stations and the impact zone (development area) to facilitate an analysis of length frequency for each area and as a consequence data for the study area are pooled together. The relatively modest fish abundance recorded during the beam trawl survey dictated that length frequency analysis could only be carried out on two species namely the flounder and Dover sole.

4.1.2.1 Flounder

The flounder is an estuarine resident species that was recorded at all but one sampling station i.e. control station (BT5B). It was generally more abundant at sampling stations within the impact area than the control stations with abundances ranging from between 1 to 18 individuals per trawl in the impact area and 0 to 10 individuals in the control area.

The length frequency data for flounder indicate that a range of size classes are present (Figure 58), which given the species widespread distribution within the estuary, this is not unusual. The data show that 2 cohorts dominate the assemblage; the 0gp which are expected to grow to approximately 8cm by the end of the first year, and the 1gp, which can be seen at the size range 10 - 14cm. A number of older cohorts are present however these are low in number and this low frequency does not provide adequate data to allow a higher definition.

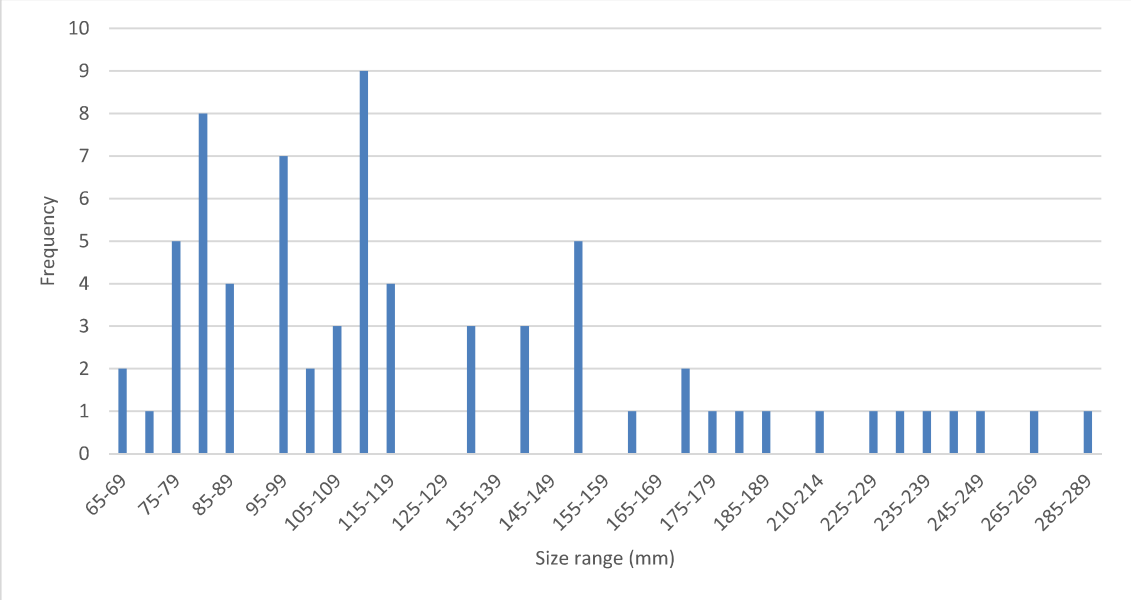


Figure 58. Length frequency data for flounder recorded during the beam trawl survey.

4.1.2.2 Dover sole

The Dover sole is an estuarine resident species of significant commercial value, although as a result of marine conservation regulations and local byelaws, there is minimal activity on the species within the Humber estuary. Similarly to the flounder, Dover sole tended to be more abundant at stations in the development area and sole were recorded at all but two sampling stations (BT5B and BT8B) and densities of this species in the trawls ranged from 1 to 20 individuals per beam trawl within the development area whereas between 0 and 4 individuals per trawl were captured at the control stations.

The widespread distribution of sole within the estuary indicates that a range of size classes should be observed within the length frequency data, and this is illustrated in the data collated (Figure 59). The data show that 2 cohorts dominate the assemblage; the 0gp which are expected to grow to between 6 - 8cm by the end of the first year, and the 1gp, which can be seen at the size range 10 - 12cm. A number of older cohorts are present however these are low in number and this low frequency does not provide adequate data to allow more detailed assessment.

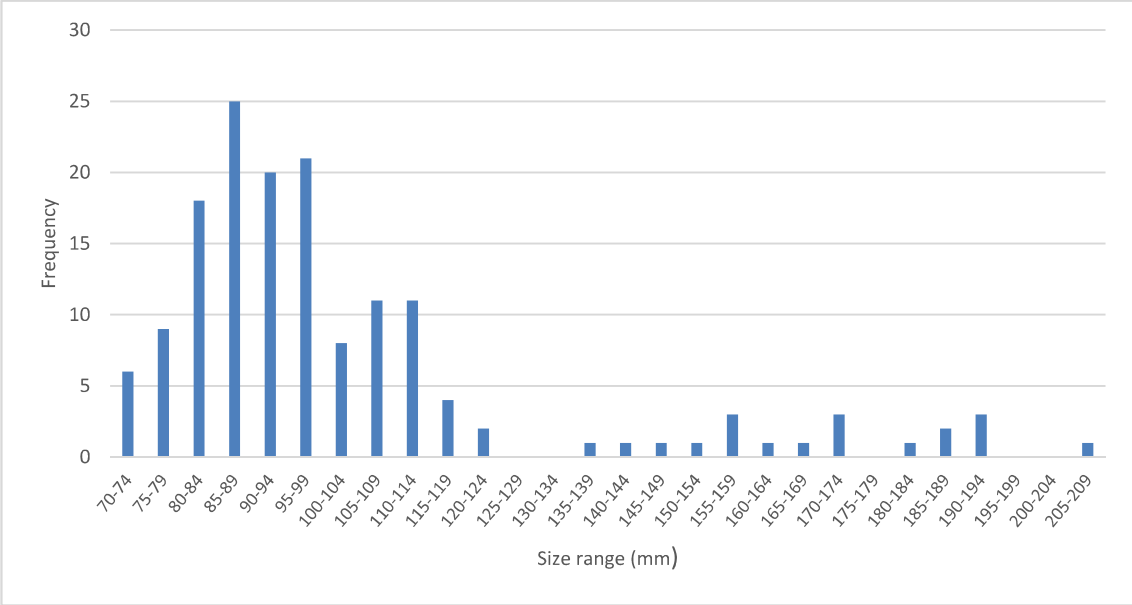


Figure 59. Length frequency data for Dover sole recorded during the beam trawl survey.

4.2 Seine Netting

As outlined in Section 2.2.2 the seine netting survey was undertaken throughout the intertidal study area of the Humber estuary as shown in Figure 53. In line with the beam trawl survey, a total of eight sampling stations were surveyed to provide four samples within the impact area/development zone and four within the control area upstream of the impact zone. The species data collected during the survey is provided in Table 15 and a summary of the total number of taxa and number of individuals (fish and invertebrates combined) is provided in Figure 60.

A relatively low number of fish species were recorded during the seine netting survey both within the impact area and at the control stations (Table 15 and Figure 61) and the number of fish taxa varied from 2 to 5 species per station at both the impact area and the control area with a total of 14 species of fish species recorded of which gobies were the most common.

Fish abundance was also relatively low, with numbers of individuals ranging 13 to 27 for stations within the impact area and from 3 to 10 individuals at the control stations (Figure 61). In general terms a slightly higher number of species and higher abundances were recorded at the sampling stations within the impact area. The species recorded included herring, sprat, codling, pogge, three spined stickleback *Gasterosteus aculeatus*, common sea snail, common and sand goby, plaice, flounder and Dover sole. Two freshwater species were also recorded (perch and bleak). With the exception of the three spined stickleback and the freshwater taxa all species were previously recorded in the beam trawl survey. The common goby was the most abundant fish species recorded during the seine net survey and represented approximately 77% of the total fish abundance and this species was generally more abundant at the impact stations.

Table 15. Seine net dataset.

Scientific Name	SN 1A	SN 1B	SN 2A	SN 2B	SN 3A	SN 3B	SN 4A	SN 4B
Gastrosaccus spinifer	3	0	0	0	0	0	0	0
Neomysis integer	2	0	0	0	0	0	0	0
Gammarus zaddachi	0	0	0	0	0	1	0	0
Corophium volutator	0	0	0	1	0	0	0	0
Palaemonetes varians	1	1	2	3	0	2	1	0
Crangon crangon	108	86	82	75	31	61	32	9
Carcinus maenas	0	0	1	0	0	0	0	0
Clupea harengus	0	0	0	1	2	0	0	1
Sprattus sprattus	0	0	0	0	1	0	1	2
Gadus morhua	0	1	1	0	0	0	0	0
Gasterosteus aculeatus	0	0	0	1	0	0	0	0
Agonus cataphractus	0	0	0	1	0	0	0	0
Liparis liparis	0	0	1	0	0	0	0	0
Pomatoschistus spp.	1	0	0	0	0	0	0	0
Pomatoschistus microps	12	19	21	15	5	3	5	4
Pomatoschistus minutus	0	1	3	1	1	0	0	0
Platichthys flesus	0	1	0	0	0	0	0	0
Pleuronectes platessa	0	0	0	0	1	0	0	0
Solea solea	0	0	1	0	0	0	0	0
Alburnus alburnus	0	0	0	0	0	0	1	0
Perca fluviatilis	0	0	0	0	0	1	0	0
Total Number of Taxa	6	6	8	8	6	5	5	4
Total Number of Individuals	127	109	112	98	41	67	39	16

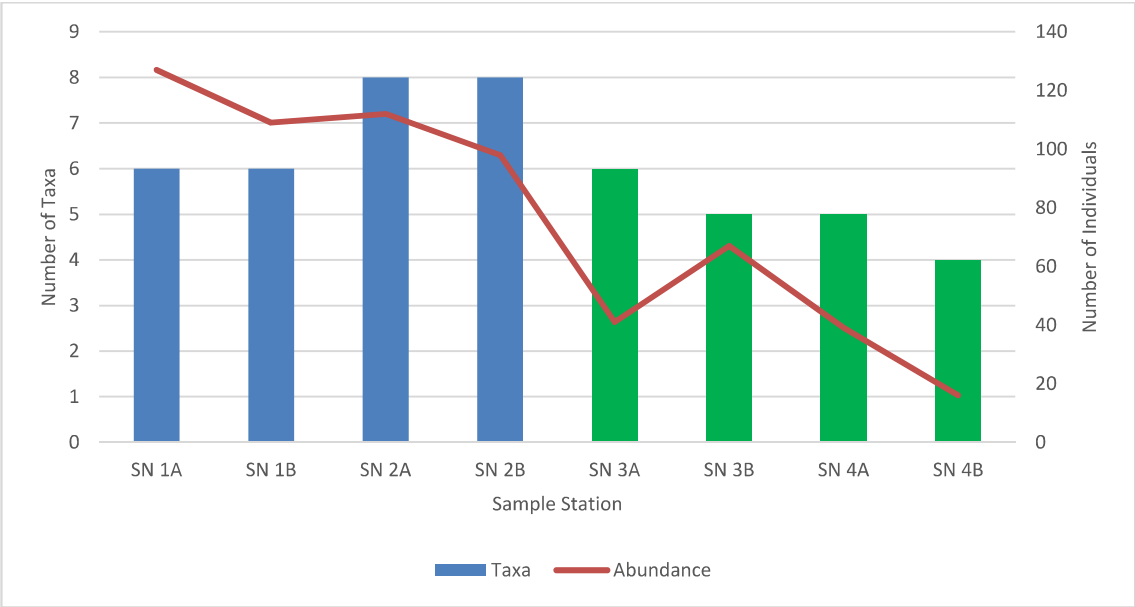


Figure 60. Species richness and abundance for seine net survey (fish & invertebrates).

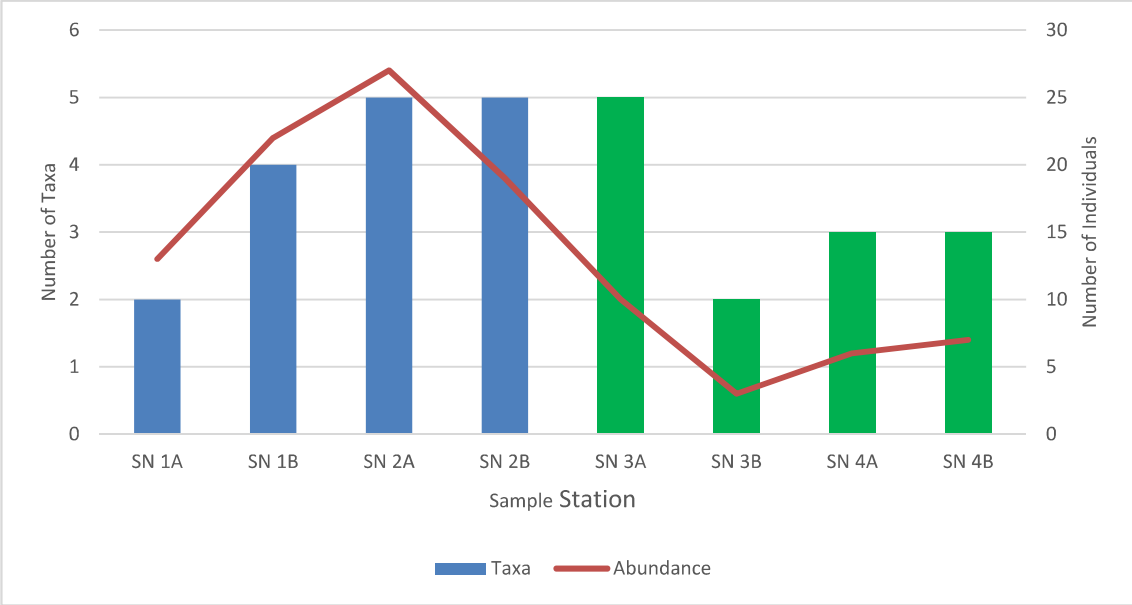


Figure 61. Fish species richness and abundance for seine net survey.

The range of ecological guilds represented within the data is generally similar to that observed in the beam trawl survey and dominated by estuarine residents, marine adventitious and marine juvenile migrants and the % occurrence of each guild at the sampling stations is provided in Figure 62. The data show that within the intertidal area of the development area, estuarine resident species are generally more prevalent (particularly at station SN1A followed by marine juvenile taxa and marine adventitious taxa. The number of estuarine residents decreases slightly upstream and whilst still a significant component at the control stations they are less dominant with an increased contribution by marine juveniles or freshwater taxa. However the relatively low number of species recorded during the survey prohibits more detailed assessment.

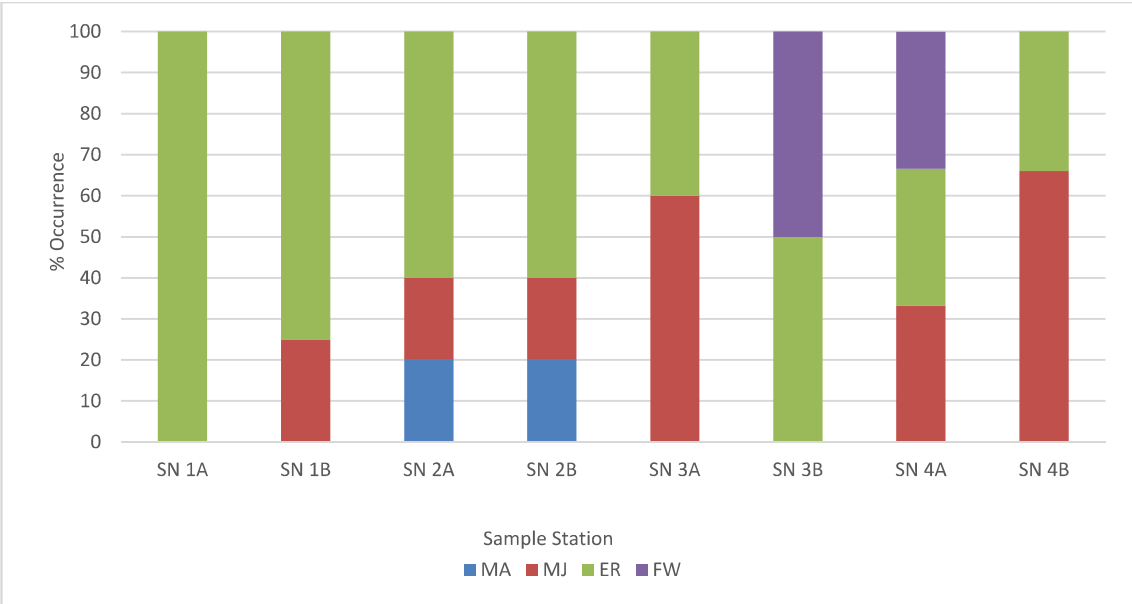


Figure 62. Distribution of fish species within ecological guilds for the seine net survey.

The data presented in Figure 63 highlight the proportion of individual ecological guilds with regard to abundance or number of individuals. At the impact area the stations are almost completely dominated (in terms of numbers of individuals) by estuarine residents whilst at the control stations an increased contribution by marine juveniles or freshwater species is apparent.

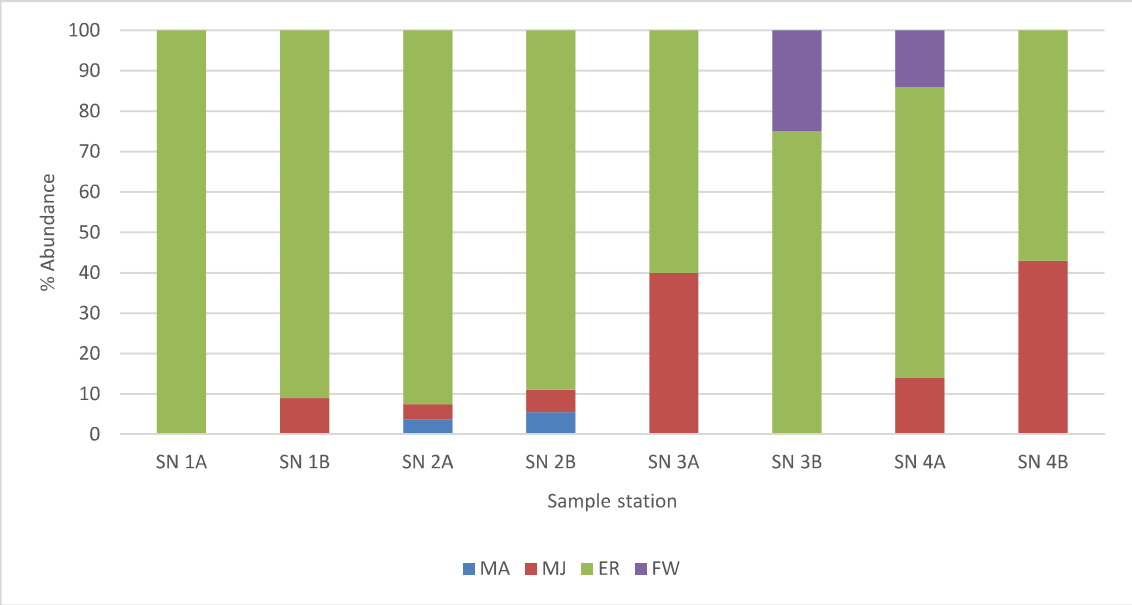


Figure 63. Distribution of fish abundance within ecological guilds for the seine net survey.

4.2.1 Invertebrates

A relatively small number of invertebrates were collected during the seine net surveys with seven taxa in total recorded including Gastrosaccus spinifer, Neomysis integer, Gammarus zaddachi, Corophium volutator, Palaemonetes varians, Crangon crangon and Carcinus maenas. The dominant species within the invertebrate assemblage were the brown shrimp *Crangon crangon* which accounted for 96% of the total abundance and was present at all stations with other taxa occurring in relatively low numbers. Figure 64 illustrates the density and diversity of invertebrate taxa throughout the seine net study area, the impact zone samples are denoted by blue vertical bars, whilst the controls are represented by green vertical bars. These results indicate a general reduction in numbers of individuals and to a lesser extent numbers of taxa at the control stations further upstream in comparison to the impact stations.

Figure 64. Species richness and abundance for invertebrates recorded during the seine net survey.

4.2.2 Length Frequency Analysis

No fish species were recorded in sufficient abundance to initiate a valid assessment on the length frequency of fish captured.

4.3 Otter Trawl Survey

As outlined in Section 2.2.3 otter trawls were undertaken at 12 locations in the middle reaches of the Humber estuary (Figure 53) with four stations upstream (northern control stations OT1 to OT4), four stations in the development area (OT5 to OT8) and four stations downstream or offshore from the development (southern control stations OT9 to OT12).

In total 18 species of fish were captured during the survey (Table 16) and the number of fish taxa at individual sampling stations is provided in Figure 66, which shows that otter trawl station one (OT1) recorded the largest diversity with 14 species of fish, whilst 13 species were recorded at sample stations OT4 and OT10. The lowest species diversity (8 species) was recorded at sample stations OT3, OT5 and OT9 but overall there was relatively little difference between survey areas in terms of number of fish taxa collected on a station by station basis. In terms of the total number of taxa collected the northern and southern control areas both included 17 fish taxa. The sampling stations located in close proximity to the proposed development produced a slightly lower total number of taxa with 14 species recorded from within the 4 sample stations (OT5 – OT8) and this may in part reflect the wider range of environmental conditions (e.g. sediment types) recorded in the control areas. Sprat (*Sprattus sprattus*) were recorded at all otter trawl stations as were gobies (*Pomatoschistus* sp.), whiting (*Merlangius merlangus*), cod (*Gadus morhua*) and common sea snail (*Liparis liparis*). Sprat and goby (common) were the most abundant species recorded with moderate numbers of cod, whiting and common seasnail. The remaining fish taxa in were recorded in relatively low numbers or had a more restricted distribution.

Table 16. Otter trawl fish data.

Common names	OT1	OT2	OT3	OT4	OT5	OT6	OT7	OT8	OT9	OT10	OT11	OT12
River lamprey	0	0	0	0	0	0	0	1	0	0	0	0
Herring	0	4	3	3	0	0	1	1	45	4	12	10
Sprat	60	64	34	77	74	3	4	2	789	558	622	144
Pogge	8	4	0	1	2	0	3	0	0	3	0	6
3 Spined Stickleback	1	0	0	0	0	3	1	1	0	0	0	1
Nilssons pipefish	0	0	0	1	0	0	0	0	0	3	0	0
Common Seasnail	24	18	8	17	4	43	19	14	4	12	10	12
Montagu's Seasnail	1	0	0	0	0	0	0	0	0	0	2	0
Dab	1	0	0	0	0	0	0	0	0	3	0	1
Whiting	3	34	4	23	18	9	6	6	41	19	19	16
Sand gobies	10	0	0	41	0	0	3	0	0	0	17	0
Gobies	78	328	44	148	117	107	58	99	177	310	406	138
Codling	36	74	2	10	1	84	4	21	7	11	6	98
Five Bearded Rockling	23	11	1	1	0	0	0	1	1	2	7	1
Flounder	1	2	1	1	1	3	3	5	0	1	0	0
Plaice	2	4	0	2	5	2	1	13	0	22	0	0
Dover sole	4	1	0	0	0	10	3	5	0	5	0	0
Long rough dab	0	0	0	2	0	0	0	0	1	0	0	0
Total abundance	252	544	97	327	222	264	106	169	1065	953	1101	427
Total No. Species	14	11	8	13	8	9	12	12	8	13	9	10

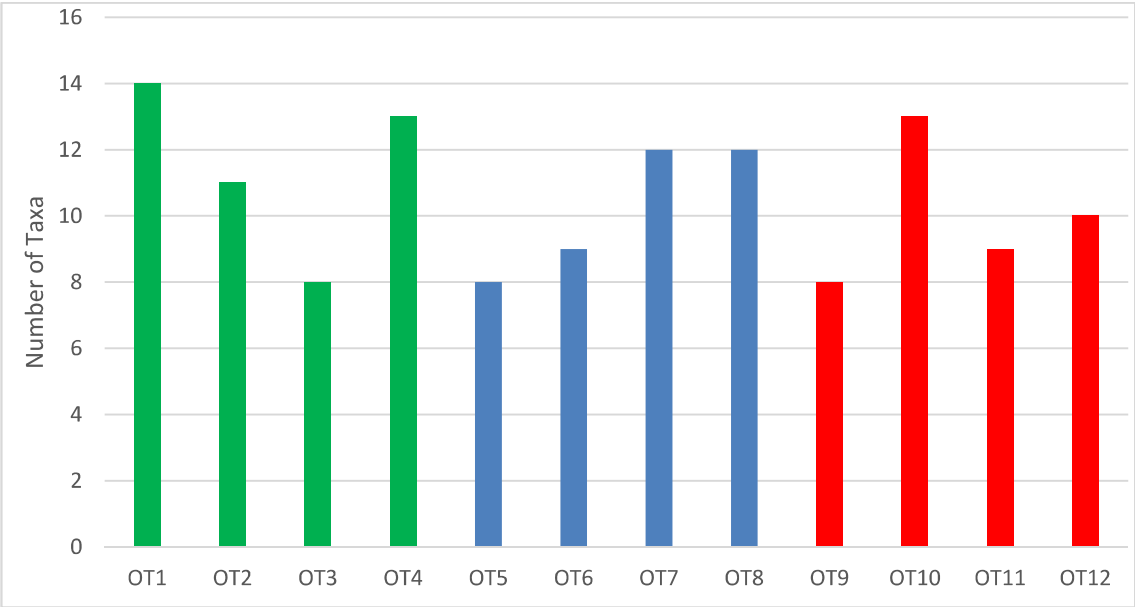


Figure 65. Species diversity for individual otter trawl stations.

The number of individuals of fish captured at each survey station is provided in Figure 66 which highlight total fish abundance within the development area were relatively low (106 to 264 individuals per station). Data collected at the otter trawl sample stations upstream of the development area were more variable but also relatively low with numbers ranging from 94 to 544 per station. The downstream (southern control) sampling stations tended to exhibit the highest fish densities with the highest numbers of individuals recorded at OT11 (1101 fish) and numbers of fish per station in this area ranging from 427 to 1101.

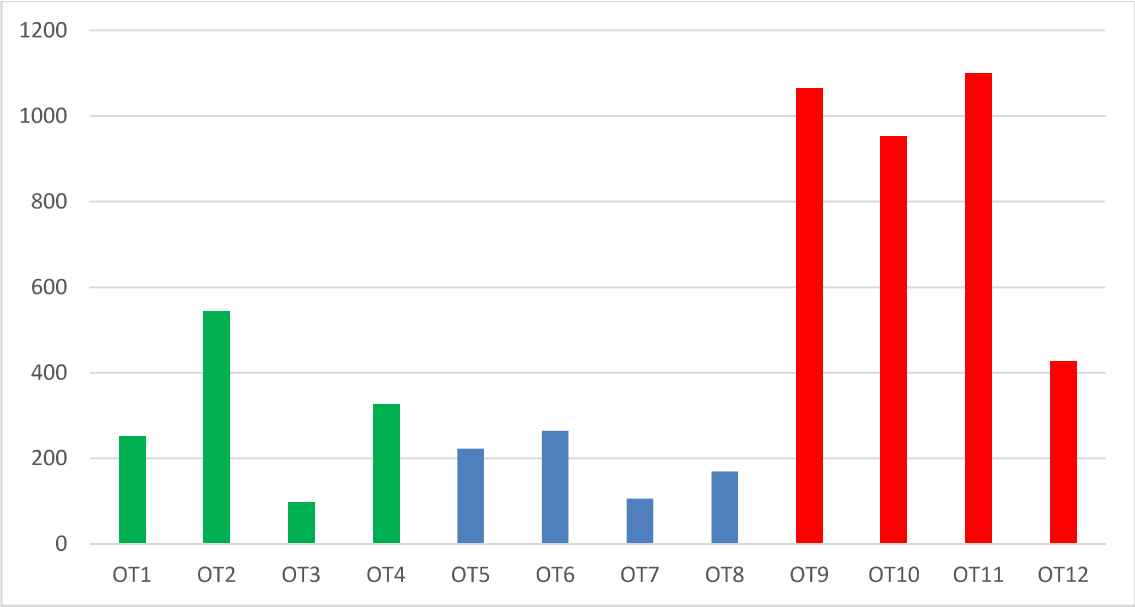


Figure 66. Total abundance of fish per otter trawl station.

As outlined for the beam and seine netting surveys the fish species collected have been classified into ecological guilds. Of those fish identified, six species may be classed as estuarine residents (3 spined stickleback, Nilsson's pipefish, Sand gobies and goby species, Flounder & Dover sole), and seven species (in adult form) as marine adventitious (pogge, common seasnail, Montagu's seasnail, dab, whiting, five bearded rockling & herring). Four species are classified as marine juveniles (sprat, codling, plaice and long rough dab). However, this classification is based on the size of individuals captured during the study and when they are present in the Humber estuary as adults they would therefore more likely be classified as marine seasonal migrants or marine adventitious. A single anadromous species, the river lamprey, was recorded at otter trawl station eight.

The percentage composition of species within ecological guilds are illustrated in Figure 67 which shows that at the upstream and downstream sampling stations i.e. stations 1 to 4 and 9 to 12, marine adventitious (MA) species were slightly more dominant, comprising between 37.5 to 60% of the total fish assemblage recorded within the otter trawls. Estuarine resident (ER) species contributed between 12.5 – 36% of the total species diversity at the upstream and downstream stations, whilst marine juveniles migrants (MJ) comprised between 20 to 37.5%.

For the otter trawls taken within the footprint development area and immediately adjacent waters, the percentage composition of ecological guilds was slightly different. The dominant component in terms of species richness (diversity) tended to be estuarine residents, which contributed between 25 – 45% of the total fish species recorded. Marine adventitious species and marine juvenile migrants were considered to be relatively similar in respect to percentage composition within ecological guilds, both comprising between 22 – 37.5% (Figure 67).

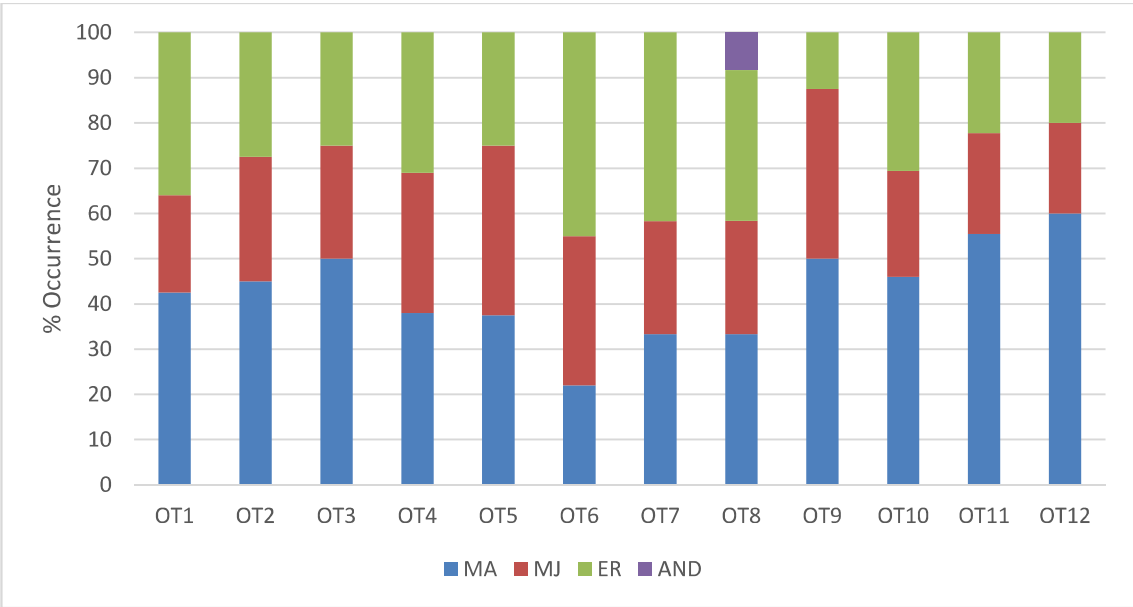


Figure 67. Distribution of fish species within ecological guilds for individual otter trawl stations.

Pihl *et al* (2002) consider that the dominant components within most macro-estuaries are the estuarine resident and marine adventitious ecological guilds, however this is in direct relation to species richness, whereas in terms of abundance the contribution of ecological guilds generally show somewhat different patterns.

In terms of the abundance of species within their respective ecological guilds Figure 68 highlights a somewhat different distribution of guilds when abundance is considered. The upstream and downstream otter trawl control stations (which for species richness were broadly comparable) are somewhat different with the upstream sampling stations generally showing a similar distribution to those stations within the development zone (OT5 – OT8). In sample stations OT1 to OT8, estuarine resident species are more abundant and comprise 37 to 64.5% of the percentage abundance. Marine juvenile migrants account for 8.5 to 39% of the total numbers of individuals at stations OT1 to OT 8 whilst the marine adventitious species account for 10.5 to 27%. Conversely, the downstream sample stations (OT9 – OT12 in the southern control area) are dominated numerically by marine juvenile migrants which account for between 56.5 to 75% of the total abundance. In these stations estuarine residents comprise between 16 to 38.5% of the total abundance, whilst marine adventitious species exhibit a relatively low abundance and account for between 4.5 to 11% of the total abundance.

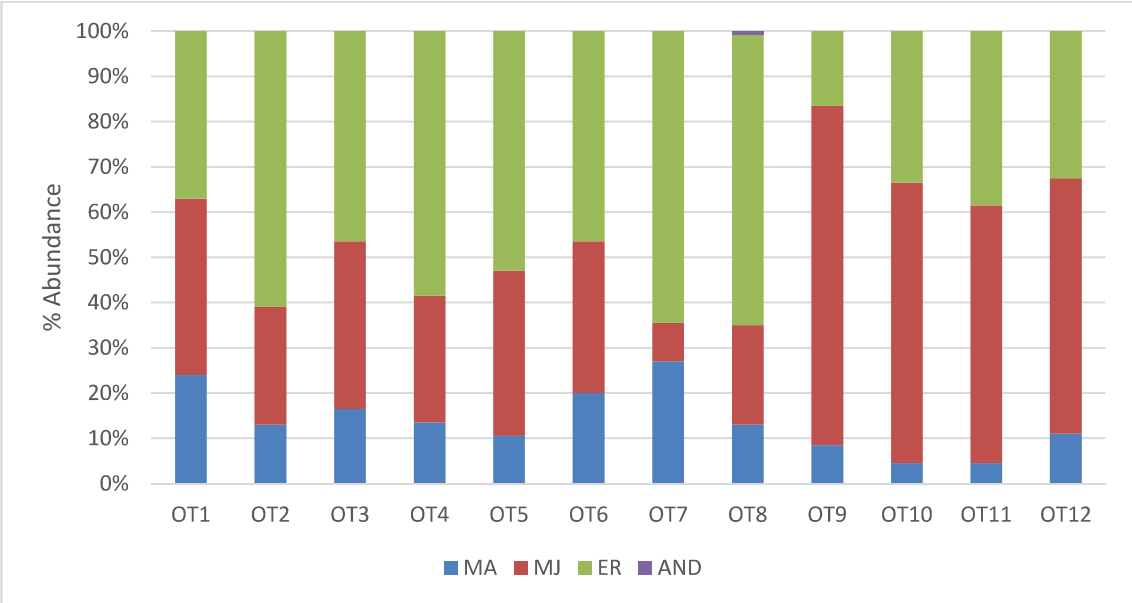


Figure 68. Distribution of fish abundance within ecological guilds for individual otter trawl stations.

4.3.1 Invertebrates

In addition to fish, a range of invertebrate species where captured during the otter trawl survey (Table 17 and Figure 69) and these species were largely dominated by the brown shrimp *Crangon crangon* which was recorded at all otter trawl stations and accounted for over 25000 individuals throughout the survey and as a consequence was the most abundant species encountered during the survey. The opossum shrimp *Neomysis integer* was the only

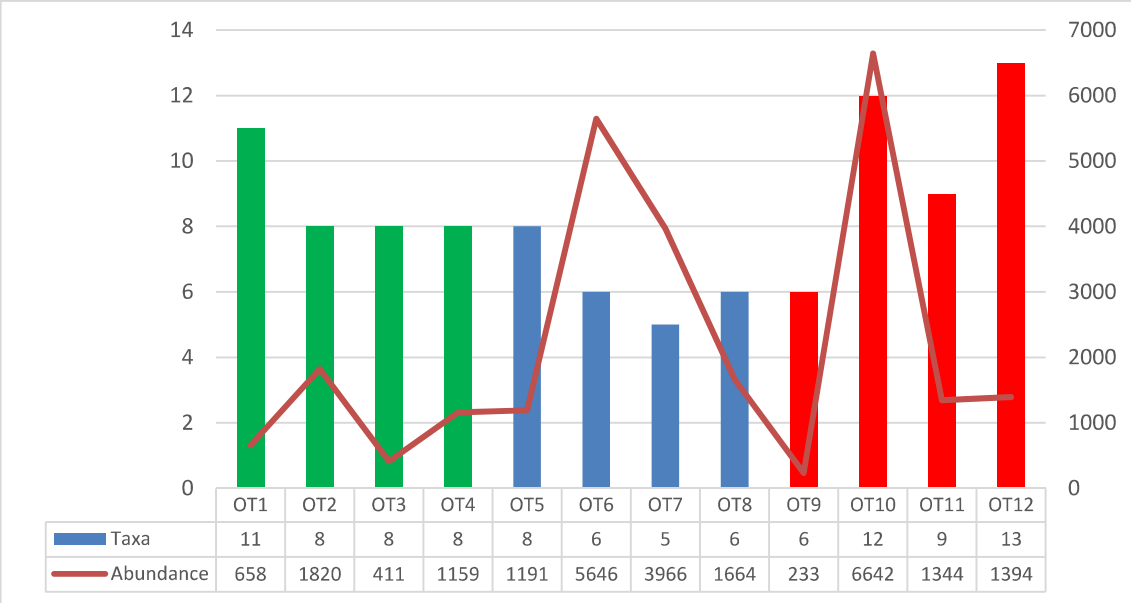
other invertebrate species to be recorded at all stations, however, its total abundance (631) represented just 3% of that recorded for the brown shrimp.

Other invertebrate species of note include the shore crab *Carcinus maenas* which was recorded at 10 of the 12 otter trawl stations with an overall abundance of 170 and was the third most abundant invertebrate species. The ditch shrimp *Palaemonetes varians* was also recorded at 10 of the 12 trawl stations, however, it was more frequently recorded further upstream in increasingly brackish water with lower numbers further downstream. Conversely the pink shrimps *Pandalina brevirostris* and *Pandalus montagui* were predominantly recorded in the downstream area of the survey albeit in relatively low numbers.

The Chinese Mitten crab *Eriocheir sinensis* was recorded at 6 sampling stations throughout the study area and was slightly more abundant within the development zone (5 specimens recorded) with 3 specimens recorded upstream and a single specimen recorded at OT9 in the downstream sampling area.

Table 17. Invertebrate assemblage recorded at all otter trawl sampling stations

Taxa	OT1	OT2	OT3	OT4	OT5	OT6	OT7	OT8	OT9	OT10	OT11	OT12
Haliplanella lineata	1	0	0	0	0	0	0	0	0	6	4	1
Nemertea sp. indet	0	0	0	0	0	0	0	0	0	0	0	1
Nematoda sp. indet	0	0	0	0	0	0	0	0	1	1	6	1
Sagitta sp. Indet	0	0	0	0	0	0	0	0	1	0	0	0
Arenicola marina	0	0	1	5	0	0	0	1	0	0	0	0
Caligidae sp. indet	0	1	0	0	0	0	0	0	0	0	1	0
Mysidacea sp. Indet (damaged)	1	0	0	0	1	0	0	0	0	0	0	0
Gastrosaccus spinifer	0	0	1	0	0	0	0	0	0	0	0	0
Neomysis integer	23	257	16	172	32	1	7	1	82	25	5	10
Praunus sp. indet	0	0	0	0	0	0	0	0	0	3	0	1
Praunus flexuosus	2	11	8	5	1	0	8	0	0	6	3	2
Gammarellus homari	2	0	0	1	0	0	0	0	0	0	0	2
Urothoe sp. Indet (damaged)	0	0	0	0	0	0	0	0	0	1	0	0
Gammarus sp. Indet (damaged)	1	0	0	0	0	0	0	0	0	0	0	0
Gammarus zaddachi	5	8	0	8	0	1	0	0	0	32	1	21
Corophium volutator	1	0	0	0	0	0	0	0	0	1	0	0
Palaemonetes varians	14	5	5	3	1	1	1	2	0	2	0	1
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	1
Pandalus montagui	0	0	0	0	2	0	0	0	7	1	17	1
Crangon crangon	607	1530	374	964	1121	5639	3949	1647	141	6464	1305	1342
Carcinus maenas	1	7	4	1	32	2	0	11	0	100	2	10
Eriocheir sinensis	0	1	2	0	0	2	1	2	1	0	0	0
Macoma balthica	0	0	0	0	1	0	0	0	0	0	0	0



	OT1	OT2	OT3	OT4	OT5	OT6	OT7	OT8	OT9	OT10	OT11	OT12
Taxa	11	8	8	8	8	6	5	6	6	12	9	13
Abundance	658	1820	411	1159	1191	5646	3966	1664	233	6642	1344	1394

Figure 69. Species Richness and total abundance for Invertebrates recorded in Otter Trawls.

Densities of the most abundant invertebrate species (brown shrimp) varied considerably across the survey area (Figure 70) with densities at the northern control area ranging from 374 to 1530 and somewhat higher densities at the development area with densities ranging from 1121 to 5639. The southern control area exhibited extreme variability with numbers ranging from 141 to 6464. Whilst their appeared to be no clear spatial pattern in respect to the distribution and abundance this species consistently high numbers of this species were often recorded at stations in the development area. However, the highest abundance of this species was recorded at OT10 in the southern control area although the other stations in this area had relatively low numbers.

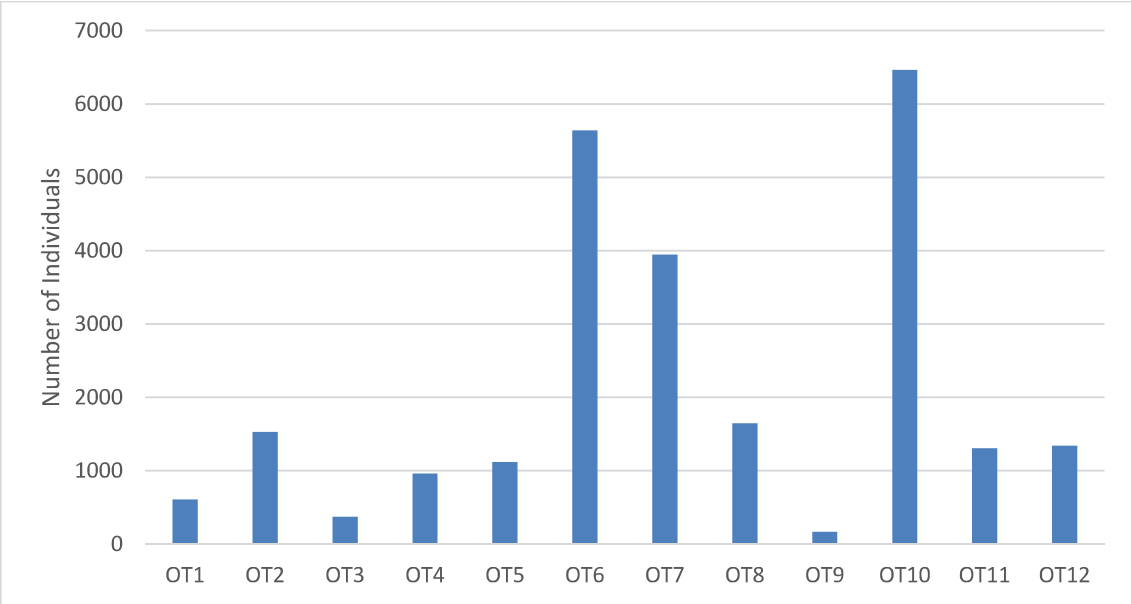
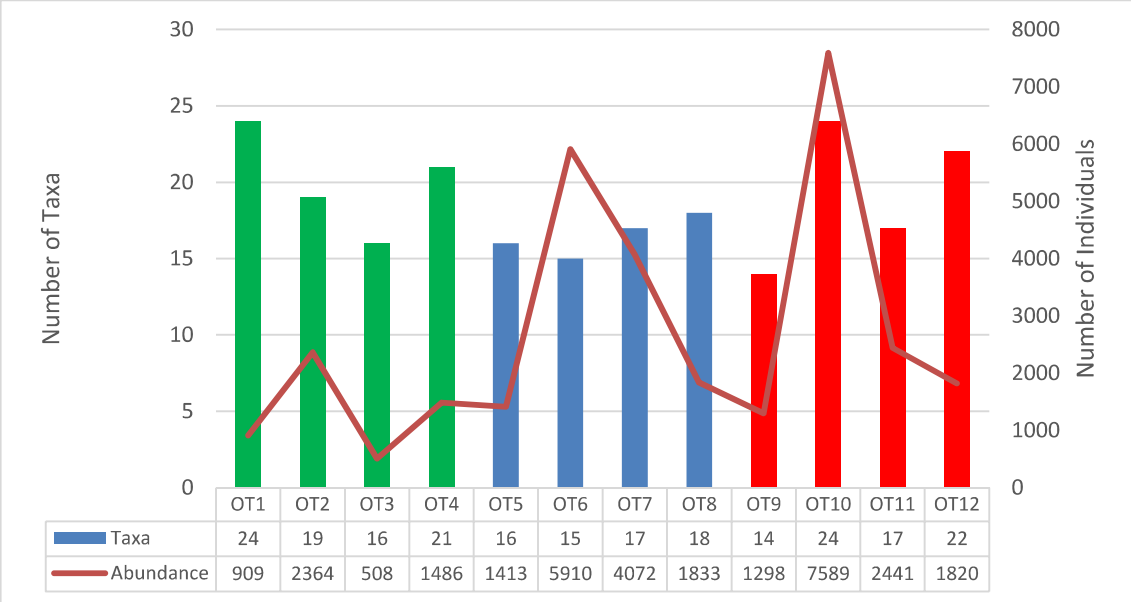


Figure 70. Brown shrimp abundance at Otter Trawl Stations.

The total number of taxa and individuals per station (fish and invertebrates combined) has been provided in Figure 71. Total numbers of taxa are relatively similar across all areas although the northern and southern control areas tend to have slightly higher numbers of taxa but with greater variability. The total number of individuals varies considerably across the survey area although the upstream (northern control) stations tend to have lowest numbers whilst the development area and southern (downstream) control areas tend to include the highest numbers of individuals but also the most variation.



	OT1	OT2	OT3	OT4	OT5	OT6	OT7	OT8	OT9	OT10	OT11	OT12
Taxa	24	19	16	21	16	15	17	18	14	24	17	22
Abundance	909	2364	508	1486	1413	5910	4072	1833	1298	7589	2441	1820

Figure 71. Total abundance and species diversity for individual trawl stations (Fish and Epifauna).

4.3.2 Length Frequency

All abundant fish were assessed for age group (cohort analysis) by length frequency analysis, this analysis included an evaluation of herring (*Clupea harengus*), sprat, codling, whiting, seasnail, gobies (common), plaice (*Pleuronectes platessa*) & Dover sole (*Solea solea*). Aall other species were discounted as having a low frequency and therefore were not suitable for length frequency analysis.

4.3.2.1 Herring

Herring were significantly less abundant than the similar species sprat and whilst they were recorded throughout the study area they tended to be more abundant in the downstream stations, whilst just two individuals were recorded from otter trawls in the development area.

The length frequency data (Figure 72) produced for herring indicate that 2 years classes are present, the 0gp (first year fish) which may grow to an average length of 7 – 9cm (Wheeler, 1969) and intermediate 1gp (>1 year old).

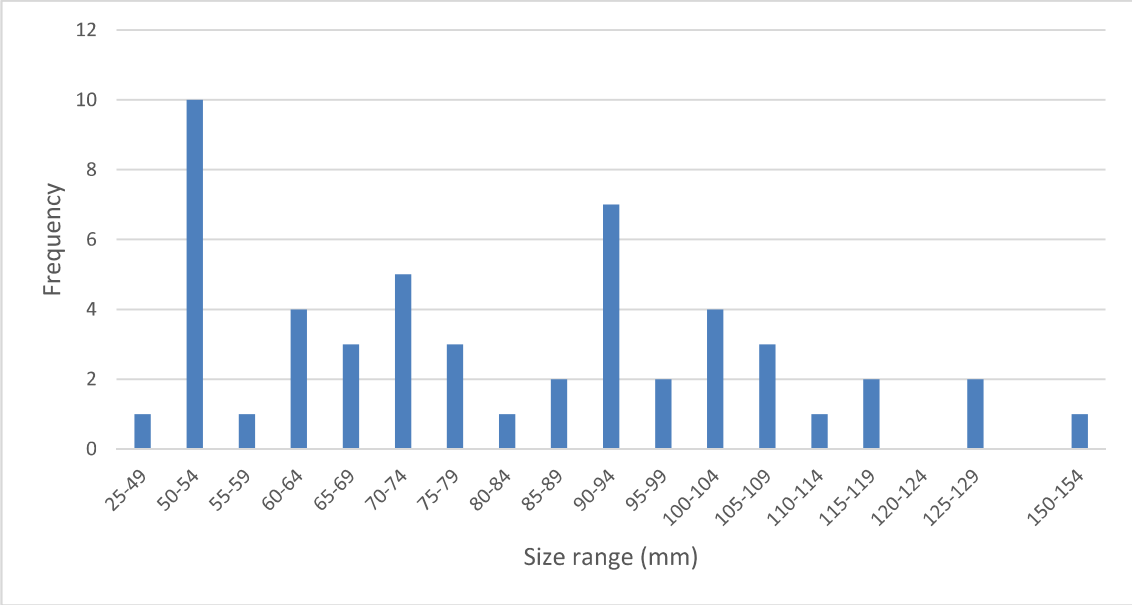


Figure 72. Herring length frequency analysis.

4.3.2.2 Sprat

Sprat were the most abundant species and were recorded at all stations throughout the study area but as described for the herring, sprat were more abundant at the downstream trawl stations, with low abundances observed within the development zone.

The length frequency data for sprat show a single year class is present within the study area, and this year class likely dominates the sprat assemblage within the Humber estuary. The sprat year class identified in the study is the 0gp (first year fish), which grows relatively quickly and may attain a length of 11-12cm at the end of its first year (Wheeler, 1969).

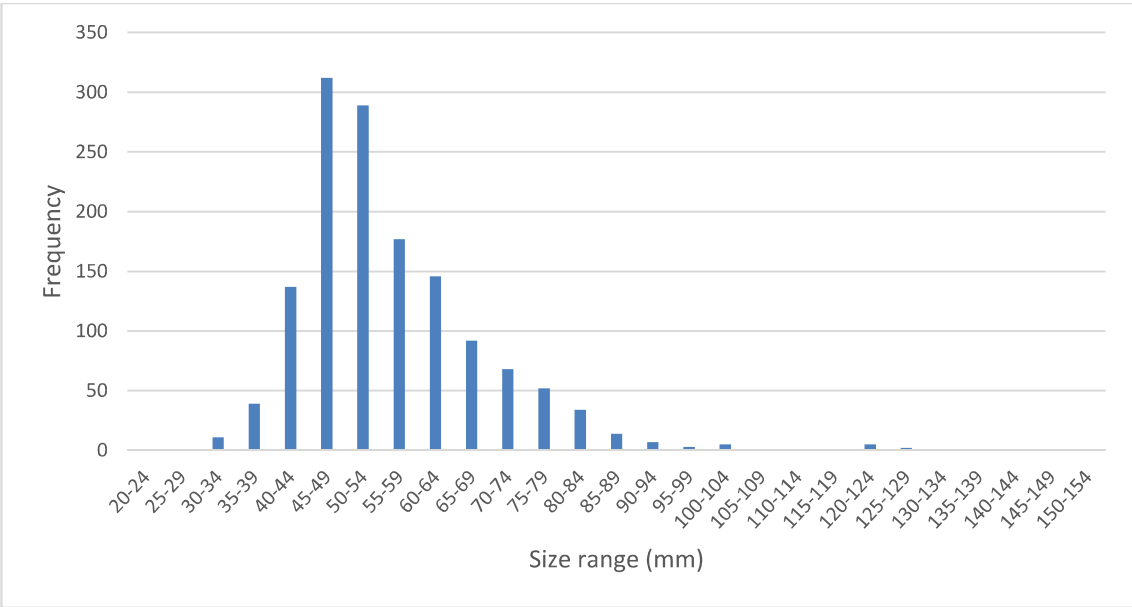


Figure 73. Sprat length frequency analysis.

4.3.2.3 Cod

Cod were recorded at all otter trawl stations throughout the study area with little or no difference between the principal areas of the study, although there were slightly fewer cod caught in the development zone. The number of cod caught at each otter trawl station varied between 1 (OT5) and 98 (OT12).

Figure 74 indicates that all cod recorded were the 0gp i.e. first year fish. Wheeler (1969) states that growth rates in cod are variable but are generally expected to attain an average length of 18cm by the end of the first year and as such may be considered to be a fast growing species. The cod recorded in the Humber estuary during the present study will have been spawned in the North Sea during January to March 2013 and migrated into coastal waters and estuaries to feed on abundant invertebrates and crustacea in particular (brown shrimp, amphipoda (*Gammarus zaddachi*), crabs (*Carcinus maenas*) and prawns e.g. (*Pandalus montagui* and *Palaemonetes varians*), all of which are abundant in the Humber estuary. Therefore the distribution of many species of fish like the cod, is linked to not only habitat but prey availability, and additionally the turbid nature of the Humber estuary is likely to provide shelter to cod and juveniles of other species in particular.

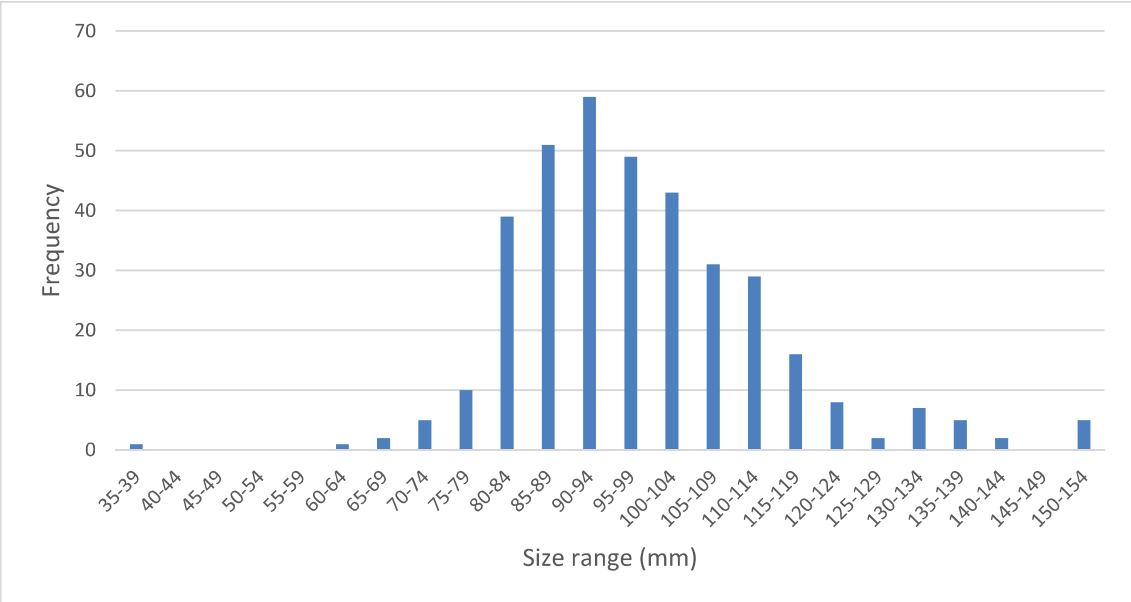


Figure 74. Cod length frequency analysis.

4.3.2.4 Whiting

Similarly to cod, whiting were also recorded at all otter trawl stations throughout the study area, although whiting were less abundant in the development area and most numerous at downstream stations. The number of whiting caught at each otter trawl station varied from between 3 (OT1) and 41 (OT9). The length frequency data for whiting show a similar pattern to that observed for the cod, in that the assemblage is dominated by the 0gp (Figure 75). First

year whiting are expected to reach a length of 15cm at the end of their first year (Wheeler, 1969), which suggests that whiting also grow rapidly during the first year.

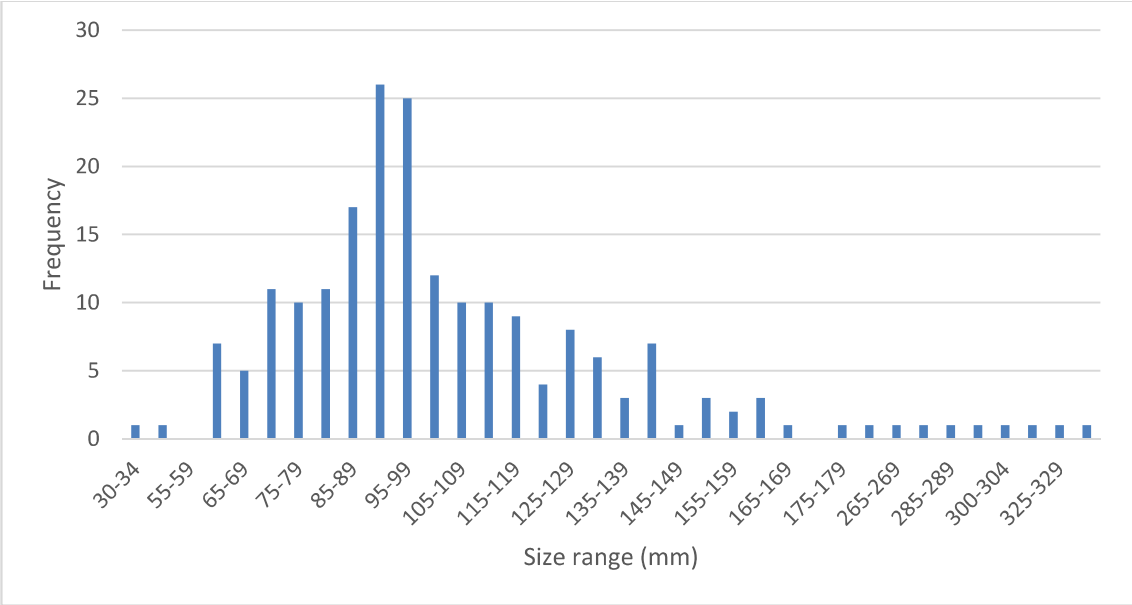


Figure 75. Whiting length frequency analysis.

4.3.2.5 Common Seasnail

Common seasnail were slightly more abundant in the development area and the northern control area, whilst stations downstream exhibited slightly lower densities. The seasnail is a small fish which usually grows to between 12 -15cm in British waters. The length frequency data (Figure 76) suggest that all year classes are present within the dataset.

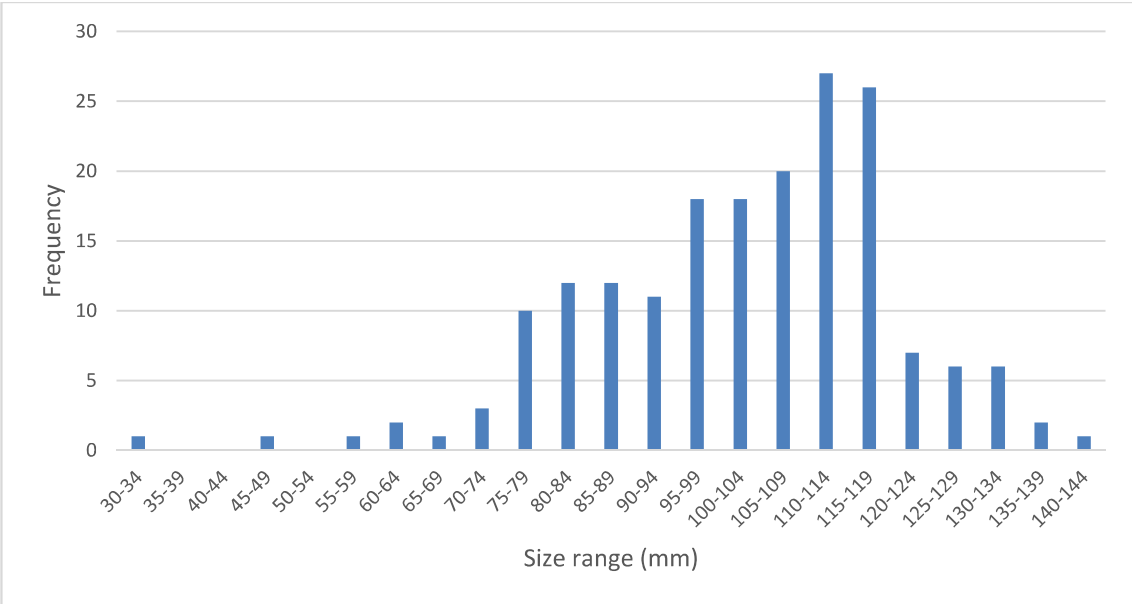


Figure 76. Common seasnail length frequency analysis.

4.3.2.6 Gobies sp. *(Common)*

Gobies are a very small and short lived species which may live for less than 2 years. They were the second most abundant fish species recorded throughout the survey. Whilst they have been separated out to species level when possible, their delicate nature, typical high abundance and similarity to closely allied species within genera, makes it extremely difficult and time consuming to identify to species level, particularly when specimens have been captured by trawl gears and fixed for later identification, which may denude characteristic features.

There are four species of goby present in the Humber estuary that are regularly encountered, these are the common goby *Pomatoschistus microps*, sand goby *Pomatoschistus minutus*, painted goby *Pomatoschistus pictus* and the transparent goby *Aphia minuta*. The transparent goby is relatively easily identified to the trained eye as is the painted goby, however there are very subtle differences between the common and sand gobies which makes identification difficult, depending on the condition of the sample.

Where possible and when there is a high level of confidence in the analysis specimens have been identified as sand goby and separated from the remainder. The remaining goby specimens have been attributed as gobies sp. (common) as whilst they are likely to be common gobies a degree of uncertainty remains which would require more exhaustive taxonomic analysis.

The data for gobies sp. (common) have been analysed for length frequency (Figure 77), which show the range of lengths present within the goby assemblage.

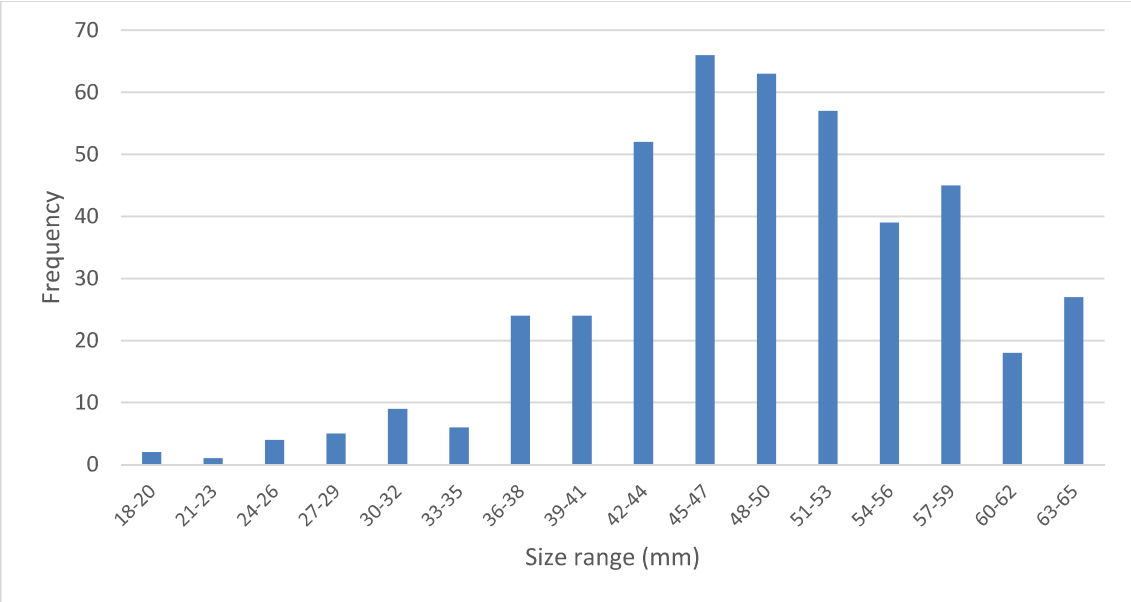


Figure 77. Goby (Common) length frequency analysis.

4.3.2.7 Plaice

Relatively modest numbers of plaice were recorded throughout the study area, with densities of the species at the upstream control stations slightly lower than those within the development area. Plaice was less prevalent at the downstream control stations where the species was absent at all but one station (station OT10). The length frequency data (Figure 78) show that at the time of sampling in the estuary, the dominant cohort within the plaice assemblage was the 0gp (5 – 7cm), a smaller number of 1gp (10 – 12cm) and 2gp (15 – 16cm) are also present.

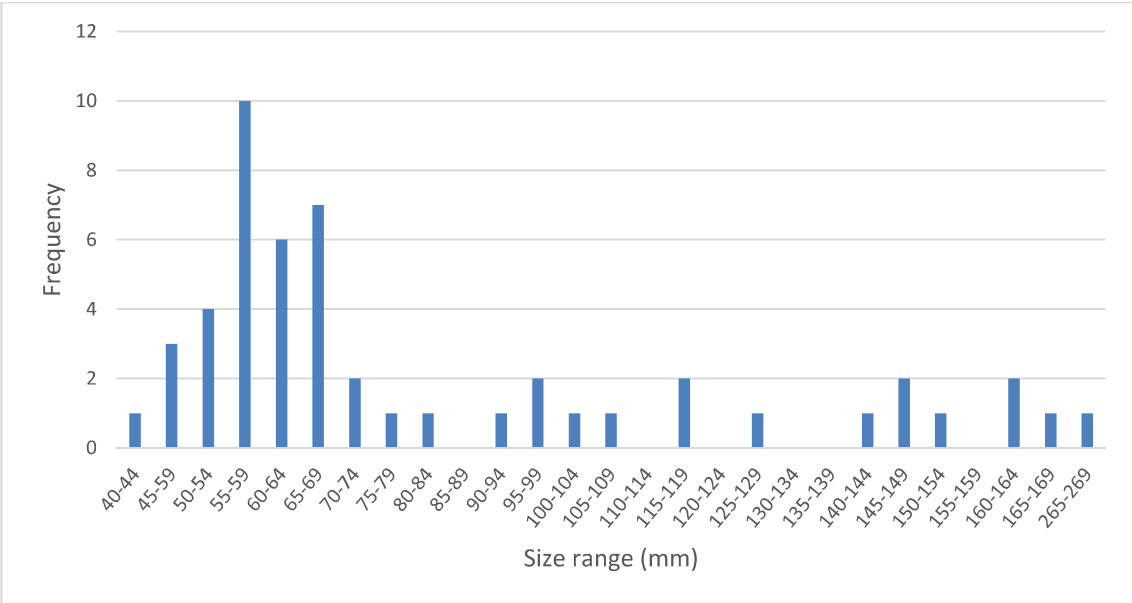


Figure 78. Plaice length frequency analysis.

4.3.2.8 Dover sole

Low numbers of Dover sole were recorded during the study, but were generally more prevalent within the development area where the species was recorded at all sampling stations. The species was recorded in low numbers at three of the four upstream control stations but only recorded at one of the downstream control stations (OT10). Given the low abundance, the length frequency data do not produce a clear view in respect to the age groups present and as a consequence, no further assessment of the length frequency for Dover sole has been provided.

5. Conclusions

The results of the autumn intertidal benthic survey indicate that the intertidal habitats at North Killingholme and Cherry Cobb Sands are characterised by a range of sedimentary habitats including sandy muds and muds at NKM and sandy muds and muddy sands or sands at CCS. These habitats maintain a variety of infaunal invertebrates including good examples of mid estuary mud assemblages characterised by species such as *Hediste diversicolor*, *Macoma balthica, Tubificoides benedii*, *Streblospio shrubsolii*, *Pygospio elegans* and at NKM *Corophium volutator* which along with a number of other polychaete and oligochaete taxa are typical residents of this section of the Humber. Numbers of species are relatively low as might be expected in a dynamic estuarine environment with typically less than 10 taxa for a given site and often impoverished communities are present in more dynamic low shore areas or on the extreme upper shore. Numbers of individuals and biomass were variable with up to 75600 individuals and 20.4 g AFDW biomass per m^2 at NKM and up to 42200 individuals and 48 g AFDW biomass per m^2 at CCS. Such values are typical for this area of the Humber and comparable to values recorded in other intertidal areas of the mid to outer Humber and correspond to those recorded during the spring 2013 surveys.

Some spatial variation is evident in terms of biological parameters and community structure but this is primarily in relation to shore position (and presumably subtle variations in sediment type/stability) with lower shore communities or those on the upper shore adjacent to saltmarsh (with greater elevation) tending to exhibit more impoverished communities. Sites on the remaining upper and mid shore or lower mid shore tended to be more diverse/productive and in particularly at CCS although differences between the communities identified from multivariate analysis were rather subtle as opposed to significant shifts in community structure. The increased level of survey effort within the development area during the autumn survey did not identify any major differences in benthic communities or large spatial differences across the area with a similar range of communities recorded as described for the spring 2013 surveys but did highlight the variability within the area. Some spatial trends were evident at NKM in terms of observable differences between the NKM mudflats inside and outside the proposed development area although some although these were often relatively small or highlight smaller scale patchiness/heterogeneity in infaunal communities. Whilst sites from the control area to the north were generally similar to those within the development area there was some indication of somewhat reduced diversity/productivity within the indirect impact areas adjacent to the development area and also a slight increase in biomass or density of key taxa such as *Hediste diversicolor* and *Macoma balthica* on the upper and mid shore within the development area although such differences were often relatively minor.

As described for the spring 2013 survey high densities of *Corophium* volutator were recorded at NKM with numbers of *Corophium* volutator generally declining further downstream toward the outer Humber and this species was largely absent from the CCS area. High levels of temporal and spatial variability in the Humber with regard to populations of *Corophium volutator* are a recurring feature within the Humber with periods of expansion and reduction in numbers having been reported in the middle estuary at various times (Allen, 2009). At CCS a similar range of invertebrate species were recorded to those reported for NKM and these

were generally similar to those identified during the spring 2013 surveys. Once again a slightly wider range of taxa were recorded at CCS in comparison to NKM in which in part reflects the greater variation in sediment type at this area. The most obvious difference between NKM and CCS in terms of species composition was the much densities of *Corophium volutator* and *Streblospio shrubsolii* at NKM and higher numbers of *Pygospio elegans* at CCS. A similar range of densities of *Hediste diversicolor* were recorded at both areas although somewhat higher numbers tended to be recorded at upper shore areas at NKM whilst densities of *Macoma balthica* tended to be higher at CCS. Such findings are generally comparable to those reported for the spring 2013 intertidal surveys.

The intertidal habitats at NKM and CCS are generally characterised by typical estuarine mud biotopes although in many cases (and particularly at NKM) these appear to be are somewhat transitional forms and appear to be inherently variable. These include somewhat transitional middle estuary variants of *LS.LMu.MEst.HedMac (Hediste diversicolor and Macoma balthica in littoral sandy mud)* and examples of this biotope at NKM (particularly toward the upper shore) often had elements of upper estuarine biotopes *such as LS.LMu.UEst* or *LS.LMu.UEst.Hed (Hediste diversicolor in littoral mud).* Variants of these biotopes were recorded at NKM which had relatively high abundances of both *Corophium volutator* and *Streblospio shrubsolii* in contrast to mid shore habitats at CCS which tended to exhibit a more typical *LS.LMu.MEst.HedMac* community.

A range of other estuarine biotopes are present at NKM and CCS including poorly defined or transitional variants of *LS.LMu.MEst (Polychaete/bivalve-dominated mid estuarine mud shores)* on the low shore which could *include LS.LMu.MEst.NhomMacStr (Nephtys hombergii, Macoma balthica and Streblospio shrubsolii in littoral sandy mud)* or low shore variants of *LS.LMu.MEst.HedMac* which are subject to sediment instability. Various forms of more typically upper estuarine biotopes were also recorded on the upper shore and particularly in areas adjacent to saltmarsh which tended to be variants of *LS.LMu.UEst (Polychaete/oligochaete-dominated upper estuarine mud shores)* and included a number of somewhat poorly defined oligochaete or polychaete dominated biotopes such as *LS.LMu.UEst.Hed.Ol (Hediste diversicolor and oligochaetes in littoral mud)* and some mid to lower shore areas included communities which showed some resemblance to biotopes such as *LS.LMu.UEst.Hed.Str (Hediste diversicolor and Streblospio shrubsolii in littoral sandy mud)*. Such biotopes tended to grade into midshore communities with a number of transitional biotopes recorded. The CCS area also included impoverished and poorly defined sand or muddy sand biotopes on the lower shore e.g. *LS.LSa.MuSa (Polychaete/bivalve-dominated muddy sand shores)* and also some areas of *LS.LSa.MuSa.MacAre (Macoma balthica and Arenicola marina in littoral muddy sand)* on the mid shore at the southernmost end of the survey area where areas of *Arenicola* beds are present.

The baseline characterisation of fish communities undertaken in the spring 2013 and autumn 2013 fish surveys have provided an important view on the density and diversity of fish species present in this central region of the Humber Estuary. In total, from the fish surveys undertaken in spring and autumn, 27 species of fish have been recorded, which corresponds to almost 30% of the number of fish species recorded within the Humber estuary (Elliott & Hemingway, 2002). There is a relatively even mix of estuarine resident species, with marine

juvenile migrants and marine adventitious species, although as expected very few catadromous and anadromous species were recorded, namely the eel *Anguilla Anguilla* and river lamprey *Lampetra fluviatilis* respectively. Two freshwater species were also recorded in the brackish waters of the Humber, these were the perch *Perca fluviatilis* and bleak *Alburnus alburnus*.

As expected some species of fish were common throughout the study area and were frequently recorded not only at different times of the year i.e. spring or autumn, but also varid in relation to different gear types employed. For example the flounder *Platichthys flesus* and Dover sole *Solea solea* were recorded throughout the year in relatively high abundance in the beam trawls, in moderate abundance in the otter trawls, but in low abundance in the seine net surveys. Herring were only caught in moderate abundance in the seine net surveys and only in June, whereas sprat where recorded in high abundance, but only during the autumn otter trawls surveys. Gobies, and in particular common gobies (*Pomatoschistus microps)* were recorded as common throughout the control and development zones in otter trawls, beam trawls and to some extent in the seine net surveys, however this was primarily during the autumn surveys with fewer gobies were recorded during the spring surveys.

Juvenile cod were observed as the third most abundant species in the otter trawls during the autumn surveys, and whilst they were also recorded in moderate abundance in the beam trawls, they were not recorded at any other time. This illustrates the importance of taking a multi-strand approach to sampling for fish, which takes into account not only the location of the species within the water column, but also its use of other areas i.e. intertidal zone and or deeper water channels and its relationship with bed forms and sediments. Similarly, sampling at different times of the year will deliver different results as many species, particularly marine juvenile migrant species may be missed and for certain species they may be under recorded if the sampling program is undertaken at a time when they are not present in the estuary e.g. juvenile cod.

In general terms the data produced from the range of surveys, show that the development zone and control stations are typical for this stretch of the Humber estuary. There is a mix of estuarine and marine species as adults, juveniles and in the intermediate year classes. The most abundant species are those that are to be found in the estuary all year round e.g. estuarine residents, or marine juvenile species such as sprat, for which the Humber estuary provides an extremely important function, in that it's turbid waters offers protection from predators and also provides important food sources such as copepods and amphipods. Conversely, adventitious species were present in low abundance and in some instances were recorded as a single observation. It is likely that these marine adventitious species will comprise the greater majority of species recorded within the Humber, however, their low abundance and the nature of their presence in the estuary (i.e. to take advantage of prey availability), reduces their relative importance.

In total 33 species of invertebrate were recorded during the otter, beam and seine net surveys in spring and autumn 2013 and species from a number of taxonomic groups were recorded but predominantly Crustacean taxa (amphipods, mysids and decapods) which accounted for over 70% of the total (notably the brown shrimp Crangon crangon). Other groups of invertebrates such as Cnidaria, Polychaeta, Mollusca and Ctenophora along with meiofaunal

invertebrate species were also recorded during the fish surveys. The data collected on invertebrate species during the fish surveys demonstrate that crustacean species contribute over 70% of the number of species and up to 95% of total abundance collected during survey. This highlights the relative importance of invertebrates and in particular crustacean species to the ecology of the area. The brown shrimp *Crangon crangon* was the dominant invertebrate component in all fish surveys and by all gear types whilst Mysidae species were the second most abundant group (predominantly *Neomysis integer*). Amphipod shrimps were also frequently common in the beam trawl samples with *Corophium volutator* and *Gammarus zaddachi* being the most commonly recorded and most abundant. The green shore crab *Carcinus maenas* was moderately abundant in the otter trawl and beam trawl samples, whilst pink shrimp *Palaemonetes varians* and *Pandalus montagui* were frequently recorded in the otter trawls and seine net samples, and particularly in the autumn survey. The high densities of crustacea collected during the fish surveys demonstrates the importance of crustacea to the ecology of the Humber estuary and in particular as a prey species for fish communities and such species contribute significantly to the nutritional requirements of the fish communities in the Humber. Invertebrate taxa also provide an important resource either directly or indirectly for other species such as the nationally and internationally important bird populations which utilise the Humber.

Overall, It is considered that in general terms the intertidal biotopes, and associated infaunal invertebrate and fish communities recorded during the current surveys appear to be typical for muddy or sandy intertidal sediments and adjacent subtidal habitats in the mid to outer Humber and generally correspond to those recorded in previous surveys (Burdon et al., 2011, ABPmer & PMSL, 2010; PMSL, 2010; Allen, 2009; Allen, 2008; Allen, 2007 and Allen et al., 2003). The increased survey effort employed in the development area at NKM also highlighted the inherently variable nature of invertebrates in this area (reflecting the dynamic nature of the middle estuary) and also the slightly higher densities of certain taxa such as *Macoma balthica* on the mid shore and *Hediste diversicolor* on the upper shore and also the continued importance of *Corophium volutator* in this area. Whilst not particularly diverse in terms of the range of species present the intertidal invertebrate communities in particular can support quite high densities of benthic infauna which will form an important food source for avifaunal and fish communities.

7. References

ABPmer & Precision Marine Survey Ltd, 2010. Biological Survey of the Intertidal Sediments of the Humber Estuary. Report to Natural England. ABPmer Report No: R.1607.

Allen, J., Boyes, S., Burdon, D., Cutts, N., Hawthorne, E., Hemingway, K., Jarvis, S., Jennings, K., Mander, L., Murby, P., Proctor, N., Thomson, S. and Waters, R. 2003. The Humber Estuary: A comprehensive review of its nature conservation interest. English Nature Reports Number 547. English Nature, Peterborough.

Allen, J.H. 2007. Saltend Benthic Invertebrate Survey 2005 & 2006 and Assessment of Variability in baseline Benthic Community from 1998 to 2006. Institute of Estuarine and Coastal Studies. University of Hull. Report to Cascade Consulting.

Allen, J.H. 2008. An Assessment of the Benthic Invertebrate Communities in the Humber Estuary. Humber Estuary Review of Consents for the Habitats Directive. Review of Benthic Data Stage 1. Report to the Environment Agency. University of Hull.

Allen, J.H. 2009. An Assessment of Temporal Variation of Benthic Invertebrate Communities in the Humber Estuary. Humber Estuary Review of Consents for the Habitats Directive. Review of Benthic Data Stage 2. Draft Report to the Environment Agency. University of Hull.

Appeltans W, Bouchet P, Boxshall GA, Fauchald K, Gordon DP, Hoeksema BW, Poore GCB, van Soest RWM, Stöhr S, Walter TC, Costello MJ. (eds) 2011. World Register of Marine Species. Accessed at http://www.marinespecies.org on 2011-02-25.

Barnett, B.E., 1993. National Standard Methodology for Marine Macrofaunal Benthic Sampling. I. Intertidal Soft Sediments. National Rivers Authority. June 1993.

Burdon, D., Mazik, K. and Perez-Dominguez, R. 2011. South Humber Channel Marine Studies: Intertidal and Subtidal Benthic & Fish Surveys 2010. Report to Yorkshire Forward. Institute of Estuarine and Coastal Studies. University of Hull.

Clarke, K.R, Gorley, R.N. 2006. PRIMER v6: User Manual/Tutorial. PRIMER-E, Plymouth.

Clarke, K.R., and Warwick R.M. 2001. Change in marine communities: an approach to statistical analysis and interpretation, 2nd edition. PRIMER-E, Plymouth.

Connor, D.W., Allen, J. H., Golding, N., Howell, K. L., Lieberknecht, L. M., Northen, K. O. and Reker, J. B. 2004. *The National Marine Habitat Classification for Britain and Ireland. Version 04.05.* Joint Nature Conservation Committee, Peterborough. ISBN: 1 861 07561 8 (internet version).

Cooper, K. & Rees, H.L. 2002. Review of Standard Operating Procedures (SOPs). Sci. Ser., Aquatic. Environment. Prot: Analytical Methods., CEFAS Lowestoft, (13) 57pp.

Davies, J., Baxter, J., Bradley, M., Connor, D., Khan, J., Murray, E., Sanderson, W., Turnbull, C. & Vincent, M., (2001), Marine Monitoring Handbook, 405 pp, ISBN 1 85716 550 0.

Elliott, M. & Hemingway, K.L. 2002 (Eds.) Fishes in Estuaries. Blackwell Science Ltd. ISBN 0-632-05733-5

Environment Agency. 2013. Data requirements for WFD transitional fish surveillance monitoring – draft. Operational instruction 328_07.

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

Pihl, L., Cattrijse, A., Codling, I., Mathieson, S., McLusky, D.S. & C. Roberts, 2002. Habitat use by fishes in estuaries and other brackish areas. In Fishes in Estuaries. Elliott, M. and Hemmingway, K.L. (Eds). Blackwell Science, Oxford. 10-53.

Precision Marine Survey Ltd. 2010. Marine Assessment – Humber Renewables Project. Report to Atkins Ltd.

Rees, H. L., Moore, D. C., Pearson, T. H., Elliott, M. Service, M. Pomfret, J. Johnson, D. 1990. Procedure for the monitoring of marine benthic communities at UK sewage sludge disposal sites. Scottish Fisheries Information Pamphlet Number 18. Department of Agriculture and Fisheries for Scotland, Aberdeen. 78 pp.

Rees, H.L., 1999. Review of Standard Operating Procedures for Sampling and Analysis of Benthic Macrofauna. In: Report of the ICES Benthos Ecology Working Group. ICES CM 1999/E:1 41-43.

Ricciardi, A. and Bourget, E. 1998. Weight-to-weight conversion factors for marine benthic macroinvertebrates. Marine Ecology Progress Series 163: 245-51.

Rumohr, H., Brey, T., and Ankar, S. 1987. A compilation of biometric conversion factors for benthic invertebrates of the Baltic Sea. Baltic Marine Biologists, Publication No. 9. 56 pp.

Ware, S.J. & Kenny, A.J. 2011. Guidelines for the Conduct of Benthic Studies at Marine Aggregate Extraction Sites (2nd Edition). Marine Aggregate Levy Sustainability Fund, 80 pp.

Warwick, R.M. 1986. A new method for detecting pollution effects on marine macrobenthic communities. Mar Biol 92, 557-562.

Worsfold, T & Hall, D. 2010. Guidelines for processing marine macrobenthic invertebrate samples: A Processing Requirements Protocol. NMBAQC.

Appendix 1. Results of Particle Size Analysis at North Killingholme

SAMPLE	PARAMETER	NKM 1.1 LA	NKM 1.1 LB	NKM 1.1 LC	NKM 1.1 MA	NKM 1.1 MB	NKM 1.1 MC	NKM 1.1 UA	NKM 1.1 UB	NKM 1.1 UC	NKM 1.2 LA	NKM 1.2 LB	NKM 1.2 LC	NKM 1.2 MA	NKM 1.2 MB
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Fine Silt	Fine Silt	Very Fine Sandy Coarse Silt	Fine Silt	Very Fine Sandy Fine Silt	Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	22.5	32.0	29.1	14.5	12.5	16.9	12.1	13.3	12.4	33.7	25.7	19.8	18.11	19.36
	MEAN GRAIN SIZE (μm)	20.3	25.4	23.9	15.4	13.38	16.9	13.10	14.1	13.2	26.1	22.63	19.5	17.668	17.901
	SORTING	3.395	3.263	3.243	3.284	3.073	3.245	3.034	3.227	3.076	3.392	3.266	3.29	3.279	3.215
	SKEWNESS	-0.107	-0.262	-0.228	0.106	0.118	0.025	0.142	0.117	0.119	-0.279	-0.145	0.003	-0.003	-0.076
	KURTOSIS	0.760	0.831	0.784	0.883	0.870	0.832	0.905	0.907	0.895	0.788	0.798	0.846	0.832	0.790
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	5.474	4.967	5.101	6.104	6.319	5.888	6.372	6.232	6.332	4.893	5.282	5.660	5.787	5.691
	MEAN GRAIN SIZE (ϕ):	5.624	5.300	5.387	6.024	6.223	5.885	6.254	6.145	6.244	5.260	5.466	5.678	5.823	5.804
	SORTING	1.763	1.706	1.697	1.715	1.620	1.698	1.601	1.690	1.621	1.762	1.708	1.717	1.713	1.685
	SKEWNESS	0.107	0.262	0.228	-0.106	-0.118	-0.025	-0.142	-0.117	-0.119	0.279	0.145	-0.003	0.003	0.076
	KURTOSIS	0.760	0.831	0.784	0.883	0.870	0.832	0.905	0.907	0.895	0.788	0.798	0.846	0.832	0.790
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt	Coarse Silt	Medium Silt	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Fine Skewed	Fine Skewed	Fine Skewed	Coarse Skewed	Coarse Skewed	Symmetrical	Coarse Skewed	Coarse Skewed	Coarse Skewed	Fine Skewed	Fine Skewed	Symmetrical	Symmetrical	Symmetrical
	KURTOSIS:	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Mesokurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	20.17	24.62	23.35	13.28	9.96	14.49	9.76	11.69	9.65	28.14	21.76	17.75	15.46	14.94
	% MUD:	79.83	75.38	76.65	86.72	90.04	85.51	90.24	88.31	90.35	71.86	78.24	82.25	84.54	85.06
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.09	0.00	0.00	0.04	0.02	0.06	0.00	0.03	0.12	0.11	0.00	0.00	0.00	0.00
	% MEDIUM SAND:	0.37	0.19	0.01	1.19	0.47	0.85	0.21	0.98	0.87	0.37	0.08	0.74	0.65	0.18
	% FINE SAND:	3.62	4.64	3.38	3.86	2.51	3.15	2.82	3.46	2.49	5.02	4.27	4.73	3.84	2.47
	% V FINE SAND:	16.09	19.80	19.96	8.19	6.96	10.43	6.73	7.22	6.17	22.65	17.41	12.27	10.95	12.29
	% V COARSE SILT:	21.52	26.18	24.83	15.17	14.28	18.22	12.93	13.95	13.78	24.19	22.80	19.13	19.00	21.42
	% COARSE SILT:	16.41	16.84	16.37	19.50	19.31	19.45	19.27	19.61	19.69	14.64	18.00	19.71	19.57	19.17
	% MEDIUM SILT:	15.41	12.49	14.03	20.07	20.88	18.82	22.32	20.77	21.24	12.34	15.35	18.49	17.99	16.57
	% FINE SILT:	16.85	12.79	14.16	20.78	22.63	18.86	23.19	21.32	22.53	13.10	14.70	16.96	18.12	17.64
	% V FINE SILT:	8.76	6.47	6.71	10.33	11.78	9.32	11.49	11.37	11.85	6.89	6.85	7.45	9.04	9.33
	% CLAY:	0.87	0.61	0.55	0.87	1.15	0.83	1.04	1.29	1.26	0.70	0.54	0.52	0.83	0.94
% LOI		6.20	6.00	5.51	10.27	10.65	7.36	10.87	9.37	9.23	5.37	6.01	7.65	6.61	7.03

SAMPLE	PARAMETER	NKM 1.2 MC	NKM 1.2 UA	NKM 1.2 UB	NKM 1.2 UC	NKM 1.3 LA	NKM 1.3 LB	NKM 1.3 LC	NKM 1.3 MA	NKM 1.3 MB	NKM 1.3 MC	NKM 1.3 UA	NKM 1.3 UB	NKM 1.3 UC	NKM 1.4 LA
SAMPLE TYPE:		Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Very Coarse Silt	Very Fine Sandy Fine Silt	Fine Silt	Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Fine Silt	Fine Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Fine Silt	Fine Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	35.13	11.51	10.9	11.1	23.6	22.9	19.66	14.60	12.14	17.83	13.1	11.2	14.70	17.845
	MEAN GRAIN SIZE (μm)	26.934	12.701	12.210	12.482	21.698	20.024	18.797	15.200	13.155	17.802	13.907	12.168	14.885	17.335
	SORTING	3.334	3.109	3.010	2.994	3.388	3.319	3.375	3.217	3.053	3.290	3.121	2.982	3.037	3.206
	SKEWNESS	-0.297	0.162	0.197	0.193	-0.068	-0.140	-0.036	0.081	0.122	0.021	0.119	0.137	0.038	-0.016
	KURTOSIS	0.802	0.913	0.940	0.920	0.855	0.766	0.792	0.861	0.857	0.845	0.908	0.884	0.856	0.804
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	4.831	6.441	6.524	6.491	5.408	5.447	5.668	6.098	6.364	5.809	6.257	6.484	6.088	5.808
	MEAN GRAIN SIZE (ϕ):	5.214	6.299	6.356	6.324	5.526	5.642	5.733	6.040	6.248	5.812	6.168	6.361	6.070	5.850
	SORTING	1.737	1.636	1.590	1.582	1.760	1.731	1.755	1.686	1.610	1.718	1.642	1.576	1.603	1.681
	SKEWNESS	0.297	-0.162	-0.197	-0.193	0.068	0.140	0.036	-0.081	-0.122	-0.021	-0.119	-0.137	-0.038	0.016
	KURTOSIS	0.802	0.913	0.940	0.920	0.855	0.766	0.792	0.861	0.857	0.845	0.908	0.884	0.856	0.804
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Medium Silt	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt	Coarse Silt	Medium Silt	Medium Silt	Medium Silt	Coarse Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Fine Skewed	Coarse Skewed	Coarse Skewed	Coarse Skewed	Symmetrical	Fine Skewed	Symmetrical	Symmetrical	Coarse Skewed	Symmetrical	Coarse Skewed	Coarse Skewed	Symmetrical	Symmetrical
	KURTOSIS:	Platykurtic	Mesokurtic	Mesokurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	28.68	10.06	9.18	9.18	20.30	18.52	17.88	12.45	9.67	15.96	11.04	8.23	10.74	14.53
	% MUD:	71.32	89.94	90.82	90.82	79.70	81.48	82.12	87.55	90.33	84.04	88.96	91.77	89.26	85.47
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.03	0.00	0.02	0.19	0.02	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.00	0.00
	% MEDIUM SAND:	0.25	0.33	0.84	0.88	1.17	0.23	0.36	0.69	0.32	0.81	0.22	0.01	0.00	0.30
	% FINE SAND:	5.18	2.98	2.56	2.30	5.40	3.04	4.17	3.31	1.96	4.12	3.46	1.63	1.96	2.93
	% V FINE SAND:	23.21	6.76	5.76	5.80	13.71	15.24	13.35	8.38	7.38	11.01	7.37	6.60	8.78	11.30
	% V COARSE SILT:	25.11	12.21	11.32	12.05	21.33	22.97	19.74	16.08	14.20	17.98	13.58	12.63	16.17	19.86
	% COARSE SILT:	14.45	18.47	18.03	18.28	19.33	17.33	18.10	19.57	18.74	19.78	19.91	19.02	21.25	19.10
	% MEDIUM SILT:	12.14	21.78	23.01	22.66	16.12	14.81	16.66	19.90	21.16	18.70	21.56	21.71	20.69	17.86
	% FINE SILT:	12.63	23.64	25.16	25.29	15.19	16.75	17.61	20.55	22.93	18.11	21.86	23.98	20.05	18.73
	% V FINE SILT:	6.39	12.51	12.28	11.78	7.16	8.79	9.13	10.43	12.00	8.73	11.03	12.98	10.12	9.15
	% CLAY:	0.61	1.33	1.01	0.76	0.57	0.83	0.87	1.02	1.31	0.74	1.02	1.44	0.98	0.76
% LOI		4.14	9.32	11.70	11.45	5.68	5.64	6.67	8.03	8.37	8.14	9.02	9.96	8.38	6.45

SAMPLE	PARAMETER	NKM 1.4 LB	NKM 1.4 LC	NKM 1.4 MA	NKM 1.4 MB	NKM 1.4 MC	NKM 1.4 UA	NKM 1.4 UB	NKM 1.4 UC	NKM 1.5 LA	NKM 1.5 LB	NKM 1.5 LC	NKM 1.5 MA	NKM 1.5 MB	NKM 1.5 MC
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Very Coarse Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Fine Silt	Fine Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	20.315	14.742	17.78	22.35	39.22	12.45	12.7	15.2	23.9	27.0	22.2	17.4	24.0	20.6
	MEAN GRAIN SIZE (μm)	18.405	14.989	16.875	19.864	29.923	13.350	13.324	15.384	20.2	23.0	20.1	16.9	21.37	18.4
	SORTING	3.242	3.176	3.170	3.251	3.430	3.082	2.934	3.166	3.336	3.466	3.361	3.178	3.324	3.232
	SKEWNESS	-0.098	0.042	-0.040	-0.114	-0.287	0.129	0.089	0.046	-0.175	-0.158	-0.102	-0.010	-0.109	-0.115
	KURTOSIS	0.812	0.819	0.826	0.840	0.925	0.914	0.871	0.875	0.791	0.822	0.775	0.846	0.849	0.787
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	5.621	6.084	5.814	5.483	4.672	6.328	6.296	6.036	5.387	5.211	5.494	5.842	5.382	5.599
	MEAN GRAIN SIZE (ϕ):	5.764	6.060	5.889	5.654	5.063	6.227	6.230	6.022	5.633	5.443	5.637	5.888	5.548	5.762
	SORTING	1.697	1.667	1.665	1.701	1.778	1.624	1.553	1.663	1.738	1.793	1.749	1.668	1.733	1.692
	SKEWNESS	0.098	-0.042	0.040	0.114	0.287	-0.129	-0.089	-0.046	0.175	0.158	0.102	0.010	0.109	0.115
	KURTOSIS	0.812	0.819	0.826	0.840	0.925	0.914	0.871	0.875	0.791	0.822	0.775	0.846	0.849	0.787
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Symmetrical	Symmetrical	Symmetrical	Fine Skewed	Fine Skewed	Coarse Skewed	Symmetrical	Symmetrical	Fine Skewed	Fine Skewed	Fine Skewed	Symmetrical	Fine Skewed	Fine Skewed
	KURTOSIS:	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Mesokurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	15.55	11.73	13.11	16.89	31.52	10.31	8.59	12.01	18.11	23.09	19.34	13.31	19.29	15.47
	% MUD:	84.45	88.27	86.89	83.11	68.48	89.69	91.41	87.99	81.89	76.91	80.66	86.69	80.71	84.53
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.00	0.00	0.00	0.02	0.41	0.00	0.00	0.00	0.00	0.30	0.00	0.01	0.09	0.00
	% MEDIUM SAND:	0.03	0.37	0.12	0.84	1.93	0.41	0.01	0.38	0.05	1.37	0.19	0.74	1.22	0.08
	% FINE SAND:	2.88	2.34	2.76	3.55	6.26	2.93	1.76	3.29	3.31	4.49	3.81	2.97	4.24	2.44
	% V FINE SAND:	12.64	9.02	10.23	12.48	22.92	6.97	6.83	8.35	14.75	16.94	15.34	9.60	13.75	12.96
	% V COARSE SILT:	21.35	17.12	19.79	22.44	26.34	12.95	14.43	16.28	23.75	22.87	21.45	19.01	22.61	22.31
	% COARSE SILT:	20.28	19.59	20.78	20.40	14.63	19.62	20.60	20.97	18.82	17.49	17.52	20.86	19.62	19.30
	% MEDIUM SILT:	16.13	18.85	17.75	15.77	10.27	22.15	21.94	20.01	13.75	13.76	15.62	18.50	15.43	15.63
	% FINE SILT:	16.42	20.34	17.98	15.55	10.69	22.32	22.43	19.50	15.34	14.20	16.56	18.26	14.91	16.97
	% V FINE SILT:	9.19	11.12	9.53	8.13	5.89	11.45	11.04	10.13	9.09	7.73	8.67	9.22	7.46	9.29
	% CLAY:	1.08	1.25	1.06	0.81	0.66	1.21	0.97	1.10	1.15	0.85	0.84	0.85	0.68	1.03
% LOI		5.80	7.74	7.33	5.62	6.32	10.15	6.98	8.44	6.19	6.60	4.84	7.23	5.98	6.70

SAMPLE	PARAMETER	NKM 1.5 UA	NKM 1.5 UB	NKM 1.5 UC	NKM 1.6 LA	NKM 1.6 LB	NKM 1.6 LC	NKM 1.6 MA	NKM 1.6 MB	NKM 1.6 MC	NKM 1.6 UA	NKM 1.6 UB	NKM 1.6 UC	NKM 1.7 LA	NKM 1.7 LB
SAMPLE TYPE:		Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Fine Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Fine Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	10.9	14.1	18.3	23.9	19.2	15.4	13.74	19.43	23.47	10.57	15.5	18.4	23.5	20.3
	MEAN GRAIN SIZE (μm)	12.01	14.5	17.4	20.6	18.54	16.6	14.265	17.846	19.758	11.560	15.747	17.756	20.391	18.924
	SORTING	2.967	3.134	3.346	3.391	3.272	3.55	3.078	3.145	3.274	2.893	3.179	3.174	3.362	3.250
	SKEWNESS	0.168	0.070	-0.021	-0.156	-0.031	0.082	0.067	-0.083	-0.180	0.163	0.054	-0.013	-0.145	-0.068
	KURTOSIS	0.920	0.865	0.841	0.771	0.803	0.759	0.823	0.816	0.780	0.944	0.893	0.872	0.778	0.811
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	6.524	6.145	5.774	5.386	5.703	6.017	6.185	5.685	5.413	6.564	6.012	5.765	5.413	5.625
	MEAN GRAIN SIZE (ϕ):	6.380	6.107	5.846	5.604	5.753	5.914	6.131	5.808	5.661	6.435	5.989	5.816	5.616	5.724
	SORTING	1.569	1.648	1.743	1.762	1.710	1.829	1.622	1.653	1.711	1.532	1.669	1.666	1.749	1.701
	SKEWNESS	-0.168	-0.070	0.021	0.156	0.031	-0.082	-0.067	0.083	0.180	-0.163	-0.054	0.013	0.145	0.068
	KURTOSIS	0.920	0.865	0.841	0.771	0.803	0.759	0.823	0.816	0.780	0.944	0.893	0.872	0.778	0.811
FOLK AND WARD METHOD (Description)	MEAN:	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Coarse Silt	Coarse Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Coarse Skewed	Symmetrical	Symmetrical	Fine Skewed	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Fine Skewed	Coarse Skewed	Symmetrical	Symmetrical	Fine Skewed	Symmetrical
	KURTOSIS:	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	8.48	10.90	15.13	19.80	16.88	17.86	10.38	13.81	17.11	7.58	12.67	14.23	19.24	16.71
	% MUD:	91.52	89.10	84.87	80.20	83.12	82.14	89.62	86.19	82.89	92.42	87.33	85.77	80.76	83.29
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
	% COARSE SAND:	0.00	0.03	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.04	0.23	0.05	0.00	0.00
	% MEDIUM SAND:	0.14	0.83	0.91	0.14	0.03	0.53	0.20	0.09	0.20	0.39	0.70	0.80	0.07	0.06
	% FINE SAND:	2.37	2.72	4.08	3.62	3.38	4.19	2.08	2.60	2.46	1.97	3.16	3.52	3.66	3.30
	% V FINE SAND:	5.97	7.32	10.13	16.04	13.47	13.09	8.10	11.12	14.44	5.19	8.58	9.86	15.50	13.35
	% V COARSE SILT:	11.50	15.96	19.17	22.83	19.38	16.47	16.54	21.54	24.17	10.75	15.77	19.16	22.70	20.63
	% COARSE SILT:	18.55	20.27	19.97	17.34	19.30	15.40	19.54	20.72	18.78	18.74	21.31	21.54	17.79	19.67
	% MEDIUM SILT:	22.77	20.02	16.91	14.13	17.52	16.92	19.73	16.93	13.88	23.65	20.43	18.69	14.52	16.94
	% FINE SILT:	24.74	20.85	17.86	15.85	17.45	20.43	21.52	17.26	15.95	25.11	19.21	17.40	15.95	16.66
	% V FINE SILT:	12.71	10.88	9.84	8.97	8.71	11.57	11.19	8.90	9.10	12.84	9.68	8.31	8.80	8.55
	% CLAY:	1.25	1.11	1.12	1.06	0.76	1.36	1.10	0.84	1.00	1.32	0.93	0.68	1.01	0.84
% LOI		10.01	8.41	8.29	6.53	6.04	6.70	7.62	7.12	6.16	10.25	9.07	7.43	5.31	6.18

SAMPLE	PARAMETER	NKM 1.7 LC	NKM 1.7 MA	NKM 1.7 MB	NKM 1.7 MC	NKM 1.7 UA	NKM 1.7 UB	NKM 1.7 UC	NKM 1.8 LA	NKM 1.8 LB	NKM 1.8 LC	NKM 1.8 MA	NKM 1.8 MB	NKM 1.8 MC	NKM 1.8 UA
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Slightly Gravelly Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Mud
SEDIMENT NAME:		Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Slightly Very Fine Gravelly Fine Silt	Fine Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Fine Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	20.15	25.64	28.53	28.16	11.2	12.2	16.06	23.299	19.837	30.956	17.24	21.66	34.39	11.84
	MEAN GRAIN SIZE (μm)	18.894	21.525	23.664	23.017	12.213	13.023	16.288	20.186	18.314	24.382	16.481	18.853	26.537	12.638
	SORTING	3.491	3.317	3.282	3.216	3.082	3.113	3.229	3.263	3.219	3.186	3.251	3.187	3.303	2.976
	SKEWNESS	-0.057	-0.179	-0.199	-0.225	0.156	0.119	0.046	-0.152	-0.077	-0.277	-0.033	-0.148	-0.284	0.121
	KURTOSIS	0.758	0.838	0.864	0.847	0.923	0.885	0.847	0.790	0.795	0.912	0.789	0.803	0.939	0.903
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	5.633	5.285	5.132	5.150	6.486	6.357	5.961	5.424	5.656	5.014	5.858	5.529	4.862	6.401
	MEAN GRAIN SIZE (ϕ):	5.726	5.538	5.401	5.441	6.355	6.263	5.940	5.630	5.771	5.358	5.923	5.729	5.236	6.306
	SORTING	1.804	1.730	1.715	1.685	1.624	1.639	1.691	1.706	1.687	1.672	1.701	1.672	1.724	1.573
	SKEWNESS	0.057	0.179	0.199	0.225	-0.156	-0.119	-0.046	0.152	0.077	0.277	0.033	0.148	0.284	-0.121
	KURTOSIS	0.758	0.838	0.864	0.847	0.923	0.885	0.847	0.790	0.795	0.912	0.789	0.803	0.939	0.903
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Symmetrical	Fine Skewed	Fine Skewed	Fine Skewed	Coarse Skewed	Coarse Skewed	Symmetrical	Fine Skewed	Symmetrical	Fine Skewed	Symmetrical	Fine Skewed	Fine Skewed	Coarse Skewed
	KURTOSIS:	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Mesokurtic	Platykurtic	Platykurtic	Mesokurtic	Mesokurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	19.21	19.06	21.45	20.23	8.82	9.65	13.53	17.85	15.57	20.94	13.59	15.13	25.07	8.57
	% MUD:	80.79	80.94	78.55	79.77	90.85	90.35	86.47	82.15	84.43	79.06	86.41	84.87	74.93	91.43
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.62	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.00	0.00	0.00	0.00	0.19	0.29	0.08	0.00	0.00	0.00	0.00	0.00	0.11	0.00
	% MEDIUM SAND:	0.31	0.61	0.63	0.58	0.22	0.49	0.89	0.28	0.10	0.48	0.02	0.06	1.38	0.21
	% FINE SAND:	4.30	4.22	4.81	3.35	1.99	2.50	3.27	2.83	2.80	3.51	2.61	2.30	4.44	2.37
	% V FINE SAND:	14.61	14.24	16.02	16.29	5.81	6.22	9.29	14.73	12.67	16.94	10.96	12.77	19.13	5.99
	% V COARSE SILT:	19.91	24.65	25.70	26.48	11.86	13.91	17.56	23.52	21.32	28.75	19.84	23.34	28.78	12.80
	% COARSE SILT:	16.56	19.54	19.03	19.22	18.75	19.30	19.68	18.56	19.32	19.50	19.11	20.11	17.36	19.84
	% MEDIUM SILT:	15.28	13.52	13.07	12.90	21.75	20.60	19.28	14.94	16.55	11.41	16.77	15.40	10.26	22.39
	% FINE SILT:	17.80	14.34	13.30	13.41	23.79	22.66	19.52	15.84	17.47	11.67	18.80	16.07	11.21	23.09
	% V FINE SILT:	10.07	7.99	6.83	7.09	13.16	12.45	9.60	8.42	8.97	6.82	10.63	8.90	6.53	12.00
	% CLAY:	1.18	0.90	0.62	0.68	1.53	1.42	0.84	0.87	0.80	0.91	1.26	1.05	0.79	1.29
% LOI		5.01	6.87	5.33	5.85	10.39	9.30	7.89	6.40	5.18	5.31	6.35	6.69	5.19	9.25

SAMPLE	PARAMETER	NKM 1.8 UB	NKM 1.8 UC	NKM 1.9 LA	NKM 1.9 LB	NKM 1.9 LC	NKM 1.9 MA	NKM 1.9 MB	NKM 1.9 MC	NKM 1.9 UA	NKM 1.9 UB	NKM 1.9 UC	NKM 2.1 LA	NKM 2.1 LB	NKM 2.1 LC
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Fine Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Fine Silt	Fine Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Fine Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	15.2	23.3	18.1	19.6	19.5	21.0	12.3	15.8	12.2	11.7	14.7	25.5	22.5	14.5
	MEAN GRAIN SIZE (μm)	15.689	19.508	17.4	18.6	18.9	20.0	13.32	16.0	13.12	12.6	15.1	22.1	20.53	15.3
	SORTING	3.357	3.274	3.270	3.397	3.271	3.505	3.044	3.349	3.184	3.048	3.240	3.396	3.290	3.28
	SKEWNESS	0.076	-0.185	-0.027	-0.040	-0.016	-0.013	0.115	0.041	0.122	0.109	0.041	-0.146	-0.096	0.087
	KURTOSIS	0.879	0.809	0.788	0.772	0.833	0.862	0.824	0.797	0.876	0.829	0.809	0.796	0.793	0.824
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	6.041	5.421	5.785	5.674	5.678	5.577	6.342	5.988	6.360	6.418	6.084	5.291	5.475	6.108
	MEAN GRAIN SIZE (ϕ):	5.994	5.680	5.844	5.745	5.722	5.641	6.231	5.964	6.252	6.308	6.052	5.501	5.606	6.028
	SORTING	1.747	1.711	1.709	1.764	1.710	1.809	1.606	1.744	1.671	1.608	1.696	1.764	1.718	1.713
	SKEWNESS	-0.076	0.185	0.027	0.040	0.016	0.013	-0.115	-0.041	-0.122	-0.109	-0.041	0.146	0.096	-0.087
	KURTOSIS	0.879	0.809	0.788	0.772	0.833	0.862	0.824	0.797	0.876	0.829	0.809	0.796	0.793	0.824
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Coarse Silt	Medium Silt	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Medium Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Symmetrical	Fine Skewed	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Coarse Skewed	Symmetrical	Coarse Skewed	Coarse Skewed	Symmetrical	Fine Skewed	Symmetrical	Symmetrical
	KURTOSIS:	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	13.86	16.36	15.18	18.01	16.94	19.08	9.50	14.50	10.41	8.41	12.30	21.58	19.16	13.37
	% MUD:	86.14	83.64	84.82	81.99	83.06	80.92	90.50	85.50	89.59	91.59	87.70	78.42	80.84	86.63
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.02	0.00	0.00	0.01	0.06	0.02	0.01	0.00	0.01	0.00	0.00	0.03	0.02	0.13
	% MEDIUM SAND:	1.00	0.08	0.33	0.76	0.95	1.78	0.30	0.44	0.43	0.03	0.18	0.92	0.49	0.87
	% FINE SAND:	4.21	2.86	3.11	3.68	3.89	5.33	1.67	3.42	2.82	1.35	2.49	4.48	3.63	2.78
	% V FINE SAND:	8.63	13.42	11.75	13.56	12.05	11.94	7.52	10.65	7.14	7.03	9.63	16.16	15.02	9.59
	% V COARSE SILT:	15.67	24.15	20.23	20.34	19.55	19.56	15.44	17.89	13.91	15.07	17.51	22.96	21.62	16.46
	% COARSE SILT:	19.67	20.12	18.28	16.82	19.65	19.06	18.47	17.82	18.65	18.58	18.67	17.10	18.32	18.17
	% MEDIUM SILT:	19.37	13.80	16.93	16.31	17.98	16.76	20.30	17.50	20.21	19.92	18.46	14.49	16.20	19.16
	% FINE SILT:	19.47	15.06	18.84	18.16	17.25	16.49	23.09	19.96	22.40	23.19	20.17	15.39	16.25	20.81
	% V FINE SILT:	10.64	9.25	9.67	9.45	8.03	8.28	12.04	11.06	12.81	13.23	11.42	7.77	7.82	10.88
	% CLAY:	1.31	1.27	0.86	0.91	0.62	0.77	1.17	1.27	1.63	1.60	1.47	0.71	0.64	1.15
% LOI		8.84	6.13	5.98	5.86	6.16	7.31	5.35	7.91	9.21	7.42	7.48	5.96	6.05	7.54

SAMPLE	PARAMETER	NKM 2.1 MA	NKM 2.1 MA2	NKM 2.1 MB	NKM 2.1 MC	NKM 2.1 UA	NKM 2.1 UB	NKM 2.1 UC	NKM 2.2 LA	NKM 2.2 LB	NKM 2.2 LC	NKM 2.2 MA	NKM 2.2 MB	NKM 2.2 MC	NKM 2.2 UA
SAMPLE TYPE:		Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Mud	Sandy Mud	Sandy Mud	Mud	Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Mud
SEDIMENT NAME:		Very Fine Sandy Medium Silt	Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Fine Silt	Fine Silt	Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Coarse Silt	Medium Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	14.25	10.51	40.02	26.02	10.2	11.7	10.7	19.9	22.85	17.64	14.64	19.10	19.0	12.6
	MEAN GRAIN SIZE (μm)	14.967	11.922	29.585	22.033	11.554	12.779	11.899	18.989	20.795	17.449	14.849	18.034	18.085	13.404
	SORTING	3.101	3.076	3.263	3.406	3.056	2.942	3.020	3.421	3.356	3.332	3.102	3.310	3.201	3.010
	SKEWNESS	0.087	0.207	-0.340	-0.174	0.214	0.163	0.172	-0.020	-0.090	0.017	0.037	-0.051	-0.037	0.116
	KURTOSIS	0.870	0.951	0.874	0.759	0.977	0.938	0.904	0.837	0.822	0.849	0.826	0.791	0.842	0.906
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	6.133	6.572	4.643	5.264	6.619	6.418	6.549	5.650	5.452	5.825	6.094	5.710	5.720	6.313
	MEAN GRAIN SIZE (ϕ):	6.062	6.390	5.079	5.504	6.435	6.290	6.393	5.719	5.588	5.841	6.074	5.793	5.789	6.221
	SORTING	1.633	1.621	1.706	1.768	1.612	1.557	1.594	1.774	1.747	1.736	1.633	1.727	1.679	1.590
	SKEWNESS	-0.087	-0.207	0.340	0.174	-0.214	-0.163	-0.172	0.020	0.090	-0.017	-0.037	0.051	0.037	-0.116
	KURTOSIS	0.870	0.951	0.874	0.759	0.977	0.938	0.904	0.837	0.822	0.849	0.826	0.791	0.842	0.906
FOLK AND WARD METHOD (Description)	MEAN:	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Coarse Silt	Coarse Silt	Medium Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Symmetrical	Coarse Skewed	Very Fine Skewed	Fine Skewed	Coarse Skewed	Coarse Skewed	Coarse Skewed	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Coarse Skewed
	KURTOSIS:	Platykurtic	Mesokurtic	Platykurtic	Platykurtic	Mesokurtic	Mesokurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Mesokurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	11.63	9.18	31.09	22.30	9.07	8.88	8.50	17.62	19.42	15.58	11.03	16.28	15.09	9.89
	% MUD:	88.37	90.82	68.91	77.70	90.93	91.12	91.50	82.38	80.58	84.42	88.97	83.72	84.91	90.11
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.00	0.32	0.08	0.00	0.06	0.07	0.07	0.04	0.00	0.14	0.00	0.02	0.00	0.00
	% MEDIUM SAND:	0.22	1.37	0.71	0.19	0.95	0.75	0.60	1.85	0.86	1.48	0.01	0.33	0.16	0.01
	% FINE SAND:	2.92	2.17	5.56	4.39	2.71	2.53	2.22	3.93	4.47	3.48	2.03	3.10	3.50	2.42
	% V FINE SAND:	8.49	5.31	24.74	17.72	5.36	5.53	5.60	11.80	14.08	10.47	8.99	12.83	11.42	7.46
	% V COARSE SILT:	15.47	11.16	27.62	23.09	10.10	12.17	11.96	19.95	21.49	18.08	16.99	20.36	19.74	13.05
	% COARSE SILT:	20.11	17.41	13.53	15.83	17.20	19.47	18.15	18.63	18.90	19.74	20.16	18.42	20.75	20.08
	% MEDIUM SILT:	21.25	22.47	10.50	14.00	22.86	23.62	21.69	16.87	15.89	18.30	19.55	16.73	17.94	22.60
	% FINE SILT:	20.83	25.36	11.29	15.83	25.84	24.29	24.87	17.37	15.66	18.05	20.32	17.61	17.12	22.27
	% V FINE SILT:	9.88	13.10	5.50	8.19	13.53	10.86	13.41	8.76	7.90	9.31	10.76	9.50	8.54	11.03
	% CLAY:	0.82	1.33	0.47	0.76	1.40	0.71	1.42	0.80	0.74	0.95	1.20	1.10	0.81	1.07
% LOI		9.46	9.71	5.68	6.12	10.33	10.11	9.76	6.29	6.54	6.16	7.88	6.11	6.69	8.84

SAMPLE	PARAMETER	NKM 2.2 UB	NKM 2.2 UC	NKM 2.3 LA	NKM 2.3 LB	NKM 2.3 LC	NKM 2.3 MA	NKM 2.3 MB	NKM 2.3 MC	NKM 2.3 UA	NKM 2.3 UB	NKM 2.3 UC	NKM 2.4 LA	NKM 2.4 LB	NKM 2.4 LC
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Coarse Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	15.49	14.870	25.084	18.531	19.74	22.98	19.42	22.55	13.5	14.1	18.3	19.9	22.6	23.3
	MEAN GRAIN SIZE (μm)	15.859	14.987	21.176	17.994	18.192	20.271	17.844	20.841	13.691	14.467	18.0	18.6	20.8	21.1
	SORTING	3.231	3.155	3.252	3.345	3.236	3.294	3.228	3.381	2.965	3.048	3.214	3.250	3.484	3.581
	SKEWNESS	0.071	0.058	-0.185	-0.012	-0.079	-0.122	-0.084	-0.075	0.044	0.056	0.001	-0.065	-0.090	-0.097
	KURTOSIS	0.901	0.896	0.802	0.806	0.789	0.826	0.786	0.816	0.875	0.853	0.862	0.802	0.751	0.756
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	6.012	6.071	5.317	5.754	5.662	5.443	5.687	5.471	6.206	6.146	5.771	5.649	5.466	5.422
	MEAN GRAIN SIZE (ϕ):	5.979	6.060	5.561	5.796	5.781	5.624	5.808	5.584	6.191	6.111	5.797	5.747	5.586	5.568
	SORTING	1.692	1.657	1.701	1.742	1.694	1.720	1.691	1.757	1.568	1.608	1.684	1.701	1.801	1.840
	SKEWNESS	-0.071	-0.058	0.185	0.012	0.079	0.122	0.084	0.075	-0.044	-0.056	-0.001	0.065	0.090	0.097
	KURTOSIS	0.901	0.896	0.802	0.806	0.789	0.826	0.786	0.816	0.875	0.853	0.862	0.802	0.751	0.756
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Symmetrical	Symmetrical	Fine Skewed	Symmetrical	Symmetrical	Fine Skewed	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Symmetrical
	KURTOSIS:	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	13.06	11.23	18.78	16.56	15.57	17.80	14.93	19.95	8.79	10.47	15.28	16.38	22.33	23.03
	% MUD:	86.94	88.77	81.22	83.44	84.43	82.20	85.07	80.05	91.21	89.53	84.72	83.62	77.67	76.97
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.24	0.05	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM SAND:	1.21	1.29	0.05	0.80	0.06	0.58	0.13	0.71	0.03	0.00	0.35	0.24	0.02	0.53
	% FINE SAND:	3.52	3.01	3.09	3.81	2.73	4.05	2.36	4.80	1.81	2.21	4.05	3.07	4.86	5.41
	% V FINE SAND:	8.08	6.87	15.64	11.94	12.78	13.17	12.44	14.44	6.95	8.26	10.88	13.06	17.45	17.10
	% V COARSE SILT:	15.76	16.14	24.58	19.44	21.36	22.64	21.54	20.85	15.05	15.84	18.43	20.76	19.79	20.14
	% COARSE SILT:	20.93	21.19	18.81	18.33	19.05	19.74	19.10	18.57	21.69	20.70	21.01	19.24	16.22	15.33
	% MEDIUM SILT:	20.26	20.12	14.12	17.26	16.36	15.22	16.32	16.20	21.42	20.58	18.86	16.87	15.42	14.82
	% FINE SILT:	19.52	20.07	14.89	18.20	17.53	15.64	17.54	15.81	20.70	20.79	17.42	17.15	16.51	16.54
	% V FINE SILT:	9.63	10.28	8.01	9.33	9.22	8.18	9.52	7.88	11.04	10.61	8.29	8.75	8.80	9.08
	% CLAY:	0.84	0.98	0.81	0.88	0.89	0.78	1.07	0.73	1.30	1.01	0.70	0.83	0.92	1.06
% LOI		9.98	7.32	6.28	5.69	4.78	6.43	6.67	6.33	9.25	8.69	8.22	6.42	5.94	4.46

SAMPLE	PARAMETER	NKM 2.4 MA	NKM 2.4 MB	NKM 2.4 MC	NKM 2.4 UA	NKM 2.4 UB	NKM 2.4 UC	NKM 3.1 LA	NKM 3.1 LB	NKM 3.1 LC	NKM 3.1 MA	NKM 3.1 MB	NKM 3.1 MC	NKM 3.1 UA	NKM 3.1 UB
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Sandy Mud	Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Fine Silt	Fine Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	19.7	22.3	22.7	11.0	13.0	16.1	29.2	17.5	16.51	25.92	32.39	27.84	13.5	22.9
	MEAN GRAIN SIZE (μm)	18.14	19.9	19.71	11.7	13.5	15.7	23.40	17.3	15.982	21.025	24.168	22.224	14.235	19.714
	SORTING	3.062	3.126	3.252	2.828	3.014	3.157	3.445	3.42	3.222	3.274	3.422	3.441	3.219	3.282
	SKEWNESS	-0.085	-0.118	-0.143	0.124	0.071	-0.002	-0.230	-0.002	-0.027	-0.228	-0.315	-0.233	0.105	-0.156
	KURTOSIS	0.828	0.838	0.807	0.921	0.851	0.816	0.823	0.783	0.785	0.798	0.763	0.788	0.899	0.805
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	5.665	5.489	5.463	6.505	6.264	5.961	5.098	5.836	5.921	5.270	4.948	5.167	6.215	5.447
	MEAN GRAIN SIZE (ϕ):	5.785	5.651	5.665	6.414	6.215	5.993	5.417	5.856	5.967	5.572	5.371	5.492	6.134	5.665
	SORTING	1.614	1.644	1.701	1.500	1.592	1.659	1.784	1.773	1.688	1.711	1.775	1.783	1.687	1.715
	SKEWNESS	0.085	0.118	0.143	-0.124	-0.071	0.002	0.230	0.002	0.027	0.228	0.315	0.233	-0.105	0.156
	KURTOSIS	0.828	0.838	0.807	0.921	0.851	0.816	0.823	0.783	0.785	0.798	0.763	0.788	0.899	0.805
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Coarse Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Symmetrical	Fine Skewed	Fine Skewed	Coarse Skewed	Symmetrical	Symmetrical	Fine Skewed	Symmetrical	Symmetrical	Fine Skewed	Very Fine Skewed	Fine Skewed	Coarse Skewed	Fine Skewed
	KURTOSIS:	Platykurtic	Platykurtic	Platykurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	13.39	16.07	16.88	6.78	9.09	11.86	23.13	16.69	12.85	18.42	25.48	21.79	11.78	17.06
	% MUD:	86.61	83.93	83.12	93.22	90.91	88.14	76.87	83.31	87.15	81.58	74.52	78.21	88.22	82.94
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.00	0.00	0.02	0.14	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM SAND:	0.08	0.22	0.35	0.30	0.03	0.32	0.67	0.15	0.00	0.00	0.00	0.31	0.44	0.12
	% FINE SAND:	2.35	3.21	3.01	1.38	2.03	2.45	4.76	3.66	1.81	2.50	3.32	4.14	3.60	3.12
	% V FINE SAND:	10.96	12.64	13.51	4.96	7.02	9.06	17.69	12.88	11.04	15.92	22.16	17.34	7.73	13.82
	% V COARSE SILT:	21.76	22.93	23.13	11.46	15.23	18.70	24.95	18.33	19.39	25.79	25.70	25.01	14.05	23.32
	% COARSE SILT:	21.63	20.90	19.65	20.02	20.37	20.19	17.24	17.81	19.21	18.82	14.19	16.81	19.72	19.54
	% MEDIUM SILT:	17.46	16.46	15.02	23.76	20.50	18.13	12.19	16.85	17.28	12.87	11.56	12.20	20.81	14.61
	% FINE SILT:	17.03	15.65	15.81	24.28	21.84	19.54	13.33	18.39	18.87	14.38	13.65	14.20	20.96	15.48
	% V FINE SILT:	8.12	7.41	8.60	12.41	11.69	10.46	8.05	10.59	10.97	8.61	8.27	8.77	11.31	8.88
	% CLAY:	0.61	0.58	0.91	1.29	1.27	1.11	1.13	1.35	1.43	1.11	1.15	1.23	1.37	1.10
% LOI		7.21	5.46	5.59	7.80	9.40	8.21	5.81	6.06	6.98	5.45	4.04	5.27	9.64	6.76

SAMPLE	PARAMETER	NKM 3.1 UC	NKM 3.2 LA	NKM 3.2 LB	NKM 3.2 LC	NKM 3.2 MA	NKM 3.2 MB	NKM 3.2 MC	NKM 3.2 UA	NKM 3.2 UB	NKM 3.2 UC	NKM 3.3 LA	NKM 3.3 LB	NKM 3.3 LC	NKM 3.3 MA
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Sandy Mud	Mud	Slightly Gravelly Sandy Mud	Sandy Mud	Sandy Mud	Mud	Mud	Sandy Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Coarse Silt	Slightly Very Fine Gravelly Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Fine Silt	Fine Silt	Very Fine Sandy Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Coarse Silt	Very Fine Sandy Fine Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	24.3	18.8	19.69	13.11	23.90	28.40	26.3	10.0	12.27	13.791	24.847	20.785	14.28	12.85
	MEAN GRAIN SIZE (μm)	20.210	17.404	17.817	13.104	20.389	22.626	22.111	10.602	12.747	14.047	20.322	18.206	14.090	13.607
	SORTING	3.280	3.093	3.250	2.984	3.459	3.401	3.312	2.816	2.988	3.096	3.242	3.260	3.115	3.138
	SKEWNESS	-0.199	-0.081	-0.107	0.016	-0.154	-0.245	-0.188	0.105	0.072	0.046	-0.219	-0.134	0.006	0.077
	KURTOSIS	0.779	0.815	0.765	0.826	0.785	0.789	0.813	0.890	0.854	0.827	0.804	0.794	0.835	0.802
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	5.363	5.734	5.666	6.253	5.387	5.138	5.249	6.646	6.348	6.180	5.331	5.588	6.130	6.282
	MEAN GRAIN SIZE (ϕ):	5.629	5.844	5.811	6.254	5.616	5.466	5.499	6.560	6.294	6.154	5.621	5.779	6.149	6.200
	SORTING	1.714	1.629	1.701	1.577	1.790	1.766	1.728	1.494	1.579	1.631	1.697	1.705	1.639	1.650
	SKEWNESS	0.199	0.081	0.107	-0.016	0.154	0.245	0.188	-0.105	-0.072	-0.046	0.219	0.134	-0.006	-0.077
	KURTOSIS	0.779	0.815	0.765	0.826	0.785	0.789	0.813	0.890	0.854	0.827	0.804	0.794	0.835	0.802
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt	Medium Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Fine Skewed	Symmetrical	Fine Skewed	Symmetrical	Fine Skewed	Fine Skewed	Fine Skewed	Coarse Skewed	Symmetrical	Symmetrical	Fine Skewed	Fine Skewed	Symmetrical	Symmetrical
	KURTOSIS:	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% SAND:	17.73	12.85	15.20	7.37	19.18	22.32	20.54	5.23	7.97	10.12	17.08	15.04	9.83	10.08
	% MUD:	82.27	87.15	84.80	92.63	80.40	77.68	79.46	94.77	92.03	89.88	82.92	84.96	90.17	89.92
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.00	0.01	0.00	0.00	0.21	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
	% MEDIUM SAND:	0.00	0.19	0.00	0.01	0.47	0.03	0.18	0.27	0.00	0.06	0.14	0.02	0.07	0.02
	% FINE SAND:	2.38	1.77	1.53	0.95	3.04	3.76	4.00	0.90	1.30	2.05	2.19	2.56	1.96	1.37
	% V FINE SAND:	15.35	10.88	13.67	6.42	14.77	18.53	16.37	3.99	6.68	8.01	14.75	12.45	7.80	8.69
	% V COARSE SILT:	24.85	21.26	21.88	16.40	22.93	25.11	24.39	11.10	14.48	16.35	25.55	22.60	16.68	16.39
	% COARSE SILT:	18.18	21.20	18.68	21.30	17.44	16.55	18.32	19.41	20.45	20.12	19.66	19.71	21.00	18.42
	% MEDIUM SILT:	13.79	17.55	15.67	19.51	13.78	12.53	13.85	22.44	20.63	19.22	13.25	15.09	18.92	18.90
	% FINE SILT:	15.38	17.19	17.24	21.11	15.58	13.84	14.24	24.76	22.25	21.03	14.48	16.41	19.84	21.97
	% V FINE SILT:	8.91	8.99	10.04	12.63	9.39	8.42	7.76	14.93	12.67	11.79	8.81	9.83	12.05	12.67
	% CLAY:	1.16	0.96	1.28	1.69	1.27	1.22	0.89	2.14	1.54	1.36	1.18	1.31	1.68	1.57
% LOI		6.18	7.35	6.17	8.54	5.52	5.06	6.16	9.99	9.35	8.45	6.27	5.21	7.63	6.80

SAMPLE	PARAMETER	NKM 3.3 MB	NKM 3.3 MC	NKM 3.3 UA	NKM 3.3 UB	NKM 3.3 UC
SAMPLE TYPE:		Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Fine Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Coarse Silt	Fine Silt	Very Fine Sandy Fine Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	12.00	24.43	15.3	11.9	13.5
	MEAN GRAIN SIZE (μm)	13.337	20.263	15.729	12.479	14.331
	SORTING	3.192	3.338	3.213	3.000	3.250
	SKEWNESS	0.140	-0.195	0.065	0.080	0.113
	KURTOSIS	0.833	0.779	0.894	0.866	0.895
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	6.380	5.355	6.033	6.391	6.208
	MEAN GRAIN SIZE (ϕ):	6.228	5.625	5.990	6.324	6.125
	SORTING	1.675	1.739	1.684	1.585	1.700
	SKEWNESS	-0.140	0.195	-0.065	-0.080	-0.113
	KURTOSIS	0.833	0.779	0.894	0.866	0.895
FOLK AND WARD METHOD (Description)	MEAN:	Medium Silt	Coarse Silt	Coarse Silt	Medium Silt	Medium Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Coarse Skewed	Fine Skewed	Symmetrical	Symmetrical	Coarse Skewed
	KURTOSIS:	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.00	0.00	0.00	0.00	0.00
	% SAND:	11.00	18.28	13.13	7.94	11.94
	% MUD:	89.00	81.72	86.87	92.06	88.06
	% V COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00
	% COARSE GRAVEL:	0.00	0.00	0.00	0.00	0.00
	% MEDIUM GRAVEL:	0.00	0.00	0.00	0.00	0.00
	% FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00
	% V FINE GRAVEL:	0.00	0.00	0.00	0.00	0.00
	% V COARSE SAND:	0.00	0.00	0.00	0.00	0.00
	% COARSE SAND:	0.00	0.00	0.00	0.00	0.03
	% MEDIUM SAND:	0.09	0.22	0.21	0.01	0.92
	% FINE SAND:	2.19	2.77	3.92	1.25	3.64
	% V FINE SAND:	8.72	15.29	9.00	6.68	7.35
	% V COARSE SILT:	14.47	24.49	15.22	13.79	14.40
	% COARSE SILT:	17.44	18.03	20.97	20.13	19.50
	% MEDIUM SILT:	19.72	13.43	20.69	21.04	20.32
	% FINE SILT:	23.09	15.33	19.13	22.33	21.23
	% V FINE SILT:	12.81	9.20	9.78	13.03	11.35
	% CLAY:	1.47	1.23	1.09	1.74	1.26
% LOI		8.68	6.01	10.40	8.35	8.92

Appendix 2. Results of Particle Size Analysis at Cherry Cobb Sands

SAMPLE	PARAMETER	CCS N1 U2	CCS N1 UA	CCS N1 UB	CCS N1 UC	CCS N1 MA	CCS N1 MB	CCS N1 MC	CCS N1 LA	CCS N1 LB	CCS N1 LC	CCS N2 U2	CCS N2 UA	CCS N2 UB	CCS N2 UC
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Very Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Slightly Gravelly Sandy Mud	Sandy Mud	Slightly Gravelly Sandy Mud	Slightly Gravelly Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Muddy Sand	Muddy Sand	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Coarse Silt	Slightly Very Fine Gravelly Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Slightly Very Fine Gravelly Very Fine Sandy Very Coarse Silt	Slightly Very Fine Gravelly Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Coarse Silty Very Fine Sand	Very Coarse Silty Very Fine Sand	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	19.6	26.9	30.5	21.5	24.0	38.0	36.3	43.7	77.5	79.9	18.0	19.7	18.21	25.97
	MEAN GRAIN SIZE (μm)	19.5	24.1	25.6	20.5	21.76	29.1	26.85	31.7	72.4	50.3	18.32	19.0	17.133	22.542
	SORTING	3.545	4.092	3.564	3.654	3.687	3.565	3.534	3.582	2.262	3.589	3.538	3.63	3.333	3.552
	SKEWNESS	0.030	-0.039	-0.152	-0.009	-0.063	-0.264	-0.311	-0.322	-0.343	-0.513	0.054	0.004	-0.044	-0.109
	KURTOSIS	0.871	0.918	0.902	0.851	0.826	0.845	0.808	0.908	1.765	1.042	0.871	0.845	0.797	0.888
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	5.672	5.218	5.037	5.536	5.384	4.717	4.783	4.517	3.689	3.645	5.795	5.668	5.779	5.267
	MEAN GRAIN SIZE (ϕ):	5.683	5.377	5.288	5.608	5.522	5.103	5.219	4.981	3.787	4.313	5.770	5.721	5.867	5.471
	SORTING	1.826	2.033	1.834	1.869	1.882	1.834	1.821	1.841	1.177	1.844	1.823	1.859	1.737	1.828
	SKEWNESS	-0.030	0.039	0.152	0.009	0.063	0.264	0.311	0.322	0.343	0.513	-0.054	-0.004	0.044	0.109
	KURTOSIS	0.871	0.918	0.902	0.851	0.826	0.845	0.808	0.908	1.765	1.042	0.871	0.845	0.797	0.888
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Very Coarse Silt	Very Fine Sand	Very Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt
	SORTING:	Poorly Sorted	Very Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Symmetrical	Symmetrical	Fine Skewed	Symmetrical	Symmetrical	Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Symmetrical	Symmetrical	Symmetrical	Fine Skewed
	KURTOSIS:	Platykurtic	Mesokurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Mesokurtic	Very Leptokurtic	Mesokurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.000	0.003	0.000	0.402	0.147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% SAND:	18.826	25.465	25.481	20.334	22.689	31.939	29.969	35.146	65.377	61.297	17.777	18.708	14.900	21.469
	% MUD:	81.174	74.532	74.519	79.264	77.164	68.061	70.031	64.854	34.623	38.703	82.223	81.292	85.100	78.531
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	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	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% FINE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% V FINE GRAVEL:	0.000	0.003	0.000	0.402	0.147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% V COARSE SAND:	0.000	0.319	0.000	0.698	0.325	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE SAND:	0.221	1.613	0.064	0.454	0.638	0.229	0.003	0.392	0.077	0.139	0.053	0.097	0.017	0.342
	% MEDIUM SAND:	2.147	3.939	2.681	1.982	2.022	2.390	0.598	2.588	0.526	1.494	1.861	2.163	0.728	2.684
	% FINE SAND:	5.106	5.940	6.463	4.264	4.998	6.822	6.240	7.379	16.650	23.771	5.149	5.071	3.047	4.564
	% V FINE SAND:	11.351	13.654	16.273	12.937	14.706	22.497	23.128	24.787	48.123	35.891	10.713	11.377	11.109	13.880
	% V COARSE SILT:	18.340	20.555	23.802	19.662	20.459	24.146	24.812	25.595	22.050	12.246	17.122	19.034	20.342	23.070
	% COARSE SILT:	18.865	16.661	17.511	17.195	16.366	13.334	13.372	12.000	2.187	6.173	18.947	17.856	18.577	18.503
	% MEDIUM SILT:	17.569	13.549	13.032	16.251	14.976	11.593	10.946	9.594	3.879	7.403	18.105	16.122	16.247	14.141
	% FINE SILT:	17.199	14.602	12.873	16.783	16.010	12.178	12.431	10.957	3.913	7.893	17.933	17.586	18.177	14.321
	% V FINE SILT:	8.439	8.168	6.636	8.526	8.443	6.182	7.418	6.003	2.281	4.476	9.182	9.598	10.432	7.656
	% CLAY:	0.763	0.996	0.665	0.847	0.910	0.629	1.053	0.705	0.313	0.512	0.934	1.096	1.324	0.839
% LOI		8.05	7.00	5.99	7.23	6.12	4.43	5.18	4.63	3.52	3.21	9.09	8.22	7.74	6.61

SAMPLE	PARAMETER	CCS N2 MA	CCS N2 MB	CCS N2 MC	CCS N2 LA	CCS N2 LB	CCS N2 LC	CCS N4 U2	CCS N4 UA	CCS N4 UB	CCS N4 UC	CCS N4 MA	CCS N4 MB	CCS N4 MC	CCS N4 LA
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	30.60	29.30	33.0	28.7	34.5	58.9	25.33	14.96	17.56	20.16	23.2	19.6	53.80	29.657
	MEAN GRAIN SIZE (μm)	25.169	23.391	24.936	24.056	27.106	38.727	22.900	14.948	16.954	18.708	19.836	19.085	39.610	23.848
	SORTING	3.903	3.410	3.456	3.647	3.775	3.712	3.475	3.298	3.468	3.296	3.445	3.618	3.408	3.673
	SKEWNESS	-0.146	-0.238	-0.295	-0.159	-0.222	-0.425	-0.079	0.047	0.012	-0.048	-0.149	-0.016	-0.331	-0.205
	KURTOSIS	0.862	0.813	0.800	0.793	0.788	0.873	0.887	0.883	0.864	0.873	0.787	0.760	1.212	0.764
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	5.030	5.093	4.922	5.125	4.859	4.086	5.303	6.062	5.832	5.632	5.431	5.671	4.216	5.075
	MEAN GRAIN SIZE (ϕ):	5.312	5.418	5.326	5.377	5.205	4.691	5.448	6.064	5.882	5.740	5.656	5.711	4.658	5.390
	SORTING	1.964	1.770	1.789	1.867	1.916	1.892	1.797	1.722	1.794	1.721	1.785	1.855	1.769	1.877
	SKEWNESS	0.146	0.238	0.295	0.159	0.222	0.425	0.079	-0.047	-0.012	0.048	0.149	0.016	0.331	0.205
	KURTOSIS	0.862	0.813	0.800	0.793	0.788	0.873	0.887	0.883	0.864	0.873	0.787	0.760	1.212	0.764
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Very Coarse Silt	Coarse Silt	Medium Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Very Coarse Silt	Coarse Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Fine Skewed	Very Fine Skewed	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Fine Skewed	Symmetrical	Very Fine Skewed	Fine Skewed
	KURTOSIS:	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Platykurtic	Leptokurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% SAND:	27.197	22.967	26.056	26.396	31.491	47.979	21.796	12.050	15.266	15.878	18.608	20.848	43.045	26.902
	% MUD:	72.803	77.033	73.944	73.604	68.509	52.021	78.204	87.950	84.734	84.122	81.392	79.152	56.955	73.098
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	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	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% FINE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% V FINE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% V COARSE SAND:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.000
	% COARSE SAND:	0.370	0.002	0.008	0.136	0.488	0.273	0.133	0.103	0.106	0.050	0.018	0.028	1.178	0.002
	% MEDIUM SAND:	3.536	0.708	0.673	1.667	2.107	1.978	2.245	1.481	1.734	1.312	0.834	1.137	3.218	0.988
	% FINE SAND:	6.779	4.424	4.634	6.317	7.546	14.255	5.396	3.158	4.093	4.031	3.755	4.680	8.444	6.321
	% V FINE SAND:	16.512	17.832	20.740	18.276	21.350	31.474	14.023	7.308	9.333	10.486	14.001	15.004	30.118	19.591
	% V COARSE SILT:	22.279	25.269	25.795	21.567	21.181	18.443	22.002	16.188	18.319	20.530	22.897	18.768	26.549	21.950
	% COARSE SILT:	15.380	16.688	14.755	15.027	13.129	8.486	19.068	20.592	19.546	20.782	17.746	15.194	9.704	13.845
	% MEDIUM SILT:	12.207	12.521	11.411	13.486	12.118	8.990	15.373	18.649	16.863	17.003	13.901	15.797	7.579	12.737
	% FINE SILT:	13.771	13.553	13.039	14.769	13.668	9.851	14.225	19.660	18.162	16.495	15.840	17.996	8.206	14.820
	% V FINE SILT:	8.088	7.920	7.826	7.920	7.542	5.583	6.899	11.406	10.516	8.478	9.664	10.116	4.408	8.607
	% CLAY:	1.078	1.084	1.118	0.835	0.872	0.668	0.637	1.455	1.327	0.835	1.344	1.280	0.510	1.140
% LOI		7.07	5.73	5.68	6.22	5.53	4.39	5.53	7.60	7.98	7.02	5.48	7.60	5.18	5.41

SAMPLE	PARAMETER	CCS N4 LB	CCS N4 LC	CCS S1 UA	CCS S1 UB	CCS S1 UC	CCS S1 MA	CCS S1 MB	CCS S1 MC	CCS S1 LA	CCS S1 LB	CCS S1 LC	CCS S2 UA	CCS S2 UB	CCS S2 UC
SAMPLE TYPE:		Trimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Muddy Sand	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Sandy Mud	Muddy Sand	Muddy Sand	Sandy Mud	Sandy Mud	Sandy Mud
SEDIMENT NAME:		Very Coarse Silty Very Fine Sand	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Coarse Silty Fine Sand	Very Coarse Silty Fine Sand	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	63.133	33.567	32.30	41.28	25.03	26.76	37.1	38.5	43.8	107.1	121.0	26.6	41.3	33.7
	MEAN GRAIN SIZE (μm)	45.194	27.813	26.230	31.243	21.665	22.398	28.034	28.529	32.1	71.1	86.0	22.1	31.03	26.2
	SORTING	3.941	3.918	3.526	3.189	3.287	3.424	3.324	3.470	3.482	3.366	3.205	3.497	3.139	3.258
	SKEWNESS	-0.302	-0.183	-0.205	-0.334	-0.151	-0.170	-0.311	-0.315	-0.344	-0.548	-0.523	-0.177	-0.368	-0.289
	KURTOSIS	1.252	0.714	0.829	1.017	0.824	0.843	0.906	0.810	0.948	1.240	1.687	0.827	1.121	0.896
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	3.985	4.897	4.952	4.598	5.320	5.224	4.753	4.700	4.514	3.223	3.047	5.233	4.596	4.891
	MEAN GRAIN SIZE (ϕ):	4.468	5.168	5.253	5.000	5.528	5.480	5.157	5.131	4.961	3.813	3.540	5.503	5.010	5.252
	SORTING	1.978	1.970	1.818	1.673	1.717	1.776	1.733	1.795	1.800	1.751	1.680	1.806	1.650	1.704
	SKEWNESS	0.302	0.183	0.205	0.334	0.151	0.170	0.311	0.315	0.344	0.548	0.523	0.177	0.368	0.289
	KURTOSIS	1.252	0.714	0.829	1.017	0.824	0.843	0.906	0.810	0.948	1.240	1.687	0.827	1.121	0.896
FOLK AND WARD METHOD (Description)	MEAN:	Very Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Coarse Silt	Very Coarse Silt	Very Fine Sand	Very Fine Sand	Coarse Silt	Coarse Silt	Coarse Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Very Fine Skewed	Fine Skewed	Fine Skewed	Very Fine Skewed	Fine Skewed	Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Fine Skewed	Very Fine Skewed	Fine Skewed
	KURTOSIS:	Leptokurtic	Platykurtic	Platykurtic	Mesokurtic	Platykurtic	Platykurtic	Mesokurtic	Platykurtic	Mesokurtic	Leptokurtic	Very Leptokurtic	Platykurtic	Leptokurtic	Platykurtic
BULK GRAIN SIZE	% GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% SAND:	50.476	36.050	27.909	31.340	19.561	20.965	28.459	31.980	35.549	70.093	76.649	21.312	29.858	25.061
	% MUD:	49.524	63.950	72.091	68.660	80.439	79.035	71.541	68.020	64.451	29.907	23.351	78.688	70.142	74.939
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	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	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% FINE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% V FINE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% V COARSE SAND:	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% COARSE SAND:	2.376	0.275	0.030	0.034	0.000	0.009	0.137	0.011	0.000	0.025	0.004	0.008	0.049	0.002
	% MEDIUM SAND:	5.643	1.142	1.468	0.937	0.624	1.385	1.048	0.820	0.234	4.715	8.339	1.326	0.634	0.377
	% FINE SAND:	11.992	11.518	6.782	5.936	4.149	4.571	5.097	6.489	9.355	36.984	39.912	4.618	5.009	4.727
	% V FINE SAND:	30.464	23.115	19.629	24.432	14.789	15.001	22.178	24.661	25.960	28.369	28.395	15.359	24.165	19.954
	% V COARSE SILT:	21.580	15.303	23.116	29.517	23.780	24.430	27.918	24.376	25.722	8.008	5.886	24.046	32.215	27.850
	% COARSE SILT:	7.473	11.966	15.620	14.918	18.893	18.250	15.340	12.862	13.320	6.962	4.381	17.639	15.341	17.474
	% MEDIUM SILT:	6.937	13.526	12.853	8.840	14.734	13.334	10.242	11.324	8.532	5.110	4.457	13.031	7.280	10.877
	% FINE SILT:	8.179	14.679	13.109	9.548	14.796	14.302	11.029	12.290	9.903	5.671	5.145	14.307	8.570	11.419
	% V FINE SILT:	4.761	7.694	6.714	5.258	7.517	7.846	6.243	6.472	6.096	3.675	3.113	8.492	5.778	6.525
	% CLAY:	0.593	0.782	0.679	0.580	0.719	0.873	0.768	0.696	0.878	0.481	0.369	1.173	0.958	0.793
% LOI		5.38	5.14	4.38	4.01	4.97	4.57	4.82	3.89	3.76	1.86	2.23	6.73	4.69	5.24

SAMPLE	PARAMETER	CCS S2 MA	CCS S2 MB	CCS S2 MC	CCS S2 LA	CCS S2 LB	CCS S2 LC	CCS S3 UA	CCS S3 UB	CCS S3 UC	CCS S3 MA	CCS S3 MB	CCS S3 MB2	CCS S3 MC	CCS S3 LA
SAMPLE TYPE:		Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Moderately Sorted	Unimodal, Poorly Sorted	Unimodal, Moderately Sorted	Unimodal, Moderately Well Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted	Unimodal, Poorly Sorted	Unimodal, Moderately Sorted	Bimodal, Poorly Sorted	Bimodal, Poorly Sorted
TEXTURAL GROUP:		Sandy Mud	Sandy Mud	Muddy Sand	Muddy Sand	Slightly Gravelly Sand	Sand	Sandy Mud	Sandy Mud	Sandy Mud	Slightly Gravelly Sandy Mud	Muddy Sand	Sand	Muddy Sand	Sandy Mud
SEDIMENT NAME:		Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Coarse Silty Very Fine Sand	Very Coarse Silty Very Fine Sand	Slightly Very Fine Gravelly Fine Sand	Moderately Well Sorted Fine Sand	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Very Fine Sandy Very Coarse Silt	Slightly Very Fine Gravelly Very Fine Sandy Very Coarse Silt	Very Coarse Silty Very Fine Sand	Moderately Sorted Fine Sand	Very Coarse Silty Very Fine Sand	Very Fine Sandy Very Coarse Silt
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	37.4	49.6	106.5	80.3	141.2	164.4	24.37	41.95	39.66	55.88	77.8	121.3	81.8	57.8
	MEAN GRAIN SIZE (μm)	27.28	33.4	104.3	63.5	136.41	161.6	20.893	31.313	29.039	42.382	57.771	117.094	56.335	41.626
	SORTING	3.520	3.511	1.828	2.982	1.837	1.54	3.460	3.170	3.372	3.053	3.006	1.822	3.348	3.742
	SKEWNESS	-0.325	-0.433	-0.250	-0.411	-0.218	-0.077	-0.144	-0.371	-0.350	-0.397	-0.470	-0.314	-0.475	-0.339
	KURTOSIS	0.856	0.889	1.530	1.477	1.345	1.037	0.823	0.988	0.850	1.228	1.424	1.867	1.278	0.971
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	4.741	4.334	3.231	3.638	2.824	2.604	5.358	4.575	4.656	4.161	3.684	3.043	3.612	4.114
	MEAN GRAIN SIZE (ϕ):	5.196	4.905	3.261	3.977	2.874	2.630	5.581	4.997	5.106	4.560	4.114	3.094	4.150	4.586
	SORTING	1.816	1.812	0.870	1.576	0.877	0.621	1.791	1.665	1.754	1.610	1.588	0.866	1.743	1.904
	SKEWNESS	0.325	0.433	0.250	0.411	0.218	0.077	0.144	0.371	0.350	0.397	0.470	0.314	0.475	0.339
	KURTOSIS	0.856	0.889	1.530	1.477	1.345	1.037	0.823	0.988	0.850	1.228	1.424	1.867	1.278	0.971
FOLK AND WARD METHOD (Description)	MEAN:	Coarse Silt	Very Coarse Silt	Very Fine Sand	Very Fine Sand	Fine Sand	Fine Sand	Coarse Silt	Very Coarse Silt	Coarse Silt	Very Coarse Silt	Very Coarse Silt	Very Fine Sand	Very Coarse Silt	Very Coarse Silt
	SORTING:	Poorly Sorted	Poorly Sorted	Moderately Sorted	Poorly Sorted	Moderately Sorted	Moderately Well Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Poorly Sorted	Moderately Sorted	Poorly Sorted	Poorly Sorted
	SKEWNESS:	Very Fine Skewed	Very Fine Skewed	Fine Skewed	Very Fine Skewed	Fine Skewed	Symmetrical	Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed	Very Fine Skewed
	KURTOSIS:	Platykurtic	Platykurtic	Very Leptokurtic	Leptokurtic	Leptokurtic	Mesokurtic	Platykurtic	Mesokurtic	Platykurtic	Leptokurtic	Leptokurtic	Very Leptokurtic	Leptokurtic	Mesokurtic
BULK GRAIN SIZE	% GRAVEL:	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000
	% SAND:	29.761	40.536	86.105	63.019	91.166	97.887	19.608	32.336	31.952	44.647	62.049	91.313	62.705	47.318
	% MUD:	70.239	59.464	13.895	36.981	8.830	2.113	80.392	67.664	68.048	55.313	37.951	8.687	37.295	52.682
	% V COARSE GRAVEL:	0.000	0.000	0.000	0.000	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	0.000	0.000	0.000	0.000
	% MEDIUM GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% FINE GRAVEL:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	% V FINE GRAVEL:	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000
	% V COARSE SAND:	0.000	0.000	0.000	0.009	0.210	0.000	0.000	0.000	0.000	0.077	0.000	0.000	0.000	0.021
	% COARSE SAND:	0.019	0.003	0.000	0.456	0.157	0.001	0.082	0.000	0.000	0.376	0.241	0.000	0.085	0.827
	% MEDIUM SAND:	0.873	0.085	0.445	2.377	9.408	14.187	0.838	0.002	0.008	0.737	0.844	1.276	2.328	3.291
	% FINE SAND:	6.060	8.745	35.463	22.286	49.990	60.531	4.678	5.578	6.170	9.774	20.575	46.055	24.354	15.243
	% V FINE SAND:	22.809	31.703	50.197	37.891	31.401	23.168	14.010	26.757	25.774	33.683	40.388	43.982	35.937	27.935
	% V COARSE SILT:	26.508	23.284	7.869	17.267	3.771	0.729	22.949	28.634	25.912	27.114	16.783	2.287	14.472	19.935
	% COARSE SILT:	14.052	10.361	1.594	5.770	2.006	1.104	18.668	14.778	13.584	9.969	6.037	1.883	5.783	10.104
	% MEDIUM SILT:	9.586	8.493	2.037	4.898	1.221	0.109	13.831	8.694	10.182	6.399	5.400	1.949	6.138	8.185
	% FINE SILT:	11.603	10.044	1.469	5.316	1.219	0.141	14.958	9.209	11.207	7.025	5.728	1.645	6.779	8.993
	% V FINE SILT:	7.398	6.358	0.902	3.300	0.612	0.030	8.812	5.569	6.385	4.241	3.555	0.885	3.728	4.929
	% CLAY:	1.093	0.924	0.024	0.431	0.001	0.000	1.175	0.780	0.778	0.566	0.449	0.039	0.395	0.536
% LOI		4.32	3.81	1.67	4.20	1.35	1.39	6.55	4.18	4.69	3.41	3.35	1.41	3.16	4.56

SAMPLE	PARAMETER	CCS S3 LB	CCS S3 LC
SAMPLE TYPE:		Unimodal, Poorly Sorted	Unimodal, Moderately Sorted
TEXTURAL GROUP:		Muddy Sand	Sand
SEDIMENT NAME:		Very Coarse Silty Fine Sand	Moderately Sorted Fine Sand
FOLK AND WARD METHOD (μm)	MEDIAN GRAIN SIZE D_{50} (μm)	117.37	160.01
	MEAN GRAIN SIZE (μm)	102.348	154.337
	SORTING	2.661	1.820
	SKEWNESS	-0.392	-0.228
	KURTOSIS	1.614	1.273
FOLK AND WARD METHOD (ϕ)	MEDIAN GRAIN SIZE D_{50} (ϕ):	3.091	2.644
	MEAN GRAIN SIZE (ϕ):	3.288	2.696
	SORTING	1.412	0.864
	SKEWNESS	0.392	0.228
	KURTOSIS	1.614	1.273
FOLK AND WARD METHOD (Description)	MEAN:	Very Fine Sand	Fine Sand
	SORTING:	Poorly Sorted	Moderately Sorted
	SKEWNESS:	Very Fine Skewed	Fine Skewed
	KURTOSIS:	Very Leptokurtic	Leptokurtic
BULK GRAIN SIZE	% GRAVEL:	0.000	0.000
	% SAND:	77.392	91.636
	% MUD:	22.608	8.364
	% V COARSE GRAVEL:	0.000	0.000
	% COARSE GRAVEL:	0.000	0.000
	% MEDIUM GRAVEL:	0.000	0.000
	% FINE GRAVEL:	0.000	0.000
	% V FINE GRAVEL:	0.000	0.000
	% V COARSE SAND:	0.000	0.000
	% COARSE SAND:	0.027	0.005
	% MEDIUM SAND:	8.197	16.832
	% FINE SAND:	38.326	51.606
	% V FINE SAND:	30.842	23.193
	% V COARSE SILT:	9.791	3.841
	% COARSE SILT:	3.908	1.812
	% MEDIUM SILT:	2.891	0.915
	% FINE SILT:	3.439	1.215
	% V FINE SILT:	2.262	0.577
	% CLAY:	0.317	0.003
% LOI		2.23	1.73

Appendix 3. Species data from North Killingholme

Abundance per 0.01m^2	NKM 1.1 LA	NKM 1.1 LB	NKM 1.1 LC	NKM 1.1 MA	NKM 1.1 MB	NKM 1.1 MC	NKM 1.1 UA	NKM 1.1 UB	NKM 1.1 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	26	0	0	5	0	0	1	0
Eteone longa/flava agg.	0	0	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	1	0	0	3	1	13	1	0	9
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	0	0	0	0
Streblospio shrubsolii	0	0	0	0	0	2	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	9	0	5	18	214	39	0	0	0
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	31	73	3	0	135	30	3	20	0
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	4	2	0	0	2	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	1	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	23	0
Diptera larvae	0	0	0	0	2	0	0	4	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 1.1 LA	NKM 1.1 LB	NKM 1.1 LC	NKM 1.1 MA	NKM 1.1 MB	NKM 1.1 MC	NKM 1.1 UA	NKM 1.1 UB	NKM 1.1 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0.0000552	0	0	0.0000184	0	0	0.0000184	0
Eteone longa/flava agg.	0	0	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0.0013708	0	0	0.0057961	0.0041869	0.034717	0.0014006	0	0.048127
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	0	0	0	0
Streblospio shrubsolii	0	0	0	0	0	0.000032	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00065219	0	0.00023177	0.00105105	0.01174481	0.00192962	0	0	0
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.00544	0.005904	0.000272	0	0.015792	0.004512	0.002912	0.01008	0
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	5.4948E-06	0.010654417	0	0	1.64844E-05	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0.00001365	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0.00001365	0
Diptera larvae	0	0	0	0	0.00028665	0	0	0.00091455	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 1.2 LA	NKM 1.2 LB	NKM 1.2 LC	NKM 1.2 MA	NKM 1.2 MB	NKM 1.2 MC	NKM 1.2 UA	NKM 1.2 UB	NKM 1.2 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	0	0	6	0	0	3	0
Eteone longa/flava agg.	0	0	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	1	2	1	0	0	2
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	2	0	0	2	0	0	0	0
Streblospio shrubsolii	1	17	0	0	3	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	3	4	0	91	11	2	0	0	43
Tubificoides (pseudogaster) agg.	0	0	0	1	0	0	0	0	0
Tubificoides swirencoides	1	4	1	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	53	6	7	55	24	49	0	6	3
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	2	2	0	2	7	0	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	24	0	0	19	0
Diptera larvae	0	0	0	0	0	0	0	4	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 1.2 LA	NKM 1.2 LB	NKM 1.2 LC	NKM 1.2 MA	NKM 1.2 MB	NKM 1.2 MC	NKM 1.2 UA	NKM 1.2 UB	NKM 1.2 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	0	0	0.0000184	0	0	0.0000184	0
Eteone longa/flava agg.	0	0	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0.0024883	0.0038442	0.0008493	0	0	0.0587656
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0000111	0	0	0.0000111	0	0	0	0
Streblospio shrubsolii	0.000016	0.00056	0	0	0.000016	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00023177	0.00014014	0	0.00730345	0.00060907	0.00010241	0	0	0.00416108
Tubificoides (pseudogaster) agg.	0	0	0	0.00011858	0	0	0	0	0
Tubificoides swirencoides	0.00000539	0.00000539	0.00000539	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.009712	0.00064	0.0008	0.010976	0.00232	0.011968	0	0.000256	0.001728
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0.00287378	5.4948E-06	0	0.005824488	0.000445079	0	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0.00001365	0	0	0.00001365	0
Diptera larvae	0	0	0	0	0	0	0	0.0011193	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 1.3 LA	NKM 1.3 LB	NKM 1.3 LC	NKM 1.3 MA	NKM 1.3 MB	NKM 1.3 MC	NKM 1.3 UA	NKM 1.3 UB	NKM 1.3 UC
Nemertea	0	1	0	0	P	0	0	0	0
Nematoda	0	6	1	0	7	0	0	4	0
Eteone longa/flava agg.	0	1	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	0	0	20	21	1
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	1	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	1	1	0	0	0
Streblospio shrubsolii	2	13	9	1	4	1	0	7	0
Tharyx sp.	0	0	0	0	0	1	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	18	3	1	96	65	34	5	132	96
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	12	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	82	168	9	36	262	46	5	164	0
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0	7	1	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	1	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	1	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

AFDW Biomass (g) per 0.01m^2	NKM 1.3 LA	NKM 1.3 LB	NKM 1.3 LC	NKM 1.3 MA	NKM 1.3 MB	NKM 1.3 MC	NKM 1.3 UA	NKM 1.3 UB	NKM 1.3 UC
Nemertea	0	0.000022	0	0	0.000022	0	0	0	0
Nematoda	0	0.0000184	0.0000184	0	0.0000184	0	0	0.0000184	0
Eteone longa/flava agg.	0	0.0000136	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	0	0	0.1058794	0.0757069	0.0068242
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0.0000175	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0.0000111	0.0000111	0	0	0
Streblospio shrubsolii	0.000032	0.000432	0.000272	0.000176	0.000016	0.000016	0	0.000432	0
Tharyx sp.	0	0	0	0	0	0.000064	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00090013	0.00006468	0.00000539	0.00818202	0.00264649	0.00288904	0.0001078	0.00516901	0.0107261
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0.00007546	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.011776	0.018448	0.000448	0.007392	0.019216	0.00552	0.00232	0.013552	0
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0	0.000522006	5.4948E-06	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0.0004582	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0.00001365	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 1.4 LA	NKM 1.4 LB	NKM 1.4 LC	NKM 1.4 MA	NKM 1.4 MB	NKM 1.4 MC	NKM 1.4 UA	NKM 1.4 UB	NKM 1.4 UC
Nemertea	0	0	0	0	1	1	0	0	0
Nematoda	5	6	0	0	6	5	0	0	0
Eteone longa/flava agg.	0	0	0	1	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	1	0	0	0	0	0	16	33	2
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	1	1	0	0	0
Streblospio shrubsolii	9	26	6	0	3	14	0	6	0
Tharyx sp.	0	0	0	0	0	1	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	7	7	4	34	58	68	4	62	85
Tubificoides (pseudogaster) agg.	0	0	0	0	0	1	0	1	0
Tubificoides swirencoides	0	0	6	0	0	1	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	105	118	2	37	61	151	14	159	35
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	1	5	2	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 1.4 LA	NKM 1.4 LB	NKM 1.4 LC	NKM 1.4 MA	NKM 1.4 MB	NKM 1.4 MC	NKM 1.4 UA	NKM 1.4 UB	NKM 1.4 UC
Nemertea	0	0	0	0	0.000308	0.000022	0	0	0
Nematoda	0.0000184	0.0000184	0	0	0.0000184	0.0000184	0	0	0
Eteone longa/flava agg.	0	0	0	0.0004352	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0.0005662	0	0	0	0	0	0.1399557	0.1683402	0.016092
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0.0000111	0.0000111	0	0	0
Streblospio shrubsolii	0.000096	0.001008	0.000032	0	0.000016	0.000448	0	0.00032	0
Tharyx sp.	0	0	0	0	0	0.000016	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00051205	0.00029645	0.00020482	0.0028567	0.00340109	0.00157927	0.00015631	0.00109956	0.00610687
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0.00000539	0	0.00000539	0
Tubificoides swirencoides	0	0	0.00007546	0	0	0.00001078	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.00712	0.010144	0.000016	0.006512	0.004368	0.008512	0.004864	0.013216	0.008864
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0.00013737	0.000730808	0.018110861	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 1.5 LA	NKM 1.5 LB	NKM 1.5 LC	NKM 1.5 MA	NKM 1.5 MB	NKM 1.5 MC	NKM 1.5 UA	NKM 1.5 UB	NKM 1.5 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	4	3	0	9	1	3	0	0	9
Eteone longa/flava agg.	1	0	0	3	0	1	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	2	0	41	19	33
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	1	1	4	0	0	0
Streblospio shrubsolii	15	40	13	28	6	8	0	0	10
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	4	5	3	104	26	53	10	5	555
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	1	0	0
Tubificoides swirencoides	0	0	2	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	48	97	10	84	133	31	37	148
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	13	5	17	0	0	1
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	1	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	4	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 1.5 LA	NKM 1.5 LB	NKM 1.5 LC	NKM 1.5 MA	NKM 1.5 MB	NKM 1.5 MC	NKM 1.5 UA	NKM 1.5 UB	NKM 1.5 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0.0000184	0.0000184	0	0.0000184	0.0000184	0.0000184	0	0	0.0000184
Eteone longa/flava agg.	0.000272	0	0	0.0014416	0	0.0001632	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	0.0002086	0	0.0966265	0.1025269	0.037846
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0.0000111	0.0000111	0.0001554	0	0	0
Streblospio shrubsolii	0.000352	0.000864	0.000544	0.001408	0.000032	0.000256	0	0	0.000352
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00017248	0.00020482	0.00011858	0.00364364	0.00165473	0.0027489	0.00057673	0.00008085	0.0208593
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0.00000539	0	0
Tubificoides swirencoides	0	0	0.00004851	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	0.005056	0.01136	0.001024	0.0068	0.01016	0.01168	0.004288	0.022432
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0.001016538	5.4948E-06	0.000516511	0	0	5.4948E-06
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0.0156194	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0.00105105	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 1.6 LA	NKM 1.6 LB	NKM 1.6 LC	NKM 1.6 MA	NKM 1.6 MB	NKM 1.6 MC	NKM 1.6 UA	NKM 1.6 UB	NKM 1.6 UC
Nemertea	0	0	0	0	1	0	0	0	0
Nematoda	0	3	0	4	1	1	0	5	4
Eteone longa/flava agg.	0	1	0	0	0	1	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	3	1	1	18	82	27
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	1	1	0	0	0	0
Streblospio shrubsolii	0	13	0	3	1	2	0	3	3
Tharyx sp.	0	1	0	0	1	7	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	2	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	4	6	2	23	47	40	0	46	262
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	1	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	49	0	0	144	181	110	2	202	165
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	1	0	36	7	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	1	0	0	0	0	1	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 1.6 LA	NKM 1.6 LB	NKM 1.6 LC	NKM 1.6 MA	NKM 1.6 MB	NKM 1.6 MC	NKM 1.6 UA	NKM 1.6 UB	NKM 1.6 UC
Nemertea	0	0	0	0	0.000638	0	0	0	0
Nematoda	0	0.0000184	0	0.0000184	0.0000184	0.0000184	0	0.0000184	0.0000184
Eteone longa/flava agg.	0	0.0000952	0	0	0	0.0000136	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0.0046339	0.0009983	0.0021605	0.1348897	0.1275291	0.0550853
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0.0000111	0.0000111	0	0	0	0
Streblospio shrubsolii	0	0.000352	0	0.000192	0.000016	0.000176	0	0.000016	0.000192
Tharyx sp.	0	0.000144	0	0	0.000144	0.001248	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0.000016	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00013475	0.00024255	0.00011858	0.00181643	0.00275429	0.00163856	0	0.0012397	0.01056979
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0.00000539	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.003744	0	0	0.019376	0.018864	0.009152	0.00048	0.022656	0.02
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0.005544253	0	0.001631956	0.014407366	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0.0007371	0	0	0	0	0.00091455	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 1.7 LA	NKM 1.7 LB	NKM 1.7 LC	NKM 1.7 MA	NKM 1.7 MB	NKM 1.7 MC	NKM 1.7 UA	NKM 1.7 UB	NKM 1.7 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	2	5	0	54	26	7	0	7	5
Eteone longa/flava agg.	1	1	0	0	0	6	0	0	1
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	1	0	41	15	8
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	1	2	2	0	0	0	0
Streblospio shrubsolii	12	16	0	3	2	6	0	1	16
Tharyx sp.	0	0	0	0	0	3	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	38	17	4	35	113	112	0	245	142
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	72	5	1	226	190	126	1	188	221
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	14	14	1	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 1.7 LA	NKM 1.7 LB	NKM 1.7 LC	NKM 1.7 MA	NKM 1.7 MB	NKM 1.7 MC	NKM 1.7 UA	NKM 1.7 UB	NKM 1.7 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0.0000184	0.0000184	0	0.0000552	0.0000368	0.0000184	0	0.0000184	0.0000184
Eteone longa/flava agg.	0.0001496	0.0000136	0	0	0	0.00102	0	0	0.0000136
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	0.0027118	0	0.201299	0.0642637	0.0213964
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0.0000111	0.0000111	0.0000333	0	0	0	0
Streblospio shrubsolii	0.000464	0.000496	0	0.000016	0.000016	0.000048	0	0.000016	0.000608
Tharyx sp.	0	0	0	0	0	0.000736	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00121814	0.00040964	0.00012397	0.00155771	0.00523369	0.00534149	0	0.0095403	0.00600985
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.005488	0.00048	0.000288	0.017152	0.020208	0.010544	0.000656	0.016752	0.019936
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0.001060496	0.00067586	0.000912137	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 1.8 LA	NKM 1.8 LB	NKM 1.8 LC	NKM 1.8 MA	NKM 1.8 MB	NKM 1.8 MC	NKM 1.8 UA	NKM 1.8 UB	NKM 1.8 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	0	1	7	0	0	27	0
Eteone longa/flava agg.	1	0	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	0	0	2	21	7
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	1	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	2	0	0	0	0	0	0	0
Streblospio shrubsolii	0	0	0	0	1	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	2	1	1	8	44	17	0	0	30
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	7	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	69	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	3	0	1	70	178	8	2	95	25
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	1	1	0	1	11	0	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	1	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	1	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

AFDW Biomass (g) per 0.01m^2	NKM 1.8 LA	NKM 1.8 LB	NKM 1.8 LC	NKM 1.8 MA	NKM 1.8 MB	NKM 1.8 MC	NKM 1.8 UA	NKM 1.8 UB	NKM 1.8 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	0	0.0000184	0.0000184	0	0	0.0000552	0
Eteone longa/flava agg.	0.0005032	0	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	0	0	0.0158834	0.0653365	0.0176416
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0.00035	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0001776	0	0	0	0	0	0	0
Streblospio shrubsolii	0	0	0	0	0.000016	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.0001617	0.00000539	0.00000539	0.00069531	0.00213444	0.0012936	0	0	0.00141218
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0.00003773	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0.00025333	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.000448	0	0.000352	0.010784	0.021216	0.000768	0.0008	0.012	0.004128
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0.005538758	0.000109896	0	5.4948E-06	0.002412217	0	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0.00001365	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0.00045045	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 1.9 LA	NKM 1.9 LB	NKM 1.9 LC	NKM 1.9 MA	NKM 1.9 MB	NKM 1.9 MC	NKM 1.9 UA	NKM 1.9 UB	NKM 1.9 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	0	0	5	0	0	4	0
Eteone longa/flava agg.	0	1	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	1	3	0	12	10	4
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	0	0	0	0
Streblospio shrubsolii	0	0	0	0	1	0	0	2	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	3	2	0	2	42	33	0	2	1
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	4	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	7	0	0	15	163	52	22	209	37
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	1	0	1	0	1	4	0	0	1
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 1.9 LA	NKM 1.9 LB	NKM 1.9 LC	NKM 1.9 MA	NKM 1.9 MB	NKM 1.9 MC	NKM 1.9 UA	NKM 1.9 UB	NKM 1.9 UC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	0	0	0.0000184	0	0	0.0000184	0
Eteone longa/flava agg.	0	0.0000136	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0.0036952	0.0060643	0	0.0675864	0.0525821	0.0065262
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	0	0	0	0
Streblospio shrubsolii	0	0	0	0	0.000016	0	0	0.000352	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00015631	0.00001078	0	0.00002156	0.00132594	0.00189728	0	0.00000539	0.00005929
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0.00000539	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.000912	0	0	0.002752	0.014704	0.008416	0.004912	0.024992	0.007936
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0.008286158	0	0.000214297	0	5.4948E-06	0.001582502	0	0	0.000109896
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 2.1 LA	NKM 2.1 LB	NKM 2.1 LC	NKM 2.1 MA	NKM 2.1 MA2	NKM 2.1 MB	NKM 2.1 MC	NKM 2.1 UA	NKM 2.1 UB
Nemertea	0	0	0	1	0	1	0	0	0
Nematoda	0	4	3	0	0	21	0	0	1
Eteone longa/flava agg.	1	1	2	1	0	1	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	1	0	0	0	0	1
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	1	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	2	0	1	0	5	0	0	0
Streblospio shrubsolii	0	5	24	0	9	5	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	2	6	1	24	180	13	2	0	106
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	23	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	56	2	3	46	239	163	47	0	4
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	1	1	4	0	4	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	1	0	0	0	4	0	0	3
Diptera larvae	0	0	0	0	0	0	0	0	1
Diptera sp.	0	0	0	0	0	0	0	0	0

AFDW Biomass (g) per 0.01m^2	NKM 2.1 LA	NKM 2.1 LB	NKM 2.1 LC	NKM 2.1 MA	NKM 2.1 MA2	NKM 2.1 MB	NKM 2.1 MC	NKM 2.1 UA	NKM 2.1 UB
Nemertea	0	0	0	0.000022	0	0.000022	0	0	0
Nematoda	0	0.0000184	0.0000184	0	0	0.0000736	0	0	0.0000184
Eteone longa/flava agg.	0.00034	0.0000136	0.0000136	0.0000136	0	0.0005848	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0.0051703	0	0	0	0	0.0097744
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0.00574	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0000111	0	0.0000333	0	0.0002109	0	0	0
Streblospio shrubsolii	0	0.000384	0.000656	0	0.000528	0.000016	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00004851	0.00012397	0.00000539	0.00135289	0.00940555	0.00083006	0.00006468	0	0.00846769
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0.00029106	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.010624	0.000192	0.000016	0.007008	0.027696	0.013456	0.01008	0	0.000368
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	5.4948E-06	0.010044494	0.00028573	0	5.4948E-06	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0.00001365	0	0	0	0.00001365	0	0	0.00001365
Diptera larvae	0	0	0	0	0	0	0	0	0.00012285
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 2.1 UC	NKM 2.2 LA	NKM 2.2 LB	NKM 2.2 LC	NKM 2.2 MA	NKM 2.2 MB	NKM 2.2 MC	NKM 2.2 UA	NKM 2.2 UB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	4	6	1	0	6	0	0	1
Eteone longa/flava agg.	0	2	0	1	0	0	1	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	2	1	2	16	30
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	1	0	0	1	2	1	0	0
Streblospio shrubsolii	0	13	43	1	1	2	1	0	3
Tharyx sp.	0	0	0	0	0	1	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	4	0
Tubificoides benedii	38	28	1	0	64	38	36	5	25
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	1	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	2	194	166	5	16	208	51	12	82
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0	1	3	1	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 2.1 UC	NKM 2.2 LA	NKM 2.2 LB	NKM 2.2 LC	NKM 2.2 MA	NKM 2.2 MB	NKM 2.2 MC	NKM 2.2 UA	NKM 2.2 UB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0.0000184	0.0000184	0.0000184	0	0.0000184	0	0	0.0000184
Eteone longa/flava agg.	0	0.0000136	0	0.0000544	0	0	0.000136	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0	0.0036505	0.0021605	0.0040379	0.1353814	0.1966949
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0000111	0	0	0.0000111	0.0000111	0.0000111	0	0
Streblospio shrubsolii	0	0.000352	0.001488	0.000016	0.000016	0.000016	0.000016	0	0.000016
Tharyx sp.	0	0	0	0	0	0.000176	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0.00005929	0
Tubificoides benedii	0.00267344	0.00084623	0.00000539	0	0.00554631	0.00244706	0.00285131	0.00014014	0.00058212
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0.00000539	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.000016	0.01608	0.016128	0.000096	0.002768	0.022032	0.006624	0.003376	0.007152
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0	1.64844E-05	0.012105044	1.64844E-05	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 2.2 UC	NKM 2.3 LA	NKM 2.3 LB	NKM 2.3 LC	NKM 2.3 MA	NKM 2.3 MB	NKM 2.3 MC	NKM 2.3 UA	NKM 2.3 UB
Nemertea	0	0	0	0	0	1	0	0	0
Nematoda	0	0	2	0	4	5	2	0	3
Eteone longa/flava agg.	0	2	1	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	1	0	0	0	0	0	0	19	13
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	1	0	2	2	4	1	0	0
Streblospio shrubsolii	1	17	20	30	6	5	16	0	7
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	139	43	4	11	89	59	25	1	74
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	3	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	40	16	125	14	0	132	159	20	169
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0	5	13	3	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	1	0
AFDW Biomass (g) per 0.01m^2	NKM 2.2 UC	NKM 2.3 LA	NKM 2.3 LB	NKM 2.3 LC	NKM 2.3 MA	NKM 2.3 MB	NKM 2.3 MC	NKM 2.3 UA	NKM 2.3 UB
Nemertea	0	0	0	0	0	0.000022	0	0	0
Nematoda	0	0	0.0000184	0	0.0000184	0.0000184	0.0000184	0	0.0000184
Eteone longa/flava agg.	0	0.0002856	0.0000136	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0.0022052	0	0	0	0	0	0	0.0511219	0.0359835
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0000111	0	0.000222	0.0000333	0.0000888	0.0000111	0	0
Streblospio shrubsolii	0.000016	0.000688	0.00096	0.00096	0.000032	0.00016	0.00024	0	0.000176
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.0085701	0.00191345	0.00001078	0.00028567	0.00506121	0.00181643	0.00084623	0.00009163	0.00333102
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0.00001078	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.01112	0.001024	0.020672	0.002896	0	0.010736	0.01384	0.004656	0.022032
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0	0.001615471	4.94532E-05	5.4948E-06	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0.000273	0

Abundance per 0.01m^2	NKM 2.3 UC	NKM 2.4 LA	NKM 2.4 LB	NKM 2.4 LC	NKM 2.4 MA	NKM 2.4 MB	NKM 2.4 MC	NKM 2.4 UA	NKM 2.4 UB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	4	6	0	3	4	5	0	1
Eteone longa/flava agg.	0	3	1	0	0	0	1	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	12	0	0	0	0	0	1	2	21
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	1	0	0	0	1	0	0
Streblospio shrubsolii	2	7	4	0	4	5	11	0	2
Tharyx sp.	0	0	1	0	0	1	1	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	103	6	2	1	113	14	38	0	17
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	1	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	60	4	105	0	155	199	131	0	63
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	1	1	0	0	0	17	10	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	1	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	1	0
Diptera sp.	0	0	0	0	0	0	0	0	0

AFDW Biomass (g) per 0.01m^2	NKM 2.3 UC	NKM 2.4 LA	NKM 2.4 LB	NKM 2.4 LC	NKM 2.4 MA	NKM 2.4 MB	NKM 2.4 MC	NKM 2.4 UA	NKM 2.4 UB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0.0000184	0.0000184	0	0.0000184	0.0000184	0.0000184	0	0.0000184
Eteone longa/flava agg.	0	0.0002992	0.0000136	0	0	0	0.0003672	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0.03278	0	0	0	0	0	0.0075394	0.0174032	0.115177
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0.0000111	0	0	0	0.0000111	0	0
Streblospio shrubsolii	0.000016	0.000016	0.000144	0	0.00016	0.00024	0.000416	0	0.000016
Tharyx sp.	0	0	0.000016	0	0	0.00032	0.000016	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00659736	0.0001078	0.00006468	0.00000539	0.00729267	0.00038808	0.00103488	0	0.00042042
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0.00000539	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.011952	0.000496	0.014304	0	0.01264	0.015936	0.009696	0	0.007456
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	5.4948E-06	0.00715423	0	0	0	0.000664871	0.000109896	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0.000273	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0.0003003	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 2.4 UC	NKM 3.1 LA	NKM 3.1 LB	NKM 3.1 LC	NKM 3.1 MA	NKM 3.1 MB	NKM 3.1 MC	NKM 3.1 UA	NKM 3.1 UB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	7	0	0	12	0	0	6
Eteone longa/flava agg.	0	0	1	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	8	0	0	0	3	5	0	0	10
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	0	0	0	0
Streblospio shrubsolii	3	0	13	0	0	4	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	1	0	0	0	0	0	0	0
Tubificoides benedii	140	3	8	2	8	11	7	2	2
Tubificoides (pseudogaster) agg.	0	0	0	0	1	0	0	0	19
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	1	0	0	21
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	98	28	1	0	47	206	38	2	89
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	2	3	0	2	1	3	2	0	1
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	P	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 2.4 UC	NKM 3.1 LA	NKM 3.1 LB	NKM 3.1 LC	NKM 3.1 MA	NKM 3.1 MB	NKM 3.1 MC	NKM 3.1 UA	NKM 3.1 UB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	0.0000184	0	0	0.0000184	0	0	0.0000184
Eteone longa/flava agg.	0	0	0.0000272	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0.0112644	0	0	0	0.0069434	0.0078225	0	0	0.0482462
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	0	0	0	0
Streblospio shrubsolii	0.00016	0	0.00032	0	0	0.000016	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0.00000539	0	0	0	0	0	0	0
Tubificoides benedii	0.00556787	0.0000539	0.00019943	0.00001078	0.00036113	0.000539	0.0004312	0.00016709	0.00007546
Tubificoides (pseudogaster) agg.	0	0	0	0	0.00000539	0	0	0	0.00067375
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0.00000539	0	0	0.00001078
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.01104	0.005568	0.000016	0	0.005808	0.016208	0.008	0.00048	0.00832
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	7.69272E-05	0.024798032	0	0.004868393	0.001186877	0.000906642	0.008203736	0	0.004989278
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0	0	0.0003549	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 3.1 UC	NKM 3.2 LA	NKM 3.2 LB	NKM 3.2 LC	NKM 3.2 MA	NKM 3.2 MB	NKM 3.2 MC	NKM 3.2 UA	NKM 3.2 UB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	1	24	0	0	12	0	0	4
Eteone longa/flava agg.	0	0	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	4	0	0	0	5	4	0	0	5
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	P	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	0	0	0	0
Streblospio shrubsolii	0	2	12	0	0	1	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	1	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	7	2	5	0	26	13	2	0	0
Tubificoides (pseudogaster) agg.	0	0	1	0	0	0	0	0	6
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	1	0	0	0	0	0	5
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	19	38	82	0	17	103	34	0	20
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	1	1	3	0	3	3	1	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	1
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	15
Diptera larvae	0	0	0	0	0	0	0	0	10
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 3.1 UC	NKM 3.2 LA	NKM 3.2 LB	NKM 3.2 LC	NKM 3.2 MA	NKM 3.2 MB	NKM 3.2 MC	NKM 3.2 UA	NKM 3.2 UB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0.0000184	0.0001104	0	0	0.0125672	0	0	0.0000184
Eteone longa/flava agg.	0	0	0	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0.0126948	0	0	0	0.0235122	0.0101767	0	0	0.0425395
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0.000016	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	0	0	0	0
Streblospio shrubsolii	0	0.00024	0.00032	0	0	0.000032	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0.000016	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00052822	0.00012397	0.00025333	0	0.00117502	0.00047971	0.00009163	0	0
Tubificoides (pseudogaster) agg.	0	0	0.00000539	0	0	0	0	0	0.00022099
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0.00000539	0	0	0	0	0	0.00000539
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0.004352	0.006032	0.008	0	0.003152	0.011456	0.006384	0	0.00272
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0.000478048	0.014396376	0.001692398	0	0.011890747	0.013033666	0.005862952	0	0
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0.00001365
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0.00004095
Diptera larvae	0	0	0	0	0	0	0	0	0.0013104
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	NKM 3.2 UC	NKM 3.3 LA	NKM 3.3 LB	NKM 3.3 LC	NKM 3.3 MA	NKM 3.3 MB	NKM 3.3 MC	NKM 3.3 UA	NKM 3.3 UB	NKM 3.3 UC
Nemertea	0	1	0	0	0	0	0	0	0	0
Nematoda	0	0	30	0	0	10	0	0	29	0
Eteone longa/flava agg.	0	0	1	0	0	0	0	0	0	0
Nereididae	0	P	0	0	0	0	0	0	0	0
Hediste diversicolor	27	0	1	0	19	15	0	11	20	17
Nephtyidae	0	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	1	0	3	0	0
Streblospio shrubsolii	0	1	19	0	0	18	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	1	0	0	0	0	0	7	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	15	26	0	4	86	33	0	1	0
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	176	0
Copepoda	0	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0	0
Corophium volutator	7	29	204	8	17	179	11	14	156	6
Cyathura carinata	0	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0	0
Macoma balthica	0	2	1	0	2	2	2	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	1	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	1	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	2	0
Diptera larvae	0	0	0	0	0	0	0	0	2	0
Diptera sp.	0	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	NKM 3.2 UC	NKM 3.3 LA	NKM 3.3 LB	NKM 3.3 LC	NKM 3.3 MA	NKM 3.3 MB	NKM 3.3 MC	NKM 3.3 UA	NKM 3.3 UB	NKM 3.3 UC
Nemertea	0	0.000176	0	0	0	0	0	0	0	0
Nematoda	0	0	0.0002944	0	0	0.0000184	0	0	0.0001104	0
Eteone longa/flava agg.	0	0	0.000068	0	0	0	0	0	0	0
Nereididae	0	0.0005066	0	0	0	0	0	0	0	0
Hediste diversicolor	0.096105	0	0.0018625	0	0.0465774	0.0392019	0	0.0516732	0.1131655	0.0992638
Nephtyidae	0	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0	0	0	0	0.0000111	0	0.0000111	0	0
Streblospio shrubsolii	0	0.000128	0.000656	0	0	0.00088	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0.000016	0	0	0	0	0	0.000016	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0.0005929	0.0008085	0	0.00030723	0.00466235	0.00169246	0	0.00000539	0
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0	0	0	0.00071687	0
Copepoda	0	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0	0
Corophium volutator	0.001008	0.00432	0.0208	0.000416	0.005664	0.022992	0.001488	0.003008	0.015104	0.001472
Cyathura carinata	0	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0.001686904	0.004456283	0	0.006093733	0.002038571	0.008483971	0	0	0
Abra sp.	0	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0.00001365	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0.0007371	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0.00001365	0
Diptera larvae	0	0	0	0	0	0	0	0	0.000273	0
Diptera sp.	0	0	0	0	0	0	0	0	0	0

Appendix 4. Species data from Cherry Cobb Sands

Abundance per 0.01m^2	CCS N1 U2	CCS N1 UA	CCS N1 UB	CCS N1 UC	CCS N1 MA	CCS N1 MB	CCS N1 MC	CCS N1 LA	CCS N1 LB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	17	190	71	14	0	47	8	35	0
Eteone longa/flava agg.	3	0	1	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	P	0
Hediste diversicolor	37	18	3	2	5	16	9	0	0
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	1	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	4	2	0	7	0	12	2	0
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	41	2	0	0	2	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	2	0	0	0	0	4	22	1	0
Tubificoides (pseudogaster) agg.	18	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	30	69	30	12	16	8	13	10	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	3	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	2	0	39	37	0	17	1
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	1	1	14	0	0	0	0	0
Diptera larvae	2	1	1	3	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	CCS N1 U2	CCS N1 UA	CCS N1 UB	CCS N1 UC	CCS N1 MA	CCS N1 MB	CCS N1 MC	CCS N1 LA	CCS N1 LB
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0.0000184	0.0009384	0.0003312	0.0000184	0	0.0002208	0.0000184	0.0001472	0
Eteone longa/flava agg.	0.0004352	0	0.0000136	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0.0000149	0
Hediste diversicolor	0.195488	0.3194709	0.0339869	0.0078374	0.0787465	0.2494707	0.0589742	0	0
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0.01141	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0000111	0.0000111	0	0.0002886	0	0.0003219	0.0000111	0
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0.000048	0.000016	0	0	0.000016	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00000539	0	0	0	0	0.00021021	0.00116963	0.00000539	0
Tubificoides (pseudogaster) agg.	0.0005929	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0.00010241	0.00014014	0.00016709	0.00002156	0.00000539	0.00000539	0.00001617	0.00001617	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0.00068675	0	0	0	0	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0.00933017	0	0.01317653	0.014753538	0	0.001626461	0.00550579
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0.00001365	0.00001365	0.00001365	0	0	0	0	0
Diptera larvae	0.0003822	0.0001911	0.00017745	0.0006552	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	CCS N1 LC	CCS N2 U2	CCS N2 UA	CCS N2 UB	CCS N2 UC	CCS N2 MA	CCS N2 MB	CCS N2 MC	CCS N2 LA
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	29	1	0	23	312	124	12	79
Eteone longa/flava agg.	0	0	2	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	33	28	5	7	9	7	4	14
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	1	0	0	0	2	0	1	7
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	8	0	12	41	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	1	0	P	0	2	0	0	0
Tubificoides (pseudogaster) agg.	0	42	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	1	144	0	0	32	52	31	19	52
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	0	0	0	0	1
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	1	0	0	0	2	1	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	3	3	2	0	0	4	0	2	2
Abra sp.	0	0	1	0	0	0	0	0	0
Abra tenuis	0	0	3	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	1	0	1
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	1	2	0	1	25	0
Diptera larvae	0	1	2	0	1	0	2	2	0
Diptera sp.	0	0	0	0	0	0	0	0	0

AFDW Biomass (g) per 0.01m^2	CCS N1 LC	CCS N2 U2	CCS N2 UA	CCS N2 UB	CCS N2 UC	CCS N2 MA	CCS N2 MB	CCS N2 MC	CCS N2 LA
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0.0001472	0.0000184	0	0.0000184	0.0023368	0.000828	0.0000184	0.0003864
Eteone longa/flava agg.	0	0	0.000544	0	0	0	0	0	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0.1436956	0.479631	0.06258	0.0870011	0.0877163	0.1144469	0.087463	0.0264177
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0000111	0	0	0	0.0000111	0	0.0000111	0.0003774
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0.000016	0	0.000176	0.000256	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0.00000539	0	0.00000539	0	0.00001617	0	0	0
Tubificoides (pseudogaster) agg.	0	0.0012936	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0.00000539	0.00039886	0	0	0.00007007	0.00008624	0.00014553	0.00001617	0.00012936
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	0	0	0	0	0.0010366
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0.002747	0	0	0	0.00049446	0.000013735	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	6.04428E-05	5.4948E-06	0.000219792	0	0	0.005516779	0	0.000390131	0.012033612
Abra sp.	0	0	0.000439452	0	0	0	0	0	0
Abra tenuis	0	0	0.000636642	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0.2320812	0	0.0245514
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0.00001365	0.00001365	0	0.00001365	0.00001365	0
Diptera larvae	0	0.00061425	0.00001365	0	0.00001365	0	0.00045045	0.00001365	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	CCS N2 LB	CCS N2 LC	CCS N4 U2	CCS N4 UA	CCS N4 UB	CCS N4 UC	CCS N4 MA	CCS N4 MB	CCS N4 MC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	37	5	3	11	41	33	10	6	3
Eteone longa/flava agg.	1	0	1	0	2	0	0	2	1
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	21	21	24	15	8	9	36
Nephtyidae	0	P	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	2	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	2	0	0	0	0	0	0	0
Pygospio elegans	1	0	0	0	0	0	10	12	0
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	1	0	0	0	0	0	0	1	1
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	18	0	52	0	0	3	94
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	5	0	3	11	12	14	8	8	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	0	0	0	1	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	2	0	5	3	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	1	3	3	0	1	0	0	19	3
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	1	0	0	0	6	0	0	0
Diptera larvae	0	0	1	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	CCS N2 LB	CCS N2 LC	CCS N4 U2	CCS N4 UA	CCS N4 UB	CCS N4 UC	CCS N4 MA	CCS N4 MB	CCS N4 MC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0.0002024	0.0000184	0.0000184	0.0000184	0.0001288	0.0000184	0.0000184	0.0000184	0.0000184
Eteone longa/flava agg.	0.0000136	0	0.0000136	0	0.0003128	0	0	0.0003672	0.0000136
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0.1023183	0.0932889	0.1322822	0.203087	0.1344129	0.0911433	0.0970139
Nephtyidae	0	0.02555	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0.0000336	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0.00001695	0	0	0	0	0	0	0
Pygospio elegans	0.0000111	0	0	0	0	0	0.0002775	0.0009102	0
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0.000016	0	0	0	0	0	0	0.000016	0.000016
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0.0002156	0	0.00311003	0	0	0.00000539	0.0038808
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0.00000539	0	0.00000539	0.00000539	0.00000539	0.00002156	0.00000539	0.00000539	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	0	0	0	0.0000142	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0.00076916	0	0.000535665	0.000975185	0	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0.005088185	0.000862684	0.019715342	0	0.011912726	0	0	0.001840758	0.025374986
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0	0
Scrobicularia plana	0	0	0	0	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0.00001365	0	0	0	0.00001365	0	0	0
Diptera larvae	0	0	0.0009009	0	0	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	CCS N4 LA	CCS N4 LB	CCS N4 LC	CCS S1 UA	CCS S1 UB	CCS S1 UC	CCS S1 MA	CCS S1 MB	CCS S1 MC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	46	28	2	0	0	0	0	10	3
Eteone longa/flava agg.	1	2	0	1	1	1	0	3	4
Nereididae	0	P	0	0	0	0	0	0	0
Hediste diversicolor	6	0	0	59	9	16	13	19	2
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	2	0	0	0	0	0	3
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	2	0	6	0	0	0	9	23
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	1	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	131	6	1	3	53	32	47	57	75
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	55	5	1	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	0	0	1	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	16	14	21	2	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	24	1	2	0	37	15	11	24	51
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	1	0
Scrobicularia plana	0	0	0	0	0	0	1	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	2	0	0	0	0	0	0	0	0
Diptera larvae	2	0	0	2	1	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0
AFDW Biomass (g) per 0.01m^2	CCS N4 LA	CCS N4 LB	CCS N4 LC	CCS S1 UA	CCS S1 UB	CCS S1 UC	CCS S1 MA	CCS S1 MB	CCS S1 MC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0.000276	0.0000552	0.0000184	0	0	0	0	0.0000184	0.0000184
Eteone longa/flava agg.	0.0000136	0.0000408	0	0.0000136	0.0007072	0.0017408	0	0.0001768	0.0004624
Nereididae	0	0.0000149	0	0	0	0	0	0	0
Hediste diversicolor	0.0196829	0	0	0.2007328	0.0467562	0.0638912	0.036803	0.0547873	0.000596
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0	0	0.0005075	0	0	0	0	0	0.02072
Scoloplos armiger	0	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0000111	0	0.0000111	0	0	0	0.0001887	0.0008103
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0.000016	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00685608	0.00000539	0.00000539	0.00000539	0.00351967	0.00211827	0.0033418	0.00232309	0.00287826
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0.00018865	0.00000539	0.00000539	0	0	0	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0	0	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	0	0	0.000497	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0	0.00582364	0.00554894	0.00914751	0.001442175	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0.000763777	0.001791305	0.000785756	0	0.171877344	0.067124477	0.03174346	0.170300336	0.142419721
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0	0	0	0.000174654	0
Scrobicularia plana	0	0	0	0	0	0	0.009483	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0.00001365	0	0	0	0	0	0	0	0
Diptera larvae	0.001092	0	0	0.00080535	0.00001365	0	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	CCS S1 LA	CCS S1 LB	CCS S1 LC	CCS S2 UA	CCS S2 UB	CCS S2 UC	CCS S2 MA	CCS S2 MB	CCS S2 MC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	0	8	0	5	6	3	0
Eteone longa/flava agg.	3	2	0	2	2	2	2	7	2
Nereididae	0	0	0	0	0	0	0	P	0
Hediste diversicolor	1	0	0	22	3	11	8	0	0
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	2	0	0	0	0	0	0	3	1
Scoloplos armiger	0	0	0	0	0	0	0	0	1
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	1	0	10	16	3	31	13	8
Streblospio shrubsolii	0	0	0	6	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	2	6	0	54	165	50	160	22	0
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	5	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	3	0	0	0	0	0	0	5
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	1	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	1	1	24	0	3	2	0
Retusa obtusa	0	0	0	0	0	0	0	1	0
Macoma balthica	4	2	1	8	25	42	46	23	11
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	1	0	1	0	0
Scrobicularia plana	0	0	0	1	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	1
Diptera larvae	0	0	0	0	0	1	1	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

AFDW Biomass (g) per 0.01m^2	CCS S1 LA	CCS S1 LB	CCS S1 LC	CCS S2 UA	CCS S2 UB	CCS S2 UC	CCS S2 MA	CCS S2 MB	CCS S2 MC
Nemertea	0	0	0	0	0	0	0	0	0
Nematoda	0	0	0	0.0000184	0	0.0000184	0.0000184	0.0000184	0
Eteone longa/flava agg.	0.0000136	0.0001904	0	0.0000136	0.0004488	0.0003944	0.0000136	0.0004896	0.000136
Nereididae	0	0	0	0	0	0	0	0.0141848	0
Hediste diversicolor	0.0115326	0	0	0.1252941	0.0509431	0.0574097	0.0649044	0	0
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0.0127225	0	0	0	0	0	0	0.0009625	0.00175
Scoloplos armiger	0	0	0	0	0	0	0	0	0.0001568
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0004662	0	0.0000555	0.0003885	0.000111	0.0015873	0.0004107	0.0005328
Streblospio shrubsolii	0	0	0	0.000016	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00000539	0.00013475	0	0.00154693	0.00725494	0.0020482	0.00627396	0.00054978	0
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0	0	0	0	0.00000539	0	0	0
Copepoda	0	0	0	0	0	0	0	0	0
Bathyporeia sp.	0	0.00048	0	0	0	0	0	0	0.000688
Corophium volutator	0	0	0	0	0	0	0	0	0
Cyathura carinata	0	0	0	0	0.0008378	0	0	0	0
Eurydice pulchra	0	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0.002980495	0.000013735	0.006276895	0	0.00197784	0.000755425	0
Retusa obtusa	0	0	0	0	0	0	0	0.0014766	0
Macoma balthica	0.001291278	0.004643106	0.001120939	0.022891337	0.118055778	0.119566848	0.110692746	0.056508523	0.022578133
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0.001312722	0	0.000005634	0	0
Scrobicularia plana	0	0	0	0.0010034	0	0	0	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0	0	0	0	0	0	0	0.00001365
Diptera larvae	0	0	0	0	0	0.00075075	0.00126945	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	CCS S2 LA	CCS S2 LB	CCS S2 LC	CCS S3 UA	CCS S3 UB	CCS S3 UC	CCS S3 MA	CCS S3 MB	CCS S3 MB2
Nemertea	0	0	0	1	0	0	0	0	0
Nematoda	0	0	0	23	1	27	5	1	0
Eteone longa/flava agg.	0	0	0	0	1	7	3	1	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	22	5	22	2	0	0
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	3	0	1	0	2	0	1	0	1
Scoloplos armiger	1	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	4	0	9	8	17	18	5	3
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	2	0	0	21	68	65	16	0	0
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	1	0	3	0	0	0	0	0
Copepoda	0	0	1	0	0	0	0	0	0
Bathyporeia sp.	0	0	1	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	1	0	0	0
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	1	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	3	18	4	4	1	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	10	14	51	40	5	8
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	1	0	1	0	0
Scrobicularia plana	0	0	0	0	0	0	1	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	1	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	2	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

AFDW Biomass (g) per 0.01m^2	CCS S2 LA	CCS S2 LB	CCS S2 LC	CCS S3 UA	CCS S3 UB	CCS S3 UC	CCS S3 MA	CCS S3 MB	CCS S3 MB2
Nemertea	0	0	0	0.000022	0	0	0	0	0
Nematoda	0	0	0	0.0000552	0.0000184	0.0000184	0.0000184	0.0000184	0
Eteone longa/flava agg.	0	0	0	0	0.0000136	0.0037944	0.0000136	0.0000136	0
Nereididae	0	0	0	0	0	0	0	0	0
Hediste diversicolor	0	0	0	0.0675268	0.0964775	0.0265071	0.0386804	0	0
Nephtyidae	0	0	0	0	0	0	0	0	0
Nephtys hombergii	0.0244825	0	0.0083475	0	0.0016275	0	0.000525	0	0.0205275
Scoloplos armiger	0.000112	0	0	0	0	0	0	0	0
Spionidae sp.	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0
Pygospio elegans	0	0.0000111	0	0.0000444	0.000222	0.0003441	0.001332	0.0001332	0.0002997
Streblospio shrubsolii	0	0	0	0	0	0	0	0	0
Tharyx sp.	0	0	0	0	0	0	0	0	0
Manayunkia aestuarina	0	0	0	0	0	0	0	0	0
Heterochaeta costata	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0.00011858	0	0	0.0003773	0.00213444	0.00218834	0.00057134	0	0
Tubificoides (pseudogaster) agg.	0	0	0	0	0	0	0	0	0
Tubificoides swirencoides	0	0	0	0	0	0	0	0	0
Enchytraeidae	0	0.00000539	0	0.00000539	0	0	0	0	0
Copepoda	0	0	0.0000165	0	0	0	0	0	0
Bathyporeia sp.	0	0	0.000224	0	0	0	0	0	0
Corophium volutator	0	0	0	0	0	0.000016	0	0	0
Cyathura carinata	0	0	0	0	0	0	0	0	0
Eurydice pulchra	0.0000142	0	0	0	0	0	0	0	0
Hydrobia ulvae	0	0	0	0.000013735	0.0049446	0.0008241	0.00390074	0.000013735	0
Retusa obtusa	0	0	0	0	0	0	0	0	0
Macoma balthica	0	0	0	0.037221775	0.060025195	0.104450653	0.112879676	0.029996113	0.02803447
Abra sp.	0	0	0	0	0	0	0	0	0
Abra tenuis	0	0	0	0	0.000614106	0	0.00014085	0	0
Scrobicularia plana	0	0	0	0	0	0	0.0044486	0	0
Arachnida (Acarina)	0	0	0	0	0	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0	0	0	0	0	0
Coleoptera sp.	0	0	0	0	0	0	0	0	0
Collembola sp.	0	0.00001365	0	0	0	0	0	0	0
Diptera larvae	0	0	0	0	0	0.00116025	0	0	0
Diptera sp.	0	0	0	0	0	0	0	0	0

Abundance per 0.01m^2	CCS S3 MC	CCS S3 LA	CCS S3 LB	CCS S3 LC
Nemertea	0	0	0	0
Nematoda	1	9	1	1
Eteone longa/flava agg.	0	1	0	0
Nereididae	0	0	0	0
Hediste diversicolor	0	0	0	0
Nephtyidae	P	0	0	0
Nephtys hombergii	0	2	0	0
Scoloplos armiger	0	0	2	0
Spionidae sp.	0	0	0	0
Polydora cornuta	0	0	0	0
Pygospio elegans	3	3	0	0
Streblospio shrubsolii	0	0	0	0
Tharyx sp.	0	0	0	0
Manayunkia aestuarina	0	1	0	0
Heterochaeta costata	0	0	0	0
Tubificoides benedii	2	0	0	4
Tubificoides (pseudogaster) agg.	0	0	0	0
Tubificoides swirencoides	0	0	0	0
Enchytraeidae	0	1	0	0
Copepoda	0	0	0	0
Bathyporeia sp.	0	0	0	0
Corophium volutator	0	0	0	0
Cyathura carinata	0	0	0	0
Eurydice pulchra	0	0	0	0
Hydrobia ulvae	1	0	0	0
Retusa obtusa	0	0	0	0
Macoma balthica	8	3	0	0
Abra sp.	0	0	0	0
Abra tenuis	0	0	0	0
Scrobicularia plana	0	0	0	0
Arachnida (Acarina)	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0
Coleoptera sp.	0	0	0	0
Collembola sp.	0	0	0	0
Diptera larvae	0	0	0	0
Diptera sp.	0	0	0	0
AFDW Biomass (g) per 0.01m^2	CCS S3 MC	CCS S3 LA	CCS S3 LB	CCS S3 LC
Nemertea	0	0	0	0
Nematoda	0.0000184	0.0000184	0.0000184	0.0000184
Eteone longa/flava agg.	0	0.0000136	0	0
Nereididae	0	0	0	0
Hediste diversicolor	0	0	0	0
Nephtyidae	0.00644	0	0	0
Nephtys hombergii	0	0.005075	0	0
Scoloplos armiger	0	0	0.0000112	0
Spionidae sp.	0	0	0	0
Polydora cornuta	0	0	0	0
Pygospio elegans	0.0003219	0.0000333	0	0
Streblospio shrubsolii	0	0	0	0
Tharyx sp.	0	0	0	0
Manayunkia aestuarina	0	0.000016	0	0
Heterochaeta costata	0	0	0	0
Tubificoides benedii	0.00004851	0	0	0.00001078
Tubificoides (pseudogaster) agg.	0	0	0	0
Tubificoides swirencoides	0	0	0	0
Enchytraeidae	0	0.00000539	0	0
Copepoda	0	0	0	0
Bathyporeia sp.	0	0	0	0
Corophium volutator	0	0	0	0
Cyathura carinata	0	0	0	0
Eurydice pulchra	0	0	0	0
Hydrobia ulvae	0.000013735	0	0	0
Retusa obtusa	0	0	0	0
Macoma balthica	0.028408116	0.001978128	0	0
Abra sp.	0	0	0	0
Abra tenuis	0	0	0	0
Scrobicularia plana	0	0	0	0
Arachnida (Acarina)	0	0	0	0
Arachnida (Linyphiidae)	0	0	0	0
Coleoptera sp.	0	0	0	0
Collembola sp.	0	0	0	0
Diptera larvae	0	0	0	0
Diptera sp.	0	0	0	0