



MERC Consultants
environmental and conservation services



Comhshaol, Oidhreachta agus Rialtas Áitiúil
Environment, Heritage and Local Government

Report

Surveys of sensitive subtidal benthic communities in

- Roaringwater Bay and Islands SAC
- Lough Hyne Nature Reserve and Environs SAC
- Valentia Harbour and Portmagee Channel SAC
- Broadhaven Bay SAC



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October 2007

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1. Introduction

In furtherance of its policy of developing enhanced tools for managing Ireland's marine candidate Special Areas of Conservation (SACs), in 2007 the National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government – commissioned a survey of sensitive subtidal communities in a number of marine SACs on the southwest coast of Ireland. The study followed on from similar work conducted in the Kilkieran Bay and Islands and Kingstown Bay SACs during 2005 and in Slyne Head Peninsula, Clew Bay Complex And Galway Bay Complex SAC's in 2006.

The over-riding purpose of the project was to enhance the conservation of marine wildlife and associated habitats in selected SACs through the investigation of ecological quality indicators.

Within the scope of the project, the following were considered as sensitive subtidal communities:

- beds of seagrass *Zostera marina*
- beds of maerl forming calcareous algae including *Lithothamnion corallioides*, *Phymatolithon calcareum*¹
- communities of the polychaetes *Lanice conchilega* (Sand Mason) , *Sabella pavonina* (Peacock Worm) and the reef forming *Serpula vermicularis* (Tube Worm),
- reefs of the Native Oyster *Ostrea edulis* (excluding licensed fisheries/aquaculture sites),
- reefs of the bivalve mollusc *Limaria hians* (Gaping File Shell),
- communities of *Scolanthus callimorphus* (Burrowing Worm Anemone)
- beds of the tubicolous anemone *Pachycerianthus multiplicatus* (Fireworks Anemone),
- communities of *Virgularia mirabilis* and other Sea Pen species,
- beds of *Neopentadactyla mixta* and other burrowing sea cucumbers
- communities of the anemone *Edwardsia delapiae*².

The well-documented ecological sensitivity of the selected communities means that they are commonly used in programmes designed to monitor environmental change, as the distribution and abundance of these communities are useful as indicators of habitat quality. A detailed baseline assessment of the distribution, extent and condition of these habitats/communities can facilitate the future management and long-term monitoring of the conservation status of designated conservation sites, as is required under the EU Habitats Directive.

¹ Both these species of maerl are listed in Annex V of the EU Habitats Directive (Council Directive 92/43/EEC)

² *Edwardsia delapiae* – this species was the subject of a further dedicated survey, also completed during 2007, the findings of which are presented in a separate report.

Only *known* significant subtidal stands/populations of these communities constituted the primary target of the survey. However, while the survey was not a search operation *per se*, where additional occurrences of the aforementioned communities were identified as a result of survey effort, these were also surveyed.

The specific objectives of the 2007 study were to:

- ground-truth data on the distribution of maerl, *Zostera marina* and burrowing mega fauna within Roaringwater Bay and Islands and Valentia Harbour and Portmagee Channel SACs that was collected during broadscale mapping projects conducted during 2001 and 2002 at these sites
- map the distribution of seagrass *Zostera marina* beds
- provide estimates of the density of *Zostera marina* beds and of specified megafaunal communities
- map the distribution of maerl communities
- map the distribution of other specific megafaunal communities (see above)

Four SACs were selected for survey during 2007:

- Roaringwater Bay and Islands SAC, Site Code 000101
- Lough Hyne Nature Reserve and Environs SAC Site Code 000097
- Valentia Harbour and Portmagee Channel SAC Site Code 000268
- Broadhaven Bay SAC Site Code 000472

The present report presents the main findings of the study, which was carried out by Marine Environmental and Resource Conservation Consultants Ltd. The textual report compliments the outputs of a more detailed and comprehensive Geographical Information Systems (GIS) project. The entire GIS project is presented electronically however the main outputs in the form of a series of maps are summarised herein.

2. Study Areas

The sites selected for survey each encompassed a mosaic of marine and terrestrial habitats. Each of the SAC sites is host to multiple natural habitat types, several of which are listed under Annex I of the EU Habitats Directive, (natural habitat types of community interest whose conservation requires the designation of Special Areas of Conservation).

In addition, the surveyed sites collectively are host to several Annex II species – those animal and plant species of community interest whose conservation requires the designation of Special Areas of Conservation.

2.1 Roaringwater Bay and Islands SAC

Roaringwater Bay is a wide shallow bay located on the southwest coast of County Cork. The site has a wide variety of rocky and sedimentary marine habitats that are subject to a range of wave exposures and tidal currents. The area designated for conservation status includes the coastline on the mainland from Castle Point, south of Long Island to Beacon Point, south of Baltimore, and incorporates the three bays Roaringwater, Long Island and Baltimore, and most of the islands within. The bedrock of the region is composed of a series of Devonian Old Red Sandstone reefs that run parallel to troughs of Devonian Carboniferous marine clastics in a north east/south west direction. These reefs emerge to form the islands on the south side of the bay and within the bay. These offshore islands include Sherkin Island and Cape Clear near Baltimore and Long Island and Horse Island near Schull. Hare Island and the three Calf Islands are located within the central area of the bay. These numerous islands provide some protection to inshore areas from the full force of the Atlantic. The tidal currents that occur between the islands can be strong. Generally the coast is low-lying but the southern edge rises, in line with the hills behind Baltimore, to culminate in a summit of 160m on Cape Clear.

Roaringwater Bay has been selected as a SAC on account of the presence of three marine habitats listed under Annex I of the EU Habitats Directive.

Of particular interest is the extensive bed of the calcareous free living red alga *Lithophyllum dentatum*, which is the largest in the country for this species. This bed typically contains specimens that are very large and uniquely flattened in form with the rare filamentous red alga *Spyridia filamentosa*. *Lithophyllum dentatum* is only known from 2 other sites. There are also other maerl communities and several seagrass beds (*Zostera marina*), which may co-occur with maerl. The terrestrial habitats of the site are also of conservation interest and include good examples of two habitats listed under the EU Habitats Directive.

The Annex I habitats recorded within the site are:

- Reefs (1170)
- Large shallow inlets and bays (1160)
- Submerged or partially submerged seacaves (8330)
- European dry heaths (4030)
- Vegetated seacliffs of the Atlantic and Baltic coasts (1230)

In addition, the site is also designated due to the presence of

- European otter *Lutra lutra*
- Grey seal *Halichoerus grypus*,

both of which are species listed on Annex II of the E.U. Habitats Directive.

There is a well-developed pot fishery in the Long Island Sound area and species such as lobster and shrimp are targeted. Aquaculture in the form of suspended cultivation of mussels on long lines is carried out in Roaringwater Bay. A land based Abalone farm has been developed in recent years and is based on Clear Island.

2.2 Lough Hyne Nature Reserve and Environs SAC

Lough Hyne is a large coastal SAC (>400 ha.) situated just east of Roaringwater Bay some 5 km south-west of Skibbereen, County Cork. It includes Lough Hyne Nature Reserve on its western end, Ballyally Lough, the adjacent marshland area along the Bealariree stream and the coastline eastwards to Gokane Point, including Tragumna Bay. The site therefore encompasses a range of both marine and terrestrial habitats, including three habitats listed on Annex I of the EU Habitats Directive.

Lough Hyne is a deep landlocked bay joined by a narrow channel (Barlogue Creek) to the sea. It is situated on alternating bands of lower Old Red Sandstone and Carboniferous slates. Approximately 4,000 years ago in post-glacial times Lough Hyne was a freshwater lake, but due to the post-glacial rise in sea level it is now saline. The narrowness of the connecting sea channel means that the tidal fluctuations are reduced to approximately 1m and consequently the zonation of the intertidal communities is confined to a narrow band along the shore. Another unusual feature of the site is the rapids created in the narrow channel when the tidal levels inside and outside the lough differ.

The site contains many examples of the submerged reefs, some of which are very exposed to wave action on the open coast, while others are extremely sheltered from waves and ocean swell and occur within the Lough. The latter is a very rare habitat in Ireland. Many of the communities found on the reefs are more characteristic of the exposed open coast and in Lough Hyne the sponge-dominated communities occur at much shallower depths than on the open coast. Lough Hyne has been extensively studied and is known to have a very high species diversity and very high species richness for such a small area.

The Annex I habitats recorded within the site are:

- Large shallow inlets and bays (1160)
- Reefs (1170)
- Submerged or partially submerged seacaves (8330)

Limited fishing takes place within the site and the area is used for research purposes by a number of academic institutions that maintain several field stations in and around the lough.

2.3 Valentia Harbour and Portmagee Channel SAC

Valentia Harbour and Portmagee Channel SAC is an inlet located on the southwest coast of Ireland in the lee of Valentia Island. It is predominantly sheltered and shallow and contains a variety of sediments, which range from a mixture of cobbles, pebbles and gravel to very soft mud. Valentia Harbour is sheltered by Beginish Island, which sits to the north between Valentia Island and the mainland. The harbour is connected to a broad west-facing bay, Doulus Bay, via a channel between Valentia and Beginish Islands. The entrance to Doulus Bay stretches from Doulus Head on the mainland to Reenadrolaun Point on Valentia Island. The Valentia River empties into the harbour from the northeast. Lough Kay, a shallow bay, is situated between Beginish Island and the mainland.

Valentia Island in its location just a short distance from the mainland forms the northern side of Portmagee Channel. This sheltered channel stretches from Reenard Point to Reencaheragh Point on the mainland. The shallow upper reaches of this channel open into Lough Mask. The channel remains quite shallow throughout its length, however from Reencaheragh Point to its exposed western entrance at Bray Head the depth increases considerably.

Valencia Harbour and Portmagee Channel contain important examples of three habitats listed on Annex I of the EU Habitats Directive:

- Large shallow inlets and bays (1160)
- Reefs (1170)
- Sandflats and mudflats not covered by seawater at low-tide (1140)

The reefs support an excellent range of communities from those that are typical of areas very exposed to wave action to those typical of areas sheltered from wave action but with some tidal stream present. The area also has an excellent range of sediment communities present including maerl beds. Areas of soft mud or muddy sand are characterised by the sea pen *Virgularia mirabilis* and a range of burrowing anemones including the very rare species, *Edwardsia delapiae* which has not been recorded since it was originally found and described from this area in 1928, and *Scolanthus callimorphus*, otherwise known only from Kilkieran Bay, Co Galway within Ireland. The phoronid *Phoronis psammophila* occurs in this community and has not been recorded elsewhere in Ireland or Britain.

A fishery for the scallop *Pecten maximus* has been operated in Valentia Harbour and Portmagee Channel site since the early 1900's. There is also a well-developed pot fishery, the main target species being shrimp. Aquaculture in the form of suspended cultivation of scallop spat is occasionally carried out by a local co-operative with the objective of enhancing the natural stock of the scallop

2.4 Broadhaven Bay SAC

Broadhaven Bay is a large, north-facing bay situated on the northwest Mayo coast. The site extends from the innermost part of the bay at Belmullet to the outer marine area between Erris Head and Benwee Head. At its outermost part, the site is 10 km wide. Exposure to prevailing winds and wave action diminishes from the mouth toward the head of the bay. Subsidiary inlets along the length of the bay provide further areas of additional shelter.

Broadhaven Bay encompasses a range of marine and coastal habitats from extremely exposed bedrock at Benwee Head to sheltered sediments in the inner bay. This site is of high conservation importance owing to the presence of several habitats that are listed on Annex I of the EU Habitats Directive:

- Large shallow inlets and bays (1160)
- Reefs (1170)
- Sandflats and mudflats not covered by seawater at low-tide (1140)
- Submerged or partially submerged seacaves (8330)
- Salicornia and other Annuals Colonizing Mud and Sand (1310)

In addition the site is of ornithological importance for breeding and wintering birds.

2.5 Existing Information on the sites

2.5.1 Roaringwater Bay and Islands SAC

The Sherkin Island Marine Station has been carrying out research in the Roaringwater Bay area since the 1970's. The main body of work carried out by this station involves surveys of the plankton and intertidal communities. While a large volume of data exists in relation to these communities, the only published data from this source on the sub-tidal communities of the area relates to a survey carried out in August 1975 (Hiscock & Hiscock, 1980). The published data reports on a field survey of sublittoral and animal communities that was carried out over a period of one week during August 1975. The area of the survey extended from the head of Roaringwater Bay in the north to Cape Clear in the south and from Long Island in the west to the River Ilen Estuary and Baltimore in the east, including over 100km of coastline. Sites were selected to ensure that a wide range of habitats was surveyed. At each site visited by divers, conspicuous species were listed and notes made on their distribution, habitat preferences and abundance. 142 species of algae, the angiosperm *Zostera marina*, and 187 species of fauna were recorded. The variety of floral and faunal communities found to be present in different habitats are briefly described and the environmental conditions which determine the communities present discussed. Published data includes geographical positions for surveyed sites.

Gill (1984) conducted a sublittoral survey and investigation of a maerl bed in Roaringwater Bay. During underwater surveys using divers the extent of maerl communities were determined during the summer of 1981. The survey found that the maerl communities were located mainly in the northern end of Roaringwater Bay, in and around the Carrigvish Rock and covering approximately 1.5 square miles. The two main species of maerl identified as being present within the maerl communities were *Lithothamnion corallioides* and *Lithophyllum dentatum*. Each of these species showed a distinct distribution within the maerl bed as a whole, with *L. dentatum* being restricted to water depths of in and around 4 meters. A total of 74 faunal and 47 floral species associated with the maerl bed during the survey. The study reports further observations on the ecology of the maerl beds, areas of special interest and on an experiment carried out to determine the turning rate of the 'rosette' growth form of *L. dentatum*.

De Grave (1990) carried out a sublittoral survey of sites in Roaringwater Bay, Berehaven (Bantry Bay) and Kenmare River. The report presents the findings of sublittoral surveys, carried out using SCUBA, during which assessments of the seabed composition, physical environment and biological communities present at a range of sublittoral sites were made. Sixteen sites were surveyed in Roaringwater Bay. Four sites (Croagh Bay, Long Island Pier, Capple Point, South of Rossbrin Cove) were situated in Long Island Sound and Castle Island Sound and were found to be subject to very similar hydrographical conditions, with silty sand being the dominant sediment type recorded at each site. A low diversity kelp community was recorded at Croagh Bay and Long Island Pier and few visible macrofauna were recorded from the silty sand sediment at the remaining sites. Sites surveyed at Castle Island, West Skeam, East Calf and Clear Island were subjected to stronger water movement and

these sites were classified as semi-exposed/exposed to wave action and semi-exposed to tidal streams. Sediments recorded at these sites were coarser. Due to the slightly more sheltered position of the Castle Island and West Skeam sites, more siltation was observed. At all sites in this category a diverse kelp community, with a rich stipe flora and under story was observed. Further sites investigated at Hare Island, Goose Island Channel and off Mannin Island were very sheltered from tidal streams. At these sites poorly sorted silty sand was recorded with a sparse macro benthos.

Seagrass beds were present in Roaringwater Bay at Croagh Bay, South of Rossbrin Cove and Goose Island Channel. The *Zostera marina* shoots were not very abundant, but the community was relatively diverse compared to the communities recorded from surrounding sandy plains. Two types of maerl beds were noted during the survey. *Lithothamnion coralloides* (mainly dead thalli) was recorded South of Rossbrin Cove in Roaringwater Bay. Off Mannin Island, *Phymatolithon calcareum* occurred in low quantities.

In 1994, BioMar (Picton & Costello, 1997) carried out a survey of the Roaringwater Bay area, which included observations on sublittoral reefs, sediments and intertidal sites. The survey was carried out during the course of the national survey of benthic habitats and was carried out using SCUBA techniques to survey 38 sites, of which 33 were located within the SAC boundary. An additional four littoral sites were sampled. Extensive faunal and floral species lists were produced for each site.

Habitats surveyed ranged from the rocky and exposed shores of Sherkin Island, Cape Clear and Long Island to sheltered rock, sand and mud habitats of the inner bay and estuarine habitats and communities associated with the inflowing Ilen River. Sheltered shallow rocky habitat supported kelp forests of *Laminaria saccharina* and a mixed forest of *L. saccharina* and *Saccorhiza polyschides* with a dense red algal under storey. The deeper rock moderately exposed to wave action supported a community of faunal crusts, with soft corals and urchins. A community characterised by feather-stars occurred on moderately exposed and sheltered rock subject to tidal streams. A community of hydroids more characteristic of deeper water was recorded from shallow waters within the area. The scarce hydroid *Tamarisca tamarisca* was recorded from a number of sites in Roaringwater Bay.

In sheltered conditions BioMar recorded a species rich sponge community, within which two rare species occurred, the sponge *Tethyspira spinosa* and the rare red alga *Phyllophora sicula*. An Axinellid cup sponge community was recorded in deep exposed, and unusually, also in very sheltered conditions.

BioMar recorded a wide range of communities from the sublittoral sediments, which ranged from coarse sandy gravel to mud, within Roaringwater Bay. Coarse sandy gravel, which occurred between rocky outcrops, supported a sparse fauna of anemones. Coarse sands, located towards the entrance of the bay, supported urchins with numerous bivalves. Fine sands supported bivalves and burrowing brittlestars. Muddy sand with scattered shell supported a variety of hydroids, bivalves and anemones. Where no shell debris was present the muddy sands supported anemones. In very sheltered areas, this habitat was often characterised by an algal mat with sparse fauna. The tube dwelling peacock worm *Sabella pavonina* occurred as a dense stand in Strand Bay.

In the upper reaches, towards the head of Roaringwater Bay, BioMar recorded extensive maerl beds. In the sheltered areas, north of the Carrigvigliash Rocks, the rare maerl species *Lithophyllum dentatum* recorded in error as *Lithophyllum fasciculatum* occurred on mud. This maerl bed contained specimens that were very large and uniquely flattened in form. The rare filamentous red alga *Spyridia filimentosa* was recorded from this maerl bed. This is the largest bed of this species (*L. dentatum*) recorded in Ireland. South west of these rocks a separate maerl bed comprised of different bed-forming species (*Lithothamnion corallioides* / *Phymatolithon calcareum*) occurred. Several seagrass beds (*Zostera marina*), which were often dense, also occurred in this area of Roaringwater Bay. These seagrass beds were often mixed with kelp and/or diverse red algae. In some areas the seagrass and maerl beds often co-occurred.

De Grave et al (2000) visited the site during a study of the distribution of maerl beds around Ireland and their potential for sustainable extraction. The sublittoral area of the site was surveyed using remote sensing technology (RoxAnn). The RoxAnn survey covered an area of approximately seven square kilometers. Survey lines were widely spaced in open water areas, however this was reduced in areas where maerl was known to exist. Water depths varied from 3 to 9 meters, standardized to chart datum. Ground truthing data provided by grab sampling of sediments indicated a silty/sand substrate in the outer bay, with soft mud in the shallower waters towards the head of the bay. Two types of maerl were observed in the samples, these were the branch like *Lithothamnion corallioides* and the flattened disc like form of *Lithophyllum dentatum*. The survey predicted the presence of large areas of maerl within the site. The most extensive maerl communities were predicted in the northern section of the site, east of Horse Island and in an area centered on the Carrigvigliash Rocks. Additional maerl deposits were predicted for the area between Middle Calf Island and East Calf Island together with much smaller areas predicted for northeast of Carthy's Islands and in Castle Island Channel.

The Roaringwater Bay & Islands SAC broadscale mapping project (NPWS, 2003) successfully collected large amounts of scientific data in relation to biological and physical characteristics of seabed habitats within the site. Data in relation to seabed composition were collected using ECHOpus™ Acoustic Ground Discrimination System (ADGS), while grab survey, diver survey and video survey techniques provided extensive ground truthing of AGDS data. The results enabled the most prominent biological and physical characteristics of the seabed to be interpolated and mapped. The project also collected detailed data on the bathymetry of the site, facilitating the development of a detailed bathymetric map of the site.

During the grab sampling survey, a total of 46 sites were analysed for sediment composition and the presence of fauna. Sediment composition data for the Roaringwater Bay area showed seabed habitats ranging from muddy to coarse sediments. Coarse sediments (i.e. over 50% of sample >0.5mm) characterised six of the 46 stations sampled. The predominant habitat is muddy sediment (i.e. >50% of sample <0.125mm) and this characterised 25 stations. A predominance of medium sand was recorded at 15 sites, while maerl was returned at five sites. A relict oyster bed was noted near the mouth of the Ilen River (30g).

In total, 362 species were identified from the 46 grab samples taken in the survey area. The taxa recorded were mostly represented by annelids (segmented worms, 176 species), crustaceans (crabs, lobsters etc., 109 species) as well as by molluscs (bivalves and snails, 45 species). Other fauna recorded included 1 sponge, 3 cnidarians (sea anemones, jellyfish, sea pens), 4 sipunculids (Peanut worms), 2 bryozoans (sea mats), 1 phoronid (Horseshoe worm), 9 echinoderms (sea urchins and sea cucumbers), 1 cephalochord (squid), 3 tunicates (sea squirts) and 2 chaetognaths (Arrow worms).

The video survey sampled 113 locations within the SAC. In total 12 different habitat types were recorded by the video survey. Seabed habitats varied from fine sediments including sand and mud to maerl, gravel, cobbles, pebbles and bedrock. The different habitats supported 12 biological community types.

The dive survey of sites within Roaringwater Bay and Islands SAC revealed six seabed habitats, which ranged from bedrock to mud. Bedrock was recorded at ten sites, while bedrock and boulders occurred at three sites. Sedimentary habitats recorded by the dive survey included gravel, maerl mixed sediment, muddy sand and mud. A total of 201 faunal and 95 floral species were recorded during the dive survey.

The study recorded nine subtidal sedimentary and three subtidal rocky habitat types within Roaringwater Bay and Islands SAC during the project.

The subtidal sedimentary habitats were:

- Gravel
- Gravely sand
- Gravely sand with pebbles and shell
- Maerl mixed sediment
- Sand
- Sand with shell fragments
- Muddy sand
- Muddy sand with shell fragments
- Sandy mud

The subtidal rocky habitats recorded were:

- Bedrock and boulders
- Boulder fields
- Cobbles and pebbles.

Overall, the seabed habitats of the site were found to be predominantly sedimentary in nature and were the most extensive habitats by area. The site comprised a wide range of sedimentary seabed habitats and these were distributed mainly in sheltered, shallow sections of the site such as Roaringwater Bay and Baltimore Harbour, as well as in the deeper outer sections of the site including deeper sections of Long Island Bay and the area to the southeast of both Sherkin and Cape Clear Islands. Large areas of rocky seabed habitat were also recorded, however in general these areas were not as extensive or continuous as sedimentary habitats. The distribution of rocky habitat tended to be concentrated in those areas that were more exposed to wave action.

Broadly speaking, the inner reaches of the site – including Roaringwater Bay, Baltimore Harbour and the area of seabed between Cape Clear and Hare Islands were all characterised by mainly muddy sand with shell fragments, with smaller areas of sandy mud, sand and gravely sand with pebbles and shell were also recorded within the area. Extensive areas of maerl mixed sediment were also recorded for the inner section of Roaringwater Bay, in and around the Carrigvigliash Rocks in particular

Gravel and coarser sediments were found to occur most extensively in the middle section of the site, to the north of Cape Clear Island and Calf Island West. There were also areas of bedrock and boulders and boulder fields recorded for this section of the site. Gravel also bordered a rocky ridge that occurred in the centre of Long Island Bay and off Castle Point, while an extensive area of gravel was found to occur off the southern shore of Clear Island. Areas of muddy sand were present in Long Island Bay, while a similar habitat was the predominant habitat in Long Island Bay, with extensive areas also occurring in Roaringwater Bay, Schull Harbour, and off the southern shores of Sherkin and Clear Islands.

Rocky habitats were predominantly confined to the outer section of the site, mainly bordering the numerous islands, with a rocky ridge running up the centre of Long Island Bay. In the inner area, the rocky habitat was mostly confined to the southern shores of Sherkin Island.

The ground truthing survey described a total of twelve main biological communities that were found to occur amongst the twelve seabed habitats recorded in areas of Roaringwater Bay and Islands SAC investigated during the BROADSCALE mapping project.

The communities recorded were:

- Kelp
- Faunal turf
- Fauna on cobbles and pebbles
- Maerl beds (*L. corallioides*/*P. calcareum*)
- Maerl beds (*L. dentatum*)
- Seagrass beds
- Fauna and seaweeds
- Seaweeds on sediments
- *Clausinella* community
- *Fabulina* community
- *Amphiura* community
- *Abra* community

The findings demonstrate that there was a clear pattern to the distribution of seabed communities in the site, while the type and extent of community was closely correlated to the distribution of seabed habitats within the site.

The innermost (sheltered) sections of the site were the location of extensive infaunal communities that were characterised by *Abra alba* and *Fabulina fabula* communities.

There were areas of seagrass beds predicted for this part of the site also and an extensive community of maerl was recorded in the shallow centre part of Roaringwater Bay, where north of the Carrigvigliash Rocks a maerl bed characterised by *Lithophyllum dentatum* occurred. A separate maerl bed composed of a mix of *Lithothamnion corallioides* and *Phymatolithon calcareum* laid to the south west of Carrigvigliash Rocks. It was within the latter maerl bed that extensive seagrass beds occurred.

Sedimentary habitat communities of the middle section of the site were found to extend to the north and west of both Cape Clear and the Calf Islands were characterised by the bivalve *Clausinella* community, while the rocky habitats of this section of the site were mainly characterised by kelp and faunal turf.

Amphiura (burrowing brittlestar) community, with smaller areas of the bivalve *Clausinella* community also occurred and dominated the sedimentary communities of the outer section of the site. The rocky habitats of these areas were characterised by faunal turf, while kelp communities occurred along the near shore subtidal seabed of Cape Clear and Long Island, as well as the Calf Islands where the water was shallower.

Further data on the distribution of marine algae (in particular *Zostera marina*) in Roaringwater Bay is given in Cullinane and Whelan (1982), while Connor (1985) describes the sublittoral fauna of Long Island Bay based on a series of dives during which data in relation to a wide variety of floral and faunal species was collected.

2.5.2 Lough Hyne Nature Reserve and Environs SAC

Despite it being a well-established location for the study of marine flora and fauna amongst third level research institutions, few published data are available in relation to the overall composition and distribution of seabed habitats and communities within the site.

The major source of data in relation to seabed habitats and sublittoral communities within the Lough Hyne SAC is the BioMar survey of Irish marine habitats, flora and fauna. During the survey, a total of 14 sublittoral sites were studied during SCUBA dives carried out at Lough Hyne between November 1993 and April 1994. The survey recorded the presence of reefs, which were very exposed to wave action on the open coast, as well as extremely sheltered reefs. Many of the communities found on the reefs were more characteristic of the exposed open coast and in Lough Hyne the sponge dominated communities were found to occur at much shallower depths than on the open coast. Dense stands of the kelp *Laminaria saccharina* were recorded in the rapids with species rich faunal communities under the boulders. Within the lough the shallow subtidal reefs were characterised by a mixed kelp forest of *Laminaria saccharina* and *Sacchariza polyschides* with some *Laminaria digitata* and foliose red algae while in other areas *Laminaria saccharina* and *Cystoseira* species were the characterising algae. At the entrance to the lough where there is strong water movement the brown algae *Halydris siliquosa* and mixed kelp species were recorded, this community is more typical of moderately exposed tide swept areas. With increasing depth at this area communities more characteristic of areas exposed to wave action on the open coast were found; sponges hydroids, cup corals, solitary sea

squirts and red algae dominated the boulders. Cobbles, pebbles and gravel supported a community of keel worm *Pomatoceros triqueter*, the barnacle *Balanus crenatus* and areas of bryozoan crusts. In sheltered areas away from the turbulent water entering the lough much of the rock was found to be covered by solitary ascidians and sponges. The cliffs within the lough supported a wide variety of sponges.

According to Rees (1931, 1935), *Zostera marina* was common in the Goleen, forming a well-developed bed between the saltmarsh islands, and was found as scattered plants along the south coast of the western part of Castle Island. It was also common as deeper-lying beds in Barlogue Creek. Renouf (1931,1934) and Ebling *et al* (1960) carried out investigations into aspects of the ecology of Lough Hyne, however although they do not refer to *Zostera marina* specifically and in all communities of interest to the present study are mentioned only in passing.

Coastal Marine Resources Centre (CMRC) University College Cork carried out a multibeam sonar survey of the entire lough including the rapids and the inner part of Barlogue Creek during 2005. The survey resulted in two co-registered high resolution data sets of reasonable quality; bathymetry and backscatter. The data are as yet unpublished and were not immediately accessible to the present study. However this data may become available to future studies and may in time be of use in determining the nature and extent of sublittoral habitats present within the site.

At the time of the present survey, work in progress by staff and postgraduate students of the Department of Animal and Plant Science, University College Cork was investigating aspects of the ecology of *Zostera marina* in Lough Hyne. In this regard Information in relation to the present day distribution of seagrass beds in Lough Hyne and Barlogue Creek was gratefully received from Rob McAllen and Amy Dale and has been of assistance to the present survey.

2.5.3 Valentia Harbour and Portmagee Channel SAC

The Benthos of Valentia Harbour, Co. Kerry was initially surveyed during the late 1890's by W. I. Beaumont (1899) as part of a more extensive study of the area that included the pelagic environment (Browne, 1899). Beaumont's work, which involved shore work and dredging, was concentrated on sheltered areas around Valentia Harbour and Portmagee Channel. Beaumont (1899) presented an extensive list of marine invertebrates most of which were collected from soft sedimentary habitats. The list of nemerteans and nudibranchs is extensive as Beaumont specialised in these groups. Species were recorded from nine different habitats, *Zostera marina* beds, shallow soft muds, ascidian grounds on firm mud, shell beds, fine slate gravel, gravel and sand, gravel, sand and maerl beds.

His extensive shore work revealed the area to be bounded for the main part by slate rocks with scattered areas covered by loose stones, boulders, spits of sand and gravel, sand-banks and *Zostera* beds. Beaumont (1899) located seagrass beds in Beginish Bay, along the eastern margin of Beginish Spit, west of the Foot near Knight's Town

and at Reenglass Spit. Anemones, including *Cereus*, *Anemonia* and *Cerianthus* were recorded as being very common in these areas.

The substrate in Valentia Harbour was recorded to be mostly a muddy bottom, with the deeper portion of the harbour near Knight's Town mainly compact mud with scattered shell. The characterising and dominant species in the area was the ascidian *Ascidiella aspera*, which appeared to be slightly embedded in the muddy bottom. This was shown to be an extensive habitat in Valentia Harbour and also occurred in the sound between Valentia Island and Reenard Point. In the channel between Knight's Town and Reenard Point and off Beginish Island, Beaumont (1899) recorded considerable accumulations of shells of *Cardium*, *Mya* and *Pecten maximus*. *A. aspera* was absent to rare on this habitat which was referred to as the Shell-beds.

The habitat of Lough Kay, situated between Beginish Island and the mainland, was noted as being mainly tide-swept clean gravels with a limited fauna. Beaumont (1899) described Glanleam Bay as clean sand with very poor fauna, but it is noted that this observation may be due in part to the method of sampling employed at the time. Gravel and sand were recorded at the mouth of Valentia Harbour, south west of Beginish Island.

The shallower parts of the harbour namely the Cahir River and most of the Portmagee Channel were floored by soft black mud. The seaslug *Philine aperta* was seen to be a prominent species on this ground and similar ground elsewhere. Farther down the Portmagee Channel below Portmagee Village, Beaumont (1899) recorded an extensive maerl bed with the species *Lithothamnion corallioides* present. The associated fauna was similar to that found on the shell-beds, but with additional species.

The Delap sisters, Constance and Maud Jane, who lived in the area, had a keen interest in the marine fauna of the harbour. Although the sister's work concentrated almost exclusively on plankton, they also participated in the Browne (1899) investigation of the flora and fauna of the area. In the mid 1920's the area was visited by T.A. Stephenson who collected some *Edwardsia* material, and from this described the rare anemone *Edwardsia delapiae* (Carlgren & Stephenson) in recognition of the work carried out by the Delaps.

Minchin (1979) carried out a preliminary assessment of the potential of Valentia Harbour for mariculture. This study revealed the area of Valentia Harbour as coarse sand and shell with the ascidian *Ascidiella* sp. attached to small stones and shell. This was within the area referred to as the 'Ascidian grounds' by Beaumont (1899). Off Beginish Island and close to Knight's Town they relocated the seagrass beds as described by Beaumont (1899). The Portmagee Channel was found to be shallow with a soft mud bottom with algae and many sea slugs. The maerl beds close to Portmagee were also relocated thus confirming the findings of Beaumont (1899).

No other significant benthic work was carried out in the area until 1995 when the BioMar group visited the Valentia Harbour and Portmagee Channel area during the course of the national survey of benthic habitats. This survey included littoral and sublittoral habitats. In all 28 dives were carried out around Valentia Island which

produced extensive faunal and floral lists that greatly added to the previous information of Beaumont (1899).

The BioMar survey recorded seagrass beds on the muddy gravel spit known as The Foot at Knightstown Harbour, thereby confirming the seagrass beds first recorded by Beaumont (1899) and subsequently by Minchin (1979). Close to the Foot Buoy, west of Reenard Point, BioMar recorded sloping gravel with a large number of dead shells and areas of consolidated muddy sand with shell debris. This was stated as 'likely to be an extensive habitat within the study area', and was seen to support diverse anthozoans and bivalves. This habitat was in the same area as the shell-beds recorded by Beaumont (1899).

In the area south east of Knightstown, BioMar recorded soft mud with the seaslug *Philine aperta* and the seapen *Virgularia mirabilis*. Beaumont (1899) and Minchin (1979) also recorded *P. aperta* in the muds of this area. BioMar recorded this habitat south of the Foot Buoy to an area southwest of Reenaloughan Point in the Portmagee Channel. In the area southeast of Knightstown a population of the rare anemone *Edwardsia delapiae* was relocated. Valentia Harbour is the only known population of this species anywhere. Another rare anemone *Scolanthus callimorphus*, which was previously only known from Weymouth Bay (Dorset, U.K.) and Kilkieran Bay (Galway Ireland) was also recorded in this area during BioMar.

BioMar recorded maerl beds in the seaward reaches of the Portmagee Channel confirming the findings of some earlier studies. The maerl in this area varied from dense maerl bed to a thin veneer overlying a sandy and in some areas, muddy, seabed. The uncommon anemone *Halcapa chrysanthellum* was recorded from this habitat. The BioMar survey revealed the rocky habitat at the periphery of Doulus Bay to be a mixture of steep vertical bedrock and large boulders. The sedimentary substrate in Doulus Bay was rippled sand with occasional cobbles going to duned coarse sand. The only visible fauna on the sands was the sand mason *Janice conchilega*, while the cobbles and rocky outcrops within this habitat supported kelp and foliose red seaweeds. Kelp communities were also recorded on the rocky substrate of Valentia Island and the Portmagee Channel. The exposed rocky habitats of Doulus Head and Valentia Island were dominated by the seaweed *Delesseria sanguinea* and *Dictyota dichotoma*. The deeper exposed rock surveyed by BioMar was characterised by a robust faunal community comprising the jewel anemone *Corynactis viridis*, the cup coral *Caryophyllia smithii* and various sponges.

The Valentia Harbour and Portmagee Channel broadscale mapping project (NPWS, 2003) successfully collected large amounts of scientific data in relation to biological and physical characteristics of seabed habitats within the site. Data in relation to seabed composition were collected using RoxAnn™ Acoustic Ground Discrimination System (ADGS), while grab survey, diver survey and video survey techniques provided extensive ground truthing of AGDS data. The results enabled the most prominent biological and physical characteristics of the seabed to be mapped and the combined results of the three ground truthing surveys confirm the site to be high in both species and community diversity. The project also collected detailed data on the bathymetry of the site, facilitating the development of a detailed bathymetric map of the site.

During the grab sampling survey, a total of 33 sites were analysed for sediment composition while the faunal content of grab samples from 39 was examined. Sediments recorded ranged from fine mud to coarse sand, while maerl was recorded at 5 sites. A total of 374 species were identified from the grab samples and these were divided into three main groups – bivalves and snails (*molluscs*) (61 live and 23 dead species), crabs, lobsters etc (*crustaceans*) (77 species) and segmented worms (*annelids*) (152 species). A fourth group, other fauna (99 species) represented a diverse range of other less frequently occurring organisms.

The video survey sampled 65 locations with the SAC. In total, 16 different habitat types were recorded by the video survey. These varied from rock to sandy mud. These habitats supported 16 main biological community types.

During the dive survey of 15 sites within Valentia Harbour and Portmagee Channel SAC, six seabed habitats were recorded along with seven main community and five sub-community types. Seabed habitats varied from bedrock and boulders to muddy sediments.

The study recorded twelve subtidal sedimentary and four rocky habitat types within Valentia Harbour and Portmagee Channel SAC.

The subtidal sedimentary habitats were:

- Maerl mixed sediment
- Sandy mixed sediment
- Shelly gravelly mixed sediment (with sparse maerl)
- Muddy sand mixed sediment
- Shelly gravel mixed sediment
- Pebbles on mixed sediment with shell
- Gravelly sand
- Coarse gravelly sand
- Coarse gravelly sand with boulders and cobbles
- Sand
- Sandy mud
- Muddy sand

The subtidal rocky habitats recorded were:

- Bedrock
- Bedrock and boulders
- Boulders, cobbles and pebbles
- Boulder and cobble field

The most extensively predicted sedimentary habitats were muddy sand and sandy mud, which was the predominant seabed habitat of Portmagee Channel. In the area between Knightstown and Renard Point there were additional smaller areas of muddy sand mixed sediment. A number of large areas of pebbles on mixed sediments with shell were also prevalent in Valentia Harbour south of Beginish Island and these extended into the Fertha River estuary.

Sand occurred to a significant extent around Scugaphort Reef, which lies east of Bray Head in the southern part of the site. Further areas of sand were predicted in the western part of Valentia Harbour, in Lough Kay and south of Beginish Island. An extensive habitat of maerl mixed sediment occurred in Portmagee Channel close to Portmagee village. This habitat extended from Quay Brack to Reenarea Point. To the west of this area was an area of shelly gravelly mixed sediment. Coarse gravelly sand and gravelly sand predominated in the most western part of the channel.

The four rocky habitats, bedrock, bedrock and boulders, boulders, cobbles and pebbles and boulder and cobble field, recorded within the northern section of the site were confined in the main to Lough Kay and areas west of Beginish Island. A number of smaller areas of bedrock occurred south of Beginish Island. An extensive boulder and cobble field was predicted west and south west of Dolus Head whereas boulders cobbles and pebbles predominated in Lough Key. Patches of coarse gravelly sand with boulders and cobble were found amongst the Boulders and cobble field. Bedrock was the predominant rocky habitat recorded from the southern part of the site.

The ground truthing survey described a total of eighteen main biological communities that were found to occur amongst the sixteen seabed habitats recorded in areas of Valentia Harbour and Portmagee Channel.

The communities recorded were:

- Sparse infauna of polychaetes, crustaceans and bivalves in sand
- Rich robust infauna in sand and gravelly sand
- Sparse algae with rich infauna in shelly gravelly mixed sediment (with sparse maerl)
- Shelly gravelly mixed sediment with the sand mason *Lanice conchilega*
- Maerl bed
- Algae with fauna on mixed sediments
- Sugar kelp with red, green and brown seaweeds on sandy mixed sediments
- Sandy mixed sediments with sparse algae
- Muddy sand with rich infauna
- Sandy mud with sparse infauna
- Sandy mud with rich infauna
- Sandy mud with rich infauna (and seapens)
- Sandy mud with burrowing polychaetes, algal mat and scattered seaweeds
- Kelp
- Algal Turf
- Faunal and algal crusts (sparse cushion fauna)
- Faunal and algal crusts (sparse cushion fauna) on boulders and cobbles in coarse gravelly sand
- Coarse gravelly sand

Overall the site was characterised by a mix of sedimentary and rocky habitat communities and the biological communities recorded in association with the habitats reflect this. The rocky habitat communities were most prevalent in the northwestern and southwestern areas of the site out from Doulus Head and Bray Head. The sedimentary communities were predominantly located in Portmagee Channel where they tend to be relatively uniform mix of Sandy muds with infauna. An exception is the significant maerl community that was recorded for the area close to Portmagee.

In the northwestern section of the site, communities of both Faunal and algal crusts (sparse cushion fauna), commonly associated with rocky habitat types, were limited in distribution and were most prominent west of Doulus Bay. Kelp communities were the dominant biological features occurring from Eanagh Point to Laght Point in Lough Kay and off the northern shore of Valentia Island between Reenadrolaun Point and Fort Point. Other communities recorded in the northwestern sector include substantial areas of Algal turf communities which were associated with areas of rocky habitat west of Beginish Island, as well as Sparse infauna of polychaetes, crustaceans and bivalves and rich robust infauna in sand and gravelly sand. The latter two communities were extensive in Doulus Bay and occurred west of Beginish Island also. There were smaller areas of seabed south of Doulus Head and west of Beginish Island that were characterised by Shelly gravelly mixed sediment with the Sand mason *Lanice conchilega*.

Valentia Harbour (including the Fertha River estuary) was characterised by the greatest diversity of seabed communities for any area within the site. Extensive areas of algae with fauna on mixed sediments were recorded throughout this area, especially between Knightstown and Reenard Point. Sandy mud with infauna occurred extensively between Reenglass Point and Lough Mask as well as close to the eastern end of Beginish Island. Areas of kelp community were recorded south of Beginish, as were several areas of sparse infauna of polychaetes, crustaceans and bivalves in sand. The area between Laght Point and Reenard Point was characterised largely by a significant area of Sugar kelp with red, green and brown seaweeds on sandy mixed sediment.

Portmagee Channel was characterised by extensive areas of homogenous sandy mud with rich infauna and sandy mud with rich infauna (and seapens), the latter being the more extensive of the two communities. A significant maerl bed was recorded in Portmagee Channel also, extending in a westerly direction from Reenarea Point to Quay Brack. This community was recorded as being relatively homogenous with little variation throughout the area of occurrence.

West of Quay Brack and extending as far as Scugaphort Reef, seabed communities were characterised by kelp and sparse algae with rich infauna in shelly gravelly mixed sediment (with sparse maerl). A small pocket of algae with fauna on mixed sediments was recorded in this area also. Returning to rocky type habitats, the area around Scugaphort Reef was characterised by sparse infauna of polychaetes, crustaceans and bivalves in sand. An area of algal turf was recorded north of Long Island. Rich robust infauna in sand and gravelly sand was recorded extensively in the area to the north of the Algal turf community off Long Island and extending westwards as far as Bray Head. In this area of extensive rocky habitat there were further small pockets of Fauna

and algal crusts (sparse cushion fauna) as well as accumulations of coarse gravelly sand on the seabed.

2.5.4 Broadhaven Bay SAC

The main source of data in relation to the marine habitats and communities of Broadhaven Bay were the results of the BioMar survey, which visited sites in northwest Mayo during August 1994. During BioMar, a total of 20 sites within the area that is now the Broadhaven Bay SAC were visited. Sites visited were mainly sublittoral and were surveyed using SCUBA, however a number of littoral sites were also surveyed during the survey. The resulting dataset provides recordings of seabed habitats and associated flora and fauna for all sites visited.

No other data in relation to the marine habitats and communities of the site were available and a literature search failed to identify any significant sources of data in relation to the site. Other general data available to the project through NPWS included aerial imagery and the site synopsis for Broadhaven Bay SAC.

3. Materials and methods

3.1 Background research and planning

The methodology employed during the survey was very similar to that which was used during previous surveys conducted in 2005 and 2006 to survey subtidal communities in a number of other marine SACs.

Through careful planning and extensive background research it was intended to maximize the return in terms of data generated and area covered for the allocated number of field days at each site. In this context, the nature, distribution and extent of known sensitive subtidal communities within the proposed survey sites were researched as much as possible during a literature review and data gathering phase. This took place prior to any field investigations. The objectives of the literature review were to uncover as much detail as possible in relation to the nature, extent and distribution of key sublittoral communities within Roaringwater Bay and Islands, Lough Hyne Nature Reserve and Environs, Valentia Harbour and Portmagee Channel and Broadhaven Bay SACs.

In addition to the earlier studies mentioned in the previous section, other materials consulted included the relevant Admiralty chart for the area, the Ordnance Survey Discovery Series map, NPWS aerial photography and NPWS site synopses. Contact was also made with local National Parks and Wildlife Conservation Rangers and District Conservation Officers from whom supplementary information in the form of unpublished data and anecdotal records were obtained. Contact was also made with a number of researchers and biologists whom it was felt may have specific and undocumented knowledge in relation to the seabed communities.

Results from the literature review were compiled into a series of spreadsheets summarizing data on seabed habitats and communities at each site. Data were then overlaid onto Ordnance Survey of Ireland maps, aerial photographs and Admiralty charts using ArcGIS. Broadscale habitat and community maps for Roaringwater Bay and Islands and Valentia Harbour and Portmagee Channel SACs were the primary maps to which further datasets were added using ArcGIS. For Lough Hyne Nature Reserve and Environs SAC, all available data were plotted onto a digitized Ordnance Survey Discovery Series 1:50,000 map of the site. In the case of Broadhaven Bay all available data were plotted onto a digitized 1:50,000 Discovery series map as well as onto a hard copy of the Admiralty chart for Broadhaven Bay.

Resulting maps summarised and presented existing knowledge in relation to the subtidal habitats and communities at each site. In this regard, they facilitated scheduling of fieldwork and the appropriate allocation of survey effort across the various sites. In addition the availability of summary maps allowed for quick and easy consultation and cross-referencing of data during fieldwork, while also assisting navigation of the survey vessel into all areas that it was planned to survey.

3.2 Field techniques for surveying subtidal communities

Two techniques, both of which relied on direct observation, were employed during the present study to generate data on the nature and extent of subtidal communities

The techniques employed were

- Scuba diving with the assistance of Diver Propulsion Vehicles
- Direct surface to seabed observation using an underwater viewer

The use of DPV's to increase the amount of data that could be collected by a dive team was significant, as their use in conjunction with SCUBA increases by as much as 4 or 5 times, the amount of seabed area that can be covered by dive team swimming underwater.

Direct observation of seabed habitats and communities that can be made from the surface provide a more rapid means of collecting data in relation to seabed communities and habitats. The technique was applied to maximum benefit in areas of shallow, clear waters and a significant proportion of maerl and seagrass communities present within each site were effectively mapped using this technique.

The selected survey techniques complimented each other and could be combined on individual transects according to conditions of depth and visibility in order to achieve the most efficient coverage of ground. All personnel engaged in the present study were professionally qualified scientific divers and were experienced at mapping seabed communities using the described techniques.

3.3 Survey platform

A 10.5 meter fully decked shallow draft vessel, fitted with sheltered wheelhouse and an inboard motor was used for the study. The particular vessel is highly maneuverable in narrow channels and waterways and is capable of being operated in 2m of water depth. The vessel provided a stable platform from which to deploy and recover divers and from which to conduct direct observations using the underwater viewer. In addition, the survey team had available to them a 7.5 meter Rigid Inflatable Boat for surveying in areas where navigation was too restricted for the larger vessel to operate. Both survey vessels were licensed to their respective classes (P5/P6) by the Marine Survey Office of the Department of Transport.

3.4 Vessel Navigation systems

For the purpose of navigation positional data recordings were made using a Furuno GP-37 dGPS navigator and a Garmin GPS 76 dGPS unit. The Furuno unit provided both satellite and land based differential signal corrections while the Garmin unit provided satellite only derived differential signal corrections. The survey vessel also carried a Simrad CP32 Chart plotter, which was used to record the vessels track during the survey.

3.5 Method for ground-truthing broadscale mapping data

As all broadscale mapping transects had been conducted in water too deep to allow effective ground-truthing from the surface, most of the community boundaries shown on the broadscale map were ground-truthed by diving using SCUBA and DPV's. The locations of the boundaries of large communities, as given on broadscale maps, were verified by conducting diver transects. Transect starting points were generally located within the indicated boundary of the community being surveyed. Having descended at the selected point, the surveying dive team would swim in a predetermined direction in order to locate the boundary of the targeted subtidal community. Once located, this point on the seabed was marked using a surface marker buoy deployed from the seabed. The diveteam would then surface along the marker buoy and positional data would be recorded from the survey vessel.

Transect lines were spaced so as to ensure reasonable resolution for post survey GIS analysis and reflected the general variability in community that was recorded during the present survey. The location and number of transects completed as part of the ground-truthing varied according to the degree that survey data concurred with the broadscale mapping data. Where observations made by the diveteam concurred with the predictions made by broadscale mapping transect spacing was increased. Where there were gaps in data or there appeared to be a disparity between broadscale data and in-situ observations, additional transect (or spot dives) were conducted.

Ground truthing spot dives were also conducted at sites where broadscale community maps indicated the presence of small-localised communities (*c.* < 2 ha). Due to the small spatial extent of such communities, spot dives were deemed adequate to ground truth broadscale mapping predictions.

Extensive use was also made of the sub-surface viewer at all sites surveyed. This was mostly for the purpose of mapping previously unrecorded *Zostera marina* beds, but also for extending the boundaries of known communities into areas of very shallow waters that had not been surveyed during broadscale mapping. The available survey techniques frequently facilitated the recording of data along transects that extended into intertidal areas.

3.6 Field survey of *Zostera marina* and maerl communities

Both of the above-described techniques - SCUBA and direct observation of subtidal communities using the boat-mounted viewer, were utilized for the purpose of surveying at Lough Hyne Nature Reserve and Environs SAC and Broadhaven Bay SAC.

The survey strategy at these sites was founded on a list of target communities that compiled during the pre-survey literature review. Where geo-referenced records existed with respect to relevant known communities, the survey platform was navigated to specific points and assessments of seabed communities were carried out using standard techniques.

For non geo-referenced records, an initial assessment would be made using a number of lengthy transects on SCUBA or using the underwater viewer, with the aim of locating the community or its boundary. Once the presence of a subtidal community of interest was confirmed in this manner, mapping of the spatial extent and boundary would continue until a satisfactory volume of data had been generated.

3.7 Abundance estimation – use of abundance indices.

As a means of assessing the relative importance and status of beds of *Zostera marina* and other subtidal communities, a means for estimating the abundance of plants within beds was required. Abundance scales are frequently used to describe the nature and extent of faunal and floral communities in marine and terrestrial ecological surveys; see Hiscock (1998) and Higgins *et al* (2004).

In the context of extensive field survey undertakings, the use of rapid observation based abundance estimation technique is perhaps the only feasible option. While the use of an AFOR (*Abundant, Frequent, Occasional, Rare*) abundance index in the present study was largely subjective as estimates were based entirely on visual techniques, the technique provided a rapid method for estimating relative abundance of a species.

For the purpose of this study an AFOR scale was calibrated to best suit the study site. Initially dives were conducted across varying degrees of density of *Zostera marina* in order to calibrate a scale for this survey. Table 3.1 shows the scale used following calibration by a diver counting the number of individual plants within a 1-m² area. In many cases, after the initial calibration, areas of *Zostera marina* were encountered where the number of individuals per m² greatly exceeded the state of abundant according to the calibration and in these cases the term *Dense Abundant* was used.

Table 3.1 Detail of AFOR scale used in estimation of *Zostera marina* abundance

Abundant	Frequent	Occasional	Rare
> 12 individuals per m ²	6-11 individuals per m ²	2-5 individuals per m ²	<2 individuals per m ²

3.8 Data Recording

A Thales Navigation *MobileMapper CE* was used for logging all positional data. The Thales unit offers satellite based differential GPS (DGPS) levels of accuracy (<3m) 95% of the time. Accuracy outside of this time is <10m.

The *Mobile Mapper CE* carried mapping Pocket GIS software that enabled rapid and consistent logging of georeferenced biological data during the field survey. The process of recording detailed information with respect to subtidal communities was thus simplified over manual data logging. A very high degree of accuracy is associated with use of the *Mobile Mapper CE* for logging field data. In addition, data are recorded in a consistent manner, which has obvious benefits in the context of data integrity and post processing. Overall, the quality of data and project GIS outputs for field investigations are significantly enhanced through the use of the mapper.

Underwater data recordings were made using a dive slate and pencil or marker and these data were transferred to the mapper on surfacing.

Detailed data in relation to faunal and floral species, seabed composition and community extent were recorded on dive slates during dedicated SCUBA dives on individual communities. Photographic and videographic recordings were also made during these dives in order to characterise communities and provide further baseline data.

4. Results

4.1 General

The survey was successful in generating a substantial volume of data in relation to the extent and distribution of sensitive subtidal communities within each site.

A total of 33 days of fieldwork was undertaken. Of an initial 28 days allocated for field investigations, 23 days were required to complete the mapping of Roaringwater Bay and Islands SAC and Lough Hyne Nature Reserve and Environs SAC. 5 days were utilised to map the sensitive subtidal communities and ground truth the broadscale data for Valentia Harbour and Portmagee Channel SAC, while a further 5 days were required to map the communities within Broadhaven Bay SAC; half a day of which was utilised to survey intertidal and subtidal areas of Sruwaddacon Bay, within the Glenamoy Bog Complex SAC (Site Code 000500), at the request of NPWS.

During this time a total of 2,720 georeferenced data points were recorded across the four sites. These were contained in 369 separate transect lines. Table 4.1 summarises the volume of data recorded at each site by individual data point and transect line.

Table 4.1 Survey of sensitive subtidal communities - Summary of field data recordings by SAC

Site	Roaringwater Bay & Islands SAC	Lough Hyne Nature Reserve & Environs SAC	Valentia Harbour & Portmagee Channel SAC	Broadhaven Bay SAC	Total
<i>Data points</i>	877	196	247	1400	2,720
<i>Transect lines</i>	242	17	68	42	369

In addition, SCUBA dives were made at each site for the purpose of making detailed physical and biological recordings in relation to individual communities and photographic and videographic recordings were made during these dives. The data were used to prepare species lists for each community. Species lists are presented in Appendix II, whilst photographic images and videographic recordings are provided in the CD's and DVD's that accompany the text report.

Data are most easily interpreted by viewing the series of maps presented in Figures 4.1 to 4.18. Table 4.2 summarises the output from the mapping project by SAC and subtidal community. The maps depict the SAC boundaries, the location of data points and transect lines as well distribution and extent of the sensitive subtidal communities recorded during the survey.

Table 4.2 Summary of Figures detailing area and community depicted

Reference	Area represented	Subject
Figure 4.2	Roaringwater Bay and Islands SAC	SAC boundary
Figure 4.3	Roaringwater Bay and Islands SAC, <i>eastern section</i>	Data points and transect lines
Figure 4.4	Roaringwater Bay and Islands SAC, <i>western section</i>	Data points and transect lines
Figure 4.5	Roaringwater Bay and Islands SAC	Distribution of maerl communities
Figure 4.6	Roaringwater Bay and Islands SAC, <i>eastern section</i>	Distribution of <i>Zostera marina</i> communities
Figure 4.7	Roaringwater Bay and Islands SAC, <i>western section</i>	Distribution of <i>Zostera marina</i> communities
Figure 4.8	Roaringwater Bay and Islands SAC, <i>Baltimore Harbour / Sherkin Island</i>	Data points and transect lines
Figure 4.9	Roaringwater Bay and Islands SAC, <i>Baltimore Harbour / Sherkin Island</i>	Distribution of <i>Zostera marina</i> communities
Figure 4.10	Roaringwater Bay and Islands SAC, <i>southwestern section</i>	Data points and transect lines
Figure 4.11	Roaringwater Bay and Islands SAC, <i>southwestern section</i>	Distribution of <i>Zostera marina</i> communities
Figure 4.12	Lough Hyne Nature Reserve and Environs SAC	SAC boundary
Figure 4.13	Lough Hyne Nature Reserve and Environs SAC	Data points and transect lines
Figure 4.14	Lough Hyne Nature Reserve and Environs SAC	Distribution of <i>Zostera marina</i> communities
Figure 4.15	Valentia Harbour and Portmagee Channel SAC	SAC boundary
Figure 4.16	Valentia Harbour and Portmagee Channel SAC, <i>western section</i>	Data points and transect lines
Figure 4.17	Valentia Harbour and Portmagee Channel SAC, <i>eastern section</i>	Data points and transect lines
Figure 4.18	Valentia Harbour and Portmagee Channel SAC, <i>western section</i>	Distribution of maerl communities
Figure 4.19	Valentia Harbour and Portmagee Channel SAC, <i>western section</i>	Distribution of <i>Zostera marina</i> communities
Figure 4.20	Valentia Harbour and Portmagee Channel SAC, <i>eastern section</i>	Distribution of <i>Zostera marina</i> communities
Figure 4.21	Broadhaven Bay SAC	SAC boundary
Figure 4.22	Glenamoy Bog Complex SAC (<i>Sruwaddacon Bay</i>)	SAC boundary
Figure 4.23	Broadhaven Bay SAC	Data points and transect lines
Figure 4.24	Glenamoy Bog Complex SAC (<i>Sruwaddacon Bay</i>)	Data points and transect lines
Figure 4.25	Broadhaven Bay SAC	Distribution of <i>Zostera marina</i> communities

Maps have been generated in a GIS project which utilized ArcView 3.2® GIS software. The GIS project consisted of plotting transect line data on digitized versions of Ordnance Survey 1:50,000 Discovery Series Maps.

The task of drawing boundary lines was completed manually in ArcView 3.2® and boundaries were drawn while paying heed to significant changes in bathymetric and seabed topographic detail, as indicated on the chart. Where it was felt such changes represented a high likelihood of discontinuity in a community, efforts were made to reflect this in the drawing of boundary lines. Appendix II summarises data recorded during individual transects while Appendix III contains species lists for key habitats encountered during fieldwork.

4.2 Results Roaringwater Bay and Islands SAC

Figures 4.2-4.11

The survey successfully revisited all previously recorded subtidal seagrass and maerl communities within Roaringwater Bay and Islands SAC. In the great majority of cases, the survey of this site accomplished the objective of mapping the extent and boundaries of these communities.

In addition substantial previously unrecorded communities of *Zostera marina* were recorded in several new locations including in particular

- Castle Island Spit
- Hare Island
- Long Island Sound (Cush Spit)
- Skeam East Island

No previously unknown maerl communities were recorded during the survey. In a small number of instances it was not possible for the survey to map all areas of maerl in Roaringwater Bay due to the presence of surface aquaculture loglines. The presence of these lines prevented surveying by either of the two available techniques. Diving was potentially hazardous on account of the overhead environment while use of the bottom viewer was not possible, as the survey platform could not be navigated safely around surface obstructions. Despite this, survey effort continued to the edge of mussel lines and survey coverage of maerl beds using available techniques was as comprehensive as possible. It was apparent that some encroachment over maerl communities in Roaringwater Bay may have been occurring and there was evidence of siltation on the maerl in a number of instances.

The survey failed to relocate a substantial number of small communities of seagrass whose presence was predicted by the earlier broadscale mapping survey. It is most likely however that the existence of these communities was predicted in error, as the physical nature of many such sites precluded the presence of seagrass communities on account of excessive water depths, high exposure or unsuitable substrata. Nevertheless, the survey ground truthed all predicted maerl and seagrass communities within Roaringwater Bay and Islands SAC. The survey also failed to relocate a previously recorded seagrass bed in on the west side of Sherkin Island. Other recorded seagrass beds that were not relocated included Croagh Bay in Long Island Sound and south of Rossbrin Cove (de Grave 1990).

The survey also noted the presence of substantial amounts of the invasive algae *Sargassum muticum* within Roaringwater Bay and Islands SAC during the survey. The heaviest growths of the species were observed on Horse Island Ridge amongst the seagrass beds, attached to surface mussel long lines in Roaringwater Bay and amongst seagrass beds at Hare Island. Smaller quantities were noted at many other locations within the site and it appears that the species is well established.

A substantial volume of video and stills photographic imagery in relation to the subtidal communities studied was accumulated during the survey and these are presented on accompanying electronic CD/DVD media. Of particular interest may be

video clip number 19 and number 20. Both clips were recorded during dives in close proximity to mussel lines. On both dives, the video was taken along a transect that is estimated to have commenced within 5 meters horizontal distance from a mussel line that appeared to have mussel stock attached to it. The transect line extended directly away from the mussel line and did not move in the direction of any other nearby mussel lines i.e. into open water. From both clips, the level of sediments/silt present on the seabed over maerl deposits can clearly be seen to decrease with increasing distance from the mussel line.

Species lists for a series of community characterisation dives conducted at each recorded community are presented in Appendix II.

A previous study recorded the presence of a very dense stand of the Peacock worm *Sabella pavonina* in Church Bay near Baltimore Harbour. The present survey successfully relocated this community, which was found to lie within an area that is used for the mooring of vessels. The moorings were well spaced and appeared to have been established for a long time. The community was characterised by long narrow bands of extremely densely packed *Sabella pavonina* that were located on top of apparently natural crests on the mainly muddy undulating seabed. The community appeared to be in good condition and no evidence of recent interference or impact from the overhead moorings was observed.

Both the Peacock worm *Sabella pavonina* and the Sand mason *Lanice conchilega* were widely observed and recorded in many locations throughout the site. Observed abundances of these species were usually Rare or Occasional. However, numbers of *Sabella pavonina* were recorded as being Frequent or Abundant at times on the maerl beds in Roaringwater Bay. On several occasions *Sabella pavonina* was recorded amongst *Zostera marina* that was growing amongst living maerl. In most cases numbers were observed as being Rare or in some instances Occasional.

No other significant communities of sensitive subtidal species were recorded during the survey.

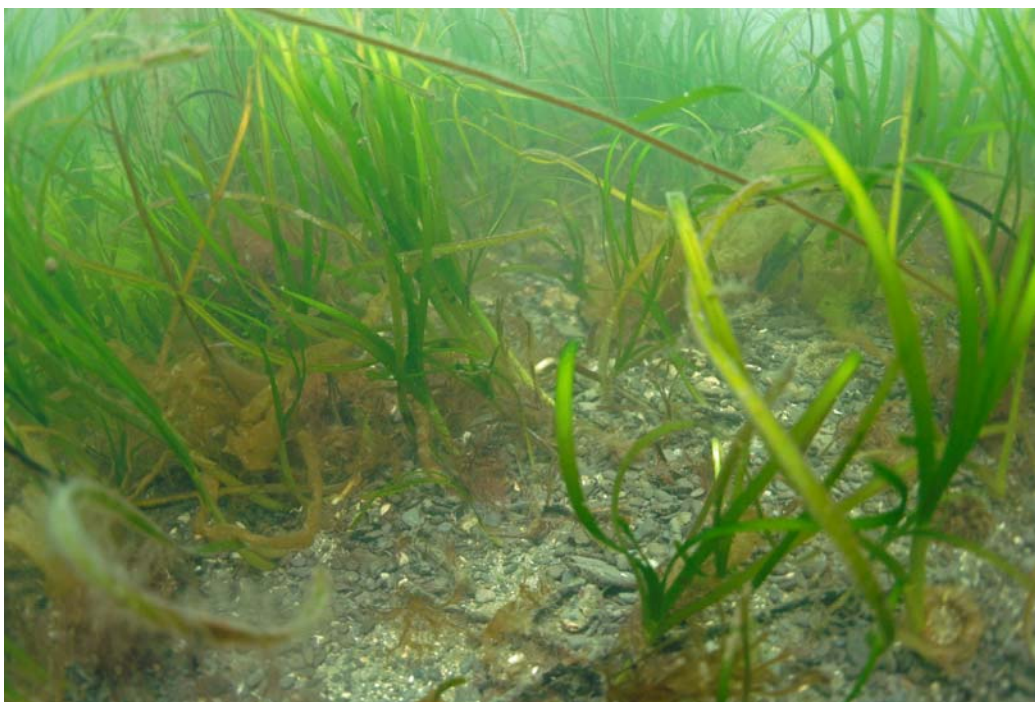


Figure 4.1(i) Seagrass *Zostera marina* growing on Horse Island Ridge, Roaringwater Bay and Islands SAC



Figure 4.1(ii) Seagrass *Zostera marina* bed showing substantial growth of *Sargassum muticum* Horse Island Ridge, Roaringwater Bay and Islands SAC



Figure 4.1 (iii) , Community of Peacock worm *Sabella pavonina*, *Baltimore Harbour*
Roaringwater Bay and Islands SAC



Figure 4.1 (iv) Community of *Lithophyllum dentatum* (maerl) near Carrigvigliash Rocks, Roaringwater Bay and Islands SAC

4.3 Results Lough Hyne Nature Reserve and Environs SAC

Figures 4.12 – 4.14.

This site comprises Lough Hyne proper as well as the rapids leading in from Barlogue Creek, Tranabo Cove and Tragumna Bay. Survey effort was concentrated in Barlogue Creek, for which a number of recent records indicated the presence of significant seagrass beds. All seagrass beds within Barlogue Creek were mapped during the survey and a substantial volume of photographic and video material was also collected. Community characterisation dives were conducted on all significant sensitive subtidal communities encountered and the results are presented in the species lists given in Appendix II. All video and photographic imagery is presented in the accompanying electronic CD/DVD media.

Substantial growth of *Sargassum muticum* was recorded from Barlogue Creek and it appears that the species has become well established particularly within the seagrass beds where it was observed to be growing amongst seagrass to form very large plants that extended to the surface.

Early records examined had indicated the presence of seagrass beds within the lough also. These were followed up during fieldwork however no seagrass whatsoever was located within the confines of Lough Hyne by the survey.

Additional survey time was expended investigating anecdotal reports for *Zostera marina* within Tranabo Cove, which lies slightly east of Barlogue Creek and which forms part of this site. As a result of this effort, the survey located and mapped the whereabouts of several small seagrass beds within the cove. No other communities of sensitive subtidal species were recorded during the survey of Lough Hyne Nature Reserve and Environs SAC.



Figure 4.1(v) *Zostera marina* bed at Barlogue Creek showing substantial growth of the invasive species *Sargassum muticum*.



Figure 4.1 (vi) *Zostera marina* bed at Barlogue Creek close to the moorings at Barlogue Quay.

4.4 Results Valentia Harbour and Portmagee Channel SAC

Figures 4.15 – 4.20

The survey of Valentia Harbour and Portmagee Channel successfully mapped the previously recorded seagrass communities in and around Knightstown Harbour, Beginish Island and Reencaheragh Point at Portmagee. Further ground truthing of broadscale biological community maps for Roaringwater Bay and Islands SAC was also carried out, however no significant additional sensitive subtidal communities were recorded.

A new record for seagrass in the area was made by the survey for a small site north of Glanleam Harbour and this community was mapped. A previously recorded seagrass bed east of Beginish Island was however not located by the survey. A second narrow band of seagrass, recently reported to extend for approximately 800 meters in the direction of Reenglass Point from an area south of the ferry slip in Knightstown, could not be located by the survey and is believed to no longer exist.

The boundaries of the known maerl community in Portmagee Channel were mapped during a series of dives and the extent of this community appears to be greater than previously believed. At its western extent, the maerl bed was found to continue significantly further in the direction of the entrance to Portmagee Channel than was predicted by the earlier Broadscale mapping project.

A substantial volume of photographic and video material was collected during the survey. Community characterisation dives were conducted on all significant sensitive subtidal communities encountered and the results are presented in the species lists given in Appendix II. All video and photographic imagery is presented in the accompanying electronic CD/DVD media.

Small numbers of the Peacock worm *Sabella pavonina* and the Sand mason *Lanice conchilega* were recorded amongst both maerl and seagrass beds within the site. In most cases numbers were observed as being Rare and in some instances Occasional. No other significant communities of sensitive subtidal species were recorded during the survey.

The failure to locate any of the previously recorded communities of the Seapen *Virgularia mirabilis* during the present survey is particularly notable. This species has been recorded as forming well-established communities within the site on many occasions in the past. Despite concerted efforts to relocate this community in several different areas of Valentia Harbour, no communities of this species were recorded during the present survey.



Figure 4.1 (vii) *Zostera marina* bed east of Reencaheragh Point, Portmagee Channel
Valentia Harbour and Portmagee Channel SAC



Figure 4.1 (viii) Maerl bed east of Reencaheragh Point, Portmagee Channel
Valentia Harbour and Portmagee Channel SAC

4.5 Results Broadhaven Bay SAC / Glenamoy Bog Complex SAC

Figures 4.21 - 4.25

The subtidal survey of Broadhaven Bay SAC took place with very little prior information available in relation to the nature or location of subtidal communities within the site. Little focused work had been carried at the site in the past and the only records available were from the BioMar survey of Irish marine habitats.

Despite this, the survey successfully identified and mapped very substantial and extensive beds of *Zostera marina*, mostly in the sheltered, shallow and sandy environment of inner Broadhaven, south of Gubnacashel Point. Direct observation of the seagrass beds using the sub-surface viewer was most effective at this site, mainly as a consequence of extremely clear waters. Very large tracts of seabed were rapidly mapped and substantial volumes of data collected. The site appears to encompass some of the most extensive seagrass beds recorded from any SAC within Ireland. Most of the seagrass beds were found to be in excellent condition and there was little or no sign of impacts from any source.

The survey was extended into the Glenamoy Bog Complex SAC with a view to mapping the distribution of intertidal seagrass beds (*Zostera noltii*) for which there were anecdotal records in Sruwaddacon Bay. Despite a concerted effort to locate these beds the survey did not find any seagrass within the area searched. The search area was limited to the southern section of Sruwaddacon Bay however and not all areas were investigated.

A substantial volume of photographic and video material was collected during the survey. Community characterisation dives were conducted on all significant sensitive subtidal communities encountered and the results are presented in the species lists given in Appendix II. All video and photographic imagery is presented in the accompanying electronic CD/DVD media.

No other significant communities of sensitive subtidal species were recorded during the survey. The Sand mason *Lanice conchilega* appeared to be present at very low numbers in many areas of the site however, while the Peacock worm *Sabella pavonina* was also present in low numbers amongst seagrass communities.



Figure 4.1 (ix) Abundant *Zostera marina* bed, Broadhaven Bay



Figure 4.1 (x) Peacock worm *Sabella pavonina* and Snakelocks anemone *Anemone viridis* amongst seagrass in Broadhaven Bay SAC

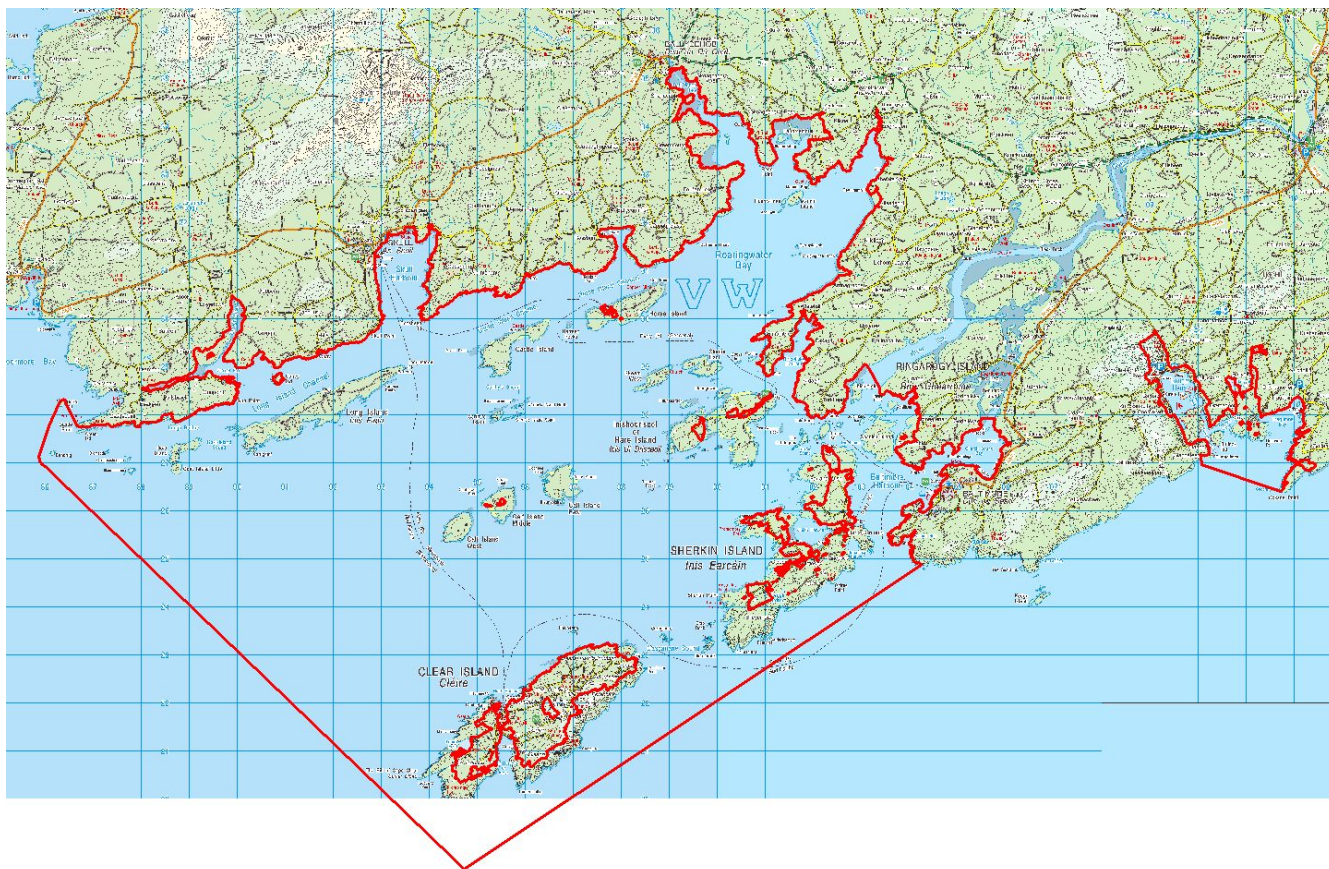


Figure 4.2 Boundary for Roaringwater Bay and Islands SAC.

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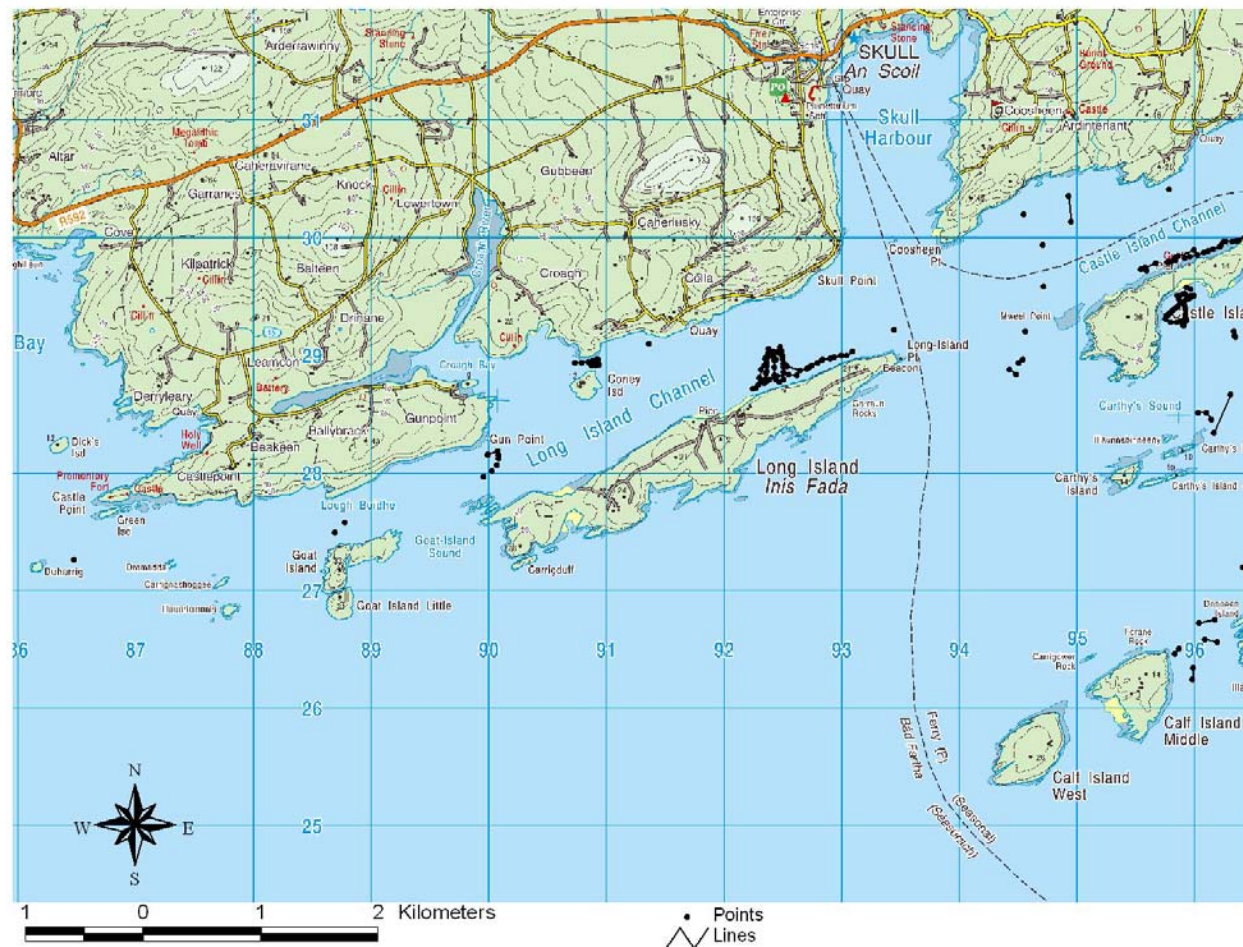


Figure 4.4 Location of transect lines and data points, Roaringwater Bay and Islands SAC (western section)

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Figure 4.5 Distribution of maerl communities in Roaringwater Bay and Islands SAC

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Figure 4.6 Distribution of *Zostera marina* communities, eastern section Roaringwater Bay and Islands SAC

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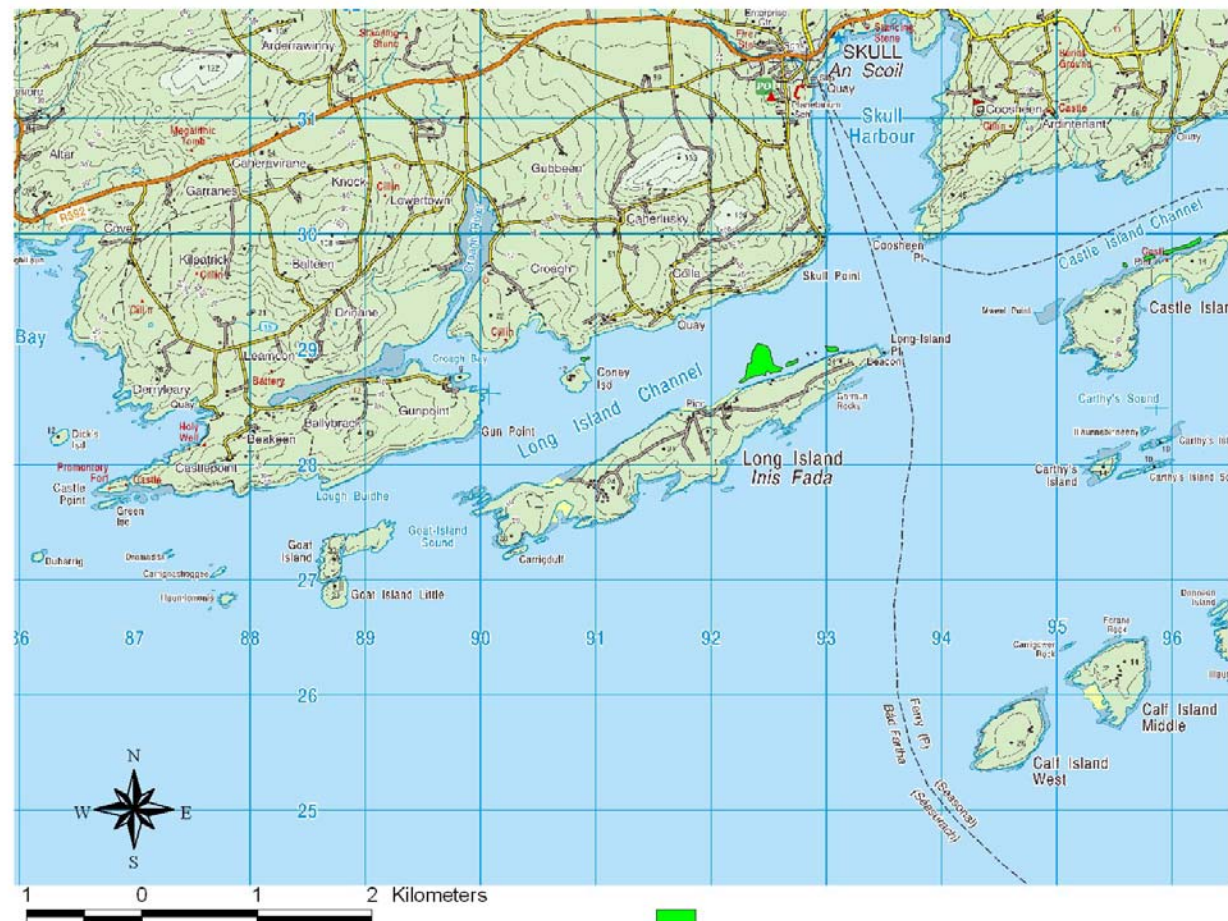


Figure 4.7 Distribution of *Zostera marina* communities, western section Roaringwater Bay and Islands SAC

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Figure 4.8 Data points and transect lines *Baltimore Harbour / Sherkin Island. Roaringwater Bay and Islands SAC*

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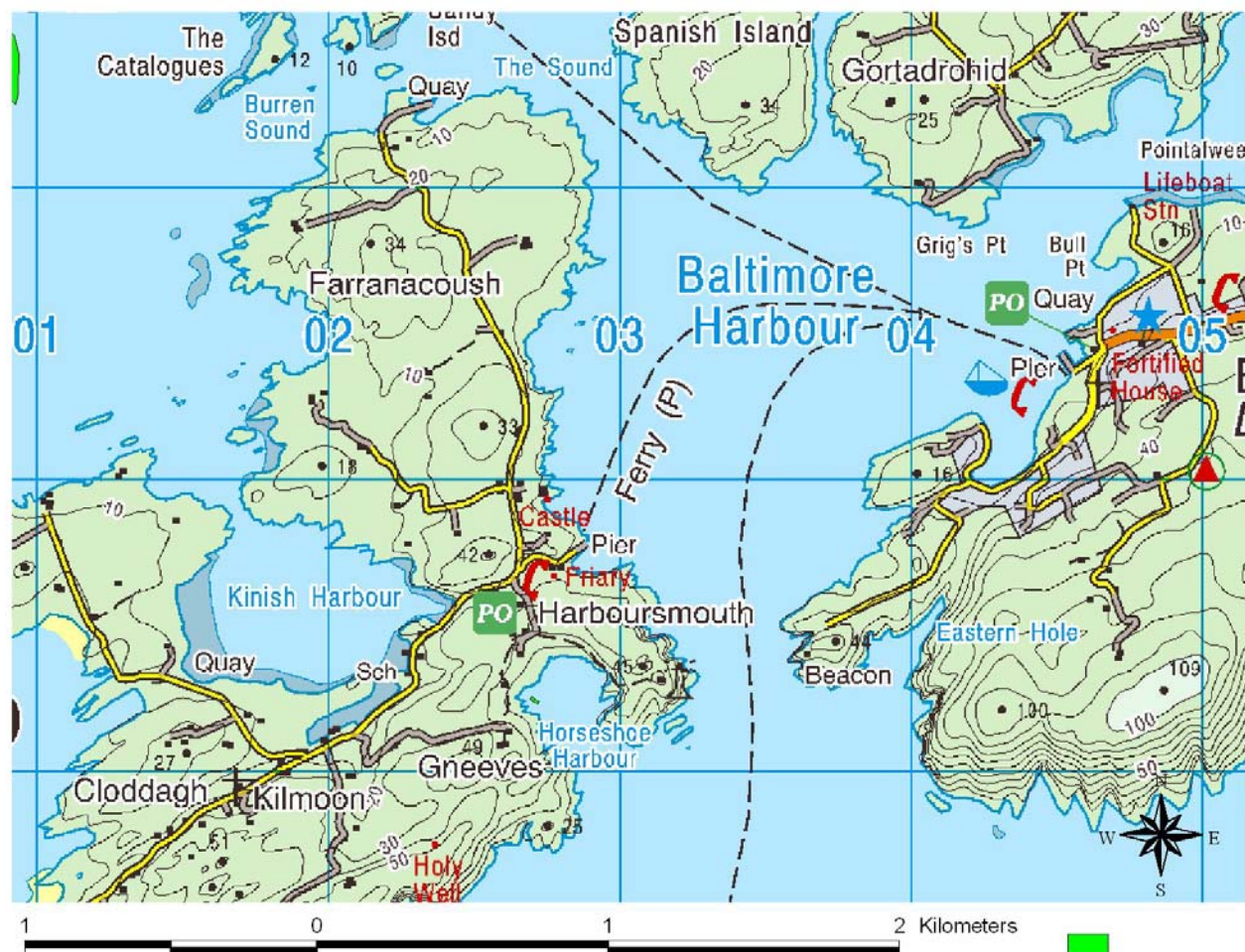


Figure 4.9 Distribution of *Zostera marina* communities, Baltimore Harbour / Sherkin Island. Roaringwater Bay and Islands SAC.
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Figure 4.10 Data points and transect lines, southwestern section Roaringwater Bay and Islands SAC,
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Figure 4.13 Data points and transect lines Lough Hyne Nature Reserve and Environs SAC

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Figure 4.14 Distribution of *Zostera marina* communities, Lough Hyne Nature Reserve and Environs SAC

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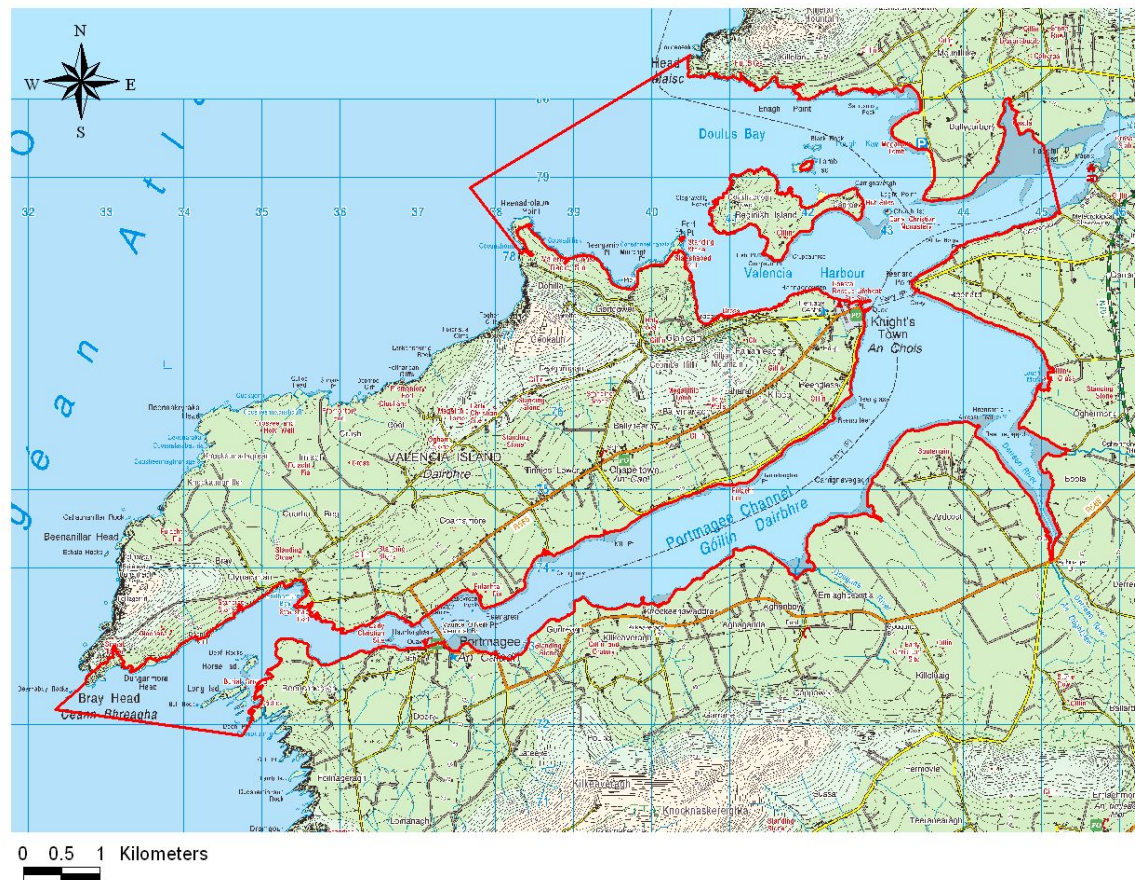


Figure 4.15 Boundary map Valentia Harbour and Portmagee Channel SAC

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Figure 4.16 Data points and transect lines, Valentia Harbour and Portmagee Channel SAC, western section

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Figure 4.17 Data points and transect lines, Valentia Harbour and Portmagee Channel SAC, eastern section

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Figure 4.18 Distribution of maerl communities, Valentia Harbour and Portmagee Channel SAC western section

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Figure 4.19 Distribution of *Zostera marina* communities, Valentia Harbour and Portmagee Channel SAC western section

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Figure 4.20 Distribution of *Zostera marina* communities, Valentia Harbour and Portmagee Channel SAC eastern section

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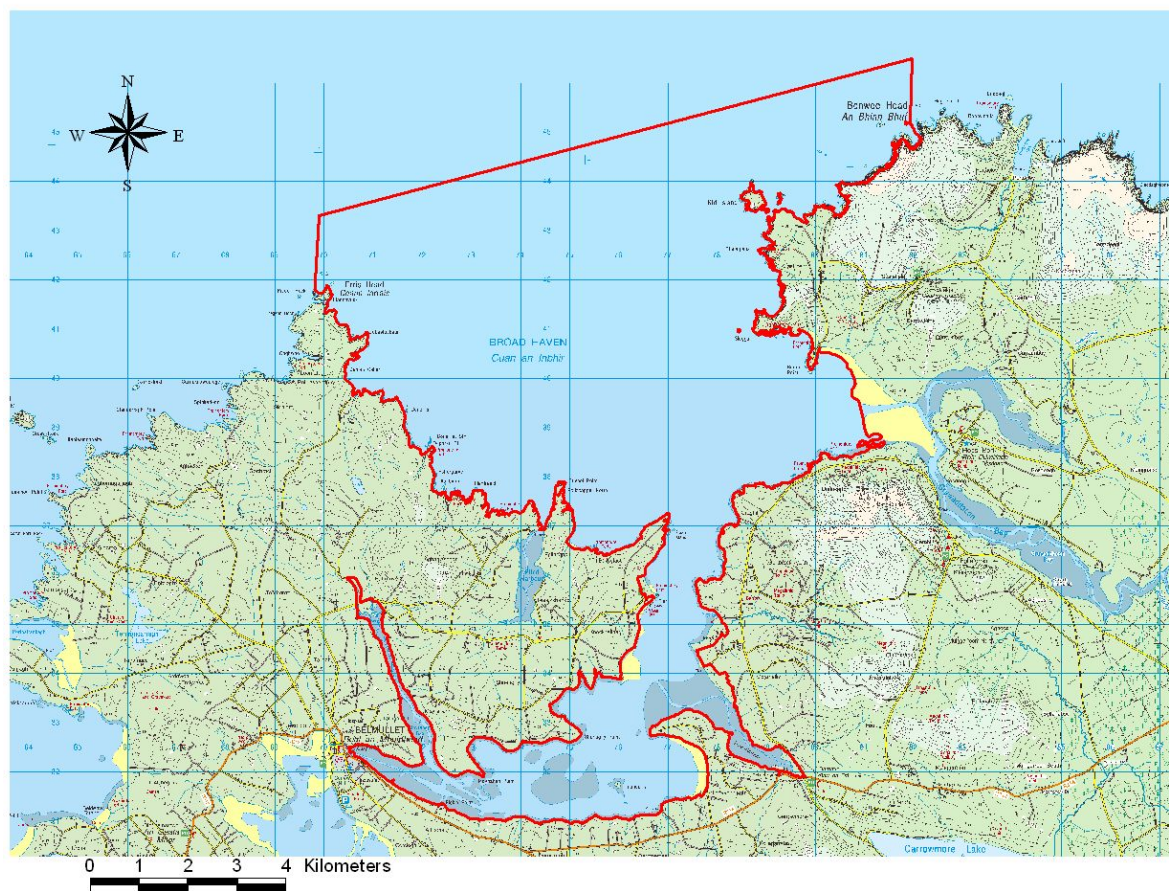


Figure 4.21 Broadhaven Bay SAC, boundary map.

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Figure 4.24 Data points and transects, Broadhaven Bay SAC/Glenamoy Bog Complex SAC (Sruwaddacon Bay)

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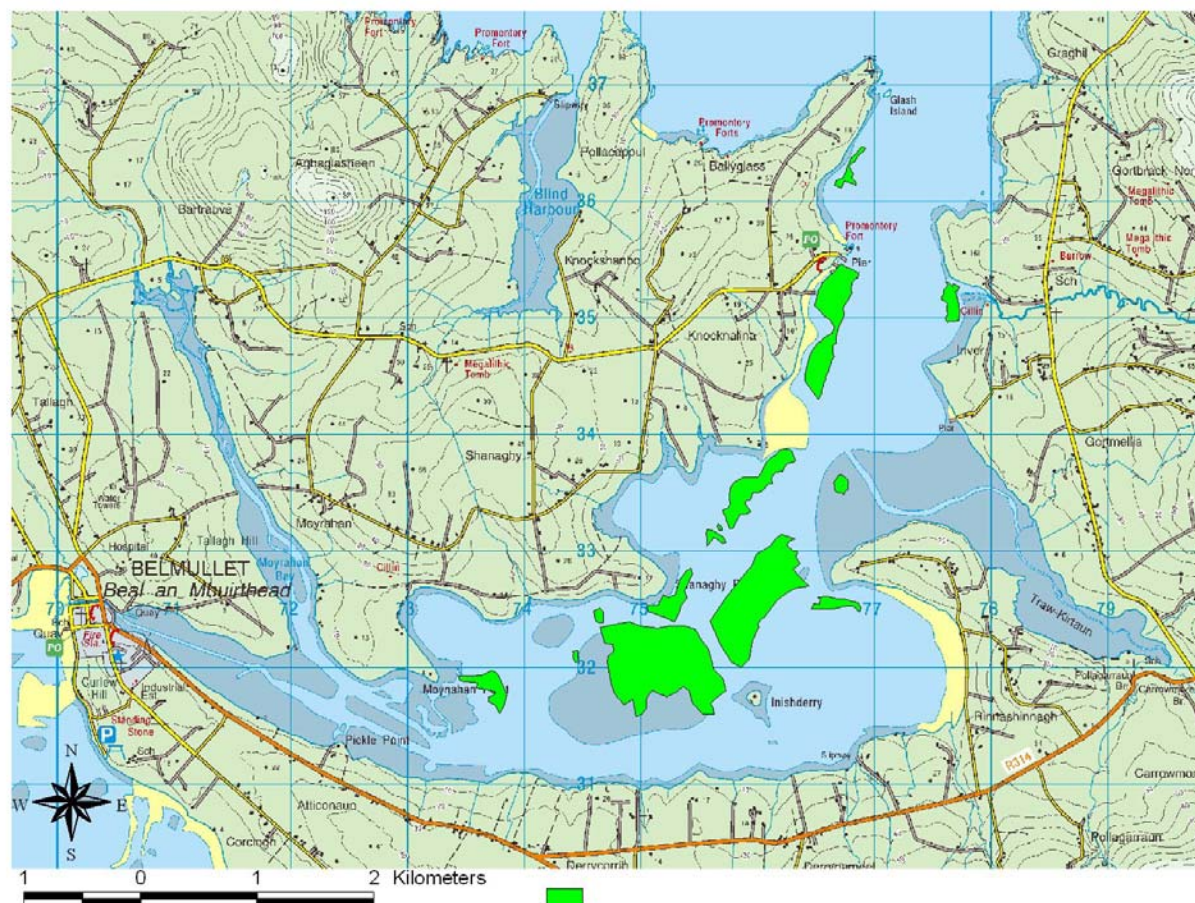


Figure 4.25 Distribution of *Zostera marina* communities, Broadhaven Bay SAC

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5. Summary

The present study has successfully further ground truthed data in relation to seabed habitats and biological communities collected during the earlier broadscale mapping projects in Roaringwater Bay and at Valentia Harbour and Portmagee Channel. The survey has refined the broadscale maps by identifying erroneous community predictions, while extending known community boundaries into intertidal areas. Furthermore, the survey has provided a substantial volume of high quality new and additional data in relation to the distribution and extent of sensitive subtidal communities in Roaringwater Bay and Islands SAC, Lough Hyne Nature Reserve and Environs SAC, Valentia Harbour and Portmagee Channel SAC and Broadhaven Bay SAC. Of great significance is the mapping of very large areas of previously unrecorded seagrass communities in particular in both Roaringwater Bay and Broadhaven Bay. The data includes an extensive number of observations in relation to the quality of the communities recorded and it is anticipated that this will contribute greatly in the future to the monitoring of the sites.

The survey has also been useful in identifying threats to habitats and biological communities at a number of sites.

The successes of the study can largely be attributed to the following factors:

- The use of a stable and shallow draft vessel as a survey platform
- the availability to the survey team of previous data in relation to the distribution and occurrence of sensitive subtidal communities at each of the sites
- the use of advanced mapping equipment Thales Mobile Mapper CE
- the availability of in-house survey vessel resources, ensuring greater control and over transect line location and spacing
- the use of diver propulsion vehicles to cover seabed during dive transects
- the use of an underwater viewer in place of SCUBA techniques under appropriate conditions

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Appendix I Site Synopses

Site Name: Roaringwater Bay and Islands SAC
Site Code: 000101

Roaringwater Bay, Co. Cork, is a wide shallow bay located on the southwest coast. The site includes the immediate coastline on the mainland from Long Island to Baltimore together with the whole bay and most of the islands. Bedrock is composed of a series of Devonian Old Red Sandstone reefs that run parallel to troughs of Devonian Carboniferous marine clastics in a north east/south west direction. These reefs emerge to form the islands on the south side of the bay and within the bay. Generally the coast is low-lying but the southern edge rises, in line with the hills behind Baltimore, to culminate in a summit of 160m on Cape Clear.

The bay itself has a wide variety of reef and sediment habitats, subject to a range of wave exposures and tidal currents, and has been selected for three marine habitats listed under the EU Habitats Directive, i.e. large shallow inlets and bays, marine caves and reefs. The shores of the bay range from the exposed, rocky shores of South Sherkin Island, to the sheltered rock, sand and mud communities of the Inner Bay and estuarine communities where the rivers enter the bay. The shallow subtidal reefs have good examples of kelp forest community grazed by the sea urchin *Echinus esculentus*.

The animal dominated reefs includes the feather star *Antedon bifida* community, the hydroid *Sertularia argentia* and *Hydrallmania falcata* community, and sponge and ascidian communities some of which are species rich and in which two rare species occur; the sponge *Tethyspira spinosa* and the rare red alga *Phyllophora sicula*. The scarce hydroid *Tamarisca tamarisca* occurs at a number of sites within the bay. These communities are typical of very sheltered areas with some current present. The cave community on Sherkin Island is home to the rare filamentous red alga, *Pterosiphonia pennata*. The sedimentary communities in Roaringwater Bay are exceptional. Of particular interest is the extensive bed of the calcareous free living red alga *Lithophyllum dentatum*, (generally termed maerl but may be locally known as 'coral') which is the largest in the country for this species. This bed typically contains specimens that are very large and uniquely flattened in form with the rare filamentous red alga *Spyridia filamentosa*. *Lithophyllum dentatum* is only known from 2 other sites. There are also other maerl communities and several seagrass beds (*Zostera marina*), which may co-occur with a particularly good example in Horseshoe Bay, Sherkin Island. The terrestrial habitats are also of conservation interest and include good examples of two habitats listed under the EU Habitats Directive, i.e. dry heath and sea cliffs. The coastal heath vegetation is typified by an abundance of Autumn Gorse (*Ulex gallii*), Heather (*Calluna vulgaris*) and Bell Heather (*Erica cinerea*). This is regularly burnt in most places so that there are clearings where grasses and herbs such as Wood Sage (*Teucrium scorodonia*), Common Violet (*Viola riviniana*) and Tormentil (*Potentilla erecta*) have a temporary rise to prominence before the shrubs grow again. Outcrops of rock bring variety into the heath and are the sites of the more interesting species. These include many southern plants, for example the rare Red

Data Book species Hairy Birdsfoot Trefoil (*Lotus subbiflorus*), the Common Birdsfoot itself (*Ornithopus perpusillus*), Spotted Rockrose (*Tuberaria guttata*), Pale Heath Violet (*Viola lactea*) and Lanceolate Spleenwort (*Asplenium billotii*). In addition there is a small amount of Deptford Pink (*Dianthus armeria*), the only place it grows in Ireland though it was likely to have been introduced. Flushes and damp places through this vegetation support some interesting liverworts as well as Birdsfoot Clover (*Trifolium ornithopodioides*) and the special annual plants of the south-west, Chaffweed (*Anagallis minima*), Yellow Centaury (*Cicendia filiformis*) and Allseed (*Radiola linoides*). Chamomile (*Chamaemelum nobile*) is also common with Yellow Bartsia (*Parentucellia viscosa*) somewhat less so.

High rocky seacliffs are confined to the southern and south-eastern sides of Clear Island and Sherkin Island. The steep areas of rocky cliffs are generally between 30 and 60 m in height, but more sloping ground with a heath overing extends to 120 m on Clear Island and to 100 m on Sherkin Island. Low, gently sloping cliffs occur elsewhere on some of the islands and on coastal sections of the mainland (mostly less than 30 m). The cliffs have typical maritime vegetation, with Sea Pink (*Armeria maritima*), Scurvy Grass (*Cochlearia* spp.), Red Fescue (*Festuca rubra*), Sea Campion (*Silene maritima*), Plantains (*Plantago maritima*, *P. coronopus*), Sea Samphire (*Crithmum maritimum*), Tree Mallow (*Lavatera arborea*) and, locally, Dotted Sedge (*Carex punctata*) and the Slender Spikerush (*Eleocharis uniglumis*). Two other Red Data Book plants, Little Robin (*Geranium purpureum*) and Sea Pea (*Lathyrus japonicus*) occur rarely on shingle beaches while Ray's Knotgrass (*Polygonum raii*) is more widespread. Several streams have been ponded by such beaches to create marshes of Reed (*Phragmites australis*) where Marsh Pennywort (*Hydrocotyle vulgaris*), Marsh Cinquefoil (*Potentilla palustris*) and Marsh Orchids (*Dactylorhiza majalis*, *D. incarnata*) are frequent together with some Creeping Willow (*Salix repens*) and Gypsywort (*Lycopus europaeus*). On Clear Island a similar marsh has developed into a bog with abundant bog mosses (*Sphagnum* spp.), Bogbean (*Menyanthes trifoliata*) and St John's Wort (*Hypericum elodes*). Sand is a notable feature of Sherkin Island and occurs to a small extent elsewhere. Wild Radish (*Raphanus raphanistrum*), Crested Hairgrass (*Koeleria macrantha*) and Sea Storksbill (*Erodium maritimum*) grow in this habitat with a little Haresfoot Clover (*Trifolium arvense*), Knotted Clover (*T. striatum*) and the Red Data Book Lesser Centaury (*Centaureum pulchellum*). Otter and Grey seal, two mammal species listed on Annex II of the EU Habitats Directive, occur within the site. Seabirds breed on some of the islands in the bay. A survey on Clear Island in 1995 reported the following species: Fulmar 716 pairs, Shag 59 pairs, Lesser Black-backed Gull 160 pairs, Herring Gull 51 pairs, Great Blackbacked Gull 50 pairs, Guillemot 42 individuals and Razorbill 31 individuals.

Cormorants breed on Calf Island, Carrigmore and The Catalogues (c. 100 pairs in mid 1980s), and there is a scattering of gulls on several other islands. Roaringwater Bay has a nationally important population of Black Guillemot, with 198 individuals counted in 1999. Terns (Arctic/Common) bred within the site in the 1980s, with a large colony of 122 pairs on Carrigvish Rock in 1984. Such large numbers, however, have not been seen since and there have been no records of breeding in the last 10 years. The site holds a very important concentration of Choughs (33 pairs in 1992), as well as several pairs of Peregrine Falcons. Both of these species are listed on

Annex I of the EU Birds Directive. Clear Island has Ireland's only manned bird observatory (established in 1959) and there is a marine research station on Sherkin Island.

In conclusion, Roaringwater Bay and Islands is a site of exceptional conservation importance, supporting diverse marine and terrestrial habitats, five of which are listed under the EU Habitats Directive. The site is also notable for the presence of Otter and Grey Seal plus a number of rare species and also supports important sea bird colonies.

Site Name: Lough Hyne Nature Reserve and Environs SAC
Site Code: 00097

This is a large coastal site (>400 ha.) situated just east of Roaringwater Bay some 5 km south-west of Skibbereen, county Cork. It includes Lough Hyne Nature Reserve on its western end, Ballyally Lough, the adjacent marshland area along the Bealariree stream and the coastline eastwards to Gokane Point, including Tragumna Bay. The site therefore encompasses a range of both marine and terrestrial habitats, including three habitats listed on Annex I of the EU Habitats Directive.

Lough Hyne is a deep landlocked bay joined by a narrow channel (Barloge Creek) to the sea. It is situated on alternating bands of lower Old Red Sandstone and Carboniferous slates. Approximately 4,000 years ago in post-glacial times this was a freshwater lake, but due to the post-glacial rise in sea level it is now saline. The narrowness of the connecting sea channel means that the tidal fluctuations are reduced to approximately 1m and consequently the zonation of the intertidal communities is confined to a narrow band along the shore. Another unusual feature of the site is the rapids created in the narrow channel when the tidal levels inside and outside the lough differ.

The site contains reefs which are very exposed to wave action on the open coast, as well as extremely sheltered reefs within the Lough, the latter is a very rare habitat in Ireland. Reefs are listed on Annex I of the EU Habitats Directive. Many of the communities found on the reefs are more characteristic of the exposed open coast and in Lough Hyne the sponge dominated communities occur at much shallower depths than on the open coast. Lough Hyne has been extensively studied and is known to have a very high species diversity and very high species richness for such a small area. On the open coast and within the Lough the rocky shores are renowned for the presence of the Mediterranean sea urchin *Paracentrotus lividus*. This is the most easterly limit for this species in Ireland. Dense stands of the kelp *Laminaria saccorhiza* are found in the rapids with a species rich faunal community under the boulders. Within the lough the shallow subtidal reefs may be characterised by a mixed kelp forest of *Laminaria saccharina* and *Sacchariza polyschides* with some *Laminaria digitata* and foliose red algae while in other areas *Laminaria saccharina* and *Cystoseira* species are the characterising algae. At the entrance to the lough where there is strong water movement the brown algae *Halydris siliquosa* and mixed kelp species are characteristic, a community that is typical of moderately exposed tide swept areas. With increasing depth at this area communities more characteristic of areas exposed to wave action on the open coast are found; sponges hydroids, cupcorals, solitary sea squirts and red algae dominate the boulders. The vertical surfaces are colonised by the jewel anemone, the sponge *Esperiopsis fucorum* and solitary sea squirts; a bryozoan turf of *Crisia* species may also be present. Cobbles, pebbles and gravel support a community of keel worm *Pomatoceros triqueter*, the barnacle *Balanus crenatus* and bryozoan crusts.

In sheltered areas away from the turbulent water entering the lough much of the rock is covered by solitary sea squirts and sponges. The cliffs within the lough support a wide variety of sponges the cup coral and a community characterised by the rare soft coral *Paraerythropodium coralloides*, which is more characteristic of open water.

Rare sponges that are known to occur within the lough includes *Plakortis simplex* and *Halicnemis patera*. Two rare gobies are found in Lough Hyne: Couche's goby *Gobius couchi* and the Red-mouthed goby *Gobius cruenatatus*. Two sea-slugs more commonly found in the Mediterranean occur in Lough Hyne: *Dicata odhneri* and *Facelina dubia*. The southern cup coral *Caryophyllia inornatus* occurs close to the rapids and is the only known site in Ireland for this species. 75% of the marine algae on the national species list have been recorded in the area. These include the rare species *Osmundea truncata*, *Gymnogongris devoniensis* and *Notastoma canariensis*. Large mats of the red algae *Trailliella* also occur. Much of the floor of Lough Hyne is soft mud, but areas of pebbles, gravel and muddy sand also occur in shallow water around the edges of the lough. In sheltered areas the pebbles and gravel are colonised by solitary sea squirts while the sand and mud are colonised by burrowing anemones. The scallop *Pecten maximus* may also be present and in some areas the Dublin Bay prawn *Nephrops norvegicus* is common. Outside The Lough in Southern Bay and Barloge Bay dense stands of Eelgrass (*Zostera Marina*) occur growing on coarse sand.

There is a large cave on the southwestern side of Bullock Island. The brown alga *Laminaria hyperborea* occurs at the entrance and a short distance into the cave due to good light penetration. The red alga *Cryptopleura ramosa* occurs on the sides of the cave and into the intertidal areas within the cave. Rockpools within the cave are characterised by sheets of the jewel anemone *Corynactis viridis*, a species found in areas subject to wave action. To the north of Lough Hyne is the mixed woodland of Knockomagh, whose species include Oak (*Quercus petraea*), Beech (*Fagus sylvatica*) and Sycamore (*Acer pseudoplatanus*) with some Holly (*Ilex aquifolium*) and Yew (*Taxus baccata*). However, there has been much planting of coniferous species such as Sitka spruce (*Picea sitchensis*), Lodgepole pine (*Pinus contorta*) and Larch (*Larix* spp.) in the wood over the last 30 years. Surrounding the lough are areas of heathland with western gorse (*Ulex gallii*) and Bracken (*Pteridium aquilinum*), scrub woodland and some improved agricultural grassland. The land to the east includes Ballyally Lough and Bealariree Marsh. The northern end of the marsh supports some wet woodland with Willow (*Salix* spp.) and Alder (*Alnus glutinosa*); the marsh itself is dominated by the Common Reed (*Phragmites australis*), with much wild celery (*Apium graveolens*) in the upper reaches of Bealariree stream. The remainder of the site follows the rocky coastline, whose physical features include marine caves, a habitat listed on Annex I of the EU Habitats Directive, cliffs and a blow-hole. The cliffs on the eastern edge of Tragamna Bay are used by small numbers of breeding seabirds, as well as breeding Raven, Peregrine and Chough. The last two species are listed on Annex I of the EU Birds Directive. Fields to the northeast of Gokane Point also contain the rare Red Data Book species, Sharp-leaved Fluellen (*Kickxia elatine*).

Because it is nearly land-locked with relatively little tidal exchange of water, Lough Hyne is vulnerable to the effects of eutrophication. Polluting operations around the lake (including heavy fertilization of agricultural land), and pollution of the streams and drains which feed into the lough, should be prevented where possible. The lough is also used by scuba-divers and field studies groups and disturbance of the habitats and the removal of biological material, especially of Shellfish (e.g. Scallop, Sea Urchins and Lobster) is a potential threat.

Lough Hyne has been recognised as an internationally important ecological site, with

both botanical and zoological interest. The surrounding coastland area also supports a range of habitats which are both scientifically interesting and very scenic. This site contains important examples of three habitats listed on Annex I of the EU Habitats Directive. The high species diversity and the presence of a number of rare and unusual species adds further interest to the area.

Site Name: Valentia Harbour and Portmagee Channel SAC
Site Code: 1482

Valentia Harbour and Portmagee Channel, at the tip of the Iveragh peninsula in Co. Kerry, separate Valentia Island from the mainland. The Channel, which is approximately 1km wide, and Valentia Harbour and Douglas Bay to the east of the island, contain important examples of three habitats listed on Annex I of the EU Habitats Directive – reefs, large shallow inlets and tidal mudflats.

The reefs range from high water to 34 m in depth. They support an excellent range of communities from those that are typical of areas very exposed to wave action to those typical of areas sheltered from wave action but with some tidal stream present. A number of uncommon shallow subtidal communities occur here. The area also has an excellent range of sediment communities present including beds of free living red calcareous algae generally called maerl beds (also known as ‘coral’) with the uncommon anemone *Halcampa chrysanthellum*. Areas of soft mud or muddy sand are characterised by the sea pen *Virgularia mirabilis* and a range of burrowing anemones including the very rare species, *Edwardsia delapiae* which has not been recorded since it was originally found and described from this area in 1928, and *Scolanthus callimorphus*, only known from Kilkieran Bay, Co Galway and one site in England. The phoronid *Phoronis psammophila* occurs in this community and has not been recorded elsewhere in Ireland or Britain.

The littoral reefs of Valentia Island are composed of areas that are exposed to, or very sheltered from, wave action. At exposed sites there is a typical zonation for this habitat: an upper shore with a narrow band of the brown alga, *Pelvetia canaliculata*; a mid shore covered by barnacles, limpets and mussels with rock pools containing the purple sea urchins, *Paracentrotus lividus*, and coralline algal crusts; and a low shore dominated by mussels and barnacles with *Porphyra* sp. followed by mixed kelp species (*Laminaria digitata*, *Laminaria saccharina* and *Saccorhiza polyschides*). On mixed substrate in sheltered areas there is a typical zonation of bands of *Ascophyllum nodosum* and *Fucus vesiculosus* in the mid shore with *Fucus serratus* in the low shore. The subtidal fringe has mixed kelp species with an understory of red algae. On the north-east shore of Portmagee Channel, the very low shore has seagrass beds (*Zostera marina*) and a variety of bivalve species. Burrowing anemones, in particular *Cereus pedunculatus* occur in gravel and mud in very sheltered areas. Boulders in the sublittoral fringe have a kelp community on top and on the undersides a community of bryozoans and sea squirts (*Polyclinum aurantium* and *Morchellium argus*). The shallow water reefs in areas very exposed to wave action have kelp park communities of *Laminaria hyperborea* with dense foliose algae, the jewel anemone *Corynactis viridis* and the sea squirt *Pycnoclavella aurilucens*. Reefs moderately exposed to wave action with moderate current display good examples of *Laminaria hyperborea* forest with a cushion fauna of sponges and ascidians which is considered uncommon. Another unusual community characterised by the keel worm *Pomatoceros triqueter* and occasional kelp occurs on areas of scoured cobbles. Vertical rock supports a range of hydroids, red algae, the sea urchin *Echinus esculentus* with only occasional kelp plants. In sheltered areas either a species rich community of mixed kelps with sand scour tolerant fauna may be present or a forest of *Laminaria hyperborea* and *Laminaria saccharina* may occur. This latter community is considered uncommon. Isolated silty bedrock outcrops support

sponges, hydroids, anemones and occasional red and brown algae.

In deeper water at the western entrance to Portmagee Channel the reefs are very exposed or moderately exposed to wave action. Very steep bedrock is characterised by sponges, the jewel anemone *Corynactis viridis* and the cup coral *Caryophyllia smithi*. More gently sloping and upward facing circalittoral bedrock is characterised by pink coralline crusts, encrusting bryozoans, *Caryophyllia smithi*, *Echinus esculentus* and the sponges *Haliclona viscosa* and *Mycale rotalis*. These communities are typical of these habitats.

The very sheltered beach on the shores of the Valentia River estuary has a gradually sloping shingle beach, with a narrow band of *Fucus vesiculosus*, *Ascophyllum nodosum* and *Enteromorpha* sp., amphipods (*Echinogammarus marina*) and winkles (*Littorina littorea*) are frequent under the algae. Seaward of the shingle in muddy sand the polychaetes *Scoloplos armiger* and the lug-worm *Arenicola marina* are common. The tide swept low shore is characterised by the polychaetes *Lanice conchilega*. The bivalve *Scrobicularia plana* is common in the upper mid shore, while *Angulus tenuis* is more prevalent in the mid and low shore.

The site has a good range of sediment communities which vary from gravel and pebbles to maerl, sand and mud. The moderately exposed sediments consist of areas of medium sand with the burrowing sea urchin *Spatangus purpureus* and the bivalve *Dosinia exoleta*. Areas with mixed sediments with different combinations of pebbles, gravel and mud are generally characterised by a variety of hydroids, anemones, bivalves and red algae. Soft mud or muddy sand is characterised by burrowing anemones, in particular *Sagartiogeton undata* and *Edwardsia clapedii*, the sea pen *Virgularia mirabilis*, the molluscs *Philine aperta* and *Haminoe navicula*, and bivalves. *Haminoe navicula* is common in these communities but rare elsewhere in Ireland. A number of other uncommon marine species are found within the site including the rare phoronid *Phoronis psammophila* which occurs at a number of locations within the site and two rare burrowing anemones *Edwardsia delapiae* and *Scolothus callimorphus*. The site is of particular interest because it contains important examples of three habitats listed on Annex I of the EU Habitats Directive.

Site Name: Broadhaven Bay SAC
Site Code: 000472

Broadhaven Bay is a large, north facing bay situated on the north-west Mayo coast. The site extends from the innermost part of the bay at Belmullet to the outer marine area between Erris Head and Benwee Head. At its outermost part, the site is 10 km wide. Exposure to prevailing winds and wave action diminishes from the mouth toward the head of the bay. Subsidiary inlets along the length of the bay provide further areas of additional shelter.

Broadhaven Bay encompasses a range of marine and coastal habitats from extremely exposed bedrock at Benwee Head to sheltered sediments in the inner bay. There are good examples of wave-surfed cave communities in shallow water with the anemone *Phellia gausapata* typically found in areas very exposed to wave action. A cave in deeper water supports colonies of the rare anemone *Parazoanthus anguicomus* and the soft coral *Alcyonium glomeratum*. The subtidal reef communities in the outer part of the bay are good examples of the zonation from kelp forest in shallow water to kelp park with an understudy of foliose brown algae and to the sponge communities in deeper water. Species richness can be high (up to 72 species) and the widely distributed but uncommon crab *Pirimela denticulata*, and hydroid *Tamarisca tamarisca* were both found at one site. In deeper water the reef communities are characterised by the Axinellid sponge community, communities tolerant of sand scour and communities typical of vertical or steeply sloping bedrock. A range of sublittoral sediments occurs within the site with sediment in the outer part of the bay characterised by bivalves or the burrowing urchin *Echinocardium cordatum*. Seagrass (*Zostera marina*) occurs in more sheltered areas and the oyster *Ostrea edulis* may be present. The inner part of the bay has extensive areas of intertidal mud characterised by polychaete communities or muddy sand which support communities of polychaetes and bivalves, typical for these substrates.

Salt marshes occur in the very sheltered areas at Tallagh and Barnatra. These are fringe marshes on peat and typical of the Atlantic salt meadow type. Species present include Thrift (*Armeria maritima*), Sea Arrowgrass (*Triglochin maritima*), Sea Plantain (*Plantago maritima*), Common Salt-marsh Grass (*Puccinellia maritima*), and the rushes *Juncus gerardii* and *Juncus maritimus*. Turf fucoids occur.

Inishderry, a small island in the inner bay, supports important numbers of breeding terns, with Sandwich Tern (81 pairs in 1995) and Common and Arctic Terns (42 pairs in 1995). The rare Little Tern has bred in the past. The island also has breeding Black-headed Gulls (100 individuals in 1995).

Broadhaven Bay is an important area for wintering waterfowl, being part of a large complex that includes the Mullet and Blacksod Bay. Based on average peak counts over the five winters 1994/95 to 1998/99 the following species have nationally important populations: Red-breasted Merganser (38), Ringed Plover (484), Grey Plover (52), Sanderling (74), Dunlin (2,108) and Bar-tailed Godwit (484). In some winters Brent Goose numbers exceed the threshold of 200 for national and international importance. Regionally important numbers of a number of other species occur: Oystercatcher, Golden Plover, Lapwing, Knot, Curlew, Redshank and

Turnstone.

This site is of high conservation importance owing to the presence of several habitats that are listed on Annex I of the EU Habitats Directive: large shallow bays; intertidal sand flats, reefs, marine caves and salt marshes. In addition it has ornithological importance for breeding and wintering birds.

Appendix II Species lists

Location	Broadhaven Bay SAC
Grid Reference	73821 331844
Date	07/09/2007
Depth	6 m
Site description	<i>Zostera marina</i> (Abundant) but silted over and with a short leaf length (Approximately 0.3-0.4m). <i>Sabella pavonina</i> was frequent throughout the <i>Zostera marina</i> bed.

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	A	4-73821_331844/ 13-7-73821_331844
<i>Sabella pavonina</i> (Savigny)	F	2-73821_331844/ 5-73821_331844/ 6-73821_331844/ 15-73821_331844
<i>Anemonia viridis</i> (Forsk.)	F	14-7-73821_331844
<i>Ascidella aspersa</i> (Muller)	F	7-73821_331844
<i>Anthopleura ballii</i> (Cocks)	O	8-73821_331844/ 9-73821_331844
<i>Clavelina lepadiformis</i> (Muller)	R	12-73821_331844
<i>Liocarcinus depurator</i> (Linnaeus)	O	
<i>Necora puber</i> (Linnaeus)	O	
<i>Lanice conchilega</i> (Pallas)	O	
<i>Gobiosculus flavescens</i> (Fabricius)	O	

Additional images:

16-73821_331844 – Wide-angle overview of *Zostera marina* bed

17-73821_331844 - Wide-angle overview of *Zostera marina* bed

Location	Broadhaven Bay SAC
Grid Reference	76623 334842
Date	07/09/2007
Depth	4 m
Site description	<i>Zostera marina</i> (Abundant) on sand. This large and intact bed appears to be very healthy with a leaf length of approximately 0.5m.

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	A	1 - 76623 334842 to 6 - 76623 334842
<i>Anemone viridis</i>	O	
<i>Lanice conchilega</i> (Pallas)	R	

Additional images:

76623 334842 – All recorded images present a wide-angle over view of *Zostera marina* bed

Location	Broadhaven Bay SAC
Grid Reference	76810 336190
Date	07/09/2007
Depth	6 m
Site description	<i>Zostera marina</i> (Patchy but Abundant) on sand. This bed appears to be very healthy with a leaf length of approximately 0.5m.

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	A	1-76810_336190/2-76810_336190/5-76810_336190/8-76810_336190
<i>Lanice conchilega</i> (Pallas)	O	3-76810_336190/4-76810_336190
<i>Liocarcinus depurator</i> (Linnaeus)	O	6-76810_336190
<i>Pomatoschistus pictus</i> (Malm)	F	7-76810_336190
<i>Turritella communis</i> (Risso)	O	
<i>Palaemon serratus</i> (Pennant)	F	
<i>Marthasterias glacialis</i> (Linnaeus)	R	
<i>Centrolabrus exoletus</i> (Linnaeus)	O	

Additional images:

9-76810_336190 – Wide angle over view of *Zostera marina* bed

10-76810_336190 - Wide angle over view of *Zostera marina* bed

Location	Broadhaven Bay SAC
Grid Reference	77694 335198
Date	7/09/2007
Depth	5 m
Site description	<i>Zostera marina</i> (Abundant) on sand. This is a very dense bed of <i>Zostera marina</i> in a very healthy condition with leaf lengths of up to 0.7m

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	D	1-776942_335198/ 7-776942_335198/ 8-776942_335198
<i>Scylliorhinus caniculus</i> (Linnaeus)	R	2-776942_335198
<i>Anemonia viridis</i> (Forsk.)	F	5-776942_335198/6-776942_335198
<i>Macropodia tenuirostris</i> (Leach)	R	9-776942_335198
<i>Callionymus lyra</i> (Linnaeus)	O	
<i>Gibbula cineraria</i> (Linnaeus)	F	
<i>Liocarcinus depurator</i> (Linnaeus)	R	

Additional images:

10-776942_335198 - Wide-angle overview of *Zostera marina* bed

11-776942_335198 - Wide-angle overview of *Zostera marina* bed

Location	Barlogue Creek close to the rapids, Lough Hyne NR and Environs SAC
Grid Reference	110063 28030
Date	26/07/2007
Depth	3 m
Site description	<i>Zostera marina</i> (Abundant) on sand and gravel with <i>Sargassum muticum</i>

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	A	1 to 7 - 110063 28030
<i>Anemonia viridis</i> (Forsk.)	A	14 – 110063 28030
<i>Pagurus bernhardus</i> (Linnaeus)	O	
<i>Liocarcinus depurator</i> (Linnaeus)	P	
<i>Sargassum muticum</i> (Yendo)	O	6 to 10 - 110063 28030
<i>Necora puber</i> (Linnaeus)	O	
<i>Chorda filum</i> (Linnaeus)	R	
<i>Ulva lactuca</i> (Linnaeus)	R	
<i>Lanice conchilega</i> (Pallas)	P	
<i>Gobiosculus flavescens</i> (Fabricius)	F	
<i>Pomatoceros lamarcki</i> (Quatrefages)	F	

Location	Barlogue Creek close to moorings east of Barlogue Quay in Lough Hyne NR and Environs SAC
Grid Reference	110094 27542
Date	26/07/2007
Depth	3 m
Site description	<i>Zostera marina</i> (Frequent) with a short leaf length on sand.

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	F	1 to 14 - 110094 27542
<i>Anemonia viridis</i> (Forsk.)	A	
<i>Sargassum muticum</i> (Yendo)	O	7 to 14 - 110094 27542
<i>Ulva lactuca</i> (Linnaeus)	F	
<i>Necora puber</i> (Linnaeus)	O	
<i>Macropodia tenuirostris</i> (Leach)	F	
<i>Syngnathus acus</i> (Linnaeus)	P	
<i>Gibbula cineraria</i> (Linnaeus)	O	
<i>Cancer pagurus</i> (Linnaeus)	P	
<i>Palaemon serratus</i> (Pennant)	F	

Location	Roaringwater Bay and Islands SAC – Cush Spit <i>Zostera</i> bed
Grid Reference	92401 29036
Date	21/06/07
Depth	4 m
Site description	Seagrass bed on Cush Spit, Long Island Sound

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i>	A	1 to 5 92401 29036
<i>Ulva lactuca</i> (Linnaeus)	O	
<i>Cancer pagurus</i> (Linnaeus)	R	
<i>Anome viridus</i>	O	
<i>Sabella pavonina</i> (Savigny)	R	
<i>Pagurus berhardus</i> (Linnaeus)	O	
<i>Chorda filum</i> (Linnaeus) Stackhouse	O	
<i>Anthopleura ballii</i> (Cocks)	R	
<i>Myxicola infundibulum</i> (Renier)	O	

Location	Roaringwater Bay and Islands SAC, northeast corner of Castle Island
Grid Reference	96237 29939
Date	21/06/07
Depth	4 m
Site description	<i>Zostera marina</i> (Frequent) on coarse sand

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i>	F	6 to 8 96237 29939
<i>Pagurus berhardus</i> ((Linnaeus)	O	
<i>Chorda filum</i> (Linnaeus) Stackhouse	O	
<i>Anthopleura ballii</i> (Cocks)	O	1-96237 29939/4-96237 29939
<i>Macropodia tenuirostris</i> (Leach)	R	5-96237 29939
<i>Necora puber</i> (Linnaeus)	O	
<i>Anemonia viridis</i> (Forsk.)	A	2-96237 29939/3-96237 29939

Location	Roaringwater Bay and Islands SAC, eastern end of Horse Island
Grid Reference	96756 30307
Date	21/06/07
Depth	4 m
Site description	<i>Zostera marina</i> Frequent on coarse sand with cobble and stones

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	F	1-96756 30307/2-96756 30307
<i>Pagurus berhardus</i> (Linnaeus)	O	9- 96756 30307/10-96756 30307
<i>Spirobis tridentatus</i> (Levinsen)	O	5-96756 30307/11-96756 30307
<i>Anthopleura ballii</i> (Cocks)	R	3-96756 30307/4-96756 30307
<i>Necora puber</i> (Linnaeus)	O	6-96756 30307
<i>Asterias rubens</i> (Linnaeus)	R	7-96756 30307/12-96756 30307
<i>Liocarcinus depurator</i> (Linnaeus)	O	8-96756 30307
<i>Anemonia viridis</i> (Forsk.)	F	

Additional images:

14-96756_30307 Wide-angle view of *Zostera* bed

15-96756_30307 Wide-angle view of *Zostera* bed

Location	Roaringwater Bay and Islands SAC, Horse Island Ridge
Grid Reference	99096 31042
Date	21/06/07
Depth	4 m
Site description	<i>Zostera marina</i> (frequent) on coarse sand

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	F	
<i>Lanice conchilega</i> (Pallas)	F	5-99096 31042
<i>Anemonia viridis</i> (Forsk.)	F	
<i>Sargassum muticum</i> (Yendo) Fensholt	F	8-99096 31042/10-99096 31042
<i>Chaetopterus variopedatus</i> (Renier)	F	1-99096 31042/3-99096 31042
<i>Sabella pavonina</i> (Savigny)	O	3-99096_31042

Additional images:

11 to 15 99096_31042 Wide-angle overview of the site showing seagrass beds with associated growth of *Sargassum muticum*.

Location	Roaringwater Bay and Islands SAC, Skeam East Island
Grid Reference	99391_29206
Date	21/06/07
Depth	4 m
Site description	<i>Zostera marina</i> (Abundant) on sand. Very species poor

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	A	1 to 9 96756 30307
<i>Spirobis tridentatus</i> (Levinsen)	O	
<i>Liocarcinus depurator</i> (Linnaeus)	O	
<i>Anemonia viridis</i> (Forsk.)	F	
<i>Gibbula cineraria</i> (Linnaeus)	F	1-99391 29206/2-99391 29206
<i>Necora puber</i> (Linnaeus)	O	
<i>Pagurus berhardus</i> (Linnaeus)	O	

Location	Roaringwater Bay and Islands SAC, north of Seal Rock Hare Island
Grid Reference	99687 27382
Date	06/07/07
Depth	5m
Site description	<i>Zostera marina</i> community, on sand and gravel

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i>	A	5 - 99687_27382
<i>Chorda filum</i> (Linnaeus) Stackhouse	F	
<i>Sabella pavonina</i> (Savigny)	R	
<i>Sargassum muticum</i>	O	7 - 99687_27382
<i>Anemone viridis</i>	O	
<i>Maia squinado</i>	R	

Location	Roaringwater Bay and Islands SAC, near Illaunranhee / Rincolisky
Grid Reference	100927 30369
Date	21/06/07
Depth	4 m
Site description	<i>Zostera marina</i> Frequent on Maërl.

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	F	
<i>Maërl</i> (<i>Lithothamnion corallioides</i>)	A	8-100927 30369/9-100927 30369/10-100927 30369
<i>Myxicola infundibulum</i> (Renier)	F	1- 100927 30369/2-100927 30369
<i>Liocarcinus depurator</i> (Linnaeus)	O	
<i>Anemonia viridis</i> (Forsk.)	F	7-100927 30369
<i>Gibbula cineraria</i> (Linnaeus)	F	
<i>Necora puber</i> (Linnaeus)	O	
<i>Pagurus berhardus</i> (Linnaeus)	O	
<i>Sabella pavonina</i> (Savigny)	F	5- 100927 30369/6100927 30369/17-100927 30369/18-100927 30369
<i>Eupolymnia nebulosa</i> (Montagu)	O	
<i>Cancer pagurus</i> (Linnaeus)	R	

Additional images numbered 19 to 23 (100927 30369) are wide angle overviews of the site

Location	Roaringwater Bay and Islands SAC
Grid Reference	101145_31160
Date	06/07/06
Depth	4 m
Site description	Maërl (<i>Lithothamnion corallioides</i>) Frequent on sandy mud under a dense mat of filamentous green algae

Species	Abundance (DAFOR)	Image Reference Number
Maërl (<i>Lithothamnion corallioides</i>)	F	1-101145_31160/2-101145_31160/3-101145_31160
<i>Ulva lactuca</i> (Linnaeus)	F	
<i>Cancer pagurus</i> (Linnaeus)	R	
<i>Suberites ficus</i> (Linnaeus)	O	
<i>Sabella pavonina</i> (Savigny)	R	6-101145_31160
<i>Pagurus berhardus</i> (Linnaeus)	O	
<i>Chorda filum</i> (Linnaeus) Stackhouse	O	
<i>Eupolymnia nebulosa</i> (Montagu)	O	
<i>Anthopleura ballii</i> (Cocks)	R	
<i>Chaetopterus variopedatus</i> (Renier)	O	
<i>Myxicola infundibulum</i> (Renier)	O	
<i>Anemone viridis</i>	R	7-101145_31160

Location	Roaringwater Bay and Islands SAC, East of Carrigvigliash Rocks
Grid Reference	102171 32210
Date	06/07/06
Depth	4 m
Site description	Species poor mud with <i>Sabella pavonina</i> .

Species	Abundance (DAFOR)	Image Reference Number
<i>Sabella pavonina</i> (Savigny)	F	
<i>Ulva lactuca</i> (Linnaeus)	O	

Location	Roaringwater Bay and Islands SAC, near Rincolisky Castle
Grid Reference	101576_30458
Date	21/06/07
Depth	4 m
Site description	A community of <i>Zostera marina</i> growing amongst living maërl.

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	F	3 to 5 101576_30458
<i>Maërl</i> (<i>Lithothamnion corallioides</i>)	A	3 to 5 101576_30458
<i>Myxicola infundibulum</i> (Renier)	F	
<i>Anemonia viridis</i> (Forsk.)	F	2-101576_30458
<i>Gibbula cineraria</i> (Linnaeus)	F	
<i>Necora puber</i> (Linnaeus)	O	
<i>Turritella communis</i> (Risso)	F	
<i>Anthopleura balli</i>	O	1-101576_30458

Location	Roaringwater Bay and Islands SAC, North of Carrigvigliash Rocks
Grid Reference	101810_31853
Date	06/07/06
Depth	4 m
Site description	Maërl (<i>Lithophyllum dentatum</i>) on muddy sand. 100 percent cover of maërl, 80 percent living and 20 percent dead. Large dead plates present. Both plates and nodules of maërl present.

Species	Abundance (DAFOR)	Image Reference Number
Maërl (<i>Lithophyllum dentatum</i>)	A	1 to 5 101810_31853
<i>Cancer pagurus</i> (Linnaeus)	O	
<i>Eupolymnia nebulosa</i> (Montagu)	F	
<i>Aplidium punctum</i> (Giard)	R	
<i>Haliclona cinerea</i> (Grant)	F	
<i>Cereus pedunculatus</i> (Pennant)	R	
<i>Pagurus bernhardus</i> (Linnaeus)	O	
<i>Liocarcinus depurator</i> (Linnaeus)	O	
<i>Clavelina lepidiformis</i>	O	8- 01810_31853
<i>Galathea strigosa</i>	F	10-101810_31853
<i>Pomatoschistus</i> spp.		7-101810_31853

Notes: Photograph reference numbers 1-101810_31853 to 5-101810_31853 provide general habitat images of the maërl bed as detailed under site description.

Location	Roaringwater Bay and Islands SAC, East of Carrigvish Rock
Grid Reference	102063 31575
Date	06/07/07
Depth	5m
Site description	Maërl (<i>Lithothamnion corallioides</i>) occasional on sandy mud covered in a dense mat of filamentous green algae with <i>Chorda filum</i> . Very species poor under the algae.

Species	Abundance (DAFOR)	Image Reference Number
Maërl (<i>Lithothamnion corallioides</i>)	O	
<i>Chorda filum</i> (Linnaeus) Stackhouse	F	
<i>Sabella pavonina</i> (Savigny)	R	

Notes: Photograph reference numbers 1_102063 31575 and 2_102063 31575 provide general habitat images of the maërl bed as described under site description.

Location	Roaringwater Bay and Islands SAC, maerl bed NNE of Carrigvigliash Rocks
Grid Reference	102171 32210
Date	06/07/07
Depth	4 m
Site description	Maërl (<i>Lithophyllum dentatum</i>) on muddy sand. 90 percent cover of maërl, 80 percent living and 20 percent dead. Large dead plates present. Maërl silted over and covered in a layer of filamentous green algae. Both plates and nodules of maërl present. Many live plates 25 cm in width.

Species	Abundance (DAFOR)	Image Reference Number
Maërl (<i>Lithophyllum dentatum</i>)	A	9 to 14 102171 32210
<i>Cancer pagurus</i> (Linnaeus)	O	
<i>Eupolyornia nebulosa</i> (Montagu)	F	
<i>Aplidium punctum</i> (Giard)	R	
<i>Haliclona cinerea</i> (Grant)	R	
<i>Cereus pedunculatus</i> (Pennant)	O	
<i>Pagurus bernhardus</i> (Linnaeus)	O	
<i>Liocarcinus depurator</i> (Linnaeus)	O	
<i>Chlamys varia</i> (Linnaeus)	F	
<i>Myxicola infundibulum</i>	R	11_102171 32210

Notes: Photograph reference numbers 2_102171 32210 to 7_102171 32210 provide general habitat images of the maërl bed as described under site description.

Location	Roaringwater Bay and Islands SAC Church Bay, Baltimore Harbour
Grid Reference	104821 27093
Date	06/07/07
Depth	8m
Site description	Dense community of <i>Sabella pavonina</i> on seabed of fine mud

Species	Abundance (DAFOR)	Image Reference Number
<i>Sabella pavonina</i>	D	

Location	Valentia Harbour and Portmagee Channel SAC, close to Reencaheragh, western end of Portmagee Channel
Grid Reference	35701_72916
Date	18/9/2007
Depth	4 m
Site description	<i>Zostera marina</i> (Frequent Patchy) on sand.

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> (Linnaeus)	F	
<i>Anemonia viridis</i> (Forsk.)	O	3-35701_72916/ 6-35701_72916
<i>Arenicola marina</i> (Linnaeus)	F	5-35701_72916
<i>Anthopleura ballii</i> (Cocks)	R	
<i>Chaetopterus variopedatus</i> (Renier)	O	
<i>Marthasterias glacialis</i> (Linnaeus)	O	8-35701_72916
<i>Myxicola infundibulum</i> (Renier)	O	1-35701_72916/2-35701_72916
<i>Sagartiogetan lacerates</i> (Dalyell)	R	12-35701_72916
<i>Pagurus berhardus</i> ((Linnaeus)	F	4-35701_72916

Additional wide angle imagery 7-35701_72916 to 12-35701_72916

Location	Valentia Harbour and Portmagee Channel SAC, west of Portmagee Bridge
Grid Reference	36669 73315
Date	18/9/2007
Depth	7 m
Site description	Dense live maerl in fast flowing sea channel

Species	Abundance (DAFOR)	Image Reference Number
<i>Lithothamnion corallioides</i>	A	
<i>Phymatolithon calcareum</i>	A	
<i>Anemonia viridis</i> (Forsk.)	O	2-36669_73315
<i>Anthopleura ballii</i> (Cocks)	R	
<i>Marthasterias glacialis</i> (Linnaeus)	O	5-36669_73315
<i>Liocarcinus depurator</i> (Linnaeus)	O	4-36669_73315
<i>Sagartiogeton lacerates</i> (Dalyell)	R	
<i>Pagurus berhardus</i> (Linnaeus)	F	
<i>Pecten maximus</i> (Linnaeus)	O	6-36669_73315
<i>Sabella pavonina</i> (Savigny)	R	
<i>Cereus pendunculatus</i> (Pennant)	O	
<i>Necora puber</i> (Linnaeus)	R	
<i>Suberites ficus</i> (Linnaeus)	R	7-36669_73315
<i>Asterias rubens</i> (Linnaeus)	O	

Location	Valentia Harbour and Portmagee Channel SAC, east of Portmagee Bridge
Grid Reference	37700_73378
Date	18/9/2007
Depth	4 m
Site description	Dense live maerl in fast flowing sea channel

Species	Abundance (DAFOR)	Image Reference Number
<i>Lithothamnion corallioides</i>	A	1-37700_73378, 2-37700_73378
<i>Phymatolithon calcareum</i>	A	1-37700_73378, 2-37700_73378
<i>Anemonia viridis</i> (Forsk.)	O	10-37700_73378
<i>Anthopleura ballii</i> (Cocks)	R	
<i>Marthasterias glacialis</i> (Linnaeus)	O	3-37700_73378
<i>Myxicola infundibulum</i> (Renier)	O	
<i>Sagartiogetan lacerates</i> (Dalyell)	R	6-37700_73378
<i>Pagurus berhardus</i> (Linnaeus)	F	
<i>Pecten maximus</i> (Linnaeus)	O	7-37700_73378
<i>Sabella pavonina</i> (Savigny)	O	
<i>Chaetopterus variopedatus</i> (Renier)	R	
<i>Chorda filum</i> (Linnaeus) Stackhouse	O	
<i>Necora puber</i> (Linnaeus)	O	
<i>Suberites ficus</i> (Linnaeus)	O	4-37700_73378
<i>Asterias rubens</i> (Linnaeus)	O	

Location	Valentia Harbour and Portmagee Channel SAC, north of Gleanleam Beach
Grid Reference	40638 77414
Date	18/9/2007
Depth	6-8 m
Site description	Seagrass bed adjacent to rocky shore of Gleanleam Gardens

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i> , Patchy frequent	A	1- 40638_77414, 4- 40638_77414
<i>Anemonia viridis</i> (Forsk.)	O	
<i>Marthasterias glacialis</i> (Linnaeus)	O	4- 40638_77414
<i>Cereus pendunculatus</i> (Pennant)	R	
<i>Pagurus berhardus</i> (Linnaeus)	R	
<i>Carcinus maenas</i> (Linnaeus)	O	
<i>Haliclystus auricular</i> (Rathke)	O	3- 40638_77414
<i>Necora puber</i> (Linnaeus)	R	

Location	Valentia Harbour and Portmagee Channel SAC, north of Gleanleam Beach
Grid Reference	40638 77414
Date	18/9/2007
Depth	6-8 m
Site description	Seagrass bed adjacent to rocky shore of Gleanleam Gardens

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i>	A	3-41986_78212
<i>Anemonia viridis</i> (Forsk.)	F	
<i>Cereus pendunculatus</i> (Pennant)	R	
<i>Pagurus berhardus</i> (Linnaeus)	O	
<i>Ascidella aspersa</i>	F	5-41986_78212
<i>Carcinus maenas</i> (Linnaeus)	R	
<i>Necora puber</i> (Linnaeus)	R	
<i>Haliclystus auricular</i> (Rathke)	O	3-41986_78212

Location	Valentia Harbour and Portmagee Channel SAC, Knights town harbour
Grid Reference	42673 77478
Date	18/9/2007
Depth	2-3 m
Site description	Seagrass bed east of lifeboat slip

Species	Abundance (DAFOR)	Image Reference Number
<i>Zostera marina</i>	A	1-42673_77478
<i>Anemonia viridis</i> (Forskal)	F	11-42673_77478
<i>Anthopleura ballii</i> (Cocks)	R	10-42673_77478
<i>Marthasterias glacialis</i> (Linnaeus)	O	
<i>Cereus pendunculatus</i> (Pennant)	F	2-42673_77478
<i>Sagartiogeton lacerates</i> (Dalyell)	O	
<i>Pagurus berhardus</i> (Linnaeus)	O	
<i>Chorda filum</i> (Linnaeus) Stackhouse	F	
<i>Carcinus maenas</i> (Linnaeus)	F	6-42673_77478
<i>Ascidella aspersa</i>	F	7-42673_77478, 11-42673_77478
<i>Necora puber</i> (Linnaeus)	O	

Appendix III Summary survey data

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T1	102777	27793	102800	27824	Sand	Other	With macroalgae	Scope
IE000101 T1.1	102800	27824	102794	27840	Sand	Other	With macroalgae and kelp	Scope
IE000101 T1.2	102794	27840	102784	27854	Sand	Other		Scope
IE000101 T1.3	102784	27854	102749	27860	Sand	Other	With macroalgae	Scope
IE000101 T1.4	102749	27860	102729	27869	Sand	Other		Scope
IE000101 T1.5	102729	27869	End Point	End Point	Sand	Other		Scope
IE000101 T2	101086	30010	101431	30142	Sand	Other		Dive
IE000101 T2.1	101431	30142	End Point	End Point	Maerl Living	Maerl Living		Dive
IE000101 T3	101445	30160	101394	30253	Maerl Living	Maerl Living	80 percent live and 20 percent dead maerl	Dive
IE000101 T3.1	101394	30253	End Point	End Point	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	Maerl Occasional on mud with <i>Sabella pavonina</i> Occasional and <i>Lanice conchilega</i> Rare	Dive
IE000101 T4	101079	30019	101109	30016	Mud	Other		Dive
IE000101 T4.1	101109	30016	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	80 percent live 20 percent dead maerl with <i>Sabella pavonina</i> Rare	Dive
IE000101 T5	101224	29966	101195	30005	Mud	Other		Dive
IE000101 T5.1	101195	30005	101179	30052	Maerl Living and Dead	Maerl Living and Dead		Dive
IE000101 T5.2	101179	30052	101166	30115	Sand	Other	With <i>Ostrea edulis</i> shell	Dive
IE000101 T5.3	101166	30115	End Point	End Point	Sand	Other		Dive
IE000101 T6	101311	30209	101328	30162	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	Mud with <i>Sabella pavonina</i> Occasional and macroalgae	Dive
IE000101 T6.1	101328	30162	101391	30048	Maerl Living	Maerl Living		Dive
IE000101 T6.2	101391	30048	End Point	End Point	Mud	Other	With macroalgae	Dive
IE000101 T7	100975	29988	101003	29878	<i>Zostera marina</i> Frequent and Maerl Living and Dead	<i>Zostera marina</i> Frequent and Maerl Living and Dead	50 percent live and 50 percent dead maerl	Dive
IE000101 T7.1	101003	29878	End Point	End Point	Rock	Other		Dive
IE000101 T8	100822	29718	100821	29752	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T8.1	100821	29752	100779	29869	Sand	Other	Shelly sand	Dive
IE000101 T8.2	100779	29869	100774	29931	Maerl Living and Dead	Maerl Living and Dead	50 percent live and 50 percent dead maerl	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T8.3	100774	29931	End Point	End Point	Sand	Other	Shelly sand	Dive
IE000101 T9	100636	29627	100648	29833	Maerl Living and Dead	Maerl Living and Dead	20 percent cover of 50 percent live and 50 percent dead maerl on shelly sand	Dive
IE000101 T9.1	100648	29833	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	20 percent cover of 50 percent live and 50 percent dead maerl on shelly sand	Dive
IE000101 T10	101021	29956	100939	30019	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T10.1	100939	30019	100890	30024	<i>Zostera marina</i> Frequent and Maerl Living and Dead	<i>Zostera marina</i> Frequent and Maerl Living and Dead	50 percent live and 50 percent dead maerl	Dive
IE000101 T10.2	100890	30024	100854	30037	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T10.3	100854	30037	End Point	End Point	Rock	Other	Transect ended on rocky reef	Dive
IE000101 T11	100769	29803	100853	29779	Maerl Living and Dead	Maerl Living and Dead	20 percent cover of 50 percent live and 50 percent dead maerl	Dive
IE000101 T11.1	100853	29779	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Dive
IE000101 T12	100946	29934	101068	29980	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T12.1	101068	29980	101108	29988	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T12.2	101108	29988	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	Thin cover of 70 percent live and 30 percent dead maerl	Dive
IE000101 T13	99472	31064	99328	31504	Sand	Other		Dive
IE000101 T13.1	99328	31504	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T14	98977	31135	99035	31114	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T14.1	99035	31114	End Point	End Point	Gravel	Other		Dive
IE000101 T15	98857	30996	98895	30992	Mud	Other		Dive
IE000101 T15.1	98895	30992	98951	30978	<i>Zostera marina</i> Abundant and <i>Sabella pavonina</i> Frequent	<i>Zostera marina</i> Abundant and <i>Sabella pavonina</i> Frequent		Dive
IE000101 T15.2	98951	30978	End Point	End Point	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> Frequent	Mud with shell fragments, <i>Sabella pavonina</i> Frequent	Dive
IE000101 T16	98761	30899	98862	30861	Sand	Other		Dive
IE000101 T16.1	98862	30861	98924	30836	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T16.2	98924	30836	End Point	End Point	Gravel	Other		Dive
IE000101 T17	98657	30845	98762	30797	Sand	Other		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T17.1	98762	30797	End Point	End Point	Cobbles	Other		Dive
IE000101 T18	98945	30772	98948	30812	Sand	Other		Dive
IE000101 T18.1	98948	30812	98884	30818	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Dive
IE000101 T18.2	98884	30818	End Point	End Point	Mud	Other	<i>Sargassum muticum</i> Frequent	Dive
IE000101 T19	101511	30356	101467	30341	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Dive
IE000101 T19.1	101467	30341	101392	30389	Sand	Other		Dive
IE000101 T19.2	101392	30389	End Point	End Point	Sand	Other		Dive
IE000101 T20	101590	30404	101579	30425	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T20.1	101579	30425	End Point	End Point	Kelp	Other		Dive
IE000101 T21	101713	30568	101742	30518	Maerl Living and Dead	Maerl Living and Dead	70 percent live and 30 percent dead maerl	Dive
IE000101 T21.1	101742	30518	101749	30529	<i>Zostera marina</i> Frequent and Maerl Living and Dead	<i>Zostera marina</i> Frequent and Maerl Living and Dead	70 percent live and 30 percent dead maerl	Dive
IE000101 T21.2	101749	30529	End Point	End Point	Kelp	Other		Dive
IE000101 T22	101636	30430	101635	30455	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T22.1	101635	30455	101611	30492	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T22.2	101611	30492	101608	30498	<i>Zostera marina</i> Frequent and Maerl Living and Dead	<i>Zostera marina</i> Frequent and Maerl Living and Dead	90 percent live and 10 percent dead maerl	Dive
IE000101 T22.3	101608	30498	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	90 percent live and 10 percent dead maerl	Dive
IE000101 T23	101892	30652	101924	30582	Maerl Living and Dead	Maerl Living and Dead	90 percent live and 10 percent dead maerl	Dive
IE000101 T23.1	101924	30582	End Point	End Point	Mud	Other		Dive
IE000101 T24	102006	30750	102078	30692	Maerl Living and Dead and <i>Sabella pavonina</i> Frequent	Maerl Living and Dead <i>Sabella pavonina</i> Frequent	90 percent live and 10 percent dead maerl with <i>Sabella pavonina</i> Frequent	Dive
IE000101 T24.1	102078	30692	102095	30679	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> on mud	Dive
IE000101 T24.2	102095	30679	102105	30640	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	<i>Sargassum muticum</i> Frequent through <i>Zostera marina</i> bed	Dive
IE000101 T24.3	102105	30640	End Point	End Point	Sand	Other	<i>Sargassum muticum</i> Dense at shore	Dive
IE000101 T25	102130	30809	102210	30732	Maerl Living and Dead	Maerl Living and Dead	50 percent cover of 50 percent live and 50 percent dead maerl	Dive
IE000101 T25.1	102210	30732	102216	30731	Mud	Other		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T25.2	102216	30731	End Point	End Point	Mud	Other		Dive
IE000101 T26	102274	30898	102329	30949	Maerl Living and Dead and <i>Sabella pavonina</i> Abundant	Maerl Living and Dead and <i>Sabella pavonina</i> Abundant	90 percent live and 10 percent dead maerl with <i>Sabella pavonina</i> Abundant	Dive
IE000101 T26.1	102329	30949	102396	30962	Sand	Other		Dive
IE000101 T26.2	102396	30962	End Point	End Point	Sand	Other	With macroalgae	Dive
IE000101 T27	102405	31447	102454	31391	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> on mud with rocks and boulders	Dive
IE000101 T27.1	102454	31391	102469	31384	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Dive
IE000101 T27.2	102469	31384	End Point	End Point	Kelp	Other		Dive
IE000101 T28	102530	31593	102599	31488	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> on mud	Dive
IE000101 T28.1	102599	31488	End Point	End Point	Mud	Other		Dive
IE000101 T29	102681	31706	102747	31648	Mud	Other	A thin band of <i>Sabella pavonina</i> occurs close to shore	Dive
IE000101 T29.1	102747	31648	End Point	End Point	Cobbles	Other	With <i>Chorda filum</i> Abundant	Dive
IE000101 T30	102799	31916	102844	31846	Mud	Other	Cobbles with <i>Chorda filum</i> Abundant	Dive
IE000101 T30.1	102844	31846	End Point	End Point	Gravel	Other	Gravel with <i>Chorda filum</i> Abundant and <i>Sargassum muticum</i> Frequent at the end of this transect	Dive
IE000101 T31	102880	32113	102999	32098	Mud	Other		Dive
IE000101 T31.1	102999	32098	End Point	End Point	Mud	Other	With <i>Chorda filum</i> Abundant	Dive
IE000101 T32	103020	32309	103085	32201	Mud	Other	With filamentous algae	Dive
IE000101 T32.1	103085	32201	End Point	End Point	Mud	Other	With filamentous green algae	Dive
IE000101 T33	99782	29275	99748	29303	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T33.1	99748	29303	99727	29334	Mud	Other		Dive
IE000101 T33.2	99727	29334	End Point	End Point	Mud	Other		Dive
IE000101 T34	99895	29322	99853	29135	Sand	Other	With filamentous green algae	Dive
IE000101 T34.1	99853	29135	End Point	End Point	Sand	Other	With filamentous green algae	Dive
IE000101 T35	99595	29242	99586	29268	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T35.1	99586	29268	End Point	End Point	Sand	Other		Dive
IE000101 T36	99465	29188	99406	29222	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T36.1	99406	29222	End Point	End Point	Sand	Other		Dive
IE000101 T37	99325	29145	99272	29169	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T37.1	99272	29169	End Point	End Point	Sand	Other		Dive
IE000101 T38	99117	29062	99112	29074	Sand	Other		Dive
IE000101 T38.1	99112	29074	99119	29113	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T38.2	99119	29113	End Point	End Point	Sand	Other		Dive
IE000101 T39	98904	29038	99069	29037	Gravel	Other	With kelp	Dive
IE000101 T39.1	99069	29037	End Point	End Point	Rock	Other		Dive
IE000101 T40	98544	29027	98620	28931	Sand	Other		Dive
IE000101 T40.1	98620	28931	End Point	End Point	Rock	Other		Dive
IE000101 T41	98737	29020	98732	28984	Sand	Other		Dive
IE000101 T41.1	98732	28984	98740	28985	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	Isolated patch of <i>Zostera marina</i>	Dive
IE000101 T41.2	98740	28985	End Point	End Point	Rock	Other		Dive
IE000101 T42	98964	31047	98957	31050	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T42.1	98957	31050	End Point	End Point	Vision gone	Other	Vision through scope insufficient to view seabed	Scope
IE000101 T43	98970	31056	98991	31054	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant on gravel and broken shell	Scope
IE000101 T43.1	98991	31054	98996	31049	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T43.2	98996	31049	99009	31058	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T43.3	99009	31058	98997	31082	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T43.4	98997	31082	98989	31080	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T43.5	98989	31080	98977	31081	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T43.6	98977	31081	End Point	End Point	Vision gone	Other	Vision through scope insufficient to view seabed	Scope
IE000101 T44	96874	30895	96923	30888	Sand	Other	With macroalgae	Scope
IE000101 T44.1	96923	30888	96950	30869	Sand	Other	With macroalgae and broken shell	Scope
IE000101 T44.2	96950	30869	96979	30842	Sand	Other	With macroalgae and broken shell	Scope
IE000101 T44.3	96979	30842	97006	30820	Sand	Other	With macroalgae and broken shell	Scope
IE000101 T44.4	97006	30820	97029	30811	Sand	Other	With macroalgae and broken shell	Scope
IE000101 T44.5	97029	30811	97047	30807	Gravel	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T44.6	97047	30807	End Point	End Point	Sand	Other	With macroalgae and broken shell	Scope
IE000101 T45	97081	30800	97145	30812	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae and broken shell	Scope
IE000101 T45.1	97145	30812	End Point	End Point	Sand	Other	With macroalgae and broken shell	Scope
IE000101 T46	97275	30826	97306	30825	Sand	Other	With macroalgae	Scope
IE000101 T46.1	97306	30825	97355	30841	Sand	Other	With macroalgae	Scope
IE000101 T46.2	97355	30841	End Point	End Point	Sand	Other	With macroalgae and broken shell	Scope
IE000101 T47	95789	30412	End Point	End Point	Sand	Other	<i>Zostera marina</i> spot check, 10 m deep	Dive
IE000101 T48	94933	30354	94956	30133	Sand	Other	With broken shell and filamentous green algae	Dive
IE000101 T48.1	94956	30133	End Point	End Point	Sand	Other	<i>Zostera marina</i> spot check, 15m deep	Dive
IE000101 T49	94551	30201	End Point	End Point	Sand	Other	<i>Zostera marina</i> spot check, 16m deep	Dive
IE000101 T50	94715	29936	End Point	End Point	Sand	Other	<i>Zostera marina</i> spot check, 16.5m deep	Dive
IE000101 T51	94725	29585	End Point	End Point	Sand	Other	<i>Zostera marina</i> spot check, 18m deep	Dive
IE000101 T52	94565	29201	End Point	End Point	Rock	Other	<i>Zostera marina</i> spot check, 11m deep	Dive
IE000101 T53	94509	28937	94543	28960	Rock	Other		Scope
IE000101 T53.1	94543	28960	End Point	End Point	Rock	Other		Scope
IE000101 T54	94490	28835	94434	28876	Rock	Other		Scope
IE000101 T54.1	94434	28876	End Point	End Point	Rock	Other		Scope
IE000101 T55	93453	29220	End Point	End Point	Sand	Other	<i>Zostera marina</i> spot check, Course sand with broken shell	Dive
IE000101 T56	92486	29068	End Point	End Point	Sand	Other	With macroalgae	Dive
IE000101 T57	92448	28961	End Point	End Point	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Dive
IE000101 T58	92417	29034	End Point	End Point	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Dive
IE000101 T59	92425	29013	92426	28982	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T59.1	92426	28982	92431	28954	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T59.2	92431	28954	92436	28898	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T59.3	92436	28898	92431	28826	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T59.4	92431	28826	92447	28794	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T59.5	92447	28794	92475	28775	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T59.6	92475	28775	92511	28797	Sand	Other		Scope
IE000101 T59.7	92511	28797	92510	28855	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T59.8	92510	28855	92514	28897	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T59.9	92514	28897	92510	28927	Sand	Other	With macroalgae	Scope
IE000101 T59.10	92510	28927	92497	29018	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T59.11	92497	29018	92498	29031	Sand	Other	With macroalgae	Scope
IE000101 T59.12	92498	29031	92382	29055	Sand	Other		Scope
IE000101 T59.13	92382	29055	92386	29020	Sand	Other	With macroalgae	Scope
IE000101 T59.14	92386	29020	92383	28999	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T59.15	92383	28999	92380	28982	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T59.16	92380	28982	92369	28932	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.17	92369	28932	92371	28913	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.18	92371	28913	92367	28862	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T59.19	92367	28862	92366	28841	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T59.20	92366	28841	92358	28791	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T59.21	92358	28791	92356	28774	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With kelp	Scope
IE000101 T59.22	92356	28774	92347	28762	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T59.23	92347	28762	92341	28762	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T59.24	92341	28762	92322	28790	Rock	Other		Scope
IE000101 T59.25	92322	28790	92309	28805	Rock	Other		Scope
IE000101 T59.26	92309	28805	92322	28876	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With <i>Ulva lactuca</i>	Scope
IE000101 T59.27	92322	28876	92347	28913	Sand	Other	With macroalgae	Scope
IE000101 T59.28	92347	28913	92358	28971	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.29	92358	28971	92362	28984	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With kelp	Scope
IE000101 T59.30	92362	28984	92367	28993	Sand	Other		Scope
IE000101 T59.31	92367	28993	92401	29025	Sand	Other		Scope
IE000101 T59.32	92401	29025	92464	29024	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.33	92464	29024	92484	29014	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T59.34	92484	29014	92492	29008	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T59.35	92492	29008	92503	28988	Sand	Other	With macroalgae	Scope
IE000101 T59.36	92503	28988	92503	28964	Sand	Other	With macroalgae	Scope
IE000101 T59.37	92503	28964	92523	28924	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With macroalgae	Scope
IE000101 T59.38	92523	28924	92530	28914	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.39	92530	28914	92540	28910	Sand	Other		Scope
IE000101 T59.40	92540	28910	92653	28868	Sand	Other	With macroalgae	Scope
IE000101 T59.41	92653	28868	92706	28885	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.42	92706	28885	92719	28891	Rock	Other	With kelp	Scope
IE000101 T59.43	92719	28891	92732	28900	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.44	92732	28900	92754	28916	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.45	92754	28916	92802	28934	Sand	Other		Scope
IE000101 T59.46	92802	28934	92837	28955	Sand	Other	With kelp	Scope
IE000101 T59.47	92837	28955	92845	28962	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.48	92845	28962	92904	28973	Sand	Other	With kelp	Scope
IE000101 T59.49	92904	28973	92913	28974	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T59.50	92913	28974	92944	28985	Sand	Other	With macroalgae	Scope
IE000101 T59.51	92944	28985	92996	28995	Sand	Other		Scope
IE000101 T59.52	92996	28995	93007	28998	Sand	Other		Scope
IE000101 T59.53	93007	28998	93050	28999	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T59.54	93050	28999	93094	29033	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T59.55	93094	29033	End Point	End Point	Sand	Other		Scope
IE000101 T60	91370	29096	End Point	End Point	Sand	Other		Scope
IE000101 T61	90944	28922	90923	28924	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	With macroalgae	Scope
IE000101 T61.1	90923	28924	90911	28912	Sand	Other		Scope
IE000101 T61.2	90911	28912	90882	28914	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T61.3	90882	28914	90873	28926	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T61.4	90873	28926	End Point	End Point	Sand	Other	With macroalgae	Scope
IE000101 T62	90938	28965	90919	28963	Sand	Other	With macroalgae	Scope
IE000101 T62.1	90919	28963	90884	28949	Sand	Other	With macroalgae	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T62.2	90884	28949	90850	28943	Sand	Other	With macroalgae	Scope
IE000101 T62.3	90850	28943	90796	28935	Sand	Other	With macroalgae	Scope
IE000101 T62.4	90796	28935	90735	28935	Sand	Other	With macroalgae	Scope
IE000101 T62.5	90735	28935	End Point	End Point	Sand	Other	With macroalgae	Scope
IE000101 T63.1	89994	28149	89996	28160	Sand	Other		Dive
IE000101 T63.2	89996	28160	90084	28184	Sand	Other	<i>Zostera marina</i> spot check, 13m deep	Dive
IE000101 T63.3	90084	28184	End Point	End Point	Sand	Other		Dive
IE000101 T64	90085	28151	End Point	End Point	Sand	Other	Spot dive	Dive
IE000101 T65	90089	28126	End Point	End Point	Sand	Other	Spot dive	Dive
IE000101 T66	90072	28066	End Point	End Point	Sand	Other	Spot dive	Dive
IE000101 T67	90032	28015	End Point	End Point	Sand	Other	Spot dive	Dive
IE000101 T68	89961	27965	End Point	End Point	Sand	Other	Spot dive	Dive
IE000101 T69	88697	27494	End Point	End Point	Sand	Other	Spot dive, 12m deep	Dive
IE000101 T70	88781	27582	End Point	End Point	Sand	Other	Spot dive	Dive
IE000101 T71	86479	27265	End Point	End Point	Sand	Other	Spot dive, 25m deep and very exposed site	Dive
IE000101 T72	92249	28714	92275	28720	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With macroalgae	Scope
IE000101 T72.1	92275	28720	92300	28753	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With macroalgae	Scope
IE000101 T72.2	92300	28753	92353	28779	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T72.3	92353	28779	92374	28788	Kelp	Other		Scope
IE000101 T72.4	92374	28788	92392	28797	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With macroalgae	Scope
IE000101 T72.5	92392	28797	92454	28819	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T72.6	92454	28819	92553	28833	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T72.7	92553	28833	92624	28832	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With macroalgae	Scope
IE000101 T72.8	92624	28832	End Point	End Point	Sand	Other	With macroalgae	Scope
IE000101 T73	95910	29253	95918	29256	Sand	Other	Spot dive	Dive
IE000101 T73.1	95918	29256	End Point	End Point	Sand	Other		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T74	95927	29517	96002	29509	Sand	Other		Scope
IE000101 T74.1	96002	29509	95974	29491	Sand	Other		Scope
IE000101 T74.2	95974	29491	95922	29463	Sand	Other		Scope
IE000101 T74.3	95922	29463	95889	29441	Sand	Other		Scope
IE000101 T74.4	95889	29441	95866	29422	Sand	Other		Scope
IE000101 T74.5	95866	29422	95860	29416	Sand	Other		Scope
IE000101 T74.6	95860	29416	95842	29404	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T74.7	95842	29404	95826	29387	Sand	Other		Scope
IE000101 T74.8	95826	29387	95815	29379	Sand	Other		Scope
IE000101 T74.9	95815	29379	95802	29363	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T74.10	95802	29363	95788	29350	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T74.11	95788	29350	95782	29347	Sand	Other		Scope
IE000101 T74.12	95782	29347	95777	29344	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T74.13	95777	29344	95765	29334	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T74.14	95765	29334	95757	29312	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T74.15	95757	29312	95806	29284	Sand	Other		Scope
IE000101 T74.16	95806	29284	95855	29284	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T74.17	95855	29284	95878	29287	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T74.18	95878	29287	95926	29296	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T74.19	95926	29296	95936	29298	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T74.20	95936	29298	End Point	End Point	Sand	Other		Scope
IE000101 T75	95969	29509	95968	29497	Sand	Other	With macroalgae	Scope
IE000101 T75.1	95968	29497	95954	29481	Sand	Other		Scope
IE000101 T75.2	95954	29481	End Point	End Point	Sand	Other		Scope
IE000101 T76	95974	29562	95940	29577	Kelp	Other		Scope
IE000101 T76.1	95940	29577	95912	29520	Sand	Other	With macroalgae and <i>Chorda filum</i>	Scope
IE000101 T76.2	95912	29520	95881	29506	Kelp	Other		Scope
IE000101 T76.3	95881	29506	95862	29505	Kelp	Other		Scope
IE000101 T76.4	95862	29505	End Point	End Point	Kelp	Other		Scope
IE000101 T77	95870	29478	95921	29422	Sand	Other	With macroalgae	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T77.1	95921	29422	95932	29396	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T77.2	95932	29396	95933	29384	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T77.3	95933	29384	95930	29349	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T77.4	95930	29349	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T78	95929	29334	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	Spot dive, 9m deep	Dive
IE000101 T79	95925	29308	95919	29279	Sand	Other	With macroalgae	Dive
IE000101 T79.1	95919	29279	End Point	End Point	Sand	Other	Spot dive, sand and macroalgae	Dive
IE000101 T80	96338	29205	96349	29168	Sand	Other		Scope
IE000101 T80.1	96349	29168	96356	29152	Sand	Other	Sand, gravel and broken shell	Scope
IE000101 T80.2	96356	29152	End Point	End Point	Sand	Other	Spot dive, 13m deep	Dive
IE000101 T81	99434	30842	99453	30837	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T81.1	99453	30837	99472	30832	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With macroalgae	Scope
IE000101 T81.2	99472	30832	99493	30828	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With macroalgae	Scope
IE000101 T81.3	99493	30828	99509	30824	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T81.4	99509	30824	99518	30822	Sand	Other	With macroalgae	Scope
IE000101 T81.5	99518	30822	99532	30817	Sand	Other	With macroalgae	Scope
IE000101 T81.6	99532	30817	99555	30809	Sand	Other		Scope
IE000101 T81.7	99555	30809	99569	30805	Sand	Other	With macroalgae	Scope
IE000101 T81.8	99569	30805	End Point	End Point	Sand	Other	With macroalgae	Scope
IE000101 T82	99218	30830	99246	30804	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T82.1	99246	30804	99256	30796	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T82.2	99256	30796	99270	30792	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T82.3	99270	30792	99288	30774	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T82.4	99288	30774	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T83	99296	30766	99310	30757	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	Spot dive, 6.7m deep, <i>Zostera marina</i> Rare with macroalgae	Dive
IE000101 T83.1	99310	30757	99322	30751	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Dive
IE000101 T83.2	99322	30751	99339	30726	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With macroalgae	Dive
IE000101 T83.3	99339	30726	99362	30708	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Dive
IE000101 T83.4	99362	30708	99375	30697	Sand	Other	With macroalgae	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T83.5	99375	30697	99387	30689	Sand	Other	With macroalgae	Dive
IE000101 T83.6	99387	30689	99406	30682	Sand	Other	With macroalgae	Dive
IE000101 T83.7	99406	30682	End Point	End Point	Sand	Other	With macroalgae	Dive
IE000101 T84	99115	30523	99135	30499	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T84.1	99135	30499	99147	30483	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T84.2	99147	30483	99160	30466	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T84.3	99160	30466	99174	30448	Sand	Other	With macroalgae	Scope
IE000101 T84.4	99174	30448	99187	30433	Sand	Other	With macroalgae	Scope
IE000101 T84.5	99187	30433	End Point	End Point	Sand	Other	With macroalgae	Scope
IE000101 T85	99087	30712	99132	30701	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T85.1	99132	30701	99169	30677	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T85.2	99169	30677	99195	30650	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T85.3	99195	30650	99211	30633	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T85.4	99211	30633	99224	30618	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With macroalgae	Scope
IE000101 T85.5	99224	30618	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T86	99248	30610	99269	30603	Sand	Other	With macroalgae	Dive
IE000101 T86.1	99269	30603	99286	30597	Sand	Other	With macroalgae	Dive
IE000101 T86.2	99286	30597	End Point	End Point	Sand	Other	With macroalgae	Dive
IE000101 T87	95847	29835	96000	29892	Sand	Other		Dive
IE000101 T87.1	96000	29892	End Point	End Point	Sand	Other	Sand with anemones and <i>Myxicola infundibulum</i>	Dive
IE000101 T88	95548	29732	End Point	End Point	Sand	Other		Scope
IE000101 T89	95595	29721	95584	29750	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T89.1	95584	29750	95675	29781	Sand	Other		Dive
IE000101 T89.2	95675	29781	End Point	End Point	Sand	Other		Dive
IE000101 T90	95867	29846	End Point	End Point	Sand	Other	With macroalgae	Dive
IE000101 T91	95772	29788	95790	29797	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T91.1	95790	29797	95803	29799	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T91.2	95803	29799	95833	29808	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T91.3	95833	29808	95845	29809	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T91.4	95845	29809	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T92	95923	29826	95967	29838	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.1	95967	29838	96030	29856	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.2	96030	29856	96088	29875	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.3	96088	29875	96122	29886	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.4	96122	29886	96164	29900	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.5	96164	29900	96216	29926	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T92.6	96216	29926	96252	29968	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.7	96252	29968	96270	29964	Sand	Other	With macroalgae	Scope
IE000101 T92.8	96270	29964	96323	29969	Sand	Other	With macroalgae	Scope
IE000101 T92.9	96323	29969	96358	29972	Sand	Other	With macroalgae	Scope
IE000101 T92.10	96358	29972	96373	29976	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.11	96373	29976	96388	29980	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T92.12	96388	29980	96429	30001	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.13	96429	30001	96519	30036	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.14	96519	30036	96543	30040	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T92.15	96543	30040	96578	30044	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy on gravel	Scope
IE000101 T92.16	96578	30044	96637	30041	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy on gravel	Scope
IE000101 T92.17	96637	30041	96658	30025	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T92.18	96658	30025	96676	30015	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T92.19	96676	30015	96700	30006	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T92.20	96700	30006	96715	29999	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T92.21	96715	29999	96731	29982	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T92.22	96731	29982	96749	29971	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T92.23	96749	29971	96763	29961	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T92.24	96763	29961	96770	29962	Gravel	Other		Scope
IE000101 T92.25	96770	29962	96792	29942	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T92.26	96792	29942	End Point	End Point	Gravel	Other		Scope
IE000101 T93	96799	29936	96989	30058	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare Patchy mixed with macroalgae on coarse sand and broken shell	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T93.1	96989	30058	97017	30053	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.2	97017	30053	97047	30056	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.3	97047	30056	97070	30077	Sand	Other	With broken shell	Scope
IE000101 T93.4	97070	30077	97085	30086	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.5	97085	30086	97090	30087	Sand	Other		Scope
IE000101 T93.6	97090	30087	97114	30114	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.7	97114	30114	97133	30134	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.8	97133	30134	97151	30150	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.9	97151	30150	97197	30172	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.10	97197	30172	97216	30178	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.11	97216	30178	97231	30203	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.12	97231	30203	97252	30255	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.13	97252	30255	97273	30264	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.14	97273	30264	97304	30267	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.15	97304	30267	97355	30275	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T93.16	97355	30275	97372	30280	Sand	Other	With kelp	Scope
IE000101 T93.17	97372	30280	97390	30279	Sand	Other	With macroalgae and <i>Ulva lactuca</i>	Scope
IE000101 T93.18	97390	30279	97406	30287	Sand	Other	With macroalgae	Scope
IE000101 T93.19	97406	30287	97434	30291	Sand	Other	With macroalgae	Scope
IE000101 T93.20	97434	30291	End Point	End Point	Sand	Other	With macroalgae and <i>Ulva lactuca</i>	Scope
IE000101 T94	97440	30297	97460	30365	Sand	Other		Scope
IE000101 T94.1	97460	30365	End Point	End Point	Sand	Other		Scope
IE000101 T95	97419	30353	97365	30272	Sand	Other	With macroalgae	Scope
IE000101 T95.1	97365	30272	97350	30255	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T95.2	97350	30255	97340	30244	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T95.3	97340	30244	97327	30232	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T95.4	97327	30232	97311	30216	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000101 T95.5	97311	30216	97304	30209	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000101 T95.6	97304	30209	97282	30196	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T95.7	97282	30196	97276	30191	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T95.8	97276	30191	97267	30186	Sand	Other	With broken shell	Scope
IE000101 T95.9	97267	30186	97256	30188	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T95.10	97256	30188	97242	30196	Sand	Other		Scope
IE000101 T95.11	97242	30196	97216	30179	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T95.12	97216	30179	97187	30135	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T95.13	97187	30135	97174	30118	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T95.14	97174	30118	97146	30080	Sand	Other		Scope
IE000101 T95.15	97146	30080	97105	30011	Sand	Other	With broken shell	Scope
IE000101 T95.16	97105	30011	97080	29967	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T95.17	97080	29967	97093	29930	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With kelp	Scope
IE000101 T95.18	97093	29930	97102	29865	Kelp	Other		Scope
IE000101 T95.19	97102	29865	End Point	End Point	Kelp	Other		Scope
IE000101 T96	97008	29963	97022	29945	Gravel	Other	With macroalgae	Scope
IE000101 T96.1	97022	29945	97044	29945	Kelp	Other		Scope
IE000101 T96.2	97044	29945	97076	29953	Kelp	Other		Scope
IE000101 T96.3	97076	29953	97116	29968	Kelp	Other		Scope
IE000101 T96.4	97116	29968	97135	29978	Kelp	Other		Scope
IE000101 T96.5	97135	29978	97157	29989	Kelp	Other		Scope
IE000101 T96.6	97157	29989	End Point	End Point	Kelp	Other		Scope
IE000101 T97	96896	30379	96922	30358	Broken Shell	Other		Scope
IE000101 T97.1	96922	30358	97002	30353	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000101 T97.2	97002	30353	97113	30290	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T97.3	97113	30290	97178	30255	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T97.4	97178	30255	97219	30221	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T97.5	97219	30221	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T98	97283	30197	97312	30251	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T98.1	97312	30251	97328	30316	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T98.2	97328	30316	97357	30379	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T98.3	97357	30379	End Point	End Point	Sand	Other	Course sand with macroalgae	Scope
IE000101 T99	96636	30224	96735	30184	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T99.1	96735	30184	96783	30155	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	Course sand and broken shell	Scope
IE000101 T99.2	96783	30155	96845	30137	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T99.3	96845	30137	96882	30110	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T99.4	96882	30110	96907	30091	Sand	Other	Course sand with macroalgae	Scope
IE000101 T99.5	96907	30091	96940	30068	Sand	Other	With broken shell	Scope
IE000101 T99.6	96940	30068	96960	30061	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T99.7	96960	30061	97021	30023	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T99.8	97021	30023	End Point	End Point	Broken Shell	Other		Scope
IE000101 T100	96544	30138	96592	30123	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T100.1	96592	30123	96623	30107	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With course sand and broken shell	Scope
IE000101 T100.2	96623	30107	96676	30082	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T100.3	96676	30082	96712	30067	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T100.4	96712	30067	96738	30045	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T100.5	96738	30045	96783	29996	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T100.6	96783	29996	96806	29968	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T100.7	96806	29968	96823	29943	Kelp	Other		Scope
IE000101 T100.8	96823	29943	96836	29928	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> with kelp	Scope
IE000101 T100.9	96836	29928	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T101	96774	29891	96755	29901	Kelp	Other		Scope
IE000101 T101.1	96755	29901	96742	29902	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> with kelp	Scope
IE000101 T101.2	96742	29902	96730	29911	Kelp	Other		Scope
IE000101 T101.3	96730	29911	96692	29933	Kelp	Other		Scope
IE000101 T101.4	96692	29933	96674	29950	Sand	Other		Scope
IE000101 T101.5	96674	29950	96668	29964	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T101.6	96668	29964	96660	29985	Sand	Other		Scope
IE000101 T101.7	96660	29985	96633	30011	Sand	Other		Scope
IE000101 T101.8	96633	30011	96610	30024	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T101.9	96610	30024	96598	30031	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T101.10	96598	30031	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T102	96787	30284	96840	30270	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	With course sand and broken shell	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T102.1	96840	30270	96853	30263	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T102.2	96853	30263	96883	30249	Sand	Other		Scope
IE000101 T102.3	96883	30249	96934	30236	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T102.4	96934	30236	96981	30216	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T102.5	96981	30216	97005	30205	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T102.6	97005	30205	97049	30185	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T102.7	97049	30185	97083	30163	Sand	Other	With macroalgae	Scope
IE000101 T102.8	97083	30163	97109	30148	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T102.9	97109	30148	97134	30136	Sand	Other		Scope
IE000101 T102.10	97134	30136	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T103	96473	30053	96510	30044	Sand	Other	With macroalgae	Scope
IE000101 T103.1	96510	30044	96586	29999	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T103.2	96586	29999	96614	29930	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	Very nice healthy and continuous <i>Zostera marina</i> bed	Scope
IE000101 T103.3	96614	29930	96631	29883	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE000101 T103.4	96631	29883	96620	29860	Kelp	Other	With macroalgae	Scope
IE000101 T103.5	96620	29860	96614	29840	Kelp	Other	With macroalgae	Scope
IE000101 T103.6	96614	29840	End Point	End Point	Kelp	Other	With macroalgae	Scope
IE000101 T104	96630	30122	96639	30145	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T104.1	96639	30145	96637	30178	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T104.2	96637	30178	96707	30248	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T104.3	96707	30248	96710	30290	Sand	Other		Scope
IE000101 T104.4	96710	30290	96798	30306	Sand	Other	With macroalgae	Scope
IE000101 T104.5	96798	30306	96841	30353	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T104.6	96841	30353	96870	30379	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T104.7	96870	30379	96953	30435	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T104.8	96953	30435	End Point	End Point	Sand	Other		Scope
IE000101 T105	98567	30663	98468	30598	Sand	Other	With broken shell and macroalgae	Scope
IE000101 T105.1	98468	30598	98427	30593	Sand	Other		Scope
IE000101 T105.2	98427	30593	98378	30578	Sand	Other		Scope
IE000101 T105.3	98378	30578	98329	30550	Sand	Other	With broken shell and macroalgae	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T105.4	98329	30550	98284	30536	Sand	Other	With macroalgae Abundant	Scope
IE000101 T105.5	98284	30536	98252	30526	Sand	Other	With macroalgae and <i>Ulva lactuca</i>	Scope
IE000101 T105.6	98252	30526	98212	30515	Sand	Other	With macroalgae	Scope
IE000101 T105.7	98212	30515	98178	30503	Sand	Other	With macroalgae	Scope
IE000101 T105.8	98178	30503	98141	30503	Sand	Other	With macroalgae	Scope
IE000101 T105.9	98141	30503	98086	30492	Sand	Other	With macroalgae Abundant	Scope
IE000101 T105.10	98086	30492	98096	30497	Sand	Other	With macroalgae Abundant	Scope
IE000101 T105.11	98096	30497	98056	30503	Sand	Other		Scope
IE000101 T105.12	98056	30503	97990	30464	Sand	Other	With macroalgae and <i>Ulva lactuca</i> and <i>Chorda filum</i>	Scope
IE000101 T105.13	97990	30464	97953	30439	Sand	Other	With macroalgae and <i>Ulva lactuca</i> and <i>Chorda filum</i>	Scope
IE000101 T105.14	97953	30439	97922	30418	Sand	Other	With macroalgae	Scope
IE000101 T105.15	97922	30418	97879	30409	Sand	Other	With macroalgae	Scope
IE000101 T105.16	97879	30409	97780	30370	Sand	Other	With macroalgae	Scope
IE000101 T105.17	97780	30370	97756	30360	Sand	Other	With macroalgae	Scope
IE000101 T105.18	97756	30360	97725	30345	Sand	Other	With macroalgae	Scope
IE000101 T105.19	97725	30345	97698	30332	Sand	Other	With macroalgae	Scope
IE000101 T105.20	97698	30332	97681	30322	Sand	Other	With macroalgae	Scope
IE000101 T105.21	97681	30322	End Point	End Point	Sand	Other	With macroalgae	Scope
IE000101 T106	99048	30812	99056	30819	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare with macroalgae on shelly sand	Scope
IE000101 T106.1	99056	30819	99064	30818	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae on shelly sand	Scope
IE000101 T106.2	99064	30818	99075	30825	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T106.3	99075	30825	99096	30827	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T106.4	99096	30827	99116	30821	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T106.5	99116	30821	99129	30799	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare Patchy with macroalgae on shelly sand	Scope
IE000101 T106.6	99129	30799	99134	30784	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare with macroalgae on shelly sand	Scope
IE000101 T106.7	99134	30784	99138	30778	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T106.8	99138	30778	99147	30761	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare Patchy with macroalgae on shelly sand	Scope
IE000101 T106.9	99147	30761	99150	30755	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T106.10	99150	30755	99154	30749	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T106.11	99154	30749	99164	30728	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare Patchy with macroalgae	Scope
IE000101 T106.12	99164	30728	99197	30700	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare Patchy with macroalgae	Scope
IE000101 T106.13	99197	30700	99218	30673	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare Patchy with macroalgae	Scope
IE000101 T106.14	99218	30673	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T107	99188	31151	99226	31161	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T107.1	99226	31161	99438	31136	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Dive
IE000101 T107.2	99438	31136	End Point	End Point	Sand	Other		Dive
IE000101 T108	99523	31427	99278	31383	Sand	Other	With macroalgae	Dive
IE000101 T108.1	99278	31383	End Point	End Point	Sand	Other	With macroalgae, <i>Sargassum muticum</i> and <i>Ulva lactuca</i>	Dive
IE000101 T109	99493	31267	99469	31267	Sand	Other		Dive
IE000101 T109.1	99469	31267	99234	31200	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare with <i>Sargassum muticum</i>	Dive
IE000101 T109.2	99234	31200	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare with <i>Sargassum muticum</i>	Dive
IE000101 T110	99542	30930	99562	30934	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive
IE000101 T110.1	99562	30934	99392	31038	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive
IE000101 T111	99392	31038	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive
IE000101 T112	99120	30411	End Point	End Point	Sand	Other	With broken shell and anemones	Dive
IE000101 T113	98933	30279	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T114	96034	28508	96108	28508	Kelp	Other	Kelp on bedrock	Dive
IE000101 T114.1	96108	28508	96148	28452	Kelp	Other	Kelp on bedrock	Dive
IE000101 T114.2	96148	28452	End Point	End Point	Kelp	Other	Kelp on bedrock with <i>Cliona celata</i>	Dive
IE000101 T115	96309	28665	96168	28344	Kelp	Other	Kelp on bedrock with pockets of shelly sand	Dive
IE000101 T115.1	96168	28344	End Point	End Point	Sand	Other		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T116	98997	30240	98997	30276	Sand	Other		Dive
IE000101 T116.1	98997	30276	98963	30289	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Dive
IE000101 T116.2	98963	30289	98923	30335	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Dive
IE000101 T116.3	98923	30335	98873	30355	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Dive
IE000101 T116.4	98873	30355	End Point	End Point	Sand	Other		Dive
IE000101 T117	98869	30104	98849	30171	Sand	Other		Dive
IE000101 T117.1	98849	30171	98764	30256	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Dive
IE000101 T117.2	98764	30256	End Point	End Point	Sand	Other		Dive
IE000101 T118	98676	30022	98627	30154	Sand	Other		Dive
IE000101 T118.1	98627	30154	End Point	End Point	Sand	Other		Dive
IE000101 T119	99103	30344	99087	30382	Sand	Other		Dive
IE000101 T119.1	99087	30382	99001	30777	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Dive
IE000101 T119.2	99001	30777	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy with <i>Sargassum muticum</i>	Dive
IE000101 T120	95987	26244	95992	26339	Sand	Other	Muddy sand with cobbles and kelp	Dive
IE000101 T120.1	95992	26339	End Point	End Point	Sand	Other	Muddy sand with cobbles and kelp	Dive
IE000101 T121	96198	26560	96089	26584	Rock	Other	With kelp	Dive
IE000101 T121.1	96089	26584	End Point	End Point	Rock	Other		Dive
IE000101 T122	95873	26504	95837	26463	Rock	Other		Dive
IE000101 T122.1	95837	26463	End Point	End Point	Rock	Other		Dive
IE000101 T123	96743	27038	96767	27150	Rock	Other		Dive
IE000101 T123.1	96767	27150	End Point	End Point	Sand	Other	With <i>Pectin maximus</i>	Dive
IE000101 T124	101853	27819	101760	27882	Sand	Other	Muddy sand	Dive
IE000101 T124.1	101760	27882	End Point	End Point	Sand	Other	Muddy sand	Dive
IE000101 T125	102294	27868	101998	27889	Sand	Other	Muddy sand	Dive
IE000101 T125.1	101998	27889	101816	27982	Sand	Other		Dive
IE000101 T125.2	101816	27982	End Point	End Point	Kelp	Other		Dive
IE000101 T126	101513	28504	101513	28430	Mud	Other		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T126.1	101513	28430	End Point	End Point	Mud	Other		Dive
IE000101 T127	100701	28904	100815	28916	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> Frequent		Dive
IE000101 T127.1	100815	28916	100637	29038	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> Frequent		Dive
IE000101 T127.2	100637	29038	100669	29053	Sand	Other		Dive
IE000101 T127.3	100669	29053	End Point	End Point	Sand	Other	<i>Sabella pavonina</i> and <i>Chorda filum</i> on muddy sand	Dive
IE000101 T128	100912	27317	100924	27285	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE000101 T128.1	100924	27285	101024	27262	Sand	Other	Muddy sand	Dive
IE000101 T128.2	101024	27262	End Point	End Point	Sand	Other	With broken shell	Dive
IE000101 T129	100837	27528	100925	27519	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Dive
IE000101 T129.1	100925	27519	End Point	End Point	Sand	Other	Muddy sand	Dive
IE000101 T130	100789	27705	100935	27683	Mud	Other		Dive
IE000101 T130.1	100935	27683	End Point	End Point	Mud	Other		Dive
IE000101 T131	100910	27444	100938	27462	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Dive
IE000101 T131.1	100938	27462	End Point	End Point	Sand	Other		Dive
IE000101 T132	96046	26723	96176	26751	Sand	Other		Dive
IE000101 T132.1	96176	26751	End Point	End Point	Sand	Other		Dive
IE000101 T133	96455	27195	96419	27196	Sand	Other		Dive
IE000101 T133.1	96419	27196	End Point	End Point	Sand	Other	With broken shell	Dive
IE000101 T134	96649	27906	96639	27890	Sand	Other		Dive
IE000101 T134.1	96639	27890	End Point	End Point	Sand	Other	With broken shell and <i>Pecten maximus</i>	Dive
IE000101 T135	97137	28140	97122	28113	Sand	Other		Dive
IE000101 T135.1	97122	28113	End Point	End Point	Broken Shell	Other		Dive
IE000101 T136	97478	27706	97455	27695	Mud	Other		Dive
IE000101 T136.1	97473	27811	End Point	End Point	Mud	Other		Dive
IE000101 T137	98091	27843	98095	27838	Broken Shell	Other		Dive
IE000101 T137.1	98095	27838	End Point	End Point	Broken Shell	Other		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T138	98788	28306	98763	28318	Mud	Other		Dive
IE000101 T138.1	98763	28318	End Point	End Point	Mud	Other		Dive
IE000101 T139	99358	28458	99358	28462	Sand	Other		Dive
IE000101 T139.1	99358	28462	End Point	End Point	Sand	Other		Dive
IE000101 T140	97303	26910	97177	26868	Sand	Other		Dive
IE000101 T140.1	97177	26868	97116	26891	Sand	Other		Dive
IE000101 T140.2	97116	26891	End Point	End Point	Rock	Other	With kelp	Dive
IE000101 T141	97009	26741	97023	26753	Sand	Other		Dive
IE000101 T141.1	97023	26753	97043	26778	Sand	Other		Dive
IE000101 T141.2	97043	26778	97072	26812	Sand	Other		Dive
IE000101 T141.3	97072	26812	97093	26837	Sand	Other		Dive
IE000101 T141.4	97093	26837	End Point	End Point	Kelp	Other		Dive
IE000101 T142	99678	28341	99702	28287	Sand	Other		Scope
IE000101 T142.1	99702	28287	99725	28263	Sand	Other		Scope
IE000101 T142.2	99725	28263	99765	28231	Sand	Other		Scope
IE000101 T142.3	99765	28231	99790	28218	Sand	Other	With macroalgae and <i>Ulva lactuca</i>	Scope
IE000101 T142.4	99790	28218	99815	28217	Sand	Other		Scope
IE000101 T142.5	99815	28217	99835	28223	Sand	Other		Scope
IE000101 T142.6	99835	28223	99874	28243	Sand	Other	With macroalgae	Scope
IE000101 T142.7	99874	28243	99895	28325	Sand	Other		Scope
IE000101 T142.8	99895	28325	99868	28367	Sand	Other		Scope
IE000101 T142.9	99868	28367	99843	28381	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	Small patch of <i>Zostera marina</i> (not a bed)	Scope
IE000101 T142.10	99843	28381	99789	28410	Kelp	Other		Scope
IE000101 T142.11	99789	28410	99787	28443	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With kelp	Scope
IE000101 T142.12	99787	28443	99796	28451	Sand	Other		Scope
IE000101 T142.13	99796	28451	99809	28461	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T142.14	99809	28461	99833	28486	Sand	Other		Scope
IE000101 T142.15	99833	28486	99840	28499	Sand	Other		Scope
IE000101 T142.16	99840	28499	99854	28518	Sand	Other	With macroalgae	Scope
IE000101 T142.17	99854	28518	99873	28537	Sand	Other	With macroalgae	Scope
IE000101 T142.18	99873	28537	99907	28569	Sand	Other		Scope
IE000101 T142.19	99907	28569	99921	28578	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T142.20	99921	28578	99936	28587	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T142.21	99936	28587	99956	28598	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T142.22	99956	28598	99976	28615	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T142.23	99976	28615	100002	28640	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T142.24	100002	28640	100019	28655	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T142.25	100019	28655	100037	28672	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T142.26	100037	28672	100060	28684	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T142.27	100060	28684	100079	28718	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T142.28	100079	28718	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T143	99817	28616	99817	28666	Sand	Other		Scope
IE000101 T143.1	99817	28666	99824	28708	Sand	Other	With macroalgae	Scope
IE000101 T143.2	99824	28708	99841	28751	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T143.3	99841	28751	99863	28768	Sand	Other	With macroalgae	Scope
IE000101 T143.4	99863	28768	99897	28787	Sand	Other	With kelp	Scope
IE000101 T143.5	99897	28787	99931	28807	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T143.6	99931	28807	99966	28819	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T143.7	99966	28819	99985	28823	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With kelp on coarse sand	Scope
IE000101 T143.8	99985	28823	100008	28827	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T143.9	100008	28827	100058	28847	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T143.10	100058	28847	100090	28854	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T143.11	100090	28854	100109	28856	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T143.12	100109	28856	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T144	100231	28891	100262	28923	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T144.1	100262	28923	100278	28932	Kelp	Other		Scope
IE000101 T144.2	100278	28932	100292	28965	Sand	Other	With macroalgae	Scope
IE000101 T144.3	100292	28965	100302	28997	Sand	Other	With macroalgae	Scope
IE000101 T144.4	100302	28997	End Point	End Point	Sand	Other		Scope
IE000101 T145	98369	26347	98279	26346	Rock	Other		Dive
IE000101 T145.1	98279	26346	End Point	End Point	Rock	Other	Transect ended on a steep sided rocky reef	Dive
IE000101 T146	98779	26568	98800	26644	Rock	Other	Reef with kelp	Dive
IE000101 T146.1	98800	26644	End Point	End Point	Rock	Other		Dive
IE000101 T147	99427	26434	99487	26408	Sand	Other	18m deep, shelly sand becoming muddy sand towards end of transect	Dive
IE000101 T147.1	99487	26408	End Point	End Point	Sand	Other		Dive
IE000101 T148	99491	26772	End Point	End Point	Rock	Other	13m deep, Rocky reef	Dive
IE000101 T149	100038	26916	End Point	End Point	Sand	Other	Spot dive, compact sand	Dive
IE000101 T150	100651	26821	100656	26847	Rock	Other		Dive
IE000101 T150.1	100656	26847	End	End Point	Rock	Other	Transect ended on a rocky reef	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
			Point					
IE000101 T151	99847	27465	99896	27480	Kelp	Other		Scope
IE000101 T151.1	99896	27480	99935	27506	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T151.2	99935	27506	99986	27520	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000101 T151.3	99986	27520	100006	27518	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T151.4	100006	27518	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T152	99984	27566	99973	27562	Sand	Other		Scope
IE000101 T152.1	99973	27562	99927	27532	Kelp	Other	With macroalgae	Scope
IE000101 T152.2	99927	27532	99889	27514	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE000101 T152.3	99889	27514	99764	27448	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T152.4	99764	27448	99707	27410	Sand	Other	With macroalgae and <i>Chorda filum</i>	Scope
IE000101 T152.5	99707	27410	99673	27404	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With macroalgae	Scope
IE000101 T152.6	99673	27404	99659	27396	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T152.7	99659	27396	99650	27386	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000101 T152.8	99650	27386	99632	27366	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE000101 T152.9	99632	27366	99622	27361	Gravel	Other		Scope
IE000101 T152.10	99622	27361	End Point	End Point	Gravel	Other		Scope
IE000101 T153	99625	27262	99669	27277	Cobbles	Other	With kelp	Scope
IE000101 T153.1	99669	27277	99705	27299	Cobbles	Other	With kelp	Scope
IE000101 T153.2	99705	27299	99747	27317	Cobbles	Other	With macroalgae	Scope
IE000101 T153.3	99747	27317	99811	27362	Cobbles	Other	With macroalgae and <i>Chorda filum</i>	Scope
IE000101 T153.4	99811	27362	99865	27395	Sand	Other	With macroalgae	Scope
IE000101 T153.5	99865	27395	99898	27424	Sand	Other	Course sand	Scope
IE000101 T153.6	99898	27424	99977	27461	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T153.7	99977	27461	100006	27479	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T153.8	100006	27479	100021	27469	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T153.9	100021	27469	100047	27454	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T153.10	100047	27454	100056	27417	Rock	Other	With kelp	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T153.11	100056	27417	100072	27419	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T153.12	100072	27419	100088	27421	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T153.13	100088	27421	100101	27418	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000101 T153.14	100101	27418	100121	27411	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T153.15	100121	27411	100155	27399	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000101 T153.16	100155	27399	100188	27384	Kelp	Other		Scope
IE000101 T153.17	100188	27384	100230	27387	Kelp	Other		Scope
IE000101 T153.18	100230	27387	100266	27415	Sand	Other	With kelp	Scope
IE000101 T153.19	100266	27415	End Point	End Point	Sand	Other		Scope
IE000101 T154	101718	27112	101731	27125	Kelp	Other		Scope
IE000101 T154.1	101731	27125	101758	27131	Sand	Other		Scope
IE000101 T154.2	101758	27131	End Point	End Point	Sand	Other	With kelp	Scope
IE000101 T155	101918	27263	102001	27329	Gravel	Other	With shell	Scope
IE000101 T155.1	102001	27329	102082	27384	Kelp	Other		Scope
IE000101 T155.2	102082	27384	102104	27424	Kelp	Other		Scope
IE000101 T155.3	102104	27424	102290	27592	Broken Shell	Other	With gravel and shell	Scope
IE000101 T155.4	102290	27592	End Point	End Point	Kelp	Other		Scope
IE000101 T156	101924	27411	End Point	End Point	Kelp	Other	Spot dive, bedrock and reef	Dive
IE000101 T157	101494	26955	End Point	End Point	Kelp	Other	Spot dive, bedrock and reef	Dive
IE000101 T158	101312	26617	101396	26603	Sand	Other	Rippled sand	Dive
IE000101 T158.1	101396	26603	End Point	End Point	Kelp	Other	Reef with kelp	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T159	100681	25994	100680	26033	Kelp	Other	Reef with kelp	Dive
IE000101 T159.1	100680	26115	End Point	End Point	Sand	Other	Rippled sand and broken shell	Dive
IE000101 T160	101161	27155	End Point	End Point	Sand	Other	Spot dive, rocky outcrops	Dive
IE000101 T161	101364	27418	End Point	End Point	Sand	Other	Spot dive, shelly sand	Dive
IE000101 T162	101684	27731	End Point	End Point	Rock	Other	Spot dive, shelly sand	Dive
IE000101 T163	102714	27909	End Point	End Point	Rock	Other	Spot dive, fine sand	Dive
IE000101 T164	102472	27742	End Point	End Point	Rock	Other	Spot dive, shelly sand	Dive
IE000101 T165	103413	28653	103382	28652	Mud	Other	<i>Thyone fusus</i> Abundant Patchy	Dive
IE000101 T165.1	103334	28654	End Point	End Point	Mud	Other		Dive
IE000101 T166	102936	27231	End Point	End Point	Sand	Other	Spot dive, shelly sand	Dive
IE000101 T167	100044	26108	99861	25976	Rock	Other	Rock and kelp	Dive
IE000101 T167.1	99861	25976	End Point	End Point	Rock	Other		Dive
IE000101 T168	100411	25342	100981	25345	Rock	Other		Dive
IE000101 T168.1	100981	25345	End Point	End Point	Sand	Other		Dive
IE000101 T169	97012	27362	End Point	End Point	<i>Lanice Conchilega</i> Occasional	<i>Lanice Conchilega</i> Occasional	Spot dive	Dive
IE000101 T170	102717	25246	102697	25245	Sand	Other		Dive
IE000101 T170.1	102697	25245	102721	25239	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive
IE000101 T170.2	102721	25239	102884	25237	Sand	Other		Dive
IE000101 T170.3	102884	25237	End Point	End Point	Rock	Other		Dive
IE000101 T171	102884	25237	102704	25249	Sand	Other		Dive
IE000101 T171.1	102704	25249	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive
IE000101 T172	102749	25137	102780	25136	Rock	Other		Dive
IE000101 T172.1	102780	25136	End Point	End Point	Sand	Other		Dive
IE000101 T173	102768	25134	102786	25316	Sand	Other		Dive
IE000101 T173.1	102786	25316	End	End Point	Sand	Other	With macroalgae	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
			Point					
IE000101_T174	102909	25327	End Point	End Point	Sand	Other	With <i>Chorda filum</i>	Dive
IE000101_T175	98090	28590	97990	28587	Sand	Other		Dive
IE000101_T175.1	97990	28587	End Point	End Point	Sand	Other		Dive
IE000101_T176	98194	28902	98304	28813	Sand	Other		Dive
IE000101_T176.1	98304	28813	End Point	End Point	Sand	Other		Dive
IE000101_T177	102174	32311	102238	32246	Maerl Living and Dead	Maerl Living and Dead	Maerl (<i>Lithophyllum dentatum</i>) 90 Percent living 10 percent dead with a covering of silt	Scope
IE000101_T177.1	102238	32246	102247	32187	Maerl Living	Maerl Living	Maerl (<i>Lithophyllum dentatum</i>) 90 Percent living 10 percent dead not silted	Scope
IE000101_T177.2	102247	32187	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	Maerl (<i>Lithophyllum dentatum</i>) 90 Percent living 10 percent dead not silted	Scope
IE000101_T178	102238	32085	102132	32218	Maerl Living	Maerl Living	Maerl (<i>Lithophyllum dentatum</i>) 90 Percent living 10 percent dead not silted	Scope
IE000101_T178.1	102132	32218	102088	32291	Maerl Living and Dead	Maerl Living and Dead	Maerl (<i>Lithophyllum dentatum</i>) 40 percent cover 90 Percent living 10 percent dead	Scope
IE000101_T178.2	102088	32291	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	Maerl (<i>Lithophyllum dentatum</i>) 100 percent cover 20 percent living 80 percent dead not silted	Scope
IE000101_T179	101979	32226	102040	32167	Maerl Living and Dead	Maerl Living and Dead	Maerl (<i>Lithophyllum dentatum</i>) 90 Percent living 10 percent dead not silted	Scope
IE000101_T179.1	102040	32167	102051	32153	Maerl Living	Maerl Living		Scope
IE000101_T179.2	102051	32153	102084	32106	Maerl Living	Maerl Living	Maerl (<i>Lithophyllum dentatum</i>) 90 Percent living 10 percent dead not silted	Scope
IE000101_T179.3	102084	32106	102134	32049	Maerl Living	Maerl Living	Maerl (<i>Lithophyllum dentatum</i>) 90 Percent living 10 percent dead not silted	Scope
IE000101_T179.4	102134	32049	102205	31977	Maerl Living	Maerl Living	Maerl (<i>Lithophyllum dentatum</i>) 80 Percent living 20 percent dead with macroalgae in patches	Scope
IE000101_T179.5	102205	31977	102211	31966	Maerl Living and Dead	Maerl Living and Dead		Scope
IE000101_T179.6	102211	31966	102249	31912	Maerl Living and Dead	Maerl Living and Dead	Maerl (<i>Lithophyllum dentatum</i>) 90 Percent living 10 percent dead not silted	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101_T179.7	102249	31912	102360	31797	Maerl Dead	Maerl Dead	Maerl(<i>Lithophyllum dentatum</i>) 5 Percent living 95 percent dead with <i>Chorda filum</i> on sandy mud	Scope
IE000101_T179.8	102360	31797	End Point	End Point	Mud	Other		Scope
IE000101_T180	102235	31748	102185	31791	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	With <i>Chorda filum</i>	Scope
IE000101_T180.1	102185	31791	102061	31986	Maerl Dead	Maerl Dead	50 percent cover of 95 percent dead maerl on mud	Scope
IE000101_T180.2	102061	31986	101910	32191	Maerl Living	Maerl Living		Scope
IE000101_T180.3	101910	32191	End Point	End Point	Maerl Living	Maerl Living	90 percent cover of 90 percent living maerl	Scope
IE000101_T181	101802	32212	101851	32127	Mud	Other		Scope
IE000101_T181.1	101851	32127	101975	31915	Maerl Living	Maerl Living		Scope
IE000101_T181.2	101975	31915	102095	31770	Maerl Living and Dead	Maerl Living and Dead	70 percent cover of 70 percent living and 30 percent dead maerl with macroalgae on mud	Scope
IE000101_T181.3	102095	31770	102116	31663	Sand	Other	Sand with small fragments of <i>Lithophyllum dentatum</i> , <i>chorda filum</i> and macroalgae	Scope
IE000101_T181.4	102116	31663	End Point	End Point	Maerl Dead	Maerl Dead	Small patches of dead maerl with <i>Chorda filum</i> on mud	Scope
IE000101_T182	102035	31572	101951	31687	Mud	Other		Scope
IE000101_T182.1	101951	31687	101856	31891	Maerl Living and Dead	Maerl Living and Dead	100 percent cover of 60 percent living and 10 percent dead maerl	Scope
IE000101_T182.2	101856	31891	101783	32026	Maerl Living	Maerl Living	100 percent cover of 80 percent living and 20 percent dead maerl	Scope
IE000101_T182.3	101783	32026	101695	32145	Maerl Living and Dead	Maerl Living and Dead	80 percent cover of 80 percent living and 20 percent dead maerl	Scope
IE000101_T182.4	101695	32145	101653	32166	Maerl Dead	Maerl Dead	15 percent cover of 100 percent dead maerl on mud covered by silt	Scope
IE000101_T182.5	101653	32166	End Point	End Point	Maerl Dead	Maerl Dead	Maerl (<i>Lithophyllum dentatum</i>) 90 percent dead and 10 percent living very broken up and covered in silt	Scope
IE000101_T183	101604	31977	101708	31859	Maerl Living and Dead	Maerl Living and Dead	70 percent cover of 60 percent living and 40 percent dead maerl on mud	Scope
IE000101_T183.1	101708	31859	101839	31681	Maerl Living and Dead	Maerl Living and Dead	100 percent cover of 80 percent living and 20 percent dead maerl	Scope
IE000101_T183.2	101839	31681	101851	31660	Maerl Living and Dead	Maerl Living and Dead	100 percent cover of 80 percent living and 20 percent dead maerl with <i>Chorda filum</i>	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T183.3	101851	31660	101931	31537	Mud	Other	With <i>Chorda filum</i> and macroalgae	Scope
IE000101 T183.4	101931	31537	End Point	End Point	Mud	Other	With macroalgae	Scope
IE000101 T184	101740	31612	101697	31670	Sand	Other	Course sand with broken shell and <i>Chorda filum</i>	Scope
IE000101 T184.1	101697	31670	101613	31780	Maerl Living	Maerl Living		Scope
IE000101 T184.2	101613	31780	101502	31859	Maerl Living	Maerl Living		Scope
IE000101 T184.3	101502	31859	End Point	End Point	Mud	Other	Mud with 5 percent <i>Lithophyllum dentatum</i> dead	Scope
IE000101 T185	101406	31785	End Point	End Point	Mud	Other	Mud with 5 percent <i>Lithophyllum dentatum</i> dead	Dive
IE000101 T186	101390	31775	101547	31368	Mud	Other		Dive
IE000101 T186.1	101547	31368	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy with 1 percent <i>Lithophyllum dentatum</i> dead	Dive
IE000101 T187	101236	31572	101537	31234	Mud	Other		Dive
IE000101 T187.1	101537	31234	End Point	End Point	Mud	Other	With filamentous green algae	Dive
IE000101 T188	101129	31364	101147	31323	Mud	Other	With macroalgae	Dive
IE000101 T188.1	101147	31323	101194	31227	Maerl Living and Dead	Maerl Living and Dead	60 percent cover of 80 percent living and 20 percent dead maerl	Dive
IE000101 T188.2	101194	31227	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	60 percent cover of 80 percent living and 20 percent dead maerl	Dive
IE000101 T189	101338	31088	101397	31026	Maerl Living	Maerl Living		Dive
IE000101 T189.1	101397	31026	End Point	End Point	Maerl Living	Maerl Living		Dive
IE000101 T190	101499	30862	101390	30848	Maerl Living	Maerl Living		Dive
IE000101 T190.1	101390	30848	101515	30689	Maerl Living	Maerl Living	70 percent cover of 100 percent living maerl on mud with <i>Sabella pavonina</i> and <i>Chorda filum</i>	Dive
IE000101 T190.2	101515	30689	101638	30485	Maerl Living	Maerl Living		Dive
IE000101 T190.3	101638	30485	End Point	End Point	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Dive
IE000101 T191	101327	30540	101487	30475	Maerl Living and <i>Sabella pavonina</i> Frequent	Maerl Living and <i>Sabella pavonina</i> Frequent		Dive
IE000101 T191.1	101487	30475	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	70 percent living and 30 percent dead maerl as a thin veneer	Dive
IE000101 T192	101346	30287	101310	30372	Mud	Other		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101_T192.1	101310	30372	End Point	End Point	Mud	Other	Mud with a thin scattering of dead maerl with occasional plates of dead <i>Lithophyllum dentatum</i>	Dive
IE000101_T193	100968	30492	100856	30431	<i>Zostera marina</i> Occasional and Maerl Living	<i>Zostera marina</i> Occasional and Maerl Living Patchy		Dive
IE000101_T193.1	100856	30431	100752	30349	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive
IE000101_T193.2	100752	30349	100675	30312	Maerl Living and Dead	Maerl Living and Dead	80 percent cover of 80 percent living and 20 percent dead maerl	Dive
IE000101_T193.3	100675	30312	100465	30182	Maerl Living	Maerl Living	80 percent cover of 100 percent living maerl with macroalgae and shell	Dive
IE000101_T193.4	100465	30182	100489	30178	<i>Zostera marina</i> Frequent and Maerl Living	<i>Zostera marina</i> Frequent and Maerl Living		Dive
IE000101_T193.5	100489	30178	100452	30121	<i>Zostera marina</i> Occasional and Maerl Living	<i>Zostera marina</i> Occasional and Maerl Living		Dive
IE000101_T193.6	100452	30121	100385	30134	Maerl Dead	Maerl Dead		Dive
IE000101_T193.7	100385	30134	End Point	End Point	Sand	Other		Dive
IE000101_T194	100433	29906	100673	30042	Mud	Other		Dive
IE000101_T194.1	100673	30042	End Point	End Point	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	50 percent cover of 50 percent living and 50 percent dead maerl	Dive
IE000101_T195	100385	30134	End Point	End Point	Sand	Other		Dive
IE000101_T196	100433	29906	100673	30042	Mud	Other		Dive
IE000101_T196.1	100673	30042	End Point	End Point	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	50 percent cover of 50 percent living and 50 percent dead maerl	Dive
IE000101_T197	100270	30232	100367	30309	Sand	Other		Dive
IE000101_T197.1	100367	30309	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	95 percent living and 5 percent dead maerl	Dive
IE000101_T198	100318	30419	100516	30517	<i>Zostera marina</i> Occasional and Maerl Living and Dead	<i>Zostera marina</i> Occasional and Maerl Living and Dead	95 percent living and 5 percent dead maerl	Dive
IE000101_T198.1	100516	30517	End Point	End Point	<i>Zostera marina</i> Occasional and Maerl Living and Dead	<i>Zostera marina</i> Occasional and Maerl Living and Dead	95 percent living and 5 percent dead maerl	Dive
IE000101_T199	100082	30445	100348	30514	Maerl Dead	Maerl Dead		Dive
IE000101_T199.1	100348	30514	100430	30580	<i>Zostera marina</i> Occasional and Maerl Dead	<i>Zostera marina</i> Occasional and Maerl Dead	Maerl 100 percent dead with occasional plates of <i>Lithophyllum dentatum</i>	Dive
IE000101_T199.2	100430	30580	End	End Point	<i>Zostera marina</i> Occasional and Maerl	<i>Zostera marina</i> Occasional and Maerl	5 percent living and 95 percent dead maerl	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
			Point		Dead	Dead		
IE000101 T200	100531	30723	100542	30666	<i>Zostera marina</i> Occasional and Maerl Dead	<i>Zostera marina</i> Occasional and Maerl Dead	5 percent living and 95 percent dead maerl	Dive
IE000101 T200.1	100542	30666	100647	30502	<i>Zostera marina</i> Occasional and Maerl Dead	<i>Zostera marina</i> Occasional and Maerl Dead	10 percent living and 90 percent dead maerl	Dive
IE000101 T200.2	100647	30502	100724	30441	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	30 percent cover of 100 percent living maerl	Dive
IE000101 T200.3	100724	30441	100759	30370	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	80 percent living and 20 percent dead maerl	Dive
IE000101 T200.4	100759	30370	100828	30314	Maerl Living and Dead	Maerl Living and Dead	80 percent living and 20 percent dead maerl	Dive
IE000101 T200.5	100828	30314	End Point	End Point	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	<i>Zostera marina</i> Occasional Patchy and Maerl Living and Dead	80 percent living and 20 percent dead maerl	Dive
IE000101 T201	100724	30817	100829	30675	<i>Zostera marina</i> Occasional and Maerl Living and Dead	<i>Zostera marina</i> Occasional and Maerl Living and Dead		Dive
IE000101 T201.1	100829	30675	End Point	End Point	<i>Zostera marina</i> Occasional and Maerl Living and Dead	<i>Zostera marina</i> Occasional and Maerl Living and Dead	95 percent cover of 80 percent living and 20 percent dead maerl	Dive
IE000101 T202	100878	30982	101174	30625	<i>Zostera marina</i> Occasional and Maerl Living and Dead	<i>Zostera marina</i> Occasional and Maerl Living and Dead	80 percent living and 20 percent dead maerl	Dive
IE000101 T202.1	101174	30625	End Point	End Point	<i>Zostera marina</i> Occasional and Maerl Living	<i>Zostera marina</i> Occasional and Maerl Living	90 percent cover of 90 percent living and 10 percent dead maerl. Nice thick bed	Dive
IE000101 T203	100973	31235	101395	30777	Maerl Living and Dead	Maerl Living and Dead	80 percent cover of 80 percent living and 20 percent dead maerl	Dive
IE000101 T203.1	101395	30777	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	80 percent cover of 80 percent living and 20 percent dead maerl	Dive
IE000101 T204	102171	32210	End Point	End Point	Maerl Living	Maerl Living	<i>Lithophyllum dentatum</i> . Stills photography recorded at this position	Dive
IE000101 T205	101955	31940	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	<i>Lithophyllum dentatum</i> . Stills photography recorded at this position	Dive
IE000101 T206	102063	31575	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	Stills photography recorded at this position. 50 percent cover of 80 percent living and 20 percent dead maerl covered in filamentous green algae	Dive
IE000101 T207	101810	31853	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	<i>Lithophyllum dentatum</i> . Stills photography recorded at this position	Dive
IE000101 T208	101336	31569	End	End Point	Mud	Other	Stills photography recorded at this position	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
			Point					
IE000101_T209	101145	31160	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	80 percent cover of 80 percent living and 20 percent dead maerl. Stills photography recorded at this position	Dive
IE000101_T210	92401	29036	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	Stills photography and video recorded at this position	Dive
IE000101_T211	96237	29939	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	Stills photography and video recorded at this position	Dive
IE000101_T212	96756	30307	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	Stills photography and video recorded at this position	Dive
IE000101_T213	99096	31042	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	Stills photography and video recorded at this position	Dive
IE000101_T214	99391	29206	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	Stills photography and video recorded at this position	Dive
IE000101_T215	100927	30369	End Point	End Point	<i>Zostera marina</i> Frequent and Maerl Living and Dead	<i>Zostera marina</i> Frequent and Maerl Living and Dead	Stills photography and video recorded at this position	Dive
IE000101_T216	101576	30458	End Point	End Point	<i>Zostera marina</i> Frequent and Maerl Dead	<i>Zostera marina</i> Frequent and Maerl Dead	Stills photography and video recorded at this position	Dive
IE000101_T217	98869	31084	98900	31074	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional		Dive
IE000101_T217.1	98900	31074	98744	31114	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> Frequent	<i>Sargassum muticum</i> Frequent	Dive
IE000101_T217.2	98744	31114	End Point	End Point	<i>Zostera marina</i> Occasional Patchy and <i>Sabella pavonina</i> Abundant	<i>Zostera marina</i> Occasional Patchy and <i>Sabella pavonina</i> Abundant		Dive
IE000101_T218	98653	30960	98517	30976	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional		Dive
IE000101_T218.1	98517	30976	End Point	End Point	<i>Sabella pavonina</i> Rare	<i>Sabella pavonina</i> Rare	With occasional nodules of <i>Lithophyllum dentatum</i>	Dive
IE000101_T219	98525	30762	98704	30785	Mud	Other	Mud with <i>Cerianthus lloydii</i> , <i>Chorda filum</i> and <i>Sargassum muticum</i> Rare	Dive
IE000101_T219.1	98704	30785	End Point	End Point	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional		Dive
IE000101_T220	99133	31116	99102	31135	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive
IE000101_T220.1	99102	31135	End Point	End Point	<i>Zostera marina</i> Occasional Patchy and <i>Sabella pavonina</i> Occasional	<i>Zostera marina</i> Occasional Patchy and <i>Sabella pavonina</i> Occasional	<i>Chorda filum</i> Abundant	Dive
IE000101_T221	99098	30792	99032	30845	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Dive
IE000101_T221.1	99032	30845	End Point	End Point	<i>Zostera marina</i> Occasional Patchy and <i>Sabella pavonina</i> Occasional	<i>Zostera marina</i> Occasional Patchy and <i>Sabella pavonina</i> Occasional	With <i>Lanice conchilega</i>	Dive
IE000101_T222	99162	31224	99309	31223	<i>Zostera marina</i> Abundant Patchy and <i>Sabella pavonina</i> Occasional	<i>Zostera marina</i> Abundant Patchy and <i>Sabella pavonina</i> Occasional	With <i>Lanice conchilega</i>	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T222.1	99309	31223	End Point	End Point	<i>Zostera marina</i> Abundant Patchy and <i>Sabella pavanina</i> Frequent	<i>Zostera marina</i> Abundant Patchy and <i>Sabella pavanina</i> Frequent		Dive
IE000101 T223	100757	30380	End Point	End Point	<i>Zostera marina</i> Frequent, <i>Sabella pavanina</i> Occasional and Maerl	<i>Zostera marina</i> Frequent, <i>Sabella pavanina</i> Occasional and Maerl	Video recorded at this position	Dive
IE000101 T224	100581	30048	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	<i>Sabella pavanina</i> Rare among <i>Zostera marina</i> Video recorded at this position	Dive
IE000101 T225	100772	30707	End Point	End Point	<i>Zostera marina</i> Frequent, <i>Sabella pavanina</i> Frequent and Maerl Living	<i>Zostera marina</i> Frequent, <i>Sabella pavanina</i> Frequent and Maerl Living	Video recorded at this position	Dive
IE000101 T226	101020	31075	End Point	End Point	Maerl Living and <i>Sabella pavanina</i> Abundant	Maerl Living and <i>Sabella pavanina</i> Abundant	Video recorded at this position	Dive
IE000101 T227	101364	30879	End Point	End Point	Maerl Living and Dead and <i>Sabella pavanina</i> Frequent	Maerl Living and Dead and <i>Sabella pavanina</i> Frequent	Video recorded at this position	Dive
IE000101 T228	101765	30579	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	80 percent living and 20 percent dead maerl. Video recorded at this position	Dive
IE000101 T229	101995	32082	End Point	End Point	Maerl Living	Maerl Living	<i>Lithophyllum dentatum</i> . Video recorded at this position	Dive
IE000101 T230	102219	32202	End Point	End Point	Maerl Living	Maerl Living	<i>Lithophyllum dentatum</i> . Video recorded at this position	Dive
IE000101 T231	102207	32210	End Point	End Point	Maerl Living	Maerl Living	With <i>Sabella pavanina</i>	Dive
IE000101 T232	99690	27385	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	Video recorded at this position	Dive
IE000101 T233	100930	27322	End Point	End Point	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	Video recorded at this position	Dive
IE000101 T234	104821	27093	End Point	End Point	<i>Sabella pavanina</i> Abundant	<i>Sabella pavanina</i> Abundant	<i>Sabella pavanina</i> Abundant, very dense cover on mud. Video taken of this site.	Dive
IE000101 T235	104628	27018	104790	27074	<i>Sabella pavanina</i> Abundant	<i>Sabella pavanina</i> Abundant		Dive
IE000101 T235.1	104790	27074	104863	27113	<i>Sabella pavanina</i> Abundant	<i>Sabella pavanina</i> Abundant		Dive
IE000101 T235.2	104863	27113	End Point	End Point	Mud	Other		Dive
IE000101 T236	104885	27108	104931	27074	<i>Sabella pavanina</i> Abundant	<i>Sabella pavanina</i> Abundant		Dive
IE000101 T236.1	104931	27074	End Point	End Point	Mud	Other		Dive
IE000101 T237	104996	27124	105096	27143	<i>Sabella pavanina</i> Abundant	<i>Sabella pavanina</i> Abundant		Dive
IE000101 T237.1	105096	27143	End Point	End Point	<i>Sabella pavanina</i> Abundant	<i>Sabella pavanina</i> Abundant		Dive
IE000101 T238	99292	28704	99363	28823	Sand	Other		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000101 T238.1	99363	28823	End Point	End Point	Sand	Other		Dive
IE000101 T239	102069	32290	102145	32266	Maerl Living and Dead	Maerl Living and Dead	Video taken of this site. <i>Lithophyllum dentatum</i> beside the mussel lines	Dive
IE000101 T239.1	102145	32266	End Point	End Point	Maerl Living	Maerl Living		Dive
IE000101 T240	100286	30579	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead		Dive
IE000101 T241	101747	30717	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	Video taken of this site. Located beside mussel lines.	Dive
IE000101 T242	95503	21180	95519	21179	Sand	Other		Scope
IE000101 T242.1	95519	21179	95528	21176	Sand	Other		Scope
IE000101 T242.2	95528	21176	95560	21184	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T242.3	95560	21184	95587	21194	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T242.4	95587	21194	95597	21176	Sand	Other		Scope
IE000101 T242.5	95597	21176	95606	21163	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T242.6	95606	21163	95595	21150	Sand	Other		Scope
IE000101 T242.7	95595	21150	95518	21129	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T242.8	95518	21129	95534	21113	Sand	Other		Scope
IE000101 T242.9	95534	21113	95568	21103	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000101 T242.10	95568	21103	95581	21094	Sand	Other		Scope
IE000101 T242.11	95581	21094	95592	21123	Sand	Other		Scope
IE000101 T242.12	95592	21123	End Point	End Point	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T1	110244	27691	110255	27686	Rock	Other		Scope
IE000097 T1.1	110255	27686	110257	27655	Sand	Other		Scope
IE000097 T1.2	110257	27655	110257	27647	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T1.3	110257	27647	110258	27644	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T1.4	110258	27644	110261	27640	Sand	Other		Scope
IE000097 T1.5	110261	27640	110276	27640	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T1.6	110276	27640	End Point	End Point	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000097 T2	110281	27633	110270	27622	Sand	Other		Scope
IE000097 T2.1	110270	27622	110240	27606	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000097 T2.2	110240	27606	110207	27590	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T2.3	110207	27590	110196	27585	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000097 T2.4	110196	27585	110172	27573	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T2.5	110172	27573	110161	27567	Sand	Other		Scope
IE000097 T2.6	110161	27567	110131	27554	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE000097 T2.7	110131	27554	110110	27546	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000097 T2.8	110110	27546	110094	27542	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T2.9	110094	27542	110063	27529	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	Stills photography and video recorded at this position	Scope/Dive
IE000097 T2.10	110063	27529	End Point	End Point	Sand	Other		Scope
IE000097 T3	110057	27529	110043	27549	Sand	Other	With <i>Ulva lactuca</i>	Scope
IE000097 T3.1	110043	27549	110063	27548	Sand	Other	With macroalgae	Scope
IE000097 T3.2	110063	27548	110054	27560	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T3.3	110054	27560	110024	27582	Sand	Other		Scope
IE000097 T3.4	110024	27582	110021	27593	Sand	Other	With macroalgae	Scope
IE000097 T3.5	110021	27593	110036	27607	Gravel	Other		Scope
IE000097 T3.6	110036	27607	110053	27597	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T3.7	110053	27597	110071	27560	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T3.8	110071	27560	110076	27547	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000097 T3.9	110076	27547	110087	27525	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T3.10	110087	27525	110097	27504	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000097 T3.11	110097	27504	End Point	End Point	Sand	Other		Scope
IE000097 T4	110109	27491	110129	27500	Sand	Other		Scope
IE000097 T4.1	110129	27500	110137	27510	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T4.2	110137	27510	110128	27534	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T4.3	110128	27534	110108	27571	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T4.4	110108	27571	110087	27621	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T4.5	110087	27621	110082	27638	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	With <i>Ulva lactuca</i>	Scope
IE000097 T4.6	110082	27638	110080	27678	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000097 T4.7	110080	27678	110095	27687	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T4.8	110095	27687	110114	27695	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000097 T4.9	110114	27695	110149	27698	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T4.10	110149	27698	110198	27695	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000097 T4.11	110198	27695	110207	27677	Sand	Other	With macroalgae	Scope
IE000097 T4.12	110207	27677	110215	27655	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T4.13	110215	27655	110222	27636	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000097 T4.14	110222	27636	110230	27618	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000097 T4.15	110230	27618	110239	27598	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T4.16	110239	27598	110237	27551	Sand	Other		Scope
IE000097 T4.17	110237	27551	110225	27524	Sand	Other		Scope
IE000097 T4.18	110225	27524	110207	27506	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T4.19	110207	27506	110196	27494	Sand	Other		Scope
IE000097 T4.20	110196	27494	110178	27480	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T4.21	110178	27480	110204	27460	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T4.22	110204	27460	110239	27462	Sand	Other		Scope
IE000097 T4.23	110239	27462	End Point	End Point	Sand	Other		Scope
IE000097 T5	110216	27476	110210	27491	Sand	Other		Scope
IE000097 T5.1	110210	27491	110199	27517	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T5.2	110199	27517	110184	27628	Sand	Other		Scope
IE000097 T5.3	110184	27628	110183	27668	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T5.4	110183	27668	110178	27691	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000097 T5.5	110178	27691	110171	27728	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000097 T5.6	110171	27728	110166	27753	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T5.7	110166	27753	110159	27796	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	With macroalgae and <i>Ulva lactuca</i>	Scope
IE000097 T5.8	110159	27796	110145	27846	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T5.9	110145	27846	110129	27893	Sand	Other		Scope
IE000097 T5.10	110129	27893	110109	27951	Sand	Other	Course sand with shell	Scope
IE000097 T5.11	110109	27951	110087	28058	Sand	Other	With <i>Sargassum muticum</i>	Scope
IE000097 T5.12	110087	28058	End Point	End Point	Rock	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000097 T6	110074	28049	110063	28030	Rock	Other	With macroalgae	Scope
IE000097 T6.1	110063	28030	110060	28008	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Stills photography and video recorded at this position	Scope/Dive
IE000097 T6.2	110060	28008	110056	27987	Sand	Other	With macroalgae	Scope
IE000097 T6.3	110056	27987	110061	27974	Sand	Other	Course sand with shell	Scope
IE000097 T6.4	110061	27974	110093	27936	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T6.5	110093	27936	110110	27903	Sand	Other	Course sand with shell	Scope
IE000097 T6.6	110110	27903	110124	27856	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	With <i>Sargassum muticum</i>	Scope
IE000097 T6.7	110124	27856	110126	27841	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T6.8	110126	27841	110127	27806	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000097 T6.9	110127	27806	110113	27777	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000097 T6.10	110113	27777	110107	27758	Sand	Other	Course sand with shell	Scope
IE000097 T6.11	110107	27758	110104	27745	Rock	Other		Scope
IE000097 T6.12	110104	27745	110102	27734	Sand	Other		Scope
IE000097 T6.13	110102	27734	110099	27702	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000097 T6.14	110099	27702	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000097 T7	110100	27656	110140	27631	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T7.1	110140	27631	110159	27622	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	With <i>Ulva lactuca</i>	Scope
IE000097 T7.2	110159	27622	110198	27601	Sand	Other		Scope
IE000097 T7.3	110198	27601	110228	27582	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With <i>Ulva lactuca</i>	Scope
IE000097 T7.4	110228	27582	110219	27562	Sand	Other		Scope
IE000097 T7.5	110219	27562	110198	27543	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000097 T7.6	110198	27543	110188	27528	Sand	Other		Scope
IE000097 T7.7	110188	27528	110174	27510	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000097 T7.8	110174	27510	110159	27494	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T7.9	110159	27494	End Point	End Point	Sand	Other		Scope
IE000097 T8	110142	27510	110146	27526	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000097 T8.1	110146	27526	110154	27562	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	With <i>Ulva lactuca</i> Abundant	Scope
IE000097 T8.2	110154	27562	110160	27590	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000097 T8.3	110160	27590	110171	27637	Sand	Other		Scope
IE000097 T8.4	110171	27637	110179	27666	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000097 T8.5	110179	27666	110185	27695	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000097 T8.6	110185	27695	110193	27727	Sand	Other	With shell	Scope
IE000097 T8.7	110193	27727	110192	27758	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000097 T8.8	110192	27758	110186	27772	Sand	Other	With macroalgae	Scope
IE000097 T8.9	110186	27772	110176	27794	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T8.10	110176	27794	110153	27854	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Patchy on shelly sand	Scope
IE000097 T8.11	110153	27854	110158	27862	Sand	Other		Scope
IE000097 T8.12	110158	27862	110158	27877	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T8.13	110158	27877	110154	27893	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000097 T8.14	110154	27893	110147	27926	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000097 T8.15	110147	27926	110134	27969	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	With <i>Sargassum muticum</i>	Scope
IE000097 T8.16	110134	27969	110131	27979	Sand	Other		Scope
IE000097 T8.17	110131	27979	110123	27996	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000097 T8.18	110123	27996	110097	28052	Sand	Other		Scope
IE000097 T8.19	110097	28052	End Point	End Point	Rock	Other		Scope
IE000097 T9	110435	27711	110404	27696	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T9.1	110404	27696	110394	27693	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000097 T9.2	110394	27693	110351	27713	Sand	Other	With <i>Sargassum muticum</i>	Scope
IE000097 T9.3	110351	27713	110365	27739	Sand	Other		Scope
IE000097 T9.4	110365	27739	110401	27750	Sand	Other		Scope
IE000097 T9.5	110401	27750	110415	27757	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000097 T9.6	110415	27757	110459	27798	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T9.7	110459	27798	110474	27810	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T9.8	110474	27810	110486	27819	Sand	Other		Scope
IE000097 T9.9	110486	27819	110522	27834	Sand	Other		Scope
IE000097 T9.10	110522	27834	110586	27851	Sand	Other		Scope
IE000097 T9.11	110586	27851	110646	27877	Sand	Other		Scope
IE000097 T9.12	110646	27877	110680	27898	Sand	Other		Scope
IE000097 T9.13	110680	27898	110724	27923	Sand	Other		Scope
IE000097 T9.14	110724	27923	110757	27959	Sand	Other		Scope
IE000097 T9.15	110757	27959	110768	27948	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000097 T9.16	110768	27948	110765	27904	Sand	Other		Scope
IE000097 T9.17	110765	27904	110760	27879	Gravel	Other		Scope
IE000097 T9.18	110760	27879	110759	27862	Sand	Other		Scope
IE000097 T9.19	110759	27862	110773	27835	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000097 T9.20	110773	27835	110784	27829	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000097 T9.21	110784	27829	110802	27842	Sand	Other		Scope
IE000097 T9.22	110802	27842	110786	27848	Sand	Other		Scope
IE000097 T9.23	110786	27848	110761	27828	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000097 T9.24	110761	27828	110752	27815	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000097 T9.25	110752	27815	110739	27803	Sand	Other		Scope
IE000097 T9.26	110739	27803	110723	27789	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T9.27	110723	27789	110678	27760	Sand	Other		Scope
IE000097 T9.28	110678	27760	End Point	End Point	Sand	Other		Scope
IE000097 T10	110650	27787	110688	27814	Sand	Other		Scope
IE000097 T10.1	110688	27814	110718	27843	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T10.2	110718	27843	110757	27889	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000097 T10.3	110757	27889	110742	27912	Sand	Other		Scope
IE000097 T10.4	110742	27912	110727	27900	Sand	Other		Scope
IE000097 T10.5	110727	27900	110678	27872	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000097 T10.6	110678	27872	110639	27819	Sand	Other		Scope
IE000097 T10.7	110639	27819	110588	27768	Sand	Other		Scope
IE000097 T10.8	110588	27768	110508	27697	Sand	Other		Scope
IE000097 T10.9	110508	27697	End Point	End Point	Sand	Other	With macroalgae	Scope
IE000097 T11	111391	27893	111349	27908	Sand	Other		Scope
IE000097 T11.1	111349	27908	111330	27933	Sand	Other		Scope
IE000097 T11.2	111330	27933	111283	27932	Sand	Other	With gravel, macroalgae and <i>Chorda filum</i>	Scope
IE000097 T11.3	111283	27932	End Point	End Point	Gravel	Other	With gravel, macroalgae and <i>Chorda filum</i>	Scope
IE000097 T12	111285	27961	111315	27909	Gravel	Other		Scope
IE000097 T12.1	111315	27909	111333	27893	Sand	Other	Shelly sand	Scope
IE000097 T12.2	111333	27893	111322	27863	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000097 T12.3	111322	27863	111423	27881	Sand	Other		Scope
IE000097 T12.4	111423	27881	111480	27945	Sand	Other		Scope
IE000097 T12.5	111480	27945	End Point	End Point	Gravel	Other		Scope
IE000097 T13	109917	28160	109844	28136	Mud	Other		Scope
IE000097 T13.1	109844	28136	109838	28132	Mud	Other		Scope
IE000097 T13.2	109838	28132	109862	28129	Mud	Other		Scope
IE000097 T13.3	109862	28129	109886	28128	Mud	Other		Scope
IE000097 T13.4	109886	28128	109904	28139	Mud	Other		Scope
IE000097 T13.5	109904	28139	109912	28147	Mud	Other		Scope
IE000097 T13.6	109912	28147	109926	28158	Mud	Other	With cobble and macroalgae	Scope
IE000097 T13.7	109926	28158	109933	28165	Mud	Other		Scope
IE000097 T13.8	109933	28165	109946	28171	Mud	Other		Scope
IE000097 T13.9	109946	28171	109961	28176	Mud	Other	With filamentous green algae	Scope
IE000097 T13.10	109961	28176	109977	28185	Cobbles	Other	With boulders	Scope
IE000097 T13.11	109977	28185	End Point	End Point	Cobbles	Other		Scope
IE000097 T14	109746	28103	109869	28146	Mud	Other	With boulders	Dive
IE000097 T14.1	109869	28146	109915	28163	Mud	Other	With boulders	Dive
IE000097 T14.2	109915	28163	109950	28184	Mud	Other		Dive
IE000097 T14.3	109950	28184	End Point	End Point	Mud	Other	With boulders	Dive
IE000097 T15	109577	27944	109604	27908	Broken Shell	Other	With stones	Dive
IE000097 T15.1	109604	27908	109621	27863	Mud	Other	With broken shell	Dive
IE000097 T15.2	109621	27863	End Point	End Point	Mud	Other	With broken <i>Ostrea edulis</i> shell and <i>Anemonia viridis</i>	Dive
IE000097 T16	109814	28404	109841	28398	Mud	Other	With broken shell	Scope
IE000097 T16.1	109841	28398	109875	28413	Mud	Other		Scope
IE000097 T16.2	109875	28413	109889	28442	Mud	Other		Scope
IE000097 T16.3	109889	28442	109886	28461	Mud	Other		Scope
IE000097 T16.4	109886	28461	109885	28500	Mud	Other	With broken shell and cobbles	Scope
IE000097 T16.5	109885	28500	109836	28521	Mud	Other	With stones and <i>Anemonia viridis</i>	Scope
IE000097 T16.6	109836	28521	109810	28525	Mud	Other		Scope
IE000097 T16.7	109810	28525	109772	28516	Mud	Other	With stones	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000097 T16.8	109772	28516	109731	28509	Mud	Other	With stones and filamentous green algae	Scope
IE000097 T16.9	109731	28509	109696	28483	Mud	Other	With stones	Scope
IE000097 T16.10	109696	28483	109673	28455	Mud	Other		Scope
IE000097 T16.11	109673	28455	109686	28426	Mud	Other	With stones and broken shell	Scope
IE000097 T16.12	109686	28426	109631	28401	Mud	Other	With stones, shell and filamentous green algae	Scope
IE000097 T16.13	109631	28401	End Point	End Point	Mud	Other	With stones and filamentous green algae	Scope
IE000097 T17	109683	28317	109744	28317	Mud	Other		Scope
IE000097 T17.1	109744	28317	109772	28325	Mud	Other		Scope
IE000097 T17.2	109772	28325	End Point	End Point	Mud	Other	With shell and filamentous green algae	Scope
IE000472 T1	81271	339551	81195	339557	Sand	Other		Scope
IE000472 T1.1	81195	339557	81148	339600	Sand	Other		Scope
IE000472 T1.2	81148	339600	81078	339635	Sand	Other	With macroalgae and <i>Chorda filum</i>	Scope
IE000472 T1.3	81078	339635	81009	339685	Sand	Other		Scope
IE000472 T1.4	81009	339685	80931	339709	Sand	Other		Scope
IE000472 T1.5	80931	339709	80847	339765	Sand	Other		Scope
IE000472 T1.6	80847	339765	80782	339850	Sand	Other		Scope
IE000472 T1.7	80782	339850	80778	339931	Sand	Other		Scope
IE000472 T1.8	80778	339931	80770	340018	Sand	Other		Scope
IE000472 T1.9	80770	340018	80702	340166	Sand	Other		Scope
IE000472 T1.10	80702	340166	80562	340184	Sand	Other		Scope
IE000472 T1.11	80562	340184	80614	340241	Sand	Other		Scope
IE000472 T1.12	80614	340241	80533	340333	Sand	Other	With cobbles	Scope
IE000472 T1.13	80533	340333	80160	340256	Sand	Other		Scope
IE000472 T1.14	80160	340256	80131	340183	Sand	Other		Scope
IE000472 T1.15	80131	340183	End Point	End Point	Sand	Other	With kelp	Scope
IE000472 T2	80128	340328	80120	340410	Sand	Other		Scope
IE000472 T2.1	80120	340410	80124	340451	Sand	Other		Scope
IE000472 T2.2	80124	340451	80135	340526	Sand	Other		Scope
IE000472 T2.3	80135	340526	80177	340579	Sand	Other		Scope
IE000472 T2.4	80177	340579	80255	340588	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T2.5	80255	340588	80346	340563	Sand	Other		Scope
IE000472 T2.6	80346	340563	80472	340517	Sand	Other		Scope
IE000472 T2.7	80472	340517	80603	340435	Sand	Other		Scope
IE000472 T2.8	80603	340435	80647	340410	Sand	Other		Scope
IE000472 T2.9	80647	340410	80681	340333	Sand	Other	With <i>Ulva lactuca</i>	Scope
IE000472 T2.10	80681	340333	80691	340245	Sand	Other	With cobbles	Scope
IE000472 T2.11	80691	340245	80645	340151	Sand	Other	With cobbles and <i>Chorda filum</i>	Scope
IE000472 T2.12	80645	340151	80693	340085	Sand	Other	With cobbles	Scope
IE000472 T2.13	80693	340085	80826	339893	Sand	Other		Scope
IE000472 T2.14	80826	339893	80842	339770	Sand	Other		Scope
IE000472 T2.15	80842	339770	80858	339651	Sand	Other		Scope
IE000472 T2.16	80858	339651	80950	339574	Sand	Other		Scope
IE000472 T2.17	80950	339574	81086	339525	Sand	Other		Scope
IE000472 T2.18	81086	339525	81255	339485	Sand	Other		Scope
IE000472 T2.19	81255	339485	81319	339507	Sand	Other		Scope
IE000472 T2.20	81319	339507	81354	339529	Sand	Other		Scope
IE000472 T2.21	81354	339529	81438	339485	Sand	Other		Scope
IE000472 T2.22	81438	339485	81443	339486	Sand	Other		Scope
IE000472 T2.23	81443	339486	End Point	End Point	Sand	Other		Scope
IE000472 T3	75164	336724	75180	336753	Sand	Other		Scope
IE000472 T3.1	75180	336753	75144	336763	Sand	Other		Scope
IE000472 T3.2	75144	336763	75118	336772	Sand	Other		Scope
IE000472 T3.3	75118	336772	75067	336774	Sand	Other		Scope
IE000472 T3.4	75067	336774	75159	336726	Sand	Other		Scope
IE000472 T3.5	75159	336726	75209	336716	<i>Lanice Conchilega</i> Occasional	<i>Lanice Conchilega</i> Occasional		Scope
IE000472 T3.6	75209	336716	75290	336684	Sand	Other		Scope
IE000472 T3.7	75290	336684	75342	336672	Sand	Other		Scope
IE000472 T3.8	75342	336672	75344	336697	Rock	Other		Scope
IE000472 T3.9	75344	336697	75320	336766	Sand	Other		Scope
IE000472 T3.10	75320	336766	75254	336789	Sand	Other		Scope
IE000472 T3.11	75254	336789	End	End Point	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
			Point					
IE000472 T4	76970	336556	76953	336525	Rock	Other		Scope
IE000472 T4.1	76953	336525	76970	336499	Rock	Other		Scope
IE000472 T4.2	76970	336499	76949	336484	Rock	Other		Scope
IE000472 T4.3	76949	336484	76905	336480	Rock	Other		Scope
IE000472 T4.4	76905	336480	76891	336484	Sand	Other		Scope
IE000472 T4.5	76891	336484	76880	336470	Rock	Other		Scope
IE000472 T4.6	76880	336470	76902	336456	Sand	Other		Scope
IE000472 T4.7	76902	336456	76918	336447	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.8	76918	336447	76937	336434	Sand	Other		Scope
IE000472 T4.9	76937	336434	76931	336424	Sand	Other		Scope
IE000472 T4.10	76931	336424	76907	336429	Sand	Other		Scope
IE000472 T4.11	76907	336429	76890	336432	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.12	76890	336432	76881	336435	Sand	Other		Scope
IE000472 T4.13	76881	336435	76865	336434	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.14	76865	336434	76857	336425	Sand	Other		Scope
IE000472 T4.15	76857	336425	76859	336418	Rock	Other		Scope
IE000472 T4.16	76859	336418	76871	336404	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.17	76871	336404	76894	336386	Sand	Other		Scope
IE000472 T4.18	76894	336386	76911	336373	Sand	Other		Scope
IE000472 T4.19	76911	336373	76873	336367	Sand	Other		Scope
IE000472 T4.20	76873	336367	76849	336374	Sand	Other		Scope
IE000472 T4.21	76849	336374	76830	336379	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.22	76830	336379	76804	336378	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T4.23	76804	336378	76800	336355	Sand	Other		Scope
IE000472 T4.24	76800	336355	76826	336332	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.25	76826	336332	76842	336322	Sand	Other		Scope
IE000472 T4.26	76842	336322	76844	336296	Sand	Other		Scope
IE000472 T4.27	76844	336296	76796	336304	Sand	Other		Scope
IE000472 T4.28	76796	336304	76780	336304	Sand	Other		Scope
IE000472 T4.29	76780	336304	76763	336303	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T4.30	76763	336303	76760	336272	Sand	Other		Scope
IE000472 T4.31	76760	336272	76798	336246	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.32	76798	336246	76817	336233	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.33	76817	336233	76827	336228	Sand	Other		Scope
IE000472 T4.34	76827	336228	76807	336191	Sand	Other		Scope
IE000472 T4.35	76807	336191	76753	336223	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T4.36	76753	336223	76742	336228	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T4.37	76742	336228	76725	336190	Rock	Other		Scope
IE000472 T4.38	76725	336190	76773	336176	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.39	76773	336176	76783	336170	Sand	Other		Scope
IE000472 T4.40	76783	336170	76829	336149	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.41	76829	336149	76859	336148	Sand	Other		Scope
IE000472 T4.42	76859	336148	76848	336116	Sand	Other		Scope
IE000472 T4.43	76848	336116	76793	336153	Sand	Other		Scope
IE000472 T4.44	76793	336153	76752	336170	Sand	Other		Scope
IE000472 T4.45	76752	336170	76722	336177	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.46	76722	336177	76709	336179	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.47	76709	336179	76692	336181	Rock	Other		Scope
IE000472 T4.48	76692	336181	76685	336178	Rock	Other		Scope
IE000472 T4.49	76685	336178	76678	336172	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.50	76678	336172	76676	336165	Rock	Other		Scope
IE000472 T4.51	76676	336165	76667	336148	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.52	76667	336148	76660	336134	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.53	76660	336134	76684	336119	Sand	Other		Scope
IE000472 T4.54	76684	336119	76711	336109	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T4.55	76711	336109	76782	336080	Sand	Other		Scope
IE000472 T4.56	76782	336080	76797	336071	Sand	Other		Scope
IE000472 T4.57	76797	336071	76795	336041	Sand	Other		Scope
IE000472 T4.58	76795	336041	76755	336037	Sand	Other		Scope
IE000472 T4.59	76755	336037	76697	336045	Sand	Other		Scope
IE000472 T4.60	76697	336045	76674	336048	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T4.61	76674	336048	76631	336055	Kelp	Other		Scope
IE000472 T4.62	76631	336055	76612	336055	Sand	Other		Scope
IE000472 T4.63	76612	336055	76589	336053	Kelp	Other		Scope
IE000472 T4.64	76589	336053	76576	336020	Kelp	Other		Scope
IE000472 T4.65	76576	336020	76608	335996	Sand	Other		Scope
IE000472 T4.66	76608	335996	76621	335994	Sand	Other		Scope
IE000472 T4.67	76621	335994	76652	335990	Kelp	Other		Scope
IE000472 T4.68	76652	335990	76681	335991	Kelp	Other		Scope
IE000472 T4.69	76681	335991	76754	335989	Sand	Other		Scope
IE000472 T4.70	76754	335989	76768	335970	Sand	Other		Scope
IE000472 T4.71	76768	335970	76716	335921	Sand	Other		Scope
IE000472 T4.72	76716	335921	76662	335887	Sand	Other		Scope
IE000472 T4.73	76662	335887	76649	335873	Sand	Other		Scope
IE000472 T4.74	76649	335873	76689	335839	Sand	Other		Scope
IE000472 T4.75	76689	335839	76752	335818	Sand	Other		Scope
IE000472 T4.76	76752	335818	76796	335814	Sand	Other		Scope
IE000472 T4.77	76796	335814	76817	335814	Sand	Other		Scope
IE000472 T4.78	76817	335814	76841	335774	Sand	Other		Scope
IE000472 T4.79	76841	335774	76805	335734	Sand	Other		Scope
IE000472 T4.80	76805	335734	76784	335725	Sand	Other		Scope
IE000472 T4.81	76784	335725	76769	335708	Sand	Other		Scope
IE000472 T4.82	76769	335708	76782	335693	Sand	Other		Scope
IE000472 T4.83	76782	335693	76800	335689	Kelp	Other		Scope
IE000472 T4.84	76800	335689	76824	335684	Kelp	Other		Scope
IE000472 T4.85	76824	335684	76866	335673	Kelp	Other		Scope
IE000472 T4.86	76866	335673	76899	335680	Kelp	Other		Scope
IE000472 T4.87	76899	335680	End Point	End Point	Kelp	Other		Scope
IE000472 T5	76767	335429	76713	335402	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.1	76713	335402	76671	335343	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.2	76671	335343	76643	335304	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.3	76643	335304	76587	335241	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T5.4	76587	335241	76548	335159	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.5	76548	335159	76533	335132	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.6	76533	335132	76522	335116	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T5.7	76522	335116	76499	335111	Sand	Other		Scope
IE000472 T5.8	76499	335111	76510	335162	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With <i>Chorda filum</i> <i>Zostera marina</i> continued to shore	Scope
IE000472 T5.9	76510	335162	76520	335188	Sand	Other		Scope
IE000472 T5.10	76520	335188	76524	335221	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T5.11	76524	335221	76530	335241	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T5.12	76530	335241	76553	335276	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T5.13	76553	335276	76562	335288	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T5.14	76562	335288	76577	335309	Kelp	Other		Scope
IE000472 T5.15	76577	335309	76617	335357	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T5.16	76617	335357	76652	335395	Kelp	Other		Scope
IE000472 T5.17	76652	335395	76675	335422	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T5.18	76675	335422	76705	335459	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T5.19	76705	335459	76725	335447	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.20	76725	335447	76761	335405	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.21	76761	335405	76722	335336	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.22	76722	335336	76701	335307	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.23	76701	335307	76657	335249	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.24	76657	335249	76624	335213	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.25	76624	335213	76597	335139	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	Nice dense and healthy continuous bed	Scope
IE000472 T5.26	76597	335139	76589	335103	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.27	76589	335103	76585	335085	Sand	Other		Scope
IE000472 T5.28	76585	335085	76579	335062	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.29	76579	335062	76570	335030	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T5.30	76570	335030	76548	334981	Kelp	Other		Scope
IE000472 T5.31	76548	334981	End Point	End Point	Kelp	Other		Scope
IE000472 T6	76561	334957	76620	334961	Sand	Other		Scope
IE000472 T6.1	76620	334961	76628	334976	Sand	Other		Scope
IE000472 T6.2	76628	334976	76657	335045	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T6.3	76657	335045	76663	335093	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T6.4	76663	335093	76664	335107	Sand	Other		Scope
IE000472 T6.5	76664	335107	76675	335192	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T6.6	76675	335192	76717	335270	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T6.7	76717	335270	76783	335337	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T6.8	76783	335337	76837	335384	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T6.9	76837	335384	76859	335367	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T6.10	76859	335367	End Point	End Point	Vision gone	Vision gone		Scope
IE000472 T7	76810	335255	76796	335236	Sand	Other		Scope
IE000472 T7.1	76796	335236	76783	335215	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T7.2	76783	335215	76770	335190	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T7.3	76770	335190	76759	335164	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T7.4	76759	335164	76747	335131	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	Nice dense and healthy continuous bed with patches of sand	Scope
IE000472 T7.5	76747	335131	76731	335089	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	Nice dense and healthy continuous bed	Scope
IE000472 T7.6	76731	335089	76722	335061	Sand	Other		Scope
IE000472 T7.7	76722	335061	76713	335033	Sand	Other		Scope
IE000472 T7.8	76713	335033	76705	335003	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T7.9	76705	335003	76694	334970	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed with patches of sand	Scope
IE000472 T7.10	76694	334970	76680	334938	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T7.11	76680	334938	76675	334913	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	Nice dense and healthy continuous bed	Scope
IE000472 T7.12	76675	334913	76665	334881	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T7.13	76665	334881	76673	334853	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T7.14	76673	334853	76657	334848	Sand	Other		Scope
IE000472 T7.15	76657	334848	76639	334829	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T7.16	76639	334829	76617	334803	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T7.17	76617	334803	76594	334784	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T7.18	76594	334784	76580	334765	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T7.19	76580	334765	76570	334731	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T7.20	76570	334731	76558	334682	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T7.21	76558	334682	76530	334609	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T7.22	76530	334609	76516	334577	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T7.23	76516	334577	76498	334531	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T7.24	76498	334531	76488	334496	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T7.25	76488	334496	76482	334449	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE000472 T7.26	76482	334449	76470	334401	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE000472 T7.27	76470	334401	76460	334375	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T7.28	76460	334375	76430	334427	Sand	Other		Scope
IE000472 T7.29	76430	334427	76421	334474	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T7.30	76421	334474	76427	334523	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T7.31	76427	334523	76432	334555	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T7.32	76432	334555	76432	334596	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With macroalgae	Scope
IE000472 T7.33	76432	334596	76446	334634	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T7.34	76446	334634	76458	334674	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T7.35	76458	334674	76475	334715	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T7.36	76475	334715	76483	334730	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T7.37	76483	334730	76506	334773	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T7.38	76506	334773	76515	334795	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T7.39	76515	334795	76555	334809	Rock	Other		Scope
IE000472 T7.40	76555	334809	76584	334816	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T7.41	76584	334816	76620	334832	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	With Kelp	Scope
IE000472 T7.42	76620	334832	76703	334944	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T7.43	76703	334944	76723	334978	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T7.44	76723	334978	76736	335003	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	Nice dense and healthy continuous bed	Scope
IE000472 T7.45	76736	335003	76746	335027	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T7.46	76746	335027	76766	335057	Sand	Other		Scope
IE000472 T7.47	76766	335057	76778	335087	Sand	Other		Scope
IE000472 T7.48	76778	335087	76791	335118	Sand	Other		Scope
IE000472 T7.49	76791	335118	76827	335184	Sand	Other		Scope
IE000472 T7.50	76827	335184	76830	335215	Sand	Other		Scope
IE000472 T7.51	76830	335215	End Point	End Point	Sand	Other		Scope
IE000472 T8	76208	333748	76232	333786	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T8.1	76232	333786	76249	333824	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T8.2	76249	333824	76268	333861	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T8.3	76268	333861	76286	333866	Sand	Other		Scope
IE000472 T8.4	76286	333866	76269	333838	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T8.5	76269	333838	76246	333818	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T8.6	76246	333818	76229	333786	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T8.7	76229	333786	76232	333774	Sand	Other		Scope
IE000472 T8.8	76232	333774	76259	333753	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T8.9	76259	333753	76287	333733	Sand	Other		Scope
IE000472 T8.10	76287	333733	End Point	End Point	Sand	Other		Scope
IE000472 T9	76322	333825	76299	333832	Sand	Other		Scope
IE000472 T9.1	76299	333832	76223	333864	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice dense and healthy continuous bed	Scope
IE000472 T9.2	76223	333864	76205	333873	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T9.3	76205	333873	76130	333908	Sand	Other		Scope
IE000472 T9.4	76130	333908	76133	333876	Sand	Other		Scope
IE000472 T9.5	76133	333876	76146	333829	Sand	Other		Scope
IE000472 T9.6	76146	333829	76158	333815	Sand	Other	With macroalgae	Scope
IE000472 T9.7	76158	333815	76182	333791	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T9.8	76182	333791	76216	333748	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T9.9	76216	333748	76235	333717	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T9.10	76235	333717	End Point	End Point	Sand	Other		Scope
IE000472 T10	76289	333874	76280	333865	Sand	Other		Scope
IE000472 T10.1	76280	333865	76251	333842	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T10.2	76251	333842	76161	333771	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T10.3	76161	333771	76116	333727	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T10.4	76116	333727	76075	333687	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T10.5	76075	333687	76018	333642	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T10.6	76018	333642	76003	333635	Sand	Other	With cobble	Scope
IE000472 T10.7	76003	333635	75941	333608	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T10.8	75941	333608	75876	333563	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T10.9	75876	333563	75790	333489	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T10.10	75790	333489	75761	333458	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T10.11	75761	333458	75694	333399	Sand	Other		Scope
IE000472 T10.12	75694	333399	75524	333250	Sand	Other		Scope
IE000472 T10.13	75524	333250	75433	333164	Sand	Other		Scope
IE000472 T10.14	75433	333164	75354	333062	Sand	Other		Scope
IE000472 T10.15	75354	333062	75276	332990	Sand	Other		Scope
IE000472 T10.16	75276	332990	75228	332968	Sand	Other	With macroalgae	Scope
IE000472 T10.17	75228	332968	75165	332936	Sand	Other		Scope
IE000472 T10.18	75165	332936	75141	332949	Sand	Other		Scope
IE000472 T10.19	75141	332949	75112	332983	Sand	Other	With macroalgae	Scope
IE000472 T10.20	75112	332983	75166	333083	Sand	Other		Scope
IE000472 T10.21	75166	333083	75223	333168	Sand	Other		Scope
IE000472 T10.22	75223	333168	75283	333241	Sand	Other		Scope
IE000472 T10.23	75283	333241	75343	333316	Sand	Other		Scope
IE000472 T10.24	75343	333316	75416	333407	Sand	Other		Scope
IE000472 T10.25	75416	333407	75528	333501	Sand	Other		Scope
IE000472 T10.26	75528	333501	75586	333567	Sand	Other		Scope
IE000472 T10.27	75586	333567	75666	333661	Sand	Other		Scope
IE000472 T10.28	75666	333661	75713	333710	Sand	Other		Scope
IE000472 T10.29	75713	333710	75785	333777	Sand	Other		Scope
IE000472 T10.30	75785	333777	75843	333841	Sand	Other		Scope
IE000472 T10.31	75843	333841	75967	333739	Sand	Other		Scope
IE000472 T10.32	75967	333739	76011	333687	Sand	Other		Scope
IE000472 T10.33	76011	333687	76038	333646	Sand	Other		Scope
IE000472 T10.34	76038	333646	76087	333569	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T10.35	76087	333569	76147	333591	Sand	Other		Scope
IE000472 T10.36	76147	333591	76137	333602	Sand	Other		Scope
IE000472 T10.37	76137	333602	76118	333630	Sand	Other		Scope
IE000472 T10.38	76118	333630	76098	333706	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T10.39	76098	333706	76081	333751	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T10.40	76081	333751	76078	333761	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T10.41	76078	333761	76079	333823	Sand	Other		Scope
IE000472 T10.42	76079	333823	76123	333807	Sand	Other		Scope
IE000472 T10.43	76123	333807	76146	333785	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T10.44	76146	333785	76162	333770	Sand	Other		Scope
IE000472 T10.45	76162	333770	76202	333721	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T10.46	76202	333721	76217	333691	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T10.47	76217	333691	End Point	End Point	Sand	Other		Scope
IE000472 T11	76168	333666	76156	333669	Sand	Other		Scope
IE000472 T11.1	76156	333669	76085	333667	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T11.2	76085	333667	76053	333667	Sand	Other		Scope
IE000472 T11.3	76053	333667	76023	333665	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T11.4	76023	333665	75922	333647	Sand	Other		Scope
IE000472 T11.5	75922	333647	75898	333640	Sand	Other		Scope
IE000472 T11.6	75898	333640	75870	333633	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T11.7	75870	333633	75800	333610	Sand	Other		Scope
IE000472 T11.8	75800	333610	75730	333587	Sand	Other		Scope
IE000472 T11.9	75730	333587	75642	333551	Sand	Other		Scope
IE000472 T11.10	75642	333551	75489	333500	Sand	Other		Scope
IE000472 T11.11	75489	333500	75424	333481	Sand	Other		Scope
IE000472 T11.12	75424	333481	75281	333433	Sand	Other		Scope
IE000472 T11.13	75281	333433	75146	333379	Sand	Other		Scope
IE000472 T11.14	75146	333379	74908	333301	Sand	Other		Scope
IE000472 T11.15	74908	333301	74863	333288	Sand	Other		Scope
IE000472 T11.16	74863	333288	End Point	End Point	Sand	Other		Scope
IE000472 T12	75327	332697	75343	332671	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T12.1	75343	332671	75353	332657	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T12.2	75353	332657	75369	332633	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T12.3	75369	332633	75384	332613	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.4	75384	332613	75396	332592	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.5	75396	332592	75411	332569	Sand	Other	With broken shell	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.6	75411	332569	75407	332550	Sand	Other		Scope
IE000472 T12.7	75407	332550	75387	332534	Sand	Other		Scope
IE000472 T12.8	75387	332534	75366	332520	Sand	Other		Scope
IE000472 T12.9	75366	332520	75340	332517	Sand	Other		Scope
IE000472 T12.10	75340	332517	75318	332531	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.11	75318	332531	75295	332544	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.12	75295	332544	75273	332558	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.13	75273	332558	75258	332567	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.14	75258	332567	75229	332588	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.15	75229	332588	75203	332609	Sand	Other		Scope
IE000472 T12.16	75203	332609	75187	332623	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.17	75187	332623	75174	332626	Sand	Other		Scope
IE000472 T12.18	75174	332626	75160	332620	Sand	Other		Scope
IE000472 T12.19	75160	332620	75153	332616	Sand	Other		Scope
IE000472 T12.20	75153	332616	75140	332610	Sand	Other		Scope
IE000472 T12.21	75140	332610	75121	332603	Sand	Other		Scope
IE000472 T12.22	75121	332603	75117	332565	Sand	Other	With broken shell	Scope
IE000472 T12.23	75117	332565	75150	332529	Sand	Other		Scope
IE000472 T12.24	75150	332529	75164	332513	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.25	75164	332513	75206	332471	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.26	75206	332471	75226	332453	Sand	Other	With broken shell	Scope
IE000472 T12.27	75226	332453	75249	332427	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.28	75249	332427	75273	332399	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.29	75273	332399	75284	332388	Sand	Other	With broken shell	Scope
IE000472 T12.30	75284	332388	75285	332378	Sand	Other		Scope
IE000472 T12.31	75285	332378	75270	332364	Sand	Other	With broken shell	Scope
IE000472 T12.32	75270	332364	75253	332356	Sand	Other	With broken shell	Scope
IE000472 T12.33	75253	332356	75237	332335	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.34	75237	332335	75259	332298	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.35	75259	332298	75273	332283	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.36	75273	332283	75282	332262	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.37	75282	332262	75264	332244	Sand	Other		Scope
IE000472 T12.38	75264	332244	75241	332227	Sand	Other		Scope
IE000472 T12.39	75241	332227	75229	332222	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.40	75229	332222	75217	332228	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.41	75217	332228	75211	332238	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T12.42	75211	332238	75170	332300	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T12.43	75170	332300	75153	332325	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T12.44	75153	332325	75143	332341	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T12.45	75143	332341	75118	332392	Sand	Other		Scope
IE000472 T12.46	75118	332392	75084	332462	Sand	Other		Scope
IE000472 T12.47	75084	332462	75068	332480	Sand	Other		Scope
IE000472 T12.48	75068	332480	75060	332513	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.49	75060	332513	75055	332534	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.50	75055	332534	75048	332553	Sand	Other		Scope
IE000472 T12.51	75048	332553	75046	332560	Sand	Other		Scope
IE000472 T12.52	75046	332560	75012	332562	Sand	Other		Scope
IE000472 T12.53	75012	332562	74963	332554	Sand	Other		Scope
IE000472 T12.54	74963	332554	74951	332542	Sand	Other		Scope
IE000472 T12.55	74951	332542	74975	332433	Sand	Other		Scope
IE000472 T12.56	74975	332433	74981	332403	Sand	Other	With Shell and <i>Chorda filum</i>	Scope
IE000472 T12.57	74981	332403	74998	332358	Sand	Other		Scope
IE000472 T12.58	74998	332358	75009	332334	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.59	75009	332334	75013	332322	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.60	75013	332322	75023	332291	Sand	Other		Scope
IE000472 T12.61	75023	332291	75026	332267	Sand	Other	With Shell and <i>Chorda filum</i>	Scope
IE000472 T12.62	75026	332267	75026	332249	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.63	75026	332249	75035	332215	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.64	75035	332215	75046	332167	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.65	75046	332167	75051	332134	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.66	75051	332134	75070	332097	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With <i>Chorda filum</i>	Scope
IE000472 T12.67	75070	332097	75102	332049	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.68	75102	332049	75110	332037	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.69	75110	332037	75114	332001	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.70	75114	332001	75132	331954	Sand	Other	With <i>Chorda filum</i>	Scope
IE000472 T12.71	75132	331954	75158	331908	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.72	75158	331908	75198	331831	Sand	Other	With <i>Chorda filum</i>	Scope
IE000472 T12.73	75198	331831	75215	331786	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.74	75215	331786	75227	331743	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.75	75227	331743	75250	331682	Sand	Other		Scope
IE000472 T12.76	75250	331682	75220	331642	Sand	Other		Scope
IE000472 T12.77	75220	331642	75160	331645	Sand	Other		Scope
IE000472 T12.78	75160	331645	75108	331763	Sand	Other		Scope
IE000472 T12.79	75108	331763	75092	331803	Sand	Other		Scope
IE000472 T12.80	75092	331803	75086	331824	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.81	75086	331824	75065	331882	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.82	75065	331882	75047	331923	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T12.83	75047	331923	75031	331961	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T12.84	75031	331961	74998	332066	Sand	Other		Scope
IE000472 T12.85	74998	332066	74992	332087	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T12.86	74992	332087	74979	332149	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.87	74979	332149	74973	332179	Sand	Other		Scope
IE000472 T12.88	74973	332179	74953	332234	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.89	74953	332234	74926	332324	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.90	74926	332324	74919	332348	Sand	Other		Scope
IE000472 T12.91	74919	332348	74915	332365	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.92	74915	332365	74908	332392	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.93	74908	332392	74867	332509	Sand	Other	With <i>Chorda filum</i>	Scope
IE000472 T12.94	74867	332509	74854	332552	Sand	Other		Scope
IE000472 T12.95	74854	332552	74764	332565	Sand	Other	With macroalgae	Scope
IE000472 T12.96	74764	332565	74723	332547	Sand	Other	With macroalgae	Scope
IE000472 T12.97	74723	332547	74739	332480	Sand	Other		Scope
IE000472 T12.98	74739	332480	74760	332402	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.99	74760	332402	74773	332374	Sand	Other		Scope
IE000472 T12.100	74773	332374	74784	332346	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.101	74784	332346	74791	332321	Sand	Other		Scope
IE000472 T12.102	74791	332321	74805	332279	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.103	74805	332279	74831	332217	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.104	74831	332217	74852	332113	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.105	74852	332113	74881	332040	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.106	74881	332040	74912	331942	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.107	74912	331942	74922	331909	Sand	Other		Scope
IE000472 T12.108	74922	331909	74928	331878	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.109	74928	331878	74941	331854	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.110	74941	331854	74951	331831	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.111	74951	331831	74969	331780	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T12.112	74969	331780	74980	331743	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T12.113	74980	331743	74989	331709	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T12.114	74989	331709	74998	331644	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.115	74998	331644	75004	331601	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.116	75004	331601	75032	331470	Sand	Other		Scope
IE000472 T12.117	75032	331470	75011	331431	Sand	Other		Scope
IE000472 T12.118	75011	331431	74941	331434	Sand	Other		Scope
IE000472 T12.119	74941	331434	74925	331473	Sand	Other		Scope
IE000472 T12.120	74925	331473	74917	331503	Sand	Other		Scope
IE000472 T12.121	74917	331503	74887	331589	Broken Shell	Other		Scope
IE000472 T12.122	74887	331589	74863	331675	Broken Shell	Other	With macroalgae	Scope
IE000472 T12.123	74863	331675	74861	331683	Sand	Other		Scope
IE000472 T12.124	74861	331683	74842	331744	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.125	74842	331744	74824	331815	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.126	74824	331815	74817	331848	Sand	Other		Scope
IE000472 T12.127	74817	331848	74810	331872	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.128	74810	331872	74796	331917	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.129	74796	331917	74790	331935	Sand	Other		Scope
IE000472 T12.130	74790	331935	74761	332004	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.131	74761	332004	74741	332055	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.132	74741	332055	74733	332079	Sand	Other		Scope
IE000472 T12.133	74733	332079	74709	332155	Broken Shell	Other	With macroalgae	Scope
IE000472 T12.134	74709	332155	74696	332204	Sand	Other		Scope
IE000472 T12.135	74696	332204	74671	332313	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.136	74671	332313	74667	332342	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.137	74667	332342	74650	332419	Sand	Other		Scope
IE000472 T12.138	74650	332419	74646	332436	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.139	74646	332436	74643	332452	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T12.140	74643	332452	74636	332486	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	With broken shell	Scope
IE000472 T12.141	74636	332486	74576	332568	Sand	Other		Scope
IE000472 T12.142	74576	332568	74506	332535	Sand	Other		Scope
IE000472 T12.143	74506	332535	74534	332460	Sand	Other		Scope
IE000472 T12.144	74534	332460	74559	332344	Sand	Other		Scope
IE000472 T12.145	74559	332344	74585	332263	Sand	Other		Scope
IE000472 T12.146	74585	332263	74608	332028	Sand	Other		Scope
IE000472 T12.147	74608	332028	74607	331876	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.148	74607	331876	74611	331732	Sand	Other		Scope
IE000472 T12.149	74611	331732	74635	331611	Sand	Other		Scope
IE000472 T12.150	74635	331611	74595	331610	Sand	Other		Scope
IE000472 T12.151	74595	331610	74534	331601	Sand	Other		Scope
IE000472 T12.152	74534	331601	74498	331732	Sand	Other		Scope
IE000472 T12.153	74498	331732	74468	331846	Sand	Other		Scope
IE000472 T12.154	74468	331846	74451	331927	Sand	Other		Scope
IE000472 T12.155	74451	331927	74431	332088	Sand	Other		Scope
IE000472 T12.156	74431	332088	74434	332087	Sand	Other		Scope
IE000472 T12.157	74434	332087	74442	332093	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.158	74442	332093	74427	332134	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.159	74427	332134	74407	332206	Sand	Other		Scope
IE000472 T12.160	74407	332206	74373	332312	Sand	Other		Scope
IE000472 T12.161	74373	332312	74317	332471	Sand	Other		Scope
IE000472 T12.162	74317	332471	74161	332369	Sand	Other		Scope
IE000472 T12.163	74161	332369	74101	332335	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.164	74101	332335	73976	332261	Sand	Other		Scope
IE000472 T12.165	73976	332261	73855	332196	Sand	Other		Scope
IE000472 T12.166	73855	332196	73745	332133	Sand	Other		Scope
IE000472 T12.167	73745	332133	73595	332048	Sand	Other		Scope
IE000472 T12.168	73595	332048	73517	332009	Sand	Other	With macroalgae	Scope
IE000472 T12.169	73517	332009	73540	331958	Sand	Other		Scope
IE000472 T12.170	73540	331958	73704	331979	Sand	Other		Scope
IE000472 T12.171	73704	331979	73731	331977	Sand	Other		Scope
IE000472 T12.172	73731	331977	73750	331973	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.173	73750	331973	73753	331960	Sand	Other		Scope
IE000472 T12.174	73753	331960	73716	331955	Sand	Other		Scope
IE000472 T12.175	73716	331955	73700	331953	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.176	73700	331953	73667	331927	Sand	Other		Scope
IE000472 T12.177	73667	331927	73640	331915	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.178	73640	331915	73620	331911	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.179	73620	331911	73598	331910	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.180	73598	331910	73539	331904	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.181	73539	331904	73511	331903	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T12.182	73511	331903	73469	331910	Sand	Other		Scope
IE000472 T12.183	73469	331910	73439	331920	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T12.184	73439	331920	73408	331972	Sand	Other		Scope
IE000472 T12.185	73408	331972	73380	332010	Mud	Other	With macroalgae	Scope
IE000472 T12.186	73380	332010	73315	331932	Mud	Other	With macroalgae	Scope
IE000472 T12.187	73315	331932	73334	331869	Mud	Other		Scope
IE000472 T12.188	73334	331869	73365	331856	Mud	Other		Scope
IE000472 T12.189	73365	331856	73495	331849	Mud	Other		Scope
IE000472 T12.190	73495	331849	73572	331879	Mud	Other		Scope
IE000472 T12.191	73572	331879	73600	331871	Mud	Other		Scope
IE000472 T12.192	73600	331871	73654	331858	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent but short leaf length and silted over	Scope
IE000472 T12.193	73654	331858	73691	331817	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T12.194	73691	331817	73698	331802	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T12.195	73698	331802	73698	331747	Mud	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.196	73698	331747	73697	331709	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.197	73697	331709	73658	331608	Mud	Other		Scope
IE000472 T12.198	73658	331608	73733	331595	Mud	Other		Scope
IE000472 T12.199	73733	331595	73756	331652	Mud	Other		Scope
IE000472 T12.200	73756	331652	73761	331679	Mud	Other		Scope
IE000472 T12.201	73761	331679	73778	331729	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare with very short leaf length	Scope
IE000472 T12.202	73778	331729	73783	331775	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.203	73783	331775	73780	331835	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.204	73780	331835	73777	331856	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T12.205	73777	331856	73771	331898	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.206	73771	331898	73774	331928	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.207	73774	331928	73780	332002	Mud	Other		Scope
IE000472 T12.208	73780	332002	73771	332042	Mud	Other		Scope
IE000472 T12.209	73771	332042	73723	331972	Mud	Other		Scope
IE000472 T12.210	73723	331972	73715	331960	Mud	Other		Scope
IE000472 T12.211	73715	331960	73688	331934	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.212	73688	331934	73633	331880	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.213	73633	331880	73591	331823	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.214	73591	331823	73549	331739	Mud	Other		Scope
IE000472 T12.215	73549	331739	73631	331753	Mud	Other		Scope
IE000472 T12.216	73631	331753	73707	331776	Mud	Other		Scope
IE000472 T12.217	73707	331776	73732	331743	Mud	Other		Scope
IE000472 T12.218	73732	331743	73755	331717	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.219	73755	331717	73778	331666	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.220	73778	331666	73783	331644	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.221	73783	331644	73790	331614	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T12.222	73790	331614	73940	331653	Mud	Other		Scope
IE000472 T12.223	73940	331653	73930	331736	Mud	Other		Scope
IE000472 T12.224	73930	331736	73924	331851	Mud	Other		Scope
IE000472 T12.225	73924	331851	73920	331927	Mud	Other		Scope
IE000472 T12.226	73920	331927	73908	332006	Mud	Other		Scope
IE000472 T12.227	73908	332006	73900	332099	Mud	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T12.228	73900	332099	73894	332117	Mud	Other		Scope
IE000472 T12.229	73894	332117	73867	332122	Mud	Other		Scope
IE000472 T12.230	73867	332122	73848	332122	Mud	Other		Scope
IE000472 T12.231	73848	332122	73836	332053	Mud	Other		Scope
IE000472 T12.232	73836	332053	73830	331978	Mud	Other		Scope
IE000472 T12.233	73830	331978	73817	331829	Mud	Other		Scope
IE000472 T12.234	73817	331829	73835	331782	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy with very short leaf length	Scope
IE000472 T12.235	73835	331782	73839	331768	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T12.236	73839	331768	73852	331725	Mud	Other		Scope
IE000472 T12.237	73852	331725	73858	331701	Mud	Other		Scope
IE000472 T12.238	73858	331701	End Point	End Point	Mud	Other		Scope
IE000472 T13	74214	332027	74321	332080	Mud	Other		Scope
IE000472 T13.1	74321	332080	74404	332132	Mud	Other		Scope
IE000472 T13.2	74404	332132	74442	332112	Mud	Other		Scope
IE000472 T13.3	74442	332112	74445	332095	Mud	Other		Scope
IE000472 T13.4	74445	332095	74448	332059	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T13.5	74448	332059	74467	332031	Sand	Other		Scope
IE000472 T13.6	74467	332031	74527	332045	Mud	Other		Scope
IE000472 T13.7	74527	332045	74605	332068	Mud	Other		Scope
IE000472 T13.8	74605	332068	74658	332078	Mud	Other		Scope
IE000472 T13.9	74658	332078	74724	332091	Sand	Other	With broken shell	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T13.10	74724	332091	74752	332106	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T13.11	74752	332106	74790	332128	Sand	Other	With broken shell	Scope
IE000472 T13.12	74790	332128	74861	332175	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T13.13	74861	332175	74945	332218	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	Bands of <i>Zostera marina</i> and sand	Scope
IE000472 T13.14	74945	332218	75002	332236	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T13.15	75002	332236	75104	332279	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	Bands of <i>Zostera marina</i> and sand	Scope
IE000472 T13.16	75104	332279	75199	332298	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	Bands of <i>Zostera marina</i> and sand	Scope
IE000472 T13.17	75199	332298	75261	332305	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	Bands of <i>Zostera marina</i> and sand	Scope
IE000472 T13.18	75261	332305	75295	332310	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T13.19	75295	332310	75326	332311	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T13.20	75326	332311	75366	332300	Sand	Other		Scope
IE000472 T13.21	75366	332300	75424	332262	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T13.22	75424	332262	75472	332227	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T13.23	75472	332227	75553	332165	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	Bands of <i>Zostera marina</i> and sand	Scope
IE000472 T13.24	75553	332165	75623	332094	Sand	Other		Scope
IE000472 T13.25	75623	332094	75730	332015	Sand	Other	With shell and macroalgae	Scope
IE000472 T13.26	75730	332015	75776	331977	Sand	Other		Scope
IE000472 T13.27	75776	331977	75859	331911	Sand	Other		Scope
IE000472 T13.28	75859	331911	75890	331883	Sand	Other		Scope
IE000472 T13.29	75890	331883	75957	331892	Sand	Other	With macroalgae	Scope
IE000472 T13.30	75957	331892	76042	331896	Sand	Other	With cobbles and macroalgae	Scope
IE000472 T13.31	76042	331896	76109	331863	Sand	Other	With broken shell	Scope
IE000472 T13.32	76109	331863	76115	331777	Sand	Other	With macroalgae	Scope
IE000472 T13.33	76115	331777	76079	331712	Sand	Other		Scope
IE000472 T13.34	76079	331712	76173	331654	Sand	Other		Scope
IE000472 T13.35	76173	331654	76246	331579	Sand	Other	With macroalgae	Scope
IE000472 T13.36	76246	331579	76302	331528	Sand	Other		Scope
IE000472 T13.37	76302	331528	76397	331439	Sand	Other		Scope
IE000472 T13.38	76397	331439	76471	331374	Sand	Other		Scope
IE000472 T13.39	76471	331374	76554	331318	Sand	Other	With macroalgae	Scope
IE000472 T13.40	76554	331318	76629	331278	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T13.41	76629	331278	76692	331256	Sand	Other		Scope
IE000472 T13.42	76692	331256	76739	331291	Sand	Other		Scope
IE000472 T13.43	76739	331291	76762	331420	Mud	Other		Scope
IE000472 T13.44	76762	331420	76703	331585	Sand	Other	With shell and macroalgae	Scope
IE000472 T13.45	76703	331585	76680	331646	Sand	Other		Scope
IE000472 T13.46	76680	331646	76623	331801	Sand	Other		Scope
IE000472 T13.47	76623	331801	76591	331875	Sand	Other		Scope
IE000472 T13.48	76591	331875	76562	331936	Sand	Other		Scope
IE000472 T13.49	76562	331936	76543	332045	Sand	Other		Scope
IE000472 T13.50	76543	332045	76483	332134	Sand	Other		Scope
IE000472 T13.51	76483	332134	76416	332218	Sand	Other		Scope
IE000472 T13.52	76416	332218	76354	332332	Sand	Other		Scope
IE000472 T13.53	76354	332332	76288	332442	Sand	Other		Scope
IE000472 T13.54	76288	332442	76196	332556	Sand	Other		Scope
IE000472 T13.55	76196	332556	76168	332581	Sand	Other		Scope
IE000472 T13.56	76168	332581	76122	332637	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T13.57	76122	332637	76074	332687	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T13.58	76074	332687	76056	332703	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T13.59	76056	332703	75971	332791	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T13.60	75971	332791	75938	332827	Sand	Other		Scope
IE000472 T13.61	75938	332827	75919	332847	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T13.62	75919	332847	75794	332993	Sand	Other		Scope
IE000472 T13.63	75794	332993	75720	333061	Sand	Other		Scope
IE000472 T13.64	75720	333061	75703	333074	Sand	Other		Scope
IE000472 T13.65	75703	333074	75680	333094	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T13.66	75680	333094	75640	333132	Sand	Other		Scope
IE000472 T13.67	75640	333132	75608	333174	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T13.68	75608	333174	75596	333202	Sand	Other		Scope
IE000472 T13.69	75596	333202	End Point	End Point	Sand	Other		Scope
IE000472 T14	76528	334276	76528	334302	Sand	Other		Scope
IE000472 T14.1	76528	334302	76517	334316	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice healthy, dense continuous bed	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T14.2	76517	334316	76530	334321	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.3	76530	334321	76547	334339	Sand	Other		Scope
IE000472 T14.4	76547	334339	76539	334347	Sand	Other		Scope
IE000472 T14.5	76539	334347	76551	334380	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice healthy, dense continuous bed	Scope
IE000472 T14.6	76551	334380	76579	334385	Sand	Other		Scope
IE000472 T14.7	76579	334385	76564	334404	Sand	Other		Scope
IE000472 T14.8	76564	334404	76538	334426	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.9	76538	334426	76570	334438	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.10	76570	334438	76582	334466	Sand	Other		Scope
IE000472 T14.11	76582	334466	76563	334475	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.12	76563	334475	76583	334492	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.13	76583	334492	76611	334478	Sand	Other		Scope
IE000472 T14.14	76611	334478	76594	334514	Sand	Other		Scope
IE000472 T14.15	76594	334514	76581	334552	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.16	76581	334552	76608	334552	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.17	76608	334552	76634	334543	Sand	Other		Scope
IE000472 T14.18	76634	334543	76639	334563	Sand	Other		Scope
IE000472 T14.19	76639	334563	76618	334577	Sand	Other		Scope
IE000472 T14.20	76618	334577	76597	334601	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.21	76597	334601	76628	334608	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.22	76628	334608	76647	334595	Sand	Other		Scope
IE000472 T14.23	76647	334595	76666	334609	Sand	Other		Scope
IE000472 T14.24	76666	334609	76633	334640	Sand	Other		Scope
IE000472 T14.25	76633	334640	76658	334672	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.26	76658	334672	76644	334692	Sand	Other		Scope
IE000472 T14.27	76644	334692	76655	334728	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T14.28	76655	334728	76672	334774	Sand	Other		Scope
IE000472 T14.29	76672	334774	76662	334813	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T14.30	76662	334813	76679	334834	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T14.31	76679	334834	76718	334835	Sand	Other		Scope
IE000472 T14.32	76718	334835	76681	334880	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T14.33	76681	334880	76659	334911	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T14.34	76659	334911	76658	334929	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T14.35	76658	334929	76727	334933	Sand	Other		Scope
IE000472 T14.36	76727	334933	76713	334959	Sand	Other		Scope
IE000472 T14.37	76713	334959	76707	334997	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T14.38	76707	334997	76730	334997	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T14.39	76730	334997	76787	334993	Sand	Other		Scope
IE000472 T14.40	76787	334993	76720	335055	Sand	Other		Scope
IE000472 T14.41	76720	335055	End Point	End Point	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15	76278	333872	76292	333867	Sand	Other		Scope
IE000472 T15.1	76292	333867	76222	333789	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	On shelly sand	Scope
IE000472 T15.2	76222	333789	76162	333709	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.3	76162	333709	76119	333655	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.4	76119	333655	76085	333615	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T15.5	76085	333615	76075	333602	Sand	Other		Scope
IE000472 T15.6	76075	333602	76027	333545	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.7	76027	333545	76006	333521	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.8	76006	333521	75969	333496	Sand	Other		Scope
IE000472 T15.9	75969	333496	75929	333471	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.10	75929	333471	75899	333437	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.11	75899	333437	75889	333427	Sand	Other		Scope
IE000472 T15.12	75889	333427	75856	333391	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.13	75856	333391	75806	333355	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.14	75806	333355	75757	333327	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.15	75757	333327	75715	333301	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.16	75715	333301	75702	333250	Sand	Other		Scope
IE000472 T15.17	75702	333250	75770	333211	Sand	Other		Scope
IE000472 T15.18	75770	333211	75783	333205	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.19	75783	333205	75860	333181	Sand	Other		Scope
IE000472 T15.20	75860	333181	75884	333200	Sand	Other		Scope
IE000472 T15.21	75884	333200	75814	333252	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T15.22	75814	333252	75749	333292	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T15.23	75749	333292	75707	333359	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Nice healthy, dense continuous bed	Scope
IE000472 T15.24	75707	333359	75766	333394	Sand	Other		Scope
IE000472 T15.25	75766	333394	75844	333383	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.26	75844	333383	75900	333359	Sand	Other		Scope
IE000472 T15.27	75900	333359	75941	333330	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.28	75941	333330	75948	333399	Sand	Other		Scope
IE000472 T15.29	75948	333399	75902	333442	Sand	Other		Scope
IE000472 T15.30	75902	333442	75876	333474	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.31	75876	333474	75817	333552	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T15.32	75817	333552	75791	333587	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T15.33	75791	333587	75767	333542	Sand	Other		Scope
IE000472 T15.34	75767	333542	75782	333521	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.35	75782	333521	75798	333497	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T15.36	75798	333497	75824	333436	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T15.37	75824	333436	75834	333402	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T15.38	75834	333402	75845	333376	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.39	75845	333376	75859	333330	Sand	Other		Scope
IE000472 T15.40	75859	333330	75859	333312	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.41	75859	333312	75880	333268	Sand	Other		Scope
IE000472 T15.42	75880	333268	75985	333509	Sand	Other		Scope
IE000472 T15.43	75985	333509	75975	333528	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T15.44	75975	333528	75953	333561	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T15.45	75953	333561	75984	333496	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.46	75984	333496	75901	333604	Sand	Other		Scope
IE000472 T15.47	75901	333604	75861	333629	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T15.48	75861	333629	75883	333632	Sand	Other		Scope
IE000472 T15.49	75883	333632	75913	333627	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.50	75913	333627	75966	333618	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T15.51	75966	333618	76002	333610	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T15.52	76002	333610	76052	333607	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T15.53	76052	333607	76089	333594	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.54	76089	333594	76123	333580	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T15.55	76123	333580	76181	333553	Sand	Other		Scope
IE000472 T15.56	76181	333553	76260	333507	Sand	Other		Scope
IE000472 T15.57	76260	333507	End Point	End Point	Sand	Other		Scope
IE000472 T16	76046	333455	75963	333499	Sand	Other		Scope
IE000472 T16.1	75963	333499	75934	333508	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T16.2	75934	333508	75895	333515	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T16.3	75895	333515	75861	333486	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T16.4	75861	333486	75813	333438	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T16.5	75813	333438	75762	333383	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T16.6	75762	333383	75745	333363	Sand	Other		Scope
IE000472 T16.7	75745	333363	75721	333336	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T16.8	75721	333336	75707	333324	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T16.9	75707	333324	75680	333289	Sand	Other		Scope
IE000472 T16.10	75680	333289	75671	333211	Sand	Other	With <i>Chorda filum</i>	Scope
IE000472 T16.11	75671	333211	75679	333182	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T16.12	75679	333182	75700	333133	Sand	Other		Scope
IE000472 T16.13	75700	333133	75706	333119	Sand	Other		Scope
IE000472 T16.14	75706	333119	75716	333096	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T16.15	75716	333096	75719	333085	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T16.16	75719	333085	75746	333031	Sand	Other		Scope
IE000472 T16.17	75746	333031	75797	332995	Sand	Other		Scope
IE000472 T16.18	75797	332995	75805	333052	Sand	Other		Scope
IE000472 T16.19	75805	333052	75800	333115	Sand	Other		Scope
IE000472 T16.20	75800	333115	75792	333199	Sand	Other		Scope
IE000472 T16.21	75792	333199	75783	333210	Sand	Other		Scope
IE000472 T16.22	75783	333210	75751	333206	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T16.23	75751	333206	75688	333197	Sand	Other		Scope
IE000472 T16.24	75688	333197	75664	333200	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T16.25	75664	333200	75605	333206	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T16.26	75605	333206	75578	333191	Sand	Other		Scope
IE000472 T16.27	75578	333191	75567	333174	Sand	Other		Scope
IE000472 T16.28	75567	333174	75567	333162	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T16.29	75567	333162	75575	333144	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T16.30	75575	333144	75593	333132	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T16.31	75593	333132	75628	333110	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T16.32	75628	333110	75671	333067	Sand	Other		Scope
IE000472 T16.33	75671	333067	75717	333012	Sand	Other		Scope
IE000472 T16.34	75717	333012	75742	332936	Sand	Other		Scope
IE000472 T16.35	75742	332936	75715	332899	Sand	Other		Scope
IE000472 T16.36	75715	332899	75634	332898	Sand	Other		Scope
IE000472 T16.37	75634	332898	75567	332913	Sand	Other		Scope
IE000472 T16.38	75567	332913	75487	332938	Sand	Other	With <i>Chorda filum</i>	Scope
IE000472 T16.39	75487	332938	75471	332951	Sand	Other		Scope
IE000472 T16.40	75471	332951	75491	332973	Sand	Other		Scope
IE000472 T16.41	75491	332973	75544	333022	Sand	Other		Scope
IE000472 T16.42	75544	333022	75566	333046	Sand	Other		Scope
IE000472 T16.43	75566	333046	75592	333098	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T16.44	75592	333098	75615	333143	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T16.45	75615	333143	75625	333167	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T16.46	75625	333167	75636	333187	Sand	Other		Scope
IE000472 T16.47	75636	333187	75665	333211	Sand	Other		Scope
IE000472 T16.48	75665	333211	75664	333152	Sand	Other		Scope
IE000472 T16.49	75664	333152	End Point	End Point	Sand	Other		Scope
IE000472 T17	75434	332788	75427	332779	Sand	Other		Scope
IE000472 T17.1	75427	332779	75399	332759	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T17.2	75399	332759	75366	332739	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T17.3	75366	332739	75333	332719	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T17.4	75333	332719	75317	332728	Sand	Other		Scope
IE000472 T17.5	75317	332728	75333	332727	Sand	Other		Scope
IE000472 T17.6	75333	332727	75348	332737	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T17.7	75348	332737	75356	332753	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T17.8	75356	332753	75361	332766	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T17.9	75361	332766	75375	332798	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T17.10	75375	332798	75389	332836	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T17.11	75389	332836	75399	332853	Sand	Other		Scope
IE000472 T17.12	75399	332853	75418	332847	Sand	Other		Scope
IE000472 T17.13	75418	332847	75423	332840	Sand	Other		Scope
IE000472 T17.14	75423	332840	75434	332814	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T17.15	75434	332814	75438	332802	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T17.16	75438	332802	75444	332770	Sand	Other		Scope
IE000472 T17.17	75444	332770	75407	332749	Sand	Other		Scope
IE000472 T17.18	75407	332749	75380	332737	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T17.19	75380	332737	75361	332728	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T17.20	75361	332728	75331	332711	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T17.21	75331	332711	75322	332704	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T17.22	75322	332704	75313	332694	Sand	Other		Scope
IE000472 T17.23	75313	332694	75313	332678	Sand	Other		Scope
IE000472 T17.24	75313	332678	75327	332670	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T17.25	75327	332670	75344	332666	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T17.26	75344	332666	75356	332664	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T17.27	75356	332664	75373	332662	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T17.28	75373	332662	75416	332664	Sand	Other		Scope
IE000472 T17.29	75416	332664	75429	332654	Sand	Other		Scope
IE000472 T17.30	75429	332654	75397	332605	Sand	Other		Scope
IE000472 T17.31	75397	332605	75342	332604	Sand	Other		Scope
IE000472 T17.32	75342	332604	75318	332615	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T17.33	75318	332615	75300	332582	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T17.34	75300	332582	75311	332562	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T17.35	75311	332562	75316	332542	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T17.36	75316	332542	75321	332521	Sand	Other		Scope
IE000472 T17.37	75321	332521	75330	332498	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T17.38	75330	332498	75336	332478	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T17.39	75336	332478	75341	332460	Sand	Other		Scope
IE000472 T17.40	75341	332460	75364	332414	Sand	Other		Scope
IE000472 T17.41	75364	332414	End Point	End Point	Sand	Other		Scope
IE000472 T18	75422	332340	75452	332322	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T18.1	75452	332322	75470	332311	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T18.2	75470	332311	75493	332277	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T18.3	75493	332277	75499	332264	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T18.4	75499	332264	75534	332210	Sand	Other		Scope
IE000472 T18.5	75534	332210	75570	332159	Sand	Other		Scope
IE000472 T18.6	75570	332159	75638	332095	Sand	Other		Scope
IE000472 T18.7	75638	332095	75656	332075	Sand	Other		Scope
IE000472 T18.8	75656	332075	75660	332066	Sand	Other		Scope
IE000472 T18.9	75660	332066	75653	332047	Sand	Other		Scope
IE000472 T18.10	75653	332047	75618	332005	Sand	Other		Scope
IE000472 T18.11	75618	332005	75593	331979	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T18.12	75593	331979	75576	331960	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T18.13	75576	331960	75545	331927	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.14	75545	331927	75508	331886	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.15	75508	331886	75472	331853	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.16	75472	331853	75433	331817	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.17	75433	331817	75416	331804	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.18	75416	331804	75390	331781	Sand	Other		Scope
IE000472 T18.19	75390	331781	75402	331743	Sand	Other		Scope
IE000472 T18.20	75402	331743	75434	331715	Sand	Other		Scope
IE000472 T18.21	75434	331715	75450	331715	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T18.22	75450	331715	75489	331741	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.23	75489	331741	75507	331759	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.24	75507	331759	75529	331780	Sand	Other		Scope
IE000472 T18.25	75529	331780	75564	331816	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.26	75564	331816	75610	331855	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T18.27	75610	331855	75656	331887	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.28	75656	331887	75683	331905	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T18.29	75683	331905	75706	331924	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T18.30	75706	331924	75743	331960	Sand	Other		Scope
IE000472 T18.31	75743	331960	End Point	End Point	Sand	Other		Scope
IE000472 T19	75795	331806	75723	331800	Sand	Other		Scope
IE000472 T19.1	75723	331800	75666	331813	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T19.2	75666	331813	75655	331815	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T19.3	75655	331815	75617	331827	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T19.4	75617	331827	75568	331841	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T19.5	75568	331841	75518	331856	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T19.6	75518	331856	75460	331870	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T19.7	75460	331870	75429	331876	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T19.8	75429	331876	75366	331898	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T19.9	75366	331898	75296	331924	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T19.10	75296	331924	75249	331939	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T19.11	75249	331939	75189	331950	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T19.12	75189	331950	75167	331955	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T19.13	75167	331955	75124	331963	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T19.14	75124	331963	75044	331987	Sand	Other		Scope
IE000472 T19.15	75044	331987	75002	332003	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T19.16	75002	332003	End Point	End Point	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T20	76774	333626	76781	333604	Sand	Other		Scope
IE000472 T20.1	76781	333604	76764	333604	Sand	Other		Scope
IE000472 T20.2	76764	333604	76745	333615	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.3	76745	333615	76715	333632	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.4	76715	333632	76697	333642	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.5	76697	333642	76685	333652	Sand	Other		Scope
IE000472 T20.6	76685	333652	76663	333641	Sand	Other		Scope
IE000472 T20.7	76663	333641	76659	333611	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T20.8	76659	333611	76681	333592	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.9	76681	333592	76689	333587	Sand	Other		Scope
IE000472 T20.10	76689	333587	76723	333565	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.11	76723	333565	76752	333547	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T20.12	76752	333547	76765	333537	Sand	Other		Scope
IE000472 T20.13	76765	333537	76776	333528	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T20.14	76776	333528	76786	333498	Sand	Other		Scope
IE000472 T20.15	76786	333498	76753	333503	Sand	Other		Scope
IE000472 T20.16	76753	333503	76735	333522	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.17	76735	333522	76720	333535	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T20.18	76720	333535	76682	333561	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T20.19	76682	333561	76667	333571	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T20.20	76667	333571	76647	333586	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T20.21	76647	333586	76631	333590	Sand	Other		Scope
IE000472 T20.22	76631	333590	76619	333573	Sand	Other		Scope
IE000472 T20.23	76619	333573	76618	333553	Sand	Other		Scope
IE000472 T20.24	76618	333553	76658	333532	Sand	Other		Scope
IE000472 T20.25	76658	333532	76686	333522	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T20.26	76686	333522	76716	333509	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.27	76716	333509	76742	333497	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T20.28	76742	333497	76759	333477	Sand	Other		Scope
IE000472 T20.29	76759	333477	76751	333459	Sand	Other		Scope
IE000472 T20.30	76751	333459	76681	333463	Sand	Other		Scope
IE000472 T20.31	76681	333463	76665	333497	Sand	Other		Scope
IE000472 T20.32	76665	333497	76678	333515	Sand	Other		Scope
IE000472 T20.33	76678	333515	76706	333547	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.34	76706	333547	76723	333565	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.35	76723	333565	76753	333592	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T20.36	76753	333592	76776	333611	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T20.37	76776	333611	76814	333641	Sand	Other		Scope
IE000472 T20.38	76814	333641	76807	333672	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T20.39	76807	333672	76769	333656	Sand	Other		Scope
IE000472 T20.40	76769	333656	76753	333642	Sand	Other		Scope
IE000472 T20.41	76753	333642	76735	333619	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T20.42	76735	333619	76727	333611	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T20.43	76727	333611	76705	333599	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.44	76705	333599	76689	333595	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.45	76689	333595	76676	333593	Sand	Other		Scope
IE000472 T20.46	76676	333593	76653	333589	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T20.47	76653	333589	76635	333599	Sand	Other		Scope
IE000472 T20.48	76635	333599	End Point	End Point	Sand	Other		Scope
IE000472 T21	76327	333056	76395	333002	Sand	Other		Scope
IE000472 T21.1	76395	333002	76416	332979	Sand	Other		Scope
IE000472 T21.2	76416	332979	76387	332967	Sand	Other		Scope
IE000472 T21.3	76387	332967	76353	332985	Sand	Other		Scope
IE000472 T21.4	76353	332985	76311	333004	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.5	76311	333004	76301	333009	Sand	Other		Scope
IE000472 T21.6	76301	333009	76287	333017	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.7	76287	333017	76246	333049	Sand	Other		Scope
IE000472 T21.8	76246	333049	76231	333062	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T21.9	76231	333062	76205	333079	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.10	76205	333079	76183	333090	Sand	Other		Scope
IE000472 T21.11	76183	333090	76149	333104	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.12	76149	333104	76118	333117	Sand	Other		Scope
IE000472 T21.13	76118	333117	76110	333141	Sand	Other		Scope
IE000472 T21.14	76110	333141	76147	333161	Sand	Other		Scope
IE000472 T21.15	76147	333161	76198	333143	Sand	Other		Scope
IE000472 T21.16	76198	333143	76234	333133	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.17	76234	333133	76301	333114	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.18	76301	333114	76315	333108	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.19	76315	333108	76396	333074	Sand	Other		Scope
IE000472 T21.20	76396	333074	76445	333059	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T21.21	76445	333059	76475	333068	Sand	Other		Scope
IE000472 T21.22	76475	333068	76493	333107	Sand	Other		Scope
IE000472 T21.23	76493	333107	76422	333164	Sand	Other		Scope
IE000472 T21.24	76422	333164	76389	333195	Sand	Other		Scope
IE000472 T21.25	76389	333195	76313	333253	Sand	Other		Scope
IE000472 T21.26	76313	333253	76276	333273	Sand	Other		Scope
IE000472 T21.27	76276	333273	76245	333270	Sand	Other		Scope
IE000472 T21.28	76245	333270	76247	333180	Sand	Other		Scope
IE000472 T21.29	76247	333180	76255	333134	Sand	Other		Scope
IE000472 T21.30	76255	333134	76271	333088	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.31	76271	333088	76317	332990	Sand	Other		Scope
IE000472 T21.32	76317	332990	76336	332949	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.33	76336	332949	76345	332930	Sand	Other		Scope
IE000472 T21.34	76345	332930	76364	332892	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.35	76364	332892	76403	332837	Sand	Other		Scope
IE000472 T21.36	76403	332837	76393	332791	Sand	Other		Scope
IE000472 T21.37	76393	332791	76369	332787	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T21.38	76369	332787	76355	332794	Sand	Other		Scope
IE000472 T21.39	76355	332794	76343	332805	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T21.40	76343	332805	76325	332822	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.41	76325	332822	76308	332840	Sand	Other		Scope
IE000472 T21.42	76308	332840	76293	332859	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.43	76293	332859	76272	332882	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.44	76272	332882	76245	332906	Sand	Other		Scope
IE000472 T21.45	76245	332906	76225	332925	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.46	76225	332925	76201	332947	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T21.47	76201	332947	76187	332961	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T21.48	76187	332961	76132	333015	Sand	Other		Scope
IE000472 T21.49	76132	333015	76123	333028	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T21.50	76123	333028	76102	333047	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T21.51	76102	333047	76072	333072	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T21.52	76072	333072	76026	333052	Sand	Other		Scope
IE000472 T21.53	76026	333052	76013	333008	Sand	Other		Scope
IE000472 T21.54	76013	333008	76031	332957	Sand	Other		Scope
IE000472 T21.55	76031	332957	76065	332931	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T21.56	76065	332931	76082	332914	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T21.57	76082	332914	76144	332861	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T21.58	76144	332861	76176	332837	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T21.59	76176	332837	76192	332825	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.60	76192	332825	76236	332799	Sand	Other		Scope
IE000472 T21.61	76236	332799	76244	332792	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.62	76244	332792	76272	332775	Sand	Other		Scope
IE000472 T21.63	76272	332775	76311	332744	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T21.64	76311	332744	76329	332736	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.65	76329	332736	76351	332731	Sand	Other		Scope
IE000472 T21.66	76351	332731	76368	332727	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T21.67	76368	332727	76386	332723	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.68	76386	332723	76412	332716	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T21.69	76412	332716	76427	332711	Sand	Other		Scope
IE000472 T21.70	76427	332711	76448	332707	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T21.71	76448	332707	76609	332651	Sand	Other		Scope
IE000472 T21.72	76609	332651	76721	332603	Sand	Other		Scope
IE000472 T21.73	76721	332603	76756	332580	Sand	Other		Scope
IE000472 T21.74	76756	332580	76767	332575	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T21.75	76767	332575	76789	332566	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T21.76	76789	332566	76811	332559	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T21.77	76811	332559	76827	332553	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T21.78	76827	332553	76854	332534	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T21.79	76854	332534	76867	332523	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T21.80	76867	332523	76888	332504	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T21.81	76888	332504	End Point	End Point	Sand	Other		Scope
IE000472 T22	76878	332480	76849	332511	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T22.1	76849	332511	76826	332535	Sand	Other		Scope
IE000472 T22.2	76826	332535	76815	332540	Sand	Other		Scope
IE000472 T22.3	76815	332540	76781	332552	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T22.4	76781	332552	76734	332565	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T22.5	76734	332565	76690	332582	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T22.6	76690	332582	76639	332589	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T22.7	76639	332589	76624	332588	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T22.8	76624	332588	76593	332587	Sand	Other		Scope
IE000472 T22.9	76593	332587	76568	332591	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T22.10	76568	332591	76527	332598	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T22.11	76527	332598	76496	332569	Sand	Other		Scope
IE000472 T22.12	76496	332569	76485	332544	Sand	Other		Scope
IE000472 T22.13	76485	332544	76477	332524	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T22.14	76477	332524	76464	332493	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T22.15	76464	332493	76427	332448	Sand	Other		Scope
IE000472 T22.16	76427	332448	76410	332410	Sand	Other		Scope
IE000472 T22.17	76410	332410	76425	332388	Sand	Other		Scope
IE000472 T22.18	76425	332388	76457	332392	Sand	Other		Scope
IE000472 T22.19	76457	332392	76494	332393	Sand	Other		Scope
IE000472 T22.20	76494	332393	76505	332424	Sand	Other		Scope
IE000472 T22.21	76505	332424	76538	332504	Sand	Other		Scope
IE000472 T22.22	76538	332504	76557	332536	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T22.23	76557	332536	76581	332574	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T22.24	76581	332574	76592	332603	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T22.25	76592	332603	76598	332617	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T22.26	76598	332617	76615	332662	Sand	Other	With shell	Scope
IE000472 T22.27	76615	332662	76650	332668	Sand	Other		Scope
IE000472 T22.28	76650	332668	76683	332649	Sand	Other		Scope
IE000472 T22.29	76683	332649	76680	332610	Sand	Other		Scope
IE000472 T22.30	76680	332610	76678	332600	Sand	Other	With shell	Scope
IE000472 T22.31	76678	332600	76677	332588	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T22.32	76677	332588	76676	332577	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T22.33	76676	332577	76672	332550	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T22.34	76672	332550	76660	332508	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T22.35	76660	332508	76666	332482	Sand	Other		Scope
IE000472 T22.36	76666	332482	76727	332506	Sand	Other		Scope
IE000472 T22.37	76727	332506	76730	332523	Sand	Other		Scope
IE000472 T22.38	76730	332523	76736	332568	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T22.39	76736	332568	76741	332590	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T22.40	76741	332590	76771	332619	Sand	Other		Scope
IE000472 T22.41	76771	332619	76807	332615	Sand	Other		Scope
IE000472 T22.42	76807	332615	76818	332595	Sand	Other		Scope
IE000472 T22.43	76818	332595	76808	332568	Sand	Other		Scope
IE000472 T22.44	76808	332568	76803	332557	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T22.45	76803	332557	76799	332544	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T22.46	76799	332544	76797	332534	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T22.47	76797	332534	76801	332502	Sand	Other		Scope
IE000472 T22.48	76801	332502	76832	332502	Sand	Other		Scope
IE000472 T22.49	76832	332502	76843	332511	Sand	Other		Scope
IE000472 T22.50	76843	332511	76848	332523	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T22.51	76848	332523	76851	332537	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T22.52	76851	332537	76855	332555	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T22.53	76855	332555	76873	332574	Sand	Other		Scope
IE000472 T22.54	76873	332574	76892	332561	Sand	Other		Scope
IE000472 T22.55	76892	332561	76878	332506	Sand	Other		Scope
IE000472 T22.56	76878	332506	76866	332471	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T22.57	76866	332471	76856	332440	Sand	Other		Scope
IE000472 T22.58	76856	332440	End Point	End Point	Sand	Other		Scope
IE000472 T23	76069	332749	75963	332739	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T23.1	75963	332739	75909	332617	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T23.2	75909	332617	End Point	End Point	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T24	75720	332715	75854	333035	Sand	Other	With broken shell and <i>Chorda filum</i>	Dive
IE000472 T24.1	75854	333035	End Point	End Point	Sand	Other	With broken shell and <i>Chorda filum</i>	Dive
IE000472 T25	76308	333502	76321	333780	Sand	Other	With <i>Lanice conchilega</i> Rare and <i>Ensis arcuata</i> Occasional	Dive
IE000472 T25.1	76321	333780	End Point	End Point	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	With <i>Lanice conchilega</i> Rare and <i>Ensis arcuata</i> Occasional	Dive
IE000472 T26	76695	334222	76833	334426	Sand	Other		Dive
IE000472 T26.1	76833	334426	End Point	End Point	Sand	Other		Dive
IE000472 T27	77741	335135	77709	335229	Sand	Other		Scope
IE000472 T27.1	77709	335229	77595	335245	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T27.2	77595	335245	77627	335278	Sand	Other		Scope
IE000472 T27.3	77627	335278	77725	335237	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T27.4	77725	335237	77753	335261	Sand	Other		Scope
IE000472 T27.5	77753	335261	77731	335261	Sand	Other		Scope
IE000472 T27.6	77731	335261	77704	335267	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T27.7	77704	335267	77677	335290	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T27.8	77677	335290	77641	335307	Sand	Other		Scope
IE000472 T27.9	77641	335307	77620	335306	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T27.10	77620	335306	77606	335214	Sand	Other		Scope
IE000472 T27.11	77606	335214	77629	335189	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T27.12	77629	335189	77667	335171	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T27.13	77667	335171	77708	335152	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T27.14	77708	335152	77725	335122	Sand	Other		Scope
IE000472 T27.15	77725	335122	77687	335111	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Very dense bed	Scope
IE000472 T27.16	77687	335111	77650	335120	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T27.17	77650	335120	77639	335122	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T27.18	77639	335122	77622	335127	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T27.19	77622	335127	77614	335098	Sand	Other		Scope
IE000472 T27.20	77614	335098	77624	335087	Sand	Other		Scope
IE000472 T27.21	77624	335087	77640	335079	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T27.22	77640	335079	77665	335075	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T27.23	77665	335075	77688	335071	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T27.24	77688	335071	77720	335063	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Very dense bed	Scope
IE000472 T27.25	77720	335063	77740	335058	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T27.26	77740	335058	77769	335017	Sand	Other		Scope
IE000472 T27.27	77769	335017	77766	335007	Sand	Other		Scope
IE000472 T27.28	77766	335007	77755	334980	Rock	Other		Scope
IE000472 T27.29	77755	334980	77719	334984	Sand	Other		Scope
IE000472 T27.30	77719	334984	77701	334986	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T27.31	77701	334986	77662	334988	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T27.32	77662	334988	77641	334992	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T27.33	77641	334992	77625	334995	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T27.34	77625	334995	77612	334999	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T27.35	77612	334999	77544	334961	Sand	Other		Scope
IE000472 T27.36	77544	334961	77576	334910	Sand	Other		Scope
IE000472 T27.37	77576	334910	77614	334888	Sand	Other		Scope
IE000472 T27.38	77614	334888	77637	334871	Sand	Other		Scope
IE000472 T27.39	77637	334871	77647	334824	Sand	Other		Scope
IE000472 T27.40	77647	334824	77639	334810	Sand	Other		Scope
IE000472 T27.41	77639	334810	77625	334805	Sand	Other		Scope
IE000472 T27.42	77625	334805	77617	334903	Sand	Other		Scope
IE000472 T27.43	77617	334903	77627	334946	Sand	Other		Scope
IE000472 T27.44	77627	334946	77633	334964	Rock	Other		Scope
IE000472 T27.45	77633	334964	77638	334980	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T27.46	77638	334980	77656	335021	Sand	Other		Scope
IE000472 T27.47	77656	335021	77682	335083	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T27.48	77682	335083	77694	335113	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T27.49	77694	335113	77701	335137	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T27.50	77701	335137	77711	335172	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T27.51	77711	335172	77719	335215	Sand	Other		Scope
IE000472 T27.52	77719	335215	77647	335251	Sand	Other		Scope
IE000472 T27.53	77647	335251	77625	335255	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T27.54	77625	335255	77586	335160	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T27.55	77586	335160	77570	335080	Sand	Other		Scope
IE000472 T27.56	77570	335080	77561	335029	Sand	Other		Scope
IE000472 T27.57	77561	335029	End Point	End Point	Sand	Other		Scope
IE000472 T28	75888	332356	75885	332347	Sand	Other		Scope
IE000472 T28.1	75885	332347	75872	332281	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T28.2	75872	332281	75862	332189	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T28.3	75862	332189	75851	332129	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T28.4	75851	332129	75846	332068	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T28.5	75846	332068	75847	332046	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T28.6	75847	332046	75851	332021	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T28.7	75851	332021	75853	332005	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T28.8	75853	332005	75870	331970	Sand	Other		Scope
IE000472 T28.9	75870	331970	75968	332000	Sand	Other		Scope
IE000472 T28.10	75968	332000	76043	332054	Sand	Other		Scope
IE000472 T28.11	76043	332054	76218	332216	Sand	Other	With macroalgae	Scope
IE000472 T28.12	76218	332216	76283	332348	Sand	Other		Scope
IE000472 T28.13	76283	332348	76251	332365	Sand	Other		Scope
IE000472 T28.14	76251	332365	76162	332359	Sand	Other		Scope
IE000472 T28.15	76162	332359	76034	332358	Sand	Other		Scope
IE000472 T28.16	76034	332358	76011	332356	Sand	Other		Scope
IE000472 T28.17	76011	332356	75916	332358	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T28.18	75916	332358	75898	332361	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T28.19	75898	332361	75827	332380	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T28.20	75827	332380	75775	332388	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T28.21	75775	332388	75697	332396	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T28.22	75697	332396	75662	332398	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T28.23	75662	332398	75622	332402	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T28.24	75622	332402	75602	332406	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T28.25	75602	332406	75567	332413	Sand	Other		Scope
IE000472 T28.26	75567	332413	End Point	End Point	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T29	75918	332884	75939	332865	Sand	Other		Scope
IE000472 T29.1	75939	332865	75972	332832	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T29.2	75972	332832	76003	332789	Sand	Other		Scope
IE000472 T29.3	76003	332789	76006	332760	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T29.4	76006	332760	76000	332724	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T29.5	76000	332724	75997	332705	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T29.6	75997	332705	75983	332650	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T29.7	75983	332650	75963	332578	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T29.8	75963	332578	75952	332545	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T29.9	75952	332545	75935	332492	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T29.10	75935	332492	75920	332453	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T29.11	75920	332453	75907	332417	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T29.12	75907	332417	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30	75889	332360	75992	332410	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.1	75992	332410	76046	332466	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.2	76046	332466	76059	332483	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T30.3	76059	332483	76085	332518	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T30.4	76085	332518	76098	332535	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.5	76098	332535	76114	332554	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T30.6	76114	332554	76147	332595	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.7	76147	332595	76173	332618	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T30.8	76173	332618	76204	332648	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.9	76204	332648	76226	332669	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.10	76226	332669	76262	332695	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T30.11	76262	332695	76279	332707	Sand	Other		Scope
IE000472 T30.12	76279	332707	76311	332727	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T30.13	76311	332727	76363	332766	Sand	Other		Scope
IE000472 T30.14	76363	332766	76364	332786	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T30.15	76364	332786	76311	332831	Sand	Other		Scope
IE000472 T30.16	76311	332831	76273	332861	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.17	76273	332861	76227	332895	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T30.18	76227	332895	76198	332914	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.19	76198	332914	76177	332925	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T30.20	76177	332925	76131	332943	Sand	Other		Scope
IE000472 T30.21	76131	332943	76111	332948	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.22	76111	332948	76092	332952	Sand	Other		Scope
IE000472 T30.23	76092	332952	76066	332957	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T30.24	76066	332957	76042	332963	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T30.25	76042	332963	75984	332978	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T30.26	75984	332978	End Point	End Point	Sand	Other		Scope
IE000472 T31	75693	332719	75724	332620	Sand	Other		Scope
IE000472 T31.1	75724	332620	75730	332607	Sand	Other		Scope
IE000472 T31.2	75730	332607	75742	332571	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T31.3	75742	332571	75774	332509	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T31.4	75774	332509	75789	332486	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T31.5	75789	332486	75819	332438	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T31.6	75819	332438	75826	332422	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T31.7	75826	332422	75832	332409	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000472 T31.8	75832	332409	75842	332396	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T31.9	75842	332396	75874	332352	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T31.10	75874	332352	75910	332302	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T31.11	75910	332302	75939	332261	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T31.12	75939	332261	75957	332234	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE000472 T31.13	75957	332234	75998	332180	Sand	Other		Scope
IE000472 T31.14	75998	332180	76059	332084	Sand	Other		Scope
IE000472 T31.15	76059	332084	76079	332060	Sand	Other		Scope
IE000472 T31.16	76079	332060	End Point	End Point	Sand	Other		Scope
IE000472 T32	75820	332327	75769	332282	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T32.1	75769	332282	75731	332246	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T32.2	75731	332246	75681	332210	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T32.3	75681	332210	75647	332182	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T32.4	75647	332182	75574	332123	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T32.5	75574	332123	75541	332096	Sand	Other		Scope
IE000472 T32.6	75541	332096	75514	332071	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T32.7	75514	332071	75501	332060	Sand	Other		Scope
IE000472 T32.8	75501	332060	75446	332040	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T32.9	75446	332040	75390	332028	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T32.10	75390	332028	End Point	End Point	Sand	Other		Scope
IE000472 T33	75427	332010	75434	331997	Sand	Other		Scope
IE000472 T33.1	75434	331997	75443	331975	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T33.2	75443	331975	75457	331921	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T33.3	75457	331921	75502	331829	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T33.4	75502	331829	75516	331801	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T33.5	75516	331801	75538	331760	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T33.6	75538	331760	75564	331714	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T33.7	75564	331714	75628	331609	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T33.8	75628	331609	75681	331558	Sand	Other		Scope
IE000472 T33.9	75681	331558	75696	331546	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T33.10	75696	331546	75746	331490	Sand	Other		Scope
IE000472 T33.11	75746	331490	75752	331464	Sand	Other		Scope
IE000472 T33.12	75752	331464	75689	331418	Sand	Other		Scope
IE000472 T33.13	75689	331418	75520	331328	Sand	Other		Scope
IE000472 T33.14	75520	331328	75310	331378	Sand	Other		Scope
IE000472 T33.15	75310	331378	75294	331466	Sand	Other		Scope
IE000472 T33.16	75294	331466	75311	331557	Sand	Other		Scope
IE000472 T33.17	75311	331557	75324	331631	Sand	Other		Scope
IE000472 T33.18	75324	331631	75343	331723	Sand	Other		Scope
IE000472 T33.19	75343	331723	75363	331844	Sand	Other		Scope
IE000472 T33.20	75363	331844	75380	331933	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T33.21	75380	331933	75397	331982	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T33.22	75397	331982	75429	332067	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T33.23	75429	332067	75439	332112	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T33.24	75439	332112	75446	332149	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T33.25	75446	332149	75450	332175	Sand	Other		Scope
IE000472 T33.26	75450	332175	75451	332200	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T33.27	75451	332200	75436	332279	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T33.28	75436	332279	75416	332315	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T33.29	75416	332315	75409	332334	Sand	Other		Scope
IE000472 T33.30	75409	332334	End Point	End Point	Sand	Other		Scope
IE000472 T34	75159	332235	75134	332218	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T34.1	75134	332218	75089	332186	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.2	75089	332186	75076	332176	Sand	Other		Scope
IE000472 T34.3	75076	332176	75018	332118	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.4	75018	332118	74967	332046	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.5	74967	332046	74993	332019	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T34.6	74993	332019	75041	332019	Sand	Other		Scope
IE000472 T34.7	75041	332019	75083	332012	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.8	75083	332012	75130	332003	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T34.9	75130	332003	75178	331995	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T34.10	75178	331995	75233	331992	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T34.11	75233	331992	75266	331991	Sand	Other		Scope
IE000472 T34.12	75266	331991	75409	332011	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.13	75409	332011	75519	332028	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T34.14	75519	332028	75618	332035	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.15	75618	332035	75744	332055	Sand	Other		Scope
IE000472 T34.16	75744	332055	75778	332055	Sand	Other		Scope
IE000472 T34.17	75778	332055	75843	332064	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Very dense bed	Scope
IE000472 T34.18	75843	332064	75871	332071	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T34.19	75871	332071	75926	332084	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T34.20	75926	332084	76032	332106	Sand	Other		Scope
IE000472 T34.21	76032	332106	76093	332115	Sand	Other		Scope
IE000472 T34.22	76093	332115	76150	332174	Sand	Other		Scope
IE000472 T34.23	76150	332174	76073	332327	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T34.24	76073	332327	75946	332511	Sand	Other		Scope
IE000472 T34.25	75946	332511	75903	332501	Sand	Other		Scope
IE000472 T34.26	75903	332501	75875	332466	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T34.27	75875	332466	75859	332446	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T34.28	75859	332446	75823	332405	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.29	75823	332405	75801	332382	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T34.30	75801	332382	75777	332354	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T34.31	75777	332354	75709	332285	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T34.32	75709	332285	75694	332271	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T34.33	75694	332271	75668	332242	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T34.34	75668	332242	75602	332183	Sand	Other		Scope
IE000472 T34.35	75602	332183	75528	332097	Sand	Other		Scope
IE000472 T34.36	75528	332097	75488	332060	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T34.37	75488	332060	75391	331994	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.38	75391	331994	75319	331921	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T34.39	75319	331921	75298	331900	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T34.40	75298	331900	75228	331834	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000472 T34.41	75228	331834	75167	331772	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000472 T34.42	75167	331772	75038	331649	Sand	Other		Scope
IE000472 T34.43	75038	331649	74964	331584	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.44	74964	331584	74909	331530	Sand	Other		Scope
IE000472 T34.45	74909	331530	74845	331468	Sand	Other	With <i>Ostrea edulis</i> shell	Scope
IE000472 T34.46	74845	331468	74827	331532	Sand	Other		Scope
IE000472 T34.47	74827	331532	74889	331650	Sand	Other	With <i>Ostrea edulis</i> shell	Scope
IE000472 T34.48	74889	331650	74924	331730	Sand	Other		Scope
IE000472 T34.49	74924	331730	74941	331839	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T34.50	74941	331839	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35	75170	332222	75168	332243	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T35.1	75168	332243	75178	332234	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T35.2	75178	332234	75227	332174	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T35.3	75227	332174	75277	332123	Sand	Other		Scope

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IE000472 T35.4	75277	332123	75312	332091	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000472 T35.5	75312	332091	75322	332080	Sand	Other		Scope
IE000472 T35.6	75322	332080	75356	332051	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35.7	75356	332051	75398	332021	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35.8	75398	332021	75439	331993	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35.9	75439	331993	75471	331972	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35.10	75471	331972	75543	331920	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35.11	75543	331920	75558	331909	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35.12	75558	331909	75575	331899	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T35.13	75575	331899	75619	331875	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35.14	75619	331875	75644	331858	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35.15	75644	331858	75676	331839	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000472 T35.16	75676	331839	75713	331817	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000472 T35.17	75713	331817	75733	331804	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE000472 T35.18	75733	331804	75745	331796	Sand	Other	With macroalgae	Scope
IE000472 T35.19	75745	331796	End Point	End Point	Sand	Other		Scope
IE000472 T36	82393	338760	82353	338785	Sand	Other		Scope
IE000472 T36.1	82353	338785	82344	338778	Sand	Other		Scope
IE000472 T36.2	82344	338778	82357	338800	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional		Scope
IE000472 T36.3	82357	338800	82409	338771	Sand	Other		Scope
IE000472 T36.4	82409	338771	82416	338709	Sand	Other		Scope
IE000472 T36.5	82416	338709	82413	338678	Sand	Other		Scope
IE000472 T36.6	82413	338678	82444	338612	Sand	Other		Scope
IE000472 T36.7	82444	338612	82446	338533	Sand	Other		Scope
IE000472 T36.8	82446	338533	82442	338496	Sand	Other		Scope
IE000472 T36.9	82442	338496	82421	338469	Sand	Other	With <i>Ulva lactuca</i>	Scope
IE000472 T36.10	82421	338469	82424	338417	Sand	Other	With cobbles and <i>Fucus vesiculosus</i>	Scope
IE000472 T36.11	82424	338417	82415	338398	Sand	Other		Scope
IE000472 T36.12	82415	338398	82368	338371	Sand	Other		Scope
IE000472 T36.13	82368	338371	82296	338366	Sand	Other		Scope
IE000472 T36.14	82296	338366	82258	338389	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T36.15	82258	338389	82218	338403	Sand	Other		Scope
IE000472 T36.16	82218	338403	82218	338395	Sand	Other		Scope
IE000472 T36.17	82218	338395	82246	338367	Sand	Other		Scope
IE000472 T36.18	82246	338367	82289	338301	Sand	Other	With <i>Ulva lactuca</i> and <i>Arenicola marina</i>	Scope
IE000472 T36.19	82289	338301	End Point	End Point	Sand	Other		Scope
IE000472 T37	82347	338188	82374	338130	Sand	Other		Scope
IE000472 T37.1	82374	338130	82419	338075	Sand	Other		Scope
IE000472 T37.2	82419	338075	82506	337988	Sand	Other		Scope
IE000472 T37.3	82506	337988	82578	337914	Sand	Other		Scope
IE000472 T37.4	82578	337914	82637	337842	Sand	Other		Scope
IE000472 T37.5	82637	337842	82734	337727	Sand	Other		Scope
IE000472 T37.6	82734	337727	82775	337665	Sand	Other		Scope
IE000472 T37.7	82775	337665	82767	337619	Sand	Other		Scope
IE000472 T37.8	82767	337619	82674	337491	Sand	Other		Scope
IE000472 T37.9	82674	337491	82625	337361	Sand	Other		Scope
IE000472 T37.10	82625	337361	End Point	End Point	Sand	Other		Scope
IE000472 T38	83033	336992	83077	336925	Sand	Other		Scope
IE000472 T38.1	83077	336925	83105	336889	Sand	Other		Scope
IE000472 T38.2	83105	336889	83168	336846	Sand	Other		Scope
IE000472 T38.3	83168	336846	83247	336819	Sand	Other		Scope
IE000472 T38.4	83247	336819	83356	336807	Sand	Other		Scope
IE000472 T38.5	83356	336807	83431	336783	Sand	Other		Scope
IE000472 T38.6	83431	336783	83519	336751	Sand	Other		Scope
IE000472 T38.7	83519	336751	83575	336707	Sand	Other		Scope
IE000472 T38.8	83575	336707	83683	336681	Sand	Other		Scope
IE000472 T38.9	83683	336681	83764	336662	Sand	Other		Scope
IE000472 T38.10	83764	336662	83885	336642	Sand	Other		Scope
IE000472 T38.11	83885	336642	83939	336631	Sand	Other		Scope
IE000472 T38.12	83939	336631	84009	336619	Sand	Other		Scope
IE000472 T38.13	84009	336619	84059	336598	Sand	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000472 T38.14	84059	336598	84147	336571	Sand	Other		Scope
IE000472 T38.15	84147	336571	84192	336596	Sand	Other		Scope
IE000472 T38.16	84192	336596	84244	336636	Sand	Other		Scope
IE000472 T38.17	84244	336636	84294	336652	Sand	Other		Scope
IE000472 T38.18	84294	336652	84436	336624	Sand	Other	Muddy sand	Scope
IE000472 T38.19	84436	336624	84507	336645	Sand	Other	Muddy sand	Scope
IE000472 T38.20	84507	336645	84536	336707	Sand	Other	Muddy sand	Scope
IE000472 T38.21	84536	336707	84508	336768	Sand	Other		Scope
IE000472 T38.22	84508	336768	84480	336791	Sand	Other		Scope
IE000472 T38.23	84480	336791	84438	336820	Sand	Other		Scope
IE000472 T38.24	84438	336820	84397	336858	Sand	Other		Scope
IE000472 T38.25	84397	336858	84319	336887	Sand	Other		Scope
IE000472 T38.26	84319	336887	84176	336933	Sand	Other		Scope
IE000472 T38.27	84176	336933	84063	336980	Sand	Other		Scope
IE000472 T38.28	84063	336980	83945	337011	Sand	Other		Scope
IE000472 T38.29	83945	337011	83809	336973	Sand	Other		Scope
IE000472 T38.30	83809	336973	83716	336944	Sand	Other		Scope
IE000472 T38.31	83716	336944	83545	337006	Sand	Other		Scope
IE000472 T38.32	83545	337006	83430	337056	Sand	Other		Scope
IE000472 T38.33	83430	337056	83362	337156	Sand	Other		Scope
IE000472 T38.34	83362	337156	83269	337259	Sand	Other		Scope
IE000472 T38.35	83269	337259	83146	337275	Sand	Other		Scope
IE000472 T38.36	83146	337275	83050	337262	Sand	Other		Scope
IE000472 T38.37	83050	337262	82952	337218	Sand	Other		Scope
IE000472 T38.38	82952	337218	82857	337217	Sand	Other		Scope
IE000472 T38.39	82857	337217	End Point	End Point	Sand	Other		Scope
IE000472 T39	77694	335198	End Point	End Point	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Stills photography and video recorded at this position	Dive
IE000472 T40	76810	336190	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	Stills photography and video recorded at this position	Dive
IE000472 T41	73821	331844	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	Stills photography and video recorded at this position	Dive
IE000472 T42	76623	334842	End	End Point	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Stills photography and video recorded at this position	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
			Point					
IE002262 T1	37512	73328	37774	73310	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl in alternating bands	Dive
IE002262 T1.1	37774	73310	38154	73306	Rock	Other	Rocky reef	Dive
IE002262 T1.2	38154	73306	38417	73473	Sand	Other	Muddy sand with 10 percent cover of living and dead maerl	Dive
IE002262 T1.3	38417	73473	End Point	End Point	Sand	Other	Muddy sand with 10 percent cover of dead maerl	Dive
IE002262 T2	37756	73210	37757	73240	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl	Dive
IE002262 T2.1	37757	73240	End Point	End Point	Mud	Other	Mud with 20 percent cover of living and dead maerl	Dive
IE002262 T3	37759	73238	37920	73198	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl	Dive
IE002262 T3.1	37920	73198	38110	73187	Sand	Other		Dive
IE002262 T3.2	38110	73187	End Point	End Point	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	Sandy mud with <i>Sabella pavonina</i> Occasional, <i>Chorda filum</i> and <i>Pecten maximus</i>	Dive
IE002262 T4	37640	73528	37586	73415	Mud	Other		Dive
IE002262 T4.1	37586	73415	38016	73357	Maerl Living and Dead	Maerl Living and Dead	90 percent cover of 90 percent living and 10 percent dead maerl with <i>Sargassum muticum</i> Occasional and <i>Pecten maximus</i> Frequent	Dive
IE002262 T4.2	38016	73357	End Point	End Point	Sand	Other	Gravel and sand with cobbles and <i>Chorda filum</i>	Dive
IE002262 T5	37291	73444	37332	73411	Sand	Other		Dive
IE002262 T5.1	37332	73411	37342	73349	Maerl Living and Dead	Maerl Living and Dead	90 percent cover of 90 percent living and 10 percent dead maerl	Dive
IE002262 T5.2	37342	73349	37353	73343	Sand	Other	Shelly sand	Dive
IE002262 T5.3	37353	73343	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	90 percent cover of 90 percent living and 10 percent dead maerl	Dive
IE002262 T6	37461	73086	37441	73207	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	Muddy sand with <i>Sabella pavonina</i> Occasional	Dive
IE002262 T6.1	37441	73207	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl	Dive
IE002262 T7	37619	73072	37527	73241	Mud	Other		Dive
IE002262 T7.1	37527	73241	End Point	End Point	Maerl Living and Dead and <i>Sabella pavonina</i> Occasional	Maerl Living and Dead and <i>Sabella pavonina</i> Occasional	With <i>Sabella pavonina</i> Occasional and <i>Lanice conchilega</i> Occasional	Dive
IE002262 T8	37294	73188	37460	73300	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl	Dive
IE002262 T8.1	37460	73300	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002262 T9	37797	73480	37862	73395	Gravel	Other	Gravel and cobble	Dive
IE002262 T9.1	37862	73395	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	30 percent living and 70 percent dead maerl	Dive
IE002262 T10	37085	73312	37076	73268	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	Mud with <i>Sabella pavonina</i> Occasional	Dive
IE002262 T10.1	37076	73268	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	30 percent cover of 30 percent living and 70 percent dead maerl	Dive
IE002262 T11	37272	73072	37226	73112	Mud	Other	Mud with <i>Arenicola marina</i>	Dive
IE002262 T11.1	37226	73112	End Point	End Point	Maerl Living	Maerl Living	With macroalgae	Dive
IE002262 T12	36917	73142	36905	73069	Maerl Living	Maerl Living		Dive
IE002262 T12.1	36905	73069	End Point	End Point	Mud	Other	With macroalgae	Dive
IE002262 T13	36779	73305	36773	73243	Mud	Other	With <i>Chorda filum</i>	Dive
IE002262 T13.1	36773	73243	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl	Dive
IE002262 T14	36758	73226	36502	73270	Maerl Living and Dead	Maerl Living and Dead		Dive
IE002262 T14.1	36502	73270	36274	73160	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl	Dive
IE002262 T14.2	36274	73160	35982	73081	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl	Dive
IE002262 T14.3	35982	73081	35910	73077	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl	Dive
IE002262 T14.4	35910	73077	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl in alternating bands with <i>Pecten maximus</i> Occasional	Dive
IE002262 T15	35895	73107	35630	73219	Maerl Living and Dead	Maerl Living and Dead	50 percent living and 50 percent dead maerl in alternating bands	Dive
IE002262 T15.1	35630	73219	End Point	End Point	Sand	Other		Dive
IE002262 T16	35752	73176	35747	73116	Maerl Living and Dead	Maerl Living and Dead	60 percent cover of 70 percent living and 30 percent dead maerl	Dive
IE002262 T16.1	35747	73116	End Point	End Point	Mud	Other		Dive
IE002262 T17	35739	73190	35756	73281	Sand	Other		Dive
IE002262 T17.1	35756	73281	End Point	End Point	Sand	Other		Dive
IE002262 T18	40719	77366	40622	77294	Sand	Other		Dive
IE002262 T18.1	40622	77294	End Point	End Point	Rock	Other		Dive
IE002262 T19	40649	77348	40694	77377	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002262 T19.1	40694	77377	End Point	End Point	Sand	Other		Dive
IE002262 T20	40674	77374	40640	77567	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive
IE002262 T20.1	40640	77567	End Point	End Point	Sand	Other		Dive
IE002262 T21	40665	77572	40613	77537	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Dive
IE002262 T21.1	40613	77537	End Point	End Point	Rock	Other		Dive
IE002262 T22	40613	77537	40628	77566	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Dive
IE002262 T22.1	40628	77566	End Point	End Point	Sand	Other		Dive
IE002262 T23	41825	78042	41831	78079	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002262 T23.1	41831	78079	41840	78146	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	With kelp	Scope
IE002262 T23.2	41840	78146	41848	78155	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002262 T23.3	41848	78155	41889	78202	Kelp	Other		Scope
IE002262 T23.4	41889	78202	41926	78222	Kelp	Other		Scope
IE002262 T23.5	41926	78222	41963	78231	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE002262 T23.6	41963	78231	42006	78229	Kelp	Other		Scope
IE002262 T23.7	42006	78229	42023	78227	Kelp	Other		Scope
IE002262 T23.8	42023	78227	42044	78244	Mud	Other	With macroalgae and <i>Ulva lactuca</i>	Scope
IE002262 T23.9	42044	78244	42076	78285	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE002262 T23.10	42076	78285	42084	78298	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002262 T23.11	42084	78298	42105	78333	Mud	Other		Scope
IE002262 T23.12	42105	78333	42119	78393	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T23.13	42119	78393	42119	78414	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE002262 T23.14	42119	78414	42126	78433	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002262 T23.15	42126	78433	42168	78466	Mud	Other		Scope
IE002262 T23.16	42168	78466	42203	78486	Mud	Other		Scope
IE002262 T23.17	42203	78486	42269	78506	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T23.18	42269	78506	42306	78512	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002262 T23.19	42306	78512	42386	78499	Mud	Other		Scope
IE002262 T23.20	42386	78499	42489	78466	Mud	Other		Scope
IE002262 T23.21	42489	78466	42583	78428	Mud	Other		Scope
IE002262 T23.22	42583	78428	42636	78410	Mud	Other		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002262 T23.23	42636	78410	42606	78393	Sand	Other		Scope
IE002262 T23.24	42606	78393	42553	78394	Sand	Other		Scope
IE002262 T23.25	42553	78394	42372	78471	Sand	Other		Scope
IE002262 T23.26	42372	78471	End Point	End Point	Sand	Other		Scope
IE002262 T24	42120	78408	42166	78388	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent but very silted over on mud with <i>Myxicola infundibulum</i>	Dive
IE002262 T24.1	42166	78388	End Point	End Point	Mud	Other	With <i>Myxicola infundibulum</i>	Dive
IE002262 T25	42062	78283	42091	78232	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE002262 T25.2	42091	78232	End Point	End Point	Mud	Other		Dive
IE002262 T26	41938	78281	41958	78260	Rock	Other	With <i>Fucus vesiculosus</i> , <i>Chorda filum</i> and <i>Ulva lactuca</i>	Dive
IE002262 T26.1	41958	78260	41985	78211	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Dive
IE002262 T26.2	41985	78211	41976	78151	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With very dense cover of <i>Chorda filum</i>	Dive
IE002262 T26.3	41976	78151	End Point	End Point	Mud	Other	Mud and gravel	Dive
IE002262 T27	41794	78119	41892	78069	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Dive
IE002262 T27.2	41892	78069	End Point	End Point	Mud	Other	Mud and gravel and kelp	Dive
IE002262 T28	41787	78027	41836	77940	Rock	Other	With kelp	Dive
IE002262 T28.1	41836	77940	End Point	End Point	Rock	Other	Boulders, cobble and kelp	Dive
IE002262 T29	42506	77492	42541	77499	Rock	Other	With kelp	Scope
IE002262 T29.1	42541	77499	42568	77500	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002262 T29.2	42568	77500	42607	77501	Kelp	Other		Scope
IE002262 T29.3	42607	77501	42627	77504	Kelp	Other		Scope
IE002262 T29.4	42627	77504	42672	77499	Kelp	Other	With <i>Chorda filum</i>	Scope
IE002262 T29.5	42672	77499	42720	77507	Kelp	Other		Scope
IE002262 T29.6	42720	77507	42748	77508	Sand	Other	Muddy sand	Scope
IE002262 T29.7	42748	77508	42769	77504	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T29.8	42769	77504	42793	77500	Gravel	Other		Scope
IE002262 T29.9	42793	77500	42839	77477	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002262 T29.10	42839	77477	42863	77446	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T29.11	42863	77446	End	End Point	Sand	Other	Vision through scope insufficient to view seabed	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
			Point					
IE002262 T30	42576	76368	42746	76392	Mud	Other		Dive
IE002262 T30.1	42746	76392	End Point	End Point	Mud	Other	With <i>Arenicola marina</i> and <i>Myxicola infundibulum</i>	Dive
IE002262 T31	42653	76687	42761	76705	Mud	Other		Dive
IE002262 T31.1	42761	76705	End Point	End Point	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional on mud with <i>Myxicola infundibulum</i> and macroalgae	Dive
IE002262 T32	42876	76997	42753	77036	Mud	Other		Dive
IE002262 T32.1	42753	77036	End Point	End Point	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> Frequent	<i>Sabella pavonina</i> Frequent on mud with <i>Myxicola infundibulum</i> Abundant	Dive
IE002262 T33	42938	77138	42798	77157	Mud	Other		Dive
IE002262 T33.1	42798	77157	End Point	End Point	Mud	Other		Dive
IE002262 T34	42754	77166	42837	77156	Mud	Other		Dive
IE002262 T34.1	42837	77156	End Point	End Point	Mud	Other		Dive
IE002262 T35	42738	77257	42858	77329	Mud	Other		Dive
IE002262 T35.1	42858	77329	End Point	End Point	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional on mud with <i>Myxicola infundibulum</i> and <i>Cerianthus lloydii</i>	Dive
IE002262 T36	35744	73064	35641	73167	Rock	Other		Dive
IE002262 T36.1	35641	73167	End Point	End Point	Rock	Other		Dive
IE002262 T37	35745	73057	End Point	End Point	Rock	Other		Dive
IE002262 T38	35363	73186	35270	73237	Sand	Other		Dive
IE002262 T38.1	35270	73237	End Point	End Point	Sand	Other		Dive
IE002262 T39	35898	73013	35871	73026	Mud	Other	With gravel	Dive
IE002262 T39.1	35871	73026	End Point	End Point	Mud	Other	With gravel	Dive
IE002262 T40	35923	73123	35910	73031	Maerl Living	Maerl Living	80 percent cover of living maerl	Dive
IE002262 T40.1	35910	73031	End Point	End Point	Mud	Other	With shell and gravel	Dive
IE002262 T41	36126	73083	36132	73025	Maerl Living and Dead	Maerl Living and Dead	80 percent living 20 percent dead maerl	Dive
IE002262 T41.1	36132	73025	End Point	End Point	Mud	Other	With gravel and kelp	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002262 T42	36357	73171	36360	73105	Maerl Living and Dead	Maerl Living and Dead	50 percent living 50 percent dead maerl	Dive
IE002262 T42.1	36360	73105	End Point	End Point	Mud	Other	With gravel	Dive
IE002262 T43	36571	73247	36564	73185	Maerl Living and Dead	Maerl Living and Dead	50 percent living 50 percent dead maerl with some patches of 100 percent living maerl	Dive
IE002262 T43.1	36564	73185	End Point	End Point	Mud	Other	With gravel and shell	Dive
IE002262 T44	36793	73208	36778	73148	Maerl Living and Dead	Maerl Living and Dead	50 percent living 50 percent dead maerl with some patches of 100 percent living maerl	Dive
IE002262 T44.1	36778	73148	End Point	End Point	Mud	Other	With gravel with filamentous green and red algae	Dive
IE002262 T45	36913	73171	36910	73077	Maerl Living	Maerl Living	90 percent cover of 90 percent living maerl with shell	Dive
IE002262 T45.1	36910	73077	End Point	End Point	Sand	Other	With <i>Sargassum muticum</i> and <i>Ulva lactuca</i>	Dive
IE002262 T46	42750	77520	42742	77557	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T46.1	42760	77520	42766	77521	Sand	Other		Scope
IE002262 T46.2	42766	77521	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T47	42768	77510	42799	77551	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T47.1	42799	77551	End Point	End Point	Sand	Other		Scope
IE002262 T48	42706	77509	42674	77478	Mud	Other		Scope
IE002262 T48.1	42674	77478	42652	77473	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002262 T48.2	42652	77473	42606	77463	Mud	Other	With macroalgae	Scope
IE002262 T48.3	42606	77463	42582	77483	Mud	Other	With macroalgae	Scope
IE002262 T48.4	42582	77483	42562	77477	Gravel	Other		Scope
IE002262 T48.5	42562	77477	42535	77494	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T48.6	42535	77494	42484	77528	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE002262 T48.7	42484	77528	42456	77539	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T48.8	42456	77539	End Point	End Point	Mud	Other		Scope
IE002262 T49	42426	77532	42409	77526	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Dive
IE002262 T49.1	42409	77526	42431	77497	Mud	Other	With macroalgae	Dive
IE002262 T49.2	42431	77497	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Dive
IE002262 T50	42439	77488	42287	77538	Mud	Other		Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002262 T50.1	42287	77538	42383	77616	Mud	Other		Dive
IE002262 T50.2	42383	77616	42390	77492	Mud	Other		Dive
IE002262 T50.3	42390	77492	End Point	End Point	Mud	Other	With macroalgae	Dive
IE002262 T51	42523	77602	42553	77559	Mud	Other		Dive
IE002262 T51.1	42553	77559	42529	77528	Mud	Other	With macroalgae	Dive
IE002262 T51.2	42529	77528	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Dive
IE002262 T52	43396	76771	43705	76649	Mud	Other		Dive
IE002262 T52.1	43705	76649	End Point	End Point	Mud	Other	With <i>Lanice conchilega</i> and <i>Myxicola infundibulum</i>	Dive
IE002262 T53	43498	76705	43856	76670	Mud	Other		Dive
IE002262 T53.1	43856	76670	End Point	End Point	Mud	Other	With <i>Myxicola infundibulum</i> , Ascidians and <i>Cereus pedunculatus</i>	Dive
IE002262 T54	43106	76580	43134	76778	Mud	Other		Dive
IE002262 T54.1	43134	76778	End Point	End Point	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	Mud with <i>Cerianthus lloydii</i> , <i>Sabella pavonina</i> Occasional, <i>Myxicola infundibulum</i> and <i>Eupolyommia nebulosa</i>	Dive
IE002262 T55	43295	76741	43054	76710	Mud	Other		Dive
IE002262 T55.1	43054	76710	End Point	End Point	Mud	Other	Mud with <i>Lanice conchilega</i> and <i>Myxicola infundibulum</i>	Dive
IE002262 T56	43132	76093	43142	76109	Mud	Other		Dive
IE002262 T56.1	43142	76109	43317	76096	<i>Virgularia mirabilis</i> Present	<i>Virgularia mirabilis</i> Present	Only one individual of <i>Virgularia mirabilis</i> recorded	Dive
IE002262 T56.2	43317	76096	End Point	End Point	<i>Virgularia mirabilis</i> Occasional	<i>Virgularia mirabilis</i> Occasional	Eleven individuals of <i>Virgularia mirabilis</i> recorded	Dive
IE002262 T57	43213	76111	43176	75923	Mud	Other		Dive
IE002262 T57.1	43176	75923	End Point	End Point	<i>Sabella pavonina</i> Occasional	<i>Sabella pavonina</i> Occasional	Mud with <i>Sabella pavonina</i> Occasional and <i>Myxicola infundibulum</i>	Dive
IE002262 T58	42756	77669	42855	77650	Mud	Other	Sandy mud	Dive
IE002262 T58.1	42855	77650	End Point	End Point	Mud	Other	Sandy mud with broken shell and hydroids	Dive
IE002262 T59	43215	76331	43082	76565	Mud	Other		Dive
IE002262 T59.1	43082	76565	End Point	End Point	Mud	Other		Dive
IE002262 T60	43101	76863	43043	77057	Mud	Other	With filamentous green algae and <i>Myxicola infundibulum</i> Abundant	Dive

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002262 T60.1	43043	77057	End Point	End Point	Mud	Other	With filamentous green algae and <i>Myxicola infundibulum</i> Abundant	Dive
IE002262 T61	44146	76699	44225	76768	<i>Sabella pavonina</i> Rare	<i>Sabella pavonina</i> Rare	Mud with <i>Sabella pavonina</i> Rare, <i>Myxicola infundibulum</i> Abundant and <i>Philine aperta</i> Abundant	Dive
IE002262 T61.1	44225	76768	End Point	End Point	<i>Sabella pavonina</i> Rare	<i>Sabella pavonina</i> Rare	Mud with <i>Sabella pavonina</i> Rare, <i>Myxicola infundibulum</i> Abundant and <i>Philine aperta</i> Abundant	Dive
IE002262 T62	43484	77029	43604	77069	<i>Sabella pavonina</i> Rare	<i>Sabella pavonina</i> Rare	Mud with <i>Sabella pavonina</i> Rare, <i>Myxicola infundibulum</i> Abundant	Dive
IE002262 T62.1	43604	77069	End Point	End Point	<i>Sabella pavonina</i> Rare	<i>Sabella pavonina</i> Rare	Mud with <i>Sabella pavonina</i> Rare, <i>Myxicola infundibulum</i> Abundant	Dive
IE002262 T63	35702	72955	35701	72934	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Dive
IE002262 T63.1	35701	72934	35697	72899	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T63.2	35697	72899	35696	72887	Sand	Other		Scope
IE002262 T63.3	35696	72887	35691	72869	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T63.4	35691	72869	35688	72852	Sand	Other	With macroalgae	Scope
IE002262 T63.5	35688	72852	End Point	End Point	Sand	Other		Scope
IE002262 T64	35679	72888	35654	72907	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002262 T64.1	35654	72907	35654	72924	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T64.2	35654	72924	35655	72956	Sand	Other		Scope
IE002262 T64.3	35655	72956	35656	72974	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002262 T64.4	35656	72974	35657	72990	Sand	Other	With macroalgae	Scope
IE002262 T64.5	35657	72990	35660	73006	Sand	Other		Scope
IE002262 T64.6	35660	73006	35661	73019	Sand	Other	With macroalgae	Scope
IE002262 T64.7	35661	73019	End Point	End Point	Kelp	Other		Scope
IE002262 T65	35732	72998	35736	72939	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002262 T65.1	35736	72939	35749	72869	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002262 T65.2	35749	72869	35762	72846	Rock	Other		Scope
IE002262 T65.3	35762	72846	35765	72838	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T65.4	35765	72838	35767	72810	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002262 T65.5	35767	72810	35775	72780	Sand	Other	With macroalgae	Scope
IE002262 T65.6	35775	72780	35803	72824	Sand	Other	With macroalgae	Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002262 T65.7	35803	72824	35804	72834	Sand	Other	With macroalgae	Scope
IE002262 T65.8	35804	72834	35805	72844	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE002262 T65.9	35805	72844	35829	72906	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002262 T65.10	35829	72906	End Point	End Point	Sand	Other		Scope
IE002262 T66	35871	72919	35851	72866	Sand	Other		Scope
IE002262 T66.1	35851	72866	35847	72833	Sand	Other	With macroalgae	Scope
IE002262 T66.2	35847	72833	35847	72818	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002262 T66.3	35847	72818	35877	72832	Sand	Other	With macroalgae	Scope
IE002262 T66.4	35877	72832	35887	72846	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T66.5	35887	72846	35907	72876	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002262 T66.6	35907	72876	35930	72913	Sand	Other		Scope
IE002262 T66.7	35930	72913	35969	72930	Sand	Other		Scope
IE002262 T66.8	35969	72930	36019	72928	Sand	Other	With macroalgae	Scope
IE002262 T66.9	36019	72928	36041	72920	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T66.10	36041	72920	36056	72912	Sand	Other		Scope
IE002262 T66.11	36056	72912	36072	72904	Sand	Other		Scope
IE002262 T66.12	36072	72904	36164	72926	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE002262 T66.13	36164	72926	36175	72930	Sand	Other		Scope
IE002262 T66.14	36175	72930	36187	72939	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002262 T66.15	36187	72939	36242	72975	Sand	Other	With macroalgae	Scope
IE002262 T66.16	36242	72975	36274	72981	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002262 T66.17	36274	72981	36318	72978	Rock	Other		Scope
IE002262 T66.18	36318	72978	36342	72979	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE002262 T66.19	36342	72979	36391	72975	Sand	Other	With macroalgae	Scope
IE002262 T66.20	36391	72975	36414	73001	Sand	Other	With macroalgae	Scope
IE002262 T66.21	36414	73001	36402	73026	Sand	Other	With macroalgae	Scope
IE002262 T66.22	36402	73026	36386	73027	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002262 T66.23	36386	73027	36336	73005	Sand	Other		Scope
IE002262 T66.24	36336	73005	36318	73005	Sand	Other		Scope
IE002262 T66.25	36318	73005	36307	73005	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002262 T66.26	36307	73005	36298	73005	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope

Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002262 T66.27	36298	73005	36283	73000	Sand	Other	With macroalgae	Scope
IE002262 T66.28	36283	73000	36285	72982	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE002262 T66.29	36285	72982	36205	72989	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE002262 T66.30	36205	72989	36196	72992	Kelp	Other		Scope
IE002262 T66.31	36196	72992	36183	72998	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T66.32	36183	72998	36149	72995	Sand	Other	With macroalgae	Scope
IE002262 T66.33	36149	72995	36124	72995	Sand	Other	With macroalgae	Scope
IE002262 T66.34	36124	72995	End Point	End Point	Sand	Other		Scope
IE002262 T67	36070	72957	36040	72944	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T67.1	36040	72944	36023	72945	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE002262 T67.2	36023	72945	36002	72939	Sand	Other		Scope
IE002262 T67.3	36002	72939	35980	72918	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T67.4	35980	72918	35979	72915	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T67.5	35979	72915	35943	72900	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002262 T67.6	35943	72900	35923	72893	Kelp	Other		Scope
IE002262 T67.7	35923	72893	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002262 T68	35701	72916	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	Stills photography and video recorded at this position	Dive
IE002262 T116	37700	73378	End Point	End Point	Maerl Living and Dead	Maerl Living and Dead	Stills photography and video recorded at this position	Dive
IE002262 T117	36669	73315	End Point	End Point	Mud	Other	Stills photography recorded at this position. This site consisted of mud with a very rich infauna and epifauna	Dive
IE002262 T122	42673	77478	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	Stills photography and video recorded at this position	Dive
IE002262 T123	41986	78212	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	Stills photography and video recorded at this position	Dive
IE002262 T124	40638	77414	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	Stills photography and video recorded at this position	Dive