



**MERC Consultants**  
environmental and conservation services

## Report

### Surveys of sensitive subtidal benthic communities in

- Slyne Head Peninsula SAC
- Clew Bay Complex SAC
- Galway Bay Complex SAC



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## 1. Introduction

In furtherance of its policy of developing enhanced tools for managing Ireland's marine Special Areas of Conservation (SACs), in 2006 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 west coast of Ireland. The study followed on from similar work conducted during 2005 in the Kilkieran Bay and Islands and Kingstown Bay SACs.

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 maërl forming calcareous algae including *Lithothamnion corallioides*, *Phymatolithon calcareum*<sup>1</sup>
- communities of the polychaetes *Janice 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*.

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.

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.

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

The specific objectives of the 2006 study were to:

- ground-truth data on the distribution of maerl, *Zostera marina* and burrowing mega fauna within the sites
- map the distribution of seagrass *Zostera marina*
- provide estimates of the density of *Zostera marina* beds and of specified megafaunal communities
- map the distribution of maerl communities
- map the distribution of specific megafaunal communities (see above)

Three SACs were selected for survey during 2006:

- Slyne Head Peninsula SAC, Site Code 2074
- Clew Bay Complex SAC Site Code 1482
- Galway Bay Complex SAC Site Code 268

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 Slyne Head Peninsula SAC, Site Code 2074

Slyne Head Peninsula SAC is located in northwest Connemara, Co Galway. This mainly terrestrial site contains a wide range of habitats, at least eighteen of which are considered to be of conservation importance in the context of the Habitats Directive. Of these, three are considered to be *Priority habitats*. The Annex I habitats recorded within the site are:

- Coastal Lagoons (1150)\*
- Machair (21A0)\*
- Semi-natural dry grasslands and scrubland facies on calcareous substrates (*Festuco-Brometalia*) (6210)\*
- Lowland hay meadows (*Alopecurus pratensis*, *Sanguisorba officinalis*) (6510)
- Alkaline fen (7230)
- *Molinia* meadows on calcareous, peaty or clayey-silt-laden soils (*Molinion caeruleae*) (6410)
- Juniper scrub *Juniperus communis* formations on heaths or calcareous grasslands (5130)
- Perennial vegetation of stony banks (1220)
- Annual vegetation of drift lines (1210)
- European dry heaths (4030)
- Embryonic shifting dunes (2110)
- Marram “Grey” dunes (2130)\*
- Atlantic saltmeadows (*Glauco-Puccinellietalia maritimae*) (1330)
- Mediterranean saltmeadows (*Juncetalia maritimi*) (1410)
- Oligotrophic waters containing very few minerals of sandy plains (*Littorelletalia uniflorae*) (3110)
- Hard oligo-mesotrophic waters with benthic vegetation of *Chara* spp. (3140)
- Reefs (1170)
- Large shallow inlets and bays (1160)

\* *Priority habitats*

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

- Liverwort
- Petalwort
- Slender naiad

all of which are species listed under Annex II of the E.U. Habitats Directive.

The site also contains an important breeding colony of Grey Seal *Halichoerus grypus*, a species listed on Annex II of the EU Habitats Directive.

The marine area, which lies within the Slyne Head Peninsula SAC, is comprised of Mannin Bay, which lies in the northern part of the site. The focus of the present study has therefore been to investigate the subtidal communities of this part of the site.

The islets and rocks at the mouth of Mannin Bay give some shelter from Atlantic swells and are the location of significant areas of the Annex I habitat *Reefs*. Within the site there are very good examples of intertidal reef communities that are sheltered from wave action and subject to moderate tidal streams. Sponges, anemones, tunicates and bryozoan crusts are common on vertical rock faces and under boulders. Conditions become more sheltered towards the head of the bay and are extremely sheltered in Mannin Creek. The uncommon community characterized by *Ascophyllum nodosum* var. *mackii* is found on the north side of the creek.

Mannin Bay is an excellent example of the Annex I habitat *large shallow inlets and bays*. The site encompasses a wide range of sediment types and there are a very high number of sediment communities for such a small area. Tidal streams are generally weak. Mannin Bay is almost unique as a very large proportion of the bay is dominated by a combination of maërl debris and living maërl. The two species that are most abundant in Mannin Bay are *Lithothamnion corallioides* and *Phymatolithon calcareum*. In addition *Lithophyllum fasciculatum* and *Lithophyllum dentatum* have also been recorded. In shallow water, eelgrass *Zostera marina* and maërl are found together. This is a rarely recorded combination. An unusual community characterized by the tubeworm *Sabella pavonina* has been recorded in Mannin Creek in the past. The beaches of Mannin Bay are unusual as they are almost entirely composed of maërl debris.

## 2.2 Clew Bay Complex SAC, Site Code 1482

Clew Bay Complex SAC is located in Co Mayo. This extensive site constitutes Ireland's largest marine SAC. The site contains a wide range of terrestrial and marine habitats, at least eight of which are considered to be of conservation importance in the context of the EU Habitats Directive. Of these, two are listed as *Priority habitats*. The Annex I habitats recorded within the site are:

- Large shallow inlets and bays (1160)
- Coastal Lagoons (1150)\*
- Atlantic saltmeadows (*Glauco-Puccinellietalia maritima*) (1330)
- Embryonic shifting dunes (2110)
- Perennial vegetation of stony banks (1220)
- Annual vegetation of drift lines (1210)
- Marram “Grey” dunes (2130)\*
- Humid dune slacks (2190)

\*Priority habitats

Important populations of the Annex II species Harbour Seal (*Phoca vitulina*) and European Otter (*Lutra lutra*) occur within the site.

Clew Bay Complex is an excellent example of the Annex I habitat *large shallow inlets and bays*. The site encompasses a wide range of sediment types and there are a high number of sediment communities present within the site. Tidal streams in the outer site are generally weak to moderate but can be moderate to strong in channels between the extensive networks of low lying islands, which form the inner bay. Beds of live maërl of *Lithothamnion corallioides* are present in a large number of areas, particularly in the southern part of the bay. There are extensive beds of eelgrass *Zostera marina* in the southern section of the site and in places this occurs in combination with maërl sediments.

A number of marine invertebrate species that are rarely recorded are found in Clew Bay, most notably some polychaete worm species. In sheltered areas of shallow water with little sand scour there are well-developed communities of hydroids, sponges and solitary sea squirts. Within this mostly shallow site, subtidal sediments are characterised by typical bivalve communities in fine sand.

### 2.3 Galway Bay Complex SAC, Site Code 268

Galway Bay Complex SAC comprises the entire marine area of inner Galway Bay, extending from the seafront just west of Galway city to Tawin in the middle bay and thence to a point on the shore just west of Ballyvaughan in Co Clare. Galway Bay Complex is also designated

The site contains a wide range of terrestrial and marine habitats, at least 12 of which are considered to be of conservation importance in the context of the EU Habitats Directive. Two of these are considered *Priority habitats*. Annex I habitats recorded within the site are:

- Perennial vegetation of stony banks (1220)
- Semi-natural dry grassland & scrubland facies on calcareous substrates (*Festuco bronetalia*) (6210)
- Alkaline fens (7230)

- Coastal Lagoons (1150)\*
- Atlantic Saltmeadows (*Glauco-Puccinellietalia maritima*) (1330)
- Mediterranean Saltmeadows (*Juncetalia maritima*) (1410)
- Salicornia and other annuals colonizing mud and sand (1310)
- Calcareous fens with *Cladium mariscus* and species of the caricion davallianae
- Turloughs (1160)\*
- Large shallow inlets and bays (1160)
- Reefs (1170)
- Sandflats and mudflats not covered by seawater at low-tide (1140)

\*Priority habitats

In addition, Galway Bay Complex is designated due the presence within the site of Annex II species. Both the Harbour Seal (*Phoca vitulina*) and the European Otter (*Lutra lutra*) occur within the site.

Galway Bay Complex has a number of distinctive and important subtidal communities. Of particular note is Ireland's only reported piddock bed, which occurs in the shallows of Aughinish Bay. There are extensive beds of maërl *Phymatolithon calcareum* in the strong tidal currents of Muckinish Bay. Maërl is also known to be present off Finavarra Point, in Kinvara Bay, Doorus Strait and around Tawin. Beds are known to comprise *Lithothamnion corallioides*, *Lithophyllum dentatum* and *Lithophyllum fasciculatum*. An oyster bed in Kinvara Bay and seagrass (*Zostera marina*) beds in Doorus Strait, Kinvara Bay and around Island Eddy are also important features. Other significant habitats, which occur, include secondary maërl beds and communities strongly influenced by tidal streams.



## 2.4 Existing Information on the sites

### 2.4.1 Mannin Bay, Slyne Head Peninsula SAC

No comprehensive mapping of subtidal habitats of Mannin Bay had been carried out previously. The most useful data available as a preamble to the present undertaking were as follows:

- BioMar - the BioMar survey visited Mannin Bay between September 1994 and June 1995 (Picton and Costello, 1997). A total of 16 intertidal and sublittoral sites were visited during this period with the purpose of generating habitat classifications and assigning biotopes. BioMar data revealed the presence of a wide range of mainly sedimentary habitats including cobbles, fine and coarse sands, silty sands, live and dead maërl, maërl gravel, duned maërl, fine muds (Mannin Creek). Significant areas of exposed bedrock are also confirmed.
- De Grave et al (2000) visited the site during a study of the distribution of maërl beds around Ireland and their potential for sustainable extraction. The site was surveyed using *Roxanne*. The data indicated the presence of significant quantities of maërl bearing material along survey tracks. An extensive series of grab samples were taken and this revealed a generally sandy substrate with varying quantities of maërl present. A map showing the survey track during the study was available and indicated the distribution and approximate extent of maërl bearing substrates in the site.

Other relevant scientific works also exist in relation to Mannin Bay. These include Bosence (1976 & 1979) and Keegan (1974) and mainly review aspects of maërl ecology and the faunal diversity associated with maërl beds in Co Galway, including that of Mannin Bay. DeGrave and Whitaker (1999) published a census of maërl beds in Irish waters. Bosence (1976) studies the distribution of different growth forms of maërl in Mannin Bay. Dense maërl beds were found to be restricted to less than 8m depth by light penetration and were confined to less wave-exposed parts of the bay.

### 2.4.2 Clew Bay Complex SAC

The major source of data in relation to seabed habitats and sublittoral communities within Clew Bay are the results of the Broadscale Mapping Project of Clew Bay Complex SAC conducted in 2002.

The Clew Bay broadscale mapping project was completed using *Roxanne* seabed discrimination techniques; coupled with ground-truthing using grab sampling, drop down video, towed video and scuba techniques. The major output from the broadscale mapping project was a series of maps depicting the extent and distribution of various (all sedimentary) seabed habitats within Clew Bay as well as an indication of the

associated communities present. The outputs of the Broadscale mapping project amount to a useful and significant starting point for further studies and indeed these provided the cornerstone from which fieldwork undertaken during the present study was launched.

Other significant works conducted previously in Clew Bay include:

- **BioMar**  
A total of seven intertidal sites were visited during the BioMar survey. Further sublittoral investigations were prevented by poor weather conditions. Hence data from this survey are very limited and are confined to a small number of sites accessible from the mainland. Little data from these results was of use to the present study. A number of intertidal transects indicated the sedimentary nature of most of the intertidal zone within the site. The presence of the Sand Mason *Lanice conchilega* at a number of sites is confirmed, however the data do not allow for inferences to be made in relation to the extent of these communities.
- **A Survey of Selected Littoral and Sublittoral sites in Clew Bay, Co. Mayo (Duchas, 1999).** This study visited a total of 16 subtidal sites within Clew Bay using SCUBA techniques. The study provided some data of use to the present study - several sites were identified as holding communities of the Peacock Worm *Sabella pavonina* and the Tubeworm *Serpula vermicularis*. The data do not allow for inferences to be made in relation to the extent of these communities however. The presence of significant areas of maërl within the site was also confirmed, but once again data are limited to one-off observations and reveal little in relation to extent of maërl. When the results of this study are considered along side the later broadscale-mapping project they are useful in that they provide a further degree of ground truthing to the *Roxanne* data in some instances.

#### 2.4.3 Galway Bay Complex SAC

Galway Bay Complex SAC encompasses all of the area considered to be part of 'inner' Galway Bay. In this respect the area has received much attention over the years in terms of biological investigations. These have principally taken the form of theses based research and investigations conducted as part of fisheries and/or aquaculture development initiatives.

While no studies have been completed which aimed to map the distribution and or extent of habitats and communities within the entire area, several smaller studies have been carried out over the years, the results of which have been available to the organizers of the present study.

Amongst these are:

- BioMar - A total of 14 intertidal and sub-littoral sites were visited during the BioMar survey in 1995. The survey data indicates the presence of a variety of sedimentary communities and rocky substrates within the site. Dive surveys conducted at Aughinish Shoal showed continuous maërl cover whereas dives at other locations showed patchy maërl cover. Individuals of the Sand Mason *Lanice conchilega* were recorded at Bishops Quarter Beach. The presence of *Zostera noltii* is suggested for Lough Rusheen, but is not confirmed by the survey. Both the Sand Mason (*frequent*) and the Peacock Worm *Sabella pavonina* (occasional) are recorded from the centre of Aughinish Bay. This site is also the only known site for the occurrence of the Common Piddock *Pholas dactylus* in Ireland.
- De Grave *et al* (2000) visited the site during a study of the distribution of maërl beds around Ireland and their potential for sustainable extraction. The site was surveyed using Roxanne. The data indicated the presence of significant quantities of maërl bearing material along survey tracks. Areas surveyed included Finavarra Point to Deer Island, Doorus Strait, Kinvara Bay and the Tawin area out to Henry Ledges. The survey however did not cover all parts of the Galway Bay Complex SAC and there are significant gaps in the data. A small number (7) of grab samples were taken for the purposes of ground-truthing the Roxanne data. These were collected mainly from Kinvara Bay (5 of 7 samples). These revealed the presence of mud, shelly sand and small amounts of maërl. A map showing the survey track and associated seabed classification was produced for the study and this appears to indicate the presence of sand, mud, gravel/cobble/stones and maërl over the track. The map appears to indicate a higher degree of variability in seabed type over other maërl bearing areas in Irish waters and which were surveyed as part of the same study. This would be in keeping with the findings from other studies conducted in the site over the years, which indicate that the seabed is comprised of quite a complex mosaic of subtidal habitats.
- Keegan (1984) reported on ecological monitoring studies in the Dunkellin Estuary. The study presented data collected using a van Veen grab to sample the seabed at a total of 45 stations stretching from the Dunkellin Estuary seawards as far as the mid point along the north shore of Island Eddy. The resultant data was utilized to generate a gross habitat map for the area based on an analysis of seabed sediments collected during sampling. The study provides some useful data and indeed the results indicated the presence of both maërl and *Zostera marina* at a number of sites that appear to have been unrecorded previously.
- Maggs (1983) conducted field and laboratory investigations on the seasonal changes of algae on two maërl beds in Galway Bay during 1980 and 1981. The beds were located in Carraroe and off Finavarra. The Finavarra bed was reportedly composed largely of *Lithothamnion corallioides* while the Carraroe bed comprised mainly *Phymatolithon calcareum*. The study further reports

that the maërl of Inner Galway Bay consists almost entirely of *Lithothamnion corallioides* with the exception of Muckinish Bay where the maërl deposits are in the form of large banks of living and dead *Phymatolithon calcareum*. The maërl communities were found to have several features in common with other communities on mobile substrata, such as dead shells and cobbles, including a high proportion of ephemeral species. The study does not address issues in relation to the distribution and extent of maërl beds in Galway Bay in any greater detail, however observations in relation to the distribution of maërl forming species are of relevance to any effort to conduct further investigations into subtidal maërl communities within the site.

- An Bord Iascaigh Mhara (1990) conducted a very detailed survey of some coastal zones in north Co Clare and south Co Galway. The purpose of the study was to describe and map the intertidal zone, to assess the general biophysical characteristics of different areas of foreshore, to gather coastal oceanographic baseline data and to identify regions that may be suitable for inter-tidal shellfish culture.

Since the study focused mainly on the inter-tidal zone much of the data are of limited relevance to the present study. Nevertheless some inferences in relation to subtidal seabed habitats can be made from observations made within adjacent intertidal areas. A limited number of seabed samples were taken using an anchor dredge at low tide and some idea of seabed habitats can be gleaned from this. The study also recorded species and dominant communities present in the intertidal areas.

The following areas were studied in detail:

- Muckinish Harbour – Scanlan’s Island west to Finavarra Point
- Aughinish Harbour – including Aughinish Bay and foreshore of Aughinish Island
- Kinvara Bay – Doorus Point to Mulroog Quay
- Island Eddy, south Tawin Peninsula including Lackanaloy Creek and Loughnahulla Bay

Some gross habitat maps were prepared using the data generated during the survey and these are of some general use in that they indicate seabed types on the macro scale. They are perhaps most useful to the present study in that they indicated a small number of areas where maërl or *Zostera marina* were encountered and which were considered for further investigation.

Detailed species lists for the intertidal zone indicate the occasional occurrence of individual specimens of the Sand Mason, however the numbers were not sufficiently great to be considered communities.

- Minchin (1987) completed a series of investigations at Finavarra, Co Clare. The investigations comprised a series of 20 dives using SCUBA, a total of 47 grab stations, intertidal searches and the recording of anecdotal information gleaned during personal communications with fishermen in relation to the location of crustacean and algal communities. The investigations focused on a

proposed nature conservation area at the time referred to as 'Finavarra Marine Reserve'. The investigations provide useful information on the distribution of maërl as well as the composition of maërl communities within the proposed marine reserve. Reference is also made to the locations of possible *Zostera marina* communities off Finavarra Point. Data also indicate the possible presence of a community of *Lanice conchilega* close to the entrance to Muckinish Harbour.

While comprehensive species lists are given for each sampling site, no abundance indices are given.

### **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 2005 to survey subtidal communities in a number of other SACs.

By initially taking a focused and planned approach 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.

The nature, distribution and extent of 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 subtidal communities at each site.

In addition to the reference materials 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. These data were then overlaid onto Ordnance Survey of Ireland maps, aerial photographs and Admiralty charts using ArcGIS. 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.

The approach to field work in Clew Bay Complex SAC differed somewhat to the approach taken in Slyne Head Peninsula SAC and Galway Bay Complex SAC, on account of the availability of broadscale habitat mapping data for the former site. No such broadscale mapping data was available for Slyne Head Peninsula or Galway Bay Complex. In the case of Clew Bay, the most appropriate map to base field investigations on was therefore the map of seabed communities produced by the broadscale mapping project. Observations and additional data were marked onto a hard copy of this map and where appropriate, the geographical co-ordinates of data points were lifted from the map using GIS software. By doing this it was ensured that the survey vessel could be accurately and consistently navigated to specific points, which related to the boundary or extent of seabed communities.

### 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 (DPV's)
- 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, Clew Bay Complex SAC

As all broadscale mapping transects had been conducted in water too deep to allow effective use of surface observations for ground-truthing, most of the habitat boundaries shown on the broadscale map were ground-truthed using SCUBA. The boundaries of large areas of habitat as indicated on broadscale maps were verified by selecting a number of transect start points appropriate to the size of the broadscale indicated habitat area. Transect start points were generally located within the boundary of indicated habitat however occasionally start points were selected outside of the indicated habitat area. Having descended at the selected point, the surveying diver 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 by the surveying diver. The diver would then surface along the marker buoy and positional data would be recorded from the survey vessel as it moved alongside to pick up the diver. The location and number of transects completed as part of the ground-truthing varied according to the degree that data from ground truthing concurred with the broadscale mapping data. Where there was a high degree of consistency between the two methods, 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.

Spot dives were also conducted at sites where broadscale data indicated the presence of very small areas (c. < 2 ha), in order to provide point source verification observations. Due to the small area of most of these sites, spot dives were deemed adequate to verify previous mapping.

Use was also made of the sub-surface viewer in Clew Bay complex SAC, mostly for the purpose of mapping previously unrecorded *Zostera marina* beds, but also for extending the broadscale community boundaries into shallower waters that had not been covered during the Broadscale field survey. Boundaries were often extended right into the edge of the subtidal in this manner.

### 3.6 Field survey of *Zostera marina* and maërl communities at Slyne Head Peninsula and Galway Bay Complex SACs

The absence of broadscale mapping data was an important consideration in the survey of Slyne Head Peninsula and Galway Bay, as transect spacing needed to be adaptable in order to record, as accurately as possible, the distribution and extent of subtidal communities that would be encountered. The nature of the study, considerations of efficiency and best use of time dictated that the use of a fixed transect spacing was not suitable.

Accordingly, the initial transect spacing was maximized at between 300 and 500 meters. Where a significant change in seabed community was recorded between parallel transect lines, a transect running perpendicular to the two was conducted in order to determine more precisely the point of change. Transect lines were generally selected in order to run perpendicular to the known or likely boundaries. Boundaries



of seabed communities were frequently found to coincide with physical or hydrographic features such as bathymetric contours or tidal flows.

Using these transect selection criteria, transect spacing was adapted in order to provide efficient coverage, while providing an acceptable degree of resolution.

While in the field, frequent reference was made to sources of data and information on the location of sensitive subtidal communities at each site. Where geo-referenced records existed, the survey vessel was navigated to the relevant points and observations and recordings on seabed communities present were carried out using standard techniques.

For non geo-referenced records, an initial assessment would be made in the described area using extended SCUBA transects or ‘seabed viewer’ transects with the aim of locating the main community. Once located, mapping of the extent and boundary of the community continued until an appropriate volume of data had been recorded.

### 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-m<sup>2</sup> area. In many cases, after the initial calibration, areas of *Zostera marina* were encountered where the number of individuals per m<sup>2</sup> 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 <sup>2</sup>	6-11 individuals per m <sup>2</sup>	2-5 individuals per m <sup>2</sup>	<2 individuals per m <sup>2</sup>

### 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

A total of 42 days of fieldwork was undertaken. Of an initial 28 days allocated for field investigations, 6 days were required to complete the mapping of Mannin Bay and 22 days were required to both map the sensitive subtidal communities and ground truth the broadscale data for Clew Bay SAC. A supplementary period of 14 days was made available for the purpose of mapping Galway Bay Complex SAC once fieldwork had commenced.

The fieldwork time allocation facilitated the completion of mapping in Slyne Head Peninsula and Clew Bay Complex SACs. The fieldwork allocation for Galway Bay Complex SAC permitted the great majority of known communities to be mapped. However, secondary data indicated the possible location of a small number of sensitive subtidal communities of maërl and Seapens (*Virgularia mirabilis*) within the site. It was not possible to investigate all of these locations sites however in the time available. It is estimated that an additional 2-3 days will be required to complete the mapping of this site.

During this time a total of 3,264 georeferenced data points were recorded across the three sites. These were contained in 599 separate transect lines. Table 4.1 summarises the volume of data recorded at each site by individual data point and transect line. Transect lines are constituted by the linking together of two or more data points i.e. a start point and an end point.

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

Site	Slyne Head Peninsula SAC	Clew Bay Complex SAC	Galway Bay Complex SAC	Total
Data points	638	1796	830	3264
Transect lines	84	289	226	599

Thus the survey was successful in generating a very significant amount of data in relation to the extent and distribution of sensitive subtidal communities within each site.

A number of investigative SCUBA dives were made at each site for the purpose of making detailed physical and biological recordings in relation to individual important communities. A series of photographic and videographic recordings were also made during each dive. The data were used to prepare detailed georeferenced Species Lists for each site. Species Lists and photographic records are presented in Appendix III. Videographic recordings were edited and compiled in the format of a DVD that accompanies this report.

Data are most easily interpreted by viewing the series of maps presented in Figures 4.9 to 4.26. 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 4.9	Slyne Head Peninsula SAC	SAC boundary
Figure 4.10	Slyne Head Peninsula SAC	Data points and transect lines
Figure 4.11	Slyne Head Peninsula SAC	Maërl communities
Figure 4.12	Slyne Head Peninsula SAC	<i>Zostera marina</i> communities
Figure 4.13	Slyne Head Peninsula SAC	<i>Neopentadactyla mixta</i>
Figure 4.14	Clew Bay Complex SAC	SAC boundary
Figure 4.15	Clew Bay Complex SAC	Data points and transect lines – southern section
Figure 4.16	Clew Bay Complex SAC	Data points and transect lines – northern section
Figure 4.17	Clew Bay Complex SAC	<i>Zostera marina</i> communities – southern section
Figure 4.18	Clew Bay Complex SAC	Maërl communities – southern section
Figure 4.19	Clew Bay Complex SAC	<i>Zostera marina</i> communities – northern section
Figure 4.20	Clew Bay Complex SAC	Maërl communities – northern section
Figure 4.21	Galway Bay Complex SAC	SAC boundary
Figure 4.22	Galway Bay Complex SAC	Data points and transect lines – southern section
Figure 4.23	Galway Bay Complex SAC	Data points and transect lines – northern section
Figure 4.24	Galway Bay Complex SAC	<i>Zostera marina</i> communities – southern section
Figure 4.25	Galway Bay Complex SAC	Maërl communities – southern section
Figure 4.26	Galway Bay Complex SAC	<i>Zostera marina</i> communities – northern section
Figure 4.27	Galway Bay Complex SAC	Maërl communities – northern section

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 Admiralty Charts covering Slyne Head Peninsula SAC, Clew Bay Complex SAC and Galway Bay Complex SAC.

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 - Slyne Head Peninsula SAC

For Slyne Head Peninsula SAC, the observations have permitted the comprehensive mapping of communities of maërl and *Zostera marina* in particular. No other significant sensitive subtidal communities were recorded at this site during the survey.

Previous biological investigations at this site confirmed the presence of undetermined numbers of the burrowing sea cucumber *Neopentadactyla mixta* and the polychaete Peacock Worm *Sabella pavonina* at different parts of the site. While some individual specimens of *N. mixta* were recorded at two sites, no *S. pavonina* were observed. Individuals of the Sand Mason *Lanice conchilega* were recorded in a narrow band of sediments lying just off Mannin Beach, in an area bounded by the low water mark and the edge of a seagrass bed. The numbers present however were not considered to represent a community *per se* and therefore did not warrant more detailed mapping.

The mapping that was undertaken was highly successful in Mannin Bay due in part to the particular success of direct surface observation techniques. This technique was greatly enhanced by the clarity of the waters at the site, coupled with bright and sunny weather and the occurrence of very low spring tides during most of the fieldwork period. This facilitated the frequent recording of observations in relation to seabed habitat and communities.

Large areas of both living and dead maërl were mapped during the study. Maërl communities dominate the shallow part of the bay to a depth of 10-12m and extend right into the shore at Mannin Beach. Several large beds of seagrass *Zostera marina* were also recorded and mapped during the survey. Seagrass beds displayed a degree of patchiness and variation in abundance index across the site, however no more than might be expected to occur naturally. There was no evidence of mechanical damage, as would be associated with certain fishing activities or the anchoring and mooring of boats, to any of the *Z. marina* or maërl beds observed. This is despite having received reports of exploratory fishing activities for burrowing bivalve species having taken place within the site within the previous 12 months. Similarly no dredge marks were observed in seabed sediments in the deeper parts of the site.

A broad range of maërl communities were recorded within Mannin Bay during the survey. Large areas of dead maërl gravel were recorded, especially in the northern section of the bay. Here, extensive areas of maërl gravel overlies coarse and medium sand. While most of the maërl is dead, occasional banding of live/dead maërl gravel was also observed and recorded in this area. Some duning of maërl gravel was also recorded. It is likely that duning is a result of wave action rather than the effects of the prevailing weak tidal currents that occur in this area.

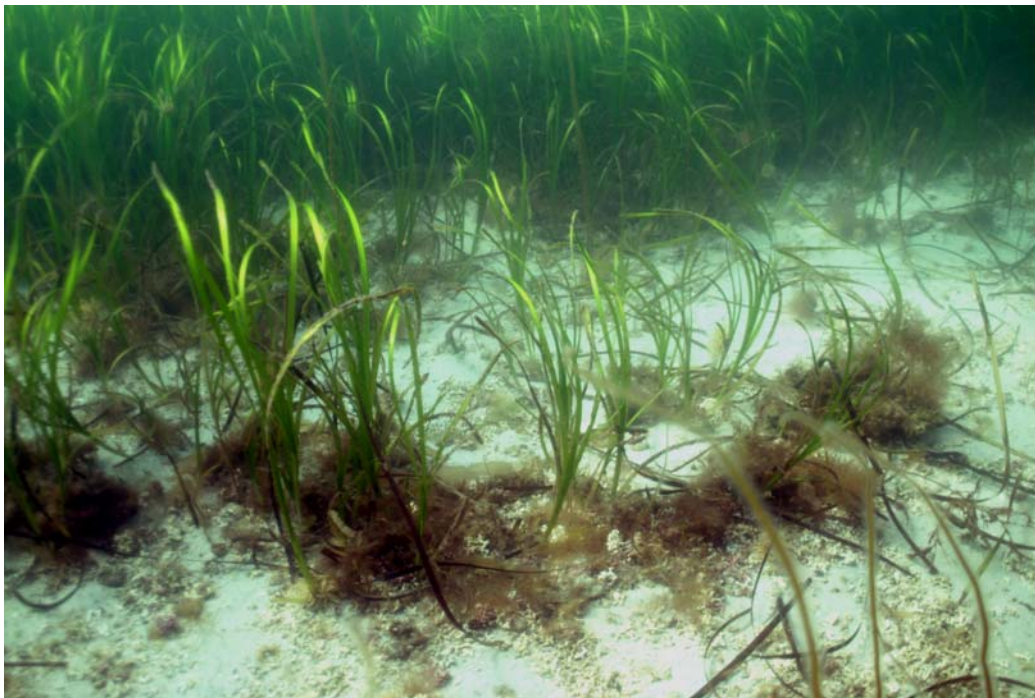
Deep layers of dead maërl gravel and particulate maërl were recorded from the area to the east and north of Mannin Rocks and to a lesser extent, west of Mannin Rocks also. The maërl sediments constitute an apparently deep, relatively uniform undulating cover of the seabed. Within this area there are occasional small areas of gravel, shell and coarse sand as well as small patches of living maërl gravel.

The most prolific living maërl communities in the Mannin Bay site are found subtidally just to the west of Mannin Beach where the water depth is less than 8 meters and where there is a high degree of shelter from wave action. In this area, maërl forms extensive beds of living maërl gravel. This maërl community extends seawards from the subtidal level for a distance of several hundred meters and also extends in a northerly direction, parallel to the shoreline. An interesting and unusual community characterised by seagrass *Zostera marina* growing amongst live maërl gravel is recorded from this area also. This particular community appears to occupy a relatively small area just to the west of Mannin Beach. The photograph presented in Figure 4.1 clearly depicts this unusual community. Figure 4.2 is a photographic record of *Zostera marina* occurring in sandy sediments close to the Mannin Beach. Some dead maërl gravel can also be seen in the frame.

While field identification of maërl species is notoriously difficult and unreliable, examination of samples collected during the survey of Mannin Bay appeared to confirm the presence of both *Lithothamnion corallioides* and *Phymatolithon calcareum* within Mannin Bay. It was not possible to map the maërl beds according to species however.



**Figure 4.1** Seagrass *Zostera marina* growing amongst live maërl, Slyne Head Peninsula SAC



**Figure 4.2** Seagrass *Zostera marina* on sandy seabed with dead maërl gravel in the foreground, Slyne Head Peninsula SAC

### 4.3 Results - Clew Bay Complex SAC

Overall, the survey undertaken was very successful at this site. Little time was lost due to inclement weather and the direct surface observation techniques worked reasonably well in the shallower waters in the southern section of the site from Bartraw to Ilaanmore Harbour. Water clarity was not as good as was encountered at the previous site. However appropriate scheduling of survey work meant that direct observations could be focused on the period of 1.5 to 2 hours either side of low water with dive transects being conducted before and after this period. By conducting the survey in this manner large volumes of new data were generated particularly in relation to the presence of *Zostera marina* in the southern section of the site, e.g., to the south and East of Inishlyre and north and east of Covinish. Additional communities of *Zostera* were identified southwest of Inishgort lighthouse while extensive new beds of maërl were confirmed within Ilaanmore Harbour.

In the case of Clew Bay Complex SAC, the data supplements that generated during the earlier broadscale mapping exercise. The extensive set of ground truthing observations conducted during the present study allows the earlier data to be further refined in quite a number of instances by eliminating false predictions in relation to the presence of sensitive communities on the seabed. Similarly, in other areas, the broadscale exercise failed to detect the presence of sensitive *Zostera marina* and maërl communities. This appeared to be particularly the case in instances where *Z. marina* and maërl sediments occurred together with varying macroalgal cover or significant volumes of bivalve shell.

The maërl communities within the site were found to vary considerably in their nature and this variability occurred within individual maërl communities also. Maërl was often recorded as forming a shallow and variable cover over other sedimentary seabed materials such as broken shell or medium to fine sand and muddy sand. In other instances the maërl was found to form deep beds and some duning was also recorded. At other sites the maërl occurred with large volumes of shell or was found to be growing in recesses amongst gravel and cobble seabed sediments. Figures 4.3 - 4.6 present photographic records of a range of maërl communities encountered in Clew Bay Complex SAC.

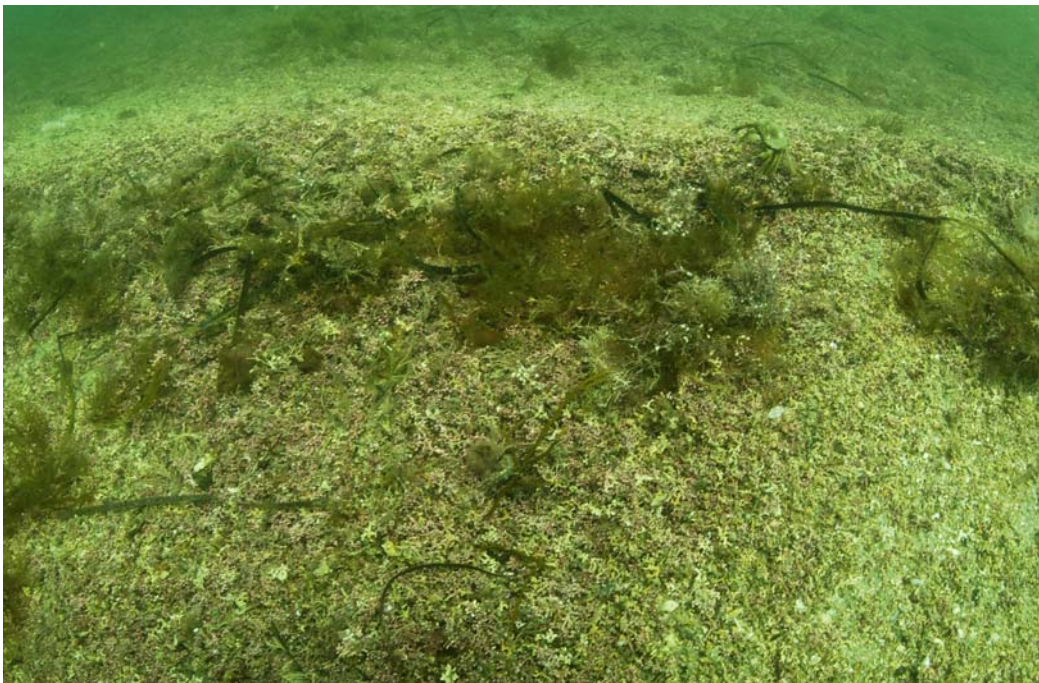
An extensive area of duned living and dead maërl gravel, together with broken shell and gravel was recorded in the channel leading to the east of Inishgort Lighthouse and running north of Inishlyre. This type of community is depicted in Figures 4.3 and 4.4.

The main buoyed navigation channel leading into Westport Harbour also happens to be the location of the most extensive maërl community recorded during the survey. In this channel, the maërl communities contribute to a variety a sedimentary seabed types and represent varying quantities of the overall sediments present in seabed materials. Extensive, deep beds of dead maërl gravel *Lithothamnion corallioides* underlie a thin veneer of living maërl gravel occur in this area. In places the living maërl gravel is mixed in with prolific dense and bushy growth of the free living form of the calcareous algae *Coralina officinalis*.



In other parts of the channel where current flow tends to be strongest – such as between islands, the seabed is characterised by coarse gravel and small cobbles, between which the voids are occupied by living maërl gravel. Examples of the discoidal form of *Lithothamnion corallioides* were present on the seabed amongst gravel and stones in the tide swept channel to the north and east of Inishleague.

A maërl community characterised by a thin veneer of mostly living maërl gravel overlying fine sediments consisting mainly of muddy sand was recorded from a number of locations within the main navigation channel in areas where currents were weaker. This type of community was also recorded east of Inishlyre and in an area south of Inishraher. The overlying veneer appeared to comprise maërl forming *Phymatolithon calcareum*. An example of this type of maërl community is depicted in Figure 4.5.



**Figure 4.3** Duned maërl community, east of Inishgort Lighthouse, Clew Bay Complex SAC





**Figure 4.4** Duned maërl community, east of Inishgort Lighthouse, Clew Bay Complex SAC



**Figure 4.5.** Maërl forming a shallow and patchy cover over sedimentary seabed materials, Clew Bay Complex SAC



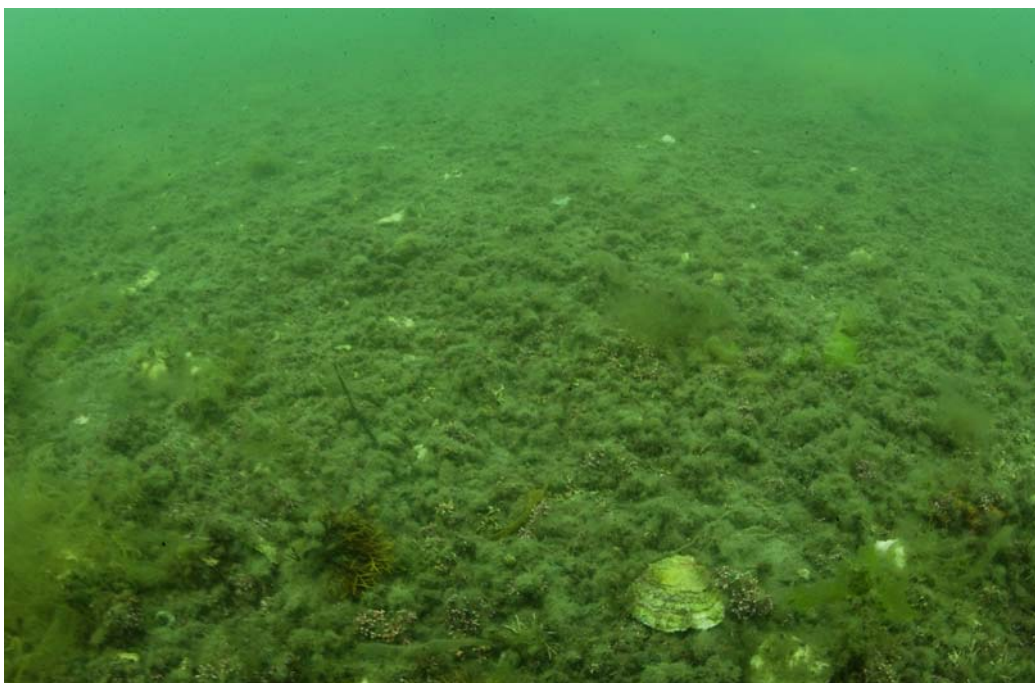


**Figure 4.6** Seabed composed of live and dead maërl together with shell and gravel

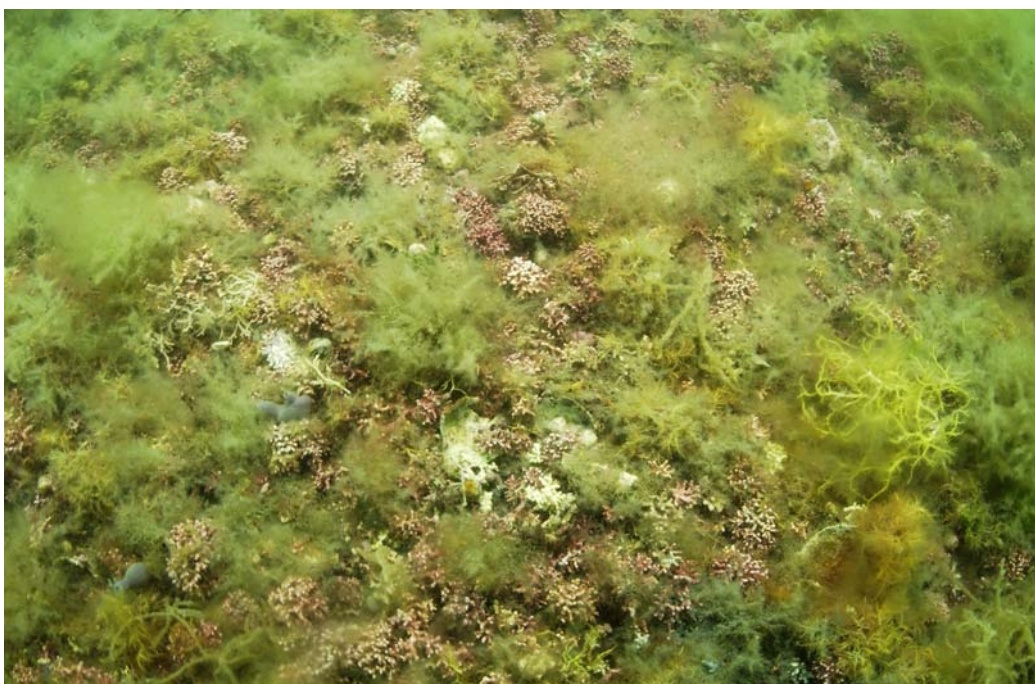
Figure 4.6 is an example of yet another type of maërl community which is characterised by living and dead maërl gravel, combined with gravel and stones and shell which go together to form a regular pattern of alternating patches of live and dead maërl mixed with gravel and shell. Examples of this type of seabed were recorded in the channel east of Inishleague.

An extensive maërl community was recorded within Ilaanmore Harbour. At this site, maërl was found to form a bed composed of up to 100% live maërl gravel of apparently *Phymatolithon calcareum* and possibly *Lithophyllum fasciculatum*. In places the maërl measured up to 12 inches in depth. Live maërl rhodoliths occurred within a dense growth and cover of foliose algae and large quantities of bushy free living *Corallina officinalis*. An example of this type of maërl community is depicted in Figure 4.7.

Other patchy occurrences of mostly dead maërl rhodoliths outside the entrance to Rossmoney Harbour (below Rossmoney Hill) could perhaps represent the remains of an earlier maërl bed, which was impacted through anthropogenic activities. The presence of significant amounts of dead *Ostrea edulis* oyster shell in this area may be indicative of the past existence of an oyster fishery at this location. Figure 4.8 is a photograph of the seabed taken at this location. Live maërl gravel together with dead oyster shell and a thick layer of filamentous green algae on the seabed can be seen. Some very large rhodoliths of what appeared to be dead or fossil *Lithophyllum dentatum* were recorded from this area also.



**Figure 4.7** Seabed outside southern entrance to Collanmore Harbour, Clew Bay. Photo shows dead oyster shell, live maërl and extensive growth of filamentous green algae



**Figure 4.8** Dense living maërl community, Ilaanmore Harbour. This community is characterised by large maërl rhodoliths forming a deep layer of living maërl up to 12 inches deep. Clew Bay Complex SAC

Previous studies conducted at the site alluded to the presence of several other sensitive subtidal species including *Sabella pavonina* and *Serpula vermicularis*. While

individuals of both these species were encountered in addition to the Sand Mason *Lanice conchilega*, their occurrence was sporadic and at no stage did any of these species occur in sufficient numbers to be considered as a community.

#### 4.4 Results - Galway Bay Complex SAC

Survey work in Galway Bay Complex SAC relied mostly on SCUBA techniques to map the mainly deeper and more dispersed maërl communities. Direct surface made observations were limited to the shallower areas occurring in and around Doorus Strait and Island Eddy where much of the *Zostera marina* recorded during the survey is located. Once again surface observation techniques were best utilized in the tidal window of 2 hours before and after low water. Despite searching for communities of *Z. marina* off Finavarra Point, no such beds were recorded during the present study.

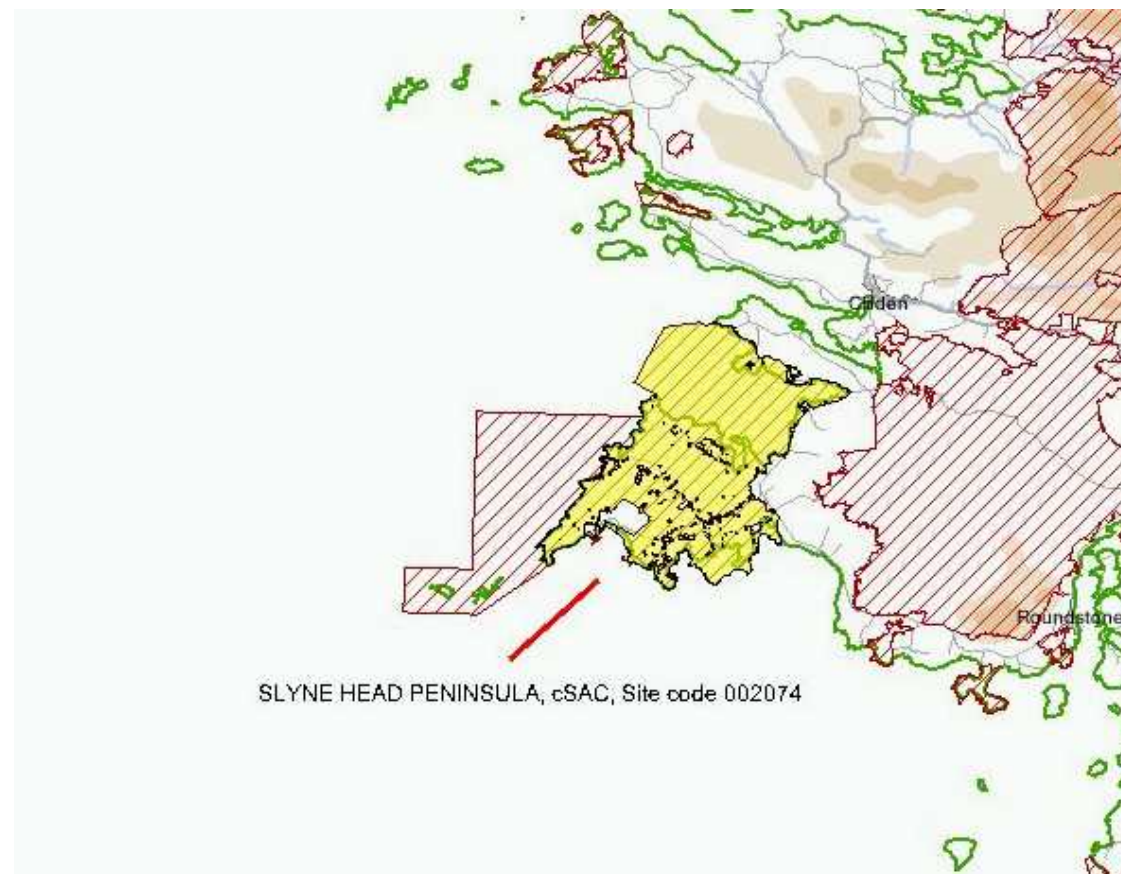
The most significant maërl communities in terms of volume were recorded to the south and east of Island Eddy, off Finavarra and to the north of Tawin Peninsula. In these areas extensive areas of thick dense maërl with up to 100% cover were recorded.

The over-riding feature of many of the maërl communities in this part of Galway Bay appears to be their nature. Rather than forming large beds of dense living and non-living maërl, in many cases the communities form a thin and broken veneer on top of various sedimentary seabed types, including fine and coarse sand, gravels, cobbles and muds in some instances. Where the veneer of maërl occurs with coarse gravel and cobbles, the maërl tends to occupy the spaces between grains. The covering frequently is only one layer thick (i.e. the thickness of a single rhodolith). Within these communities, the surface area covering of maërl can vary from 100% to as little as 10% and they were seen to stretch over very large areas of the seabed. Within these areas significant variability in the nature of the underlying sediments was also recorded. However the covering of maërl can be seen to extend throughout all such variability in sediments. In many cases it is perhaps questionable as to whether the occurrence of maërl in this manner actually constitutes a maërl community or not.

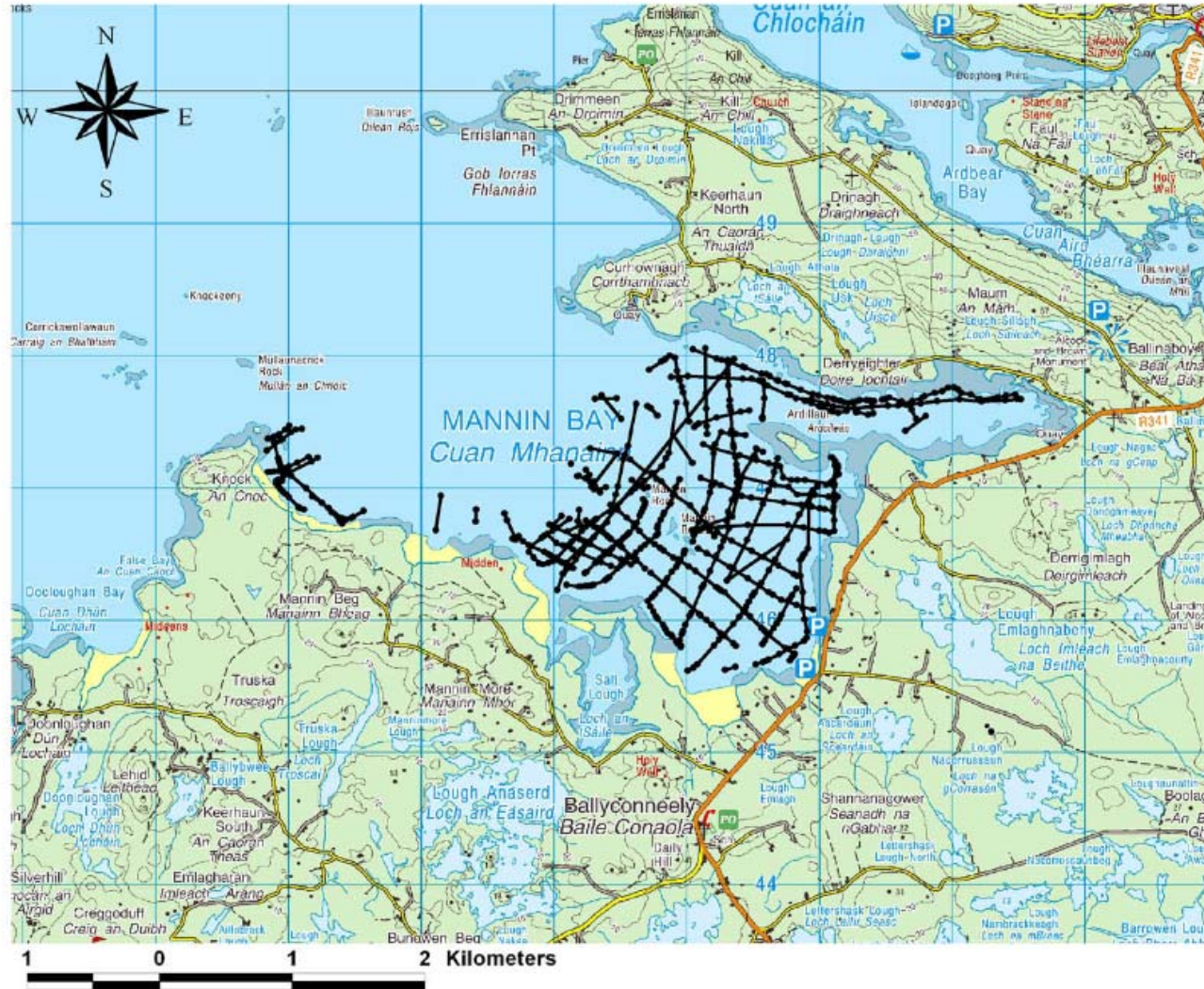
Species of maërl recorded included the discoidal form of *Lithothamnion corallioides* to the north of Finavarra and to the east and north of Aughinish Island. Also recorded was *Phymatolithon calcareum* in Muckinish Bay. Further deposits of the finely branched form of *Lithothamnion coralloides* were recorded in Doorus Strait, as well as to north of Tawin Peninsula where maërl communities formed an extensive veneer over underlying muddy and muddy sand sediments. No *Lithophyllum dentatum* was recorded during the survey of Galway Bay Complex SAC.

Despite conducting a number of specific dives in order to investigate other 'known' sensitive communities – most notably for *Neopentadactyla mixta* and the Sea Pen *Virgularia mirabilis* in the area to the north of Tawin Peninsula and south of Mutton Island, no such communities were recorded. Indeed, other than very occasional individual *Lanice conchilega* no other significant subtidal species or communities were encountered during the survey at this site.





**Figure 4.9. SAC boundary for Slyne Head Peninsula SAC. The site is represented in yellow.**



Transect lines   
 Data points 

**Figure 4.10 Location of transect lines and data points, Mannin Bay, Slys Head Peninsula SAC**

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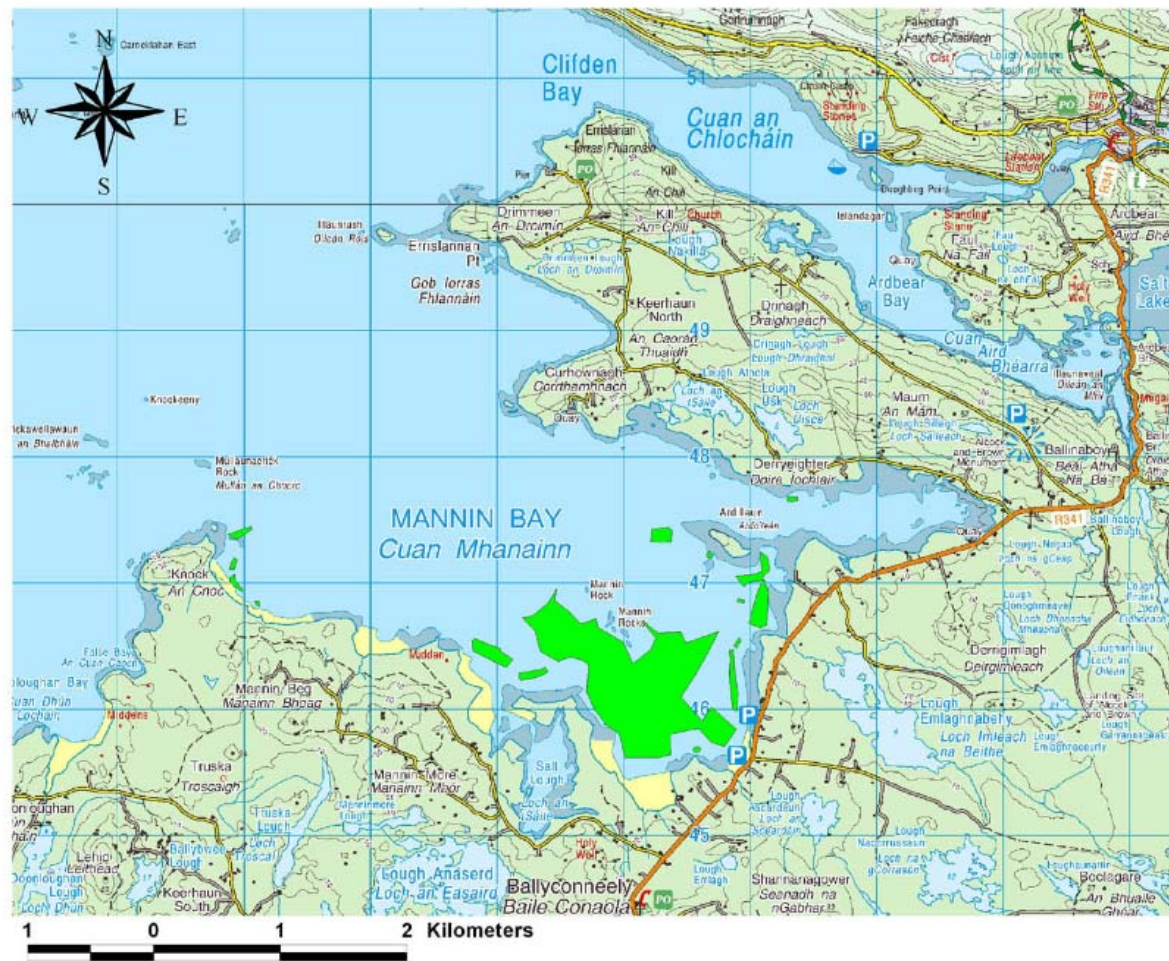
Maërl



**Figure 4.11. Distribution of maërl in Mannin Bay, Slyn Head Peninsula SAC**

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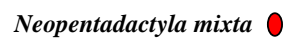




*Zostera marina* ■

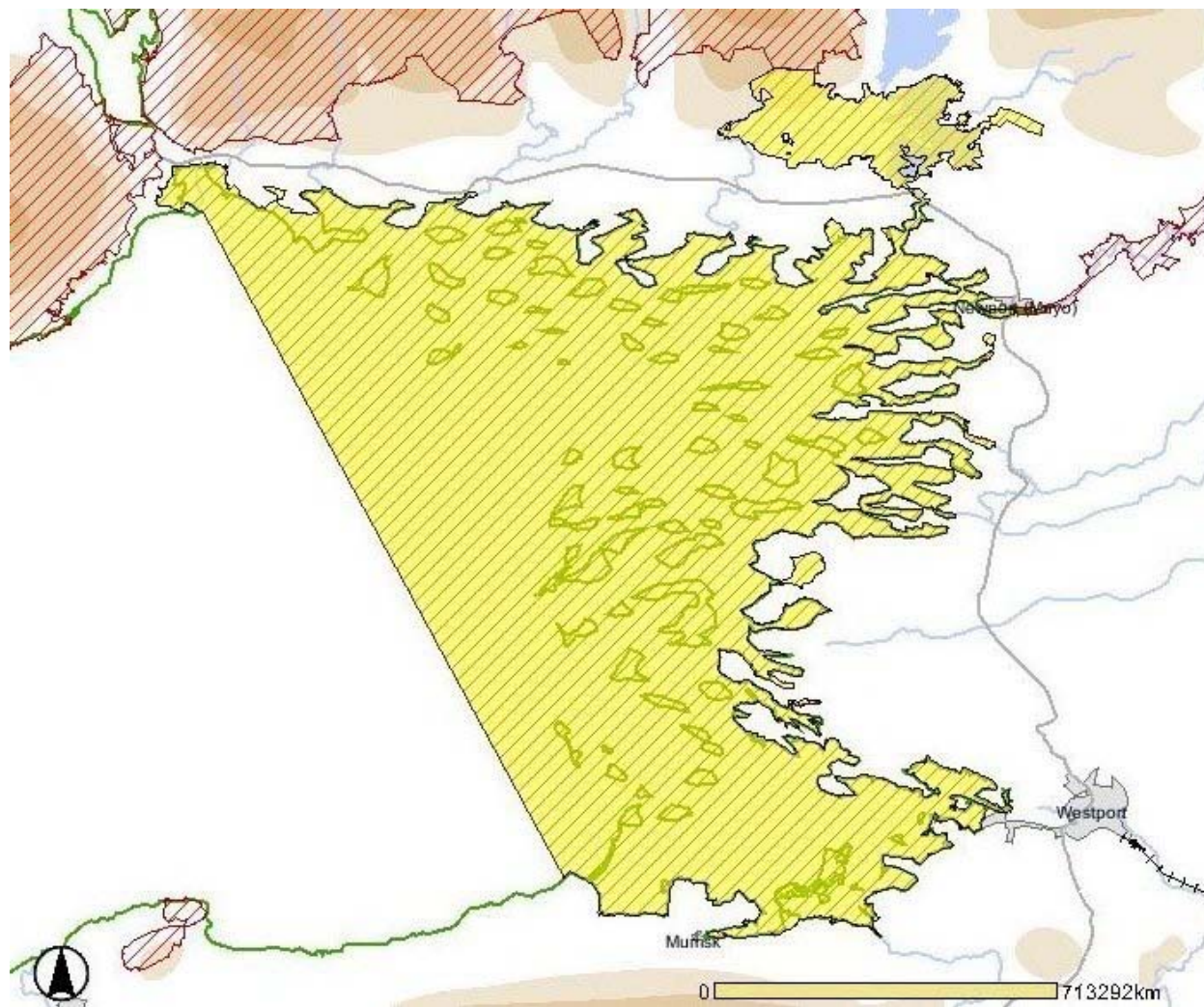
**Figure 4.12. Distribution of *Zostera marina* in Mannin Bay, Slyne Head Peninsula SAC**

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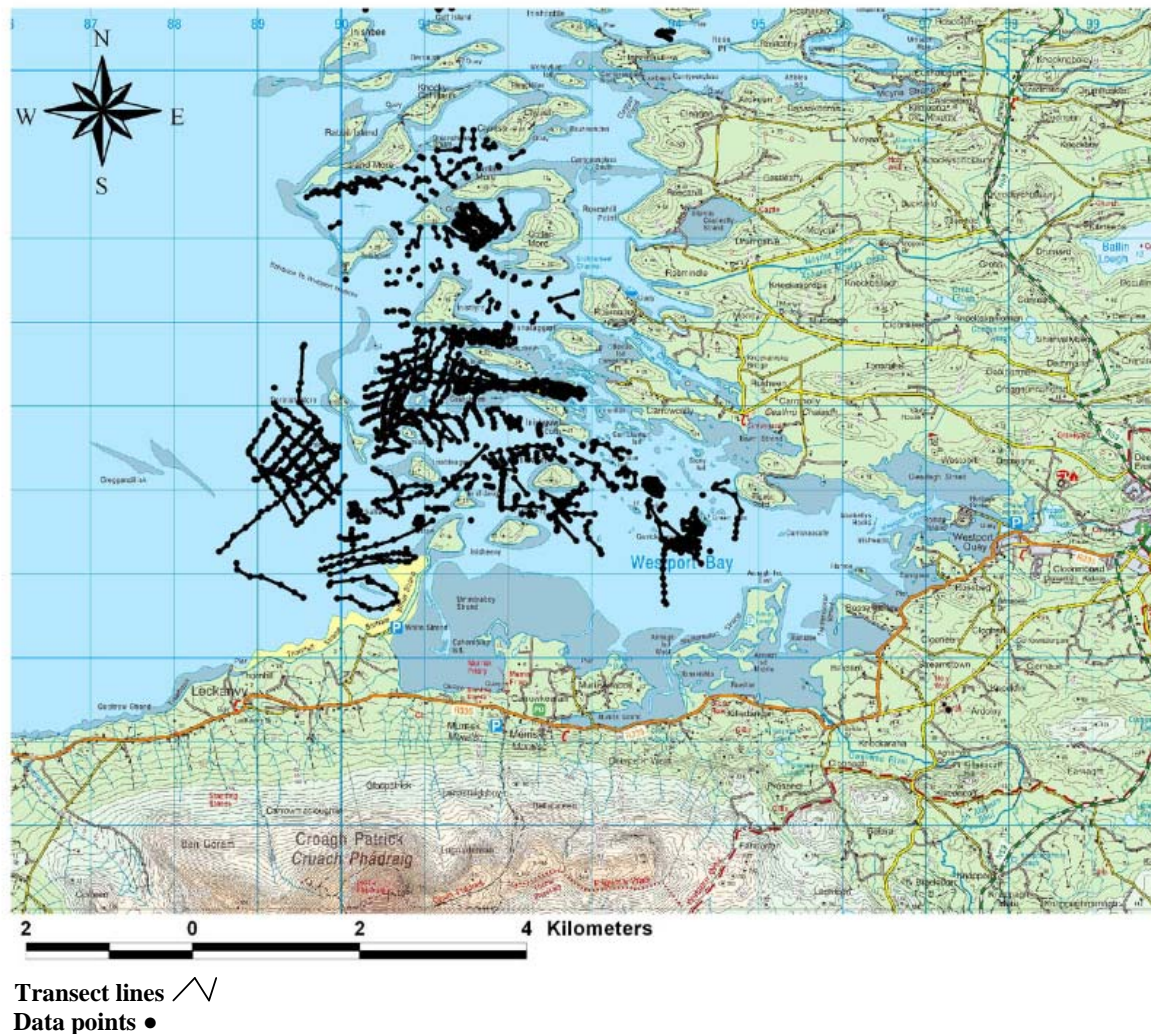


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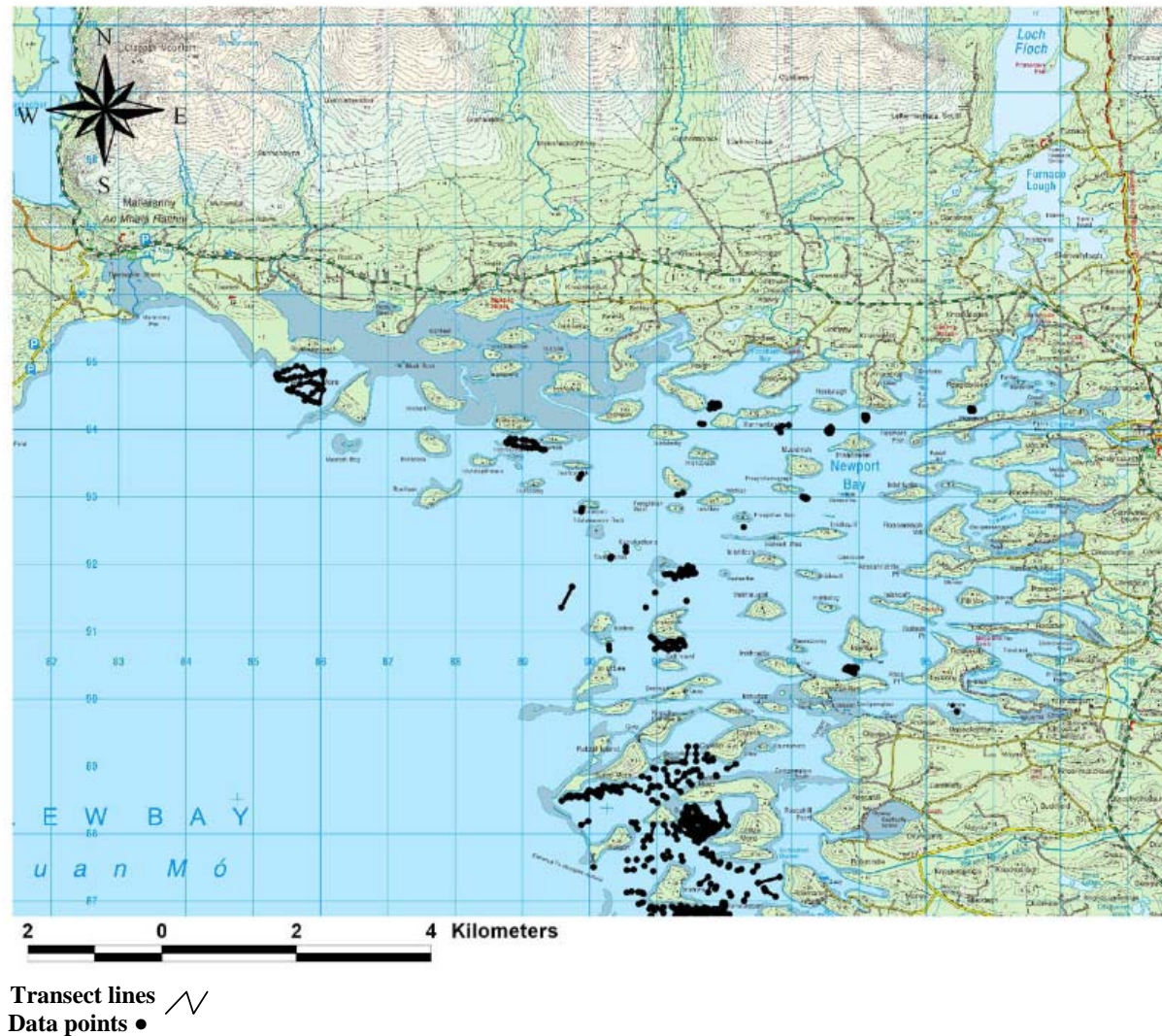
**Figure 4.14. Clew Bay Complex SAC boundary (site indicated in yellow)**



**Figure 4.15. Location of transect lines and data points, southern section of Clew Bay Complex SAC**

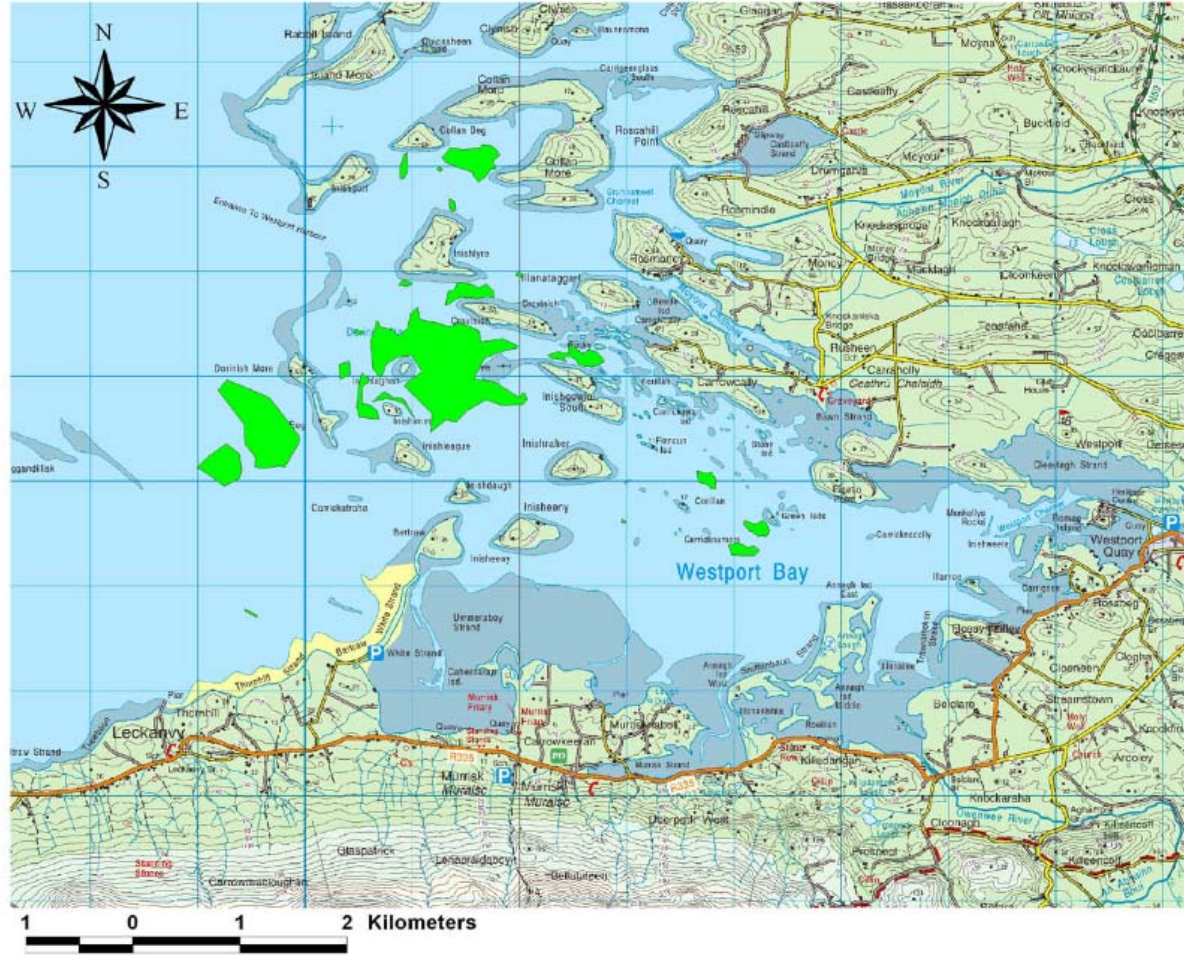
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**Figure 4.16. Location of transect lines and data points, northern section of Clew Bay Complex SAC**

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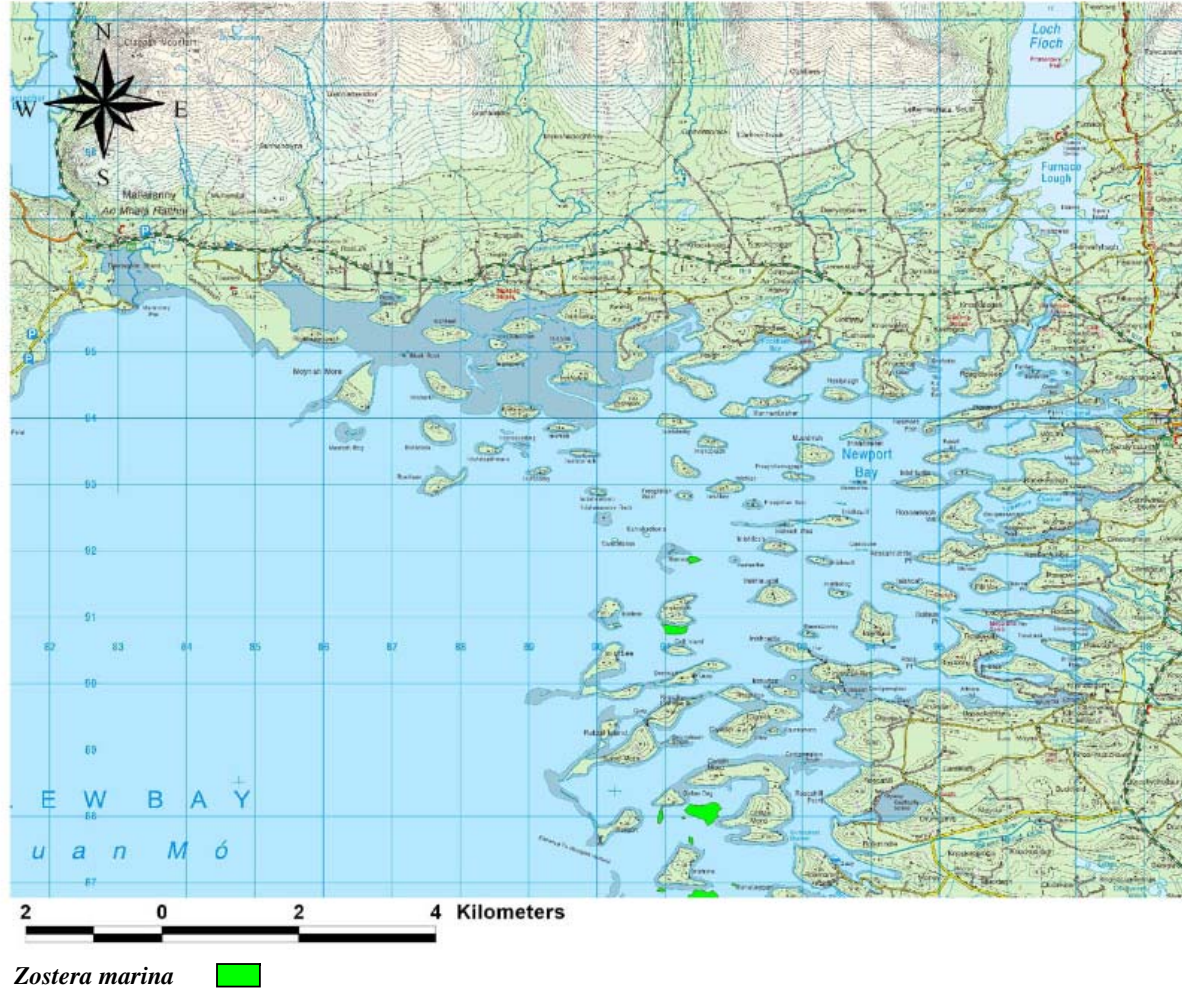
*Zostera marina* █

**Figure 4.17. Location of *Zostera marina*, southern section of Clew Bay Complex SAC**

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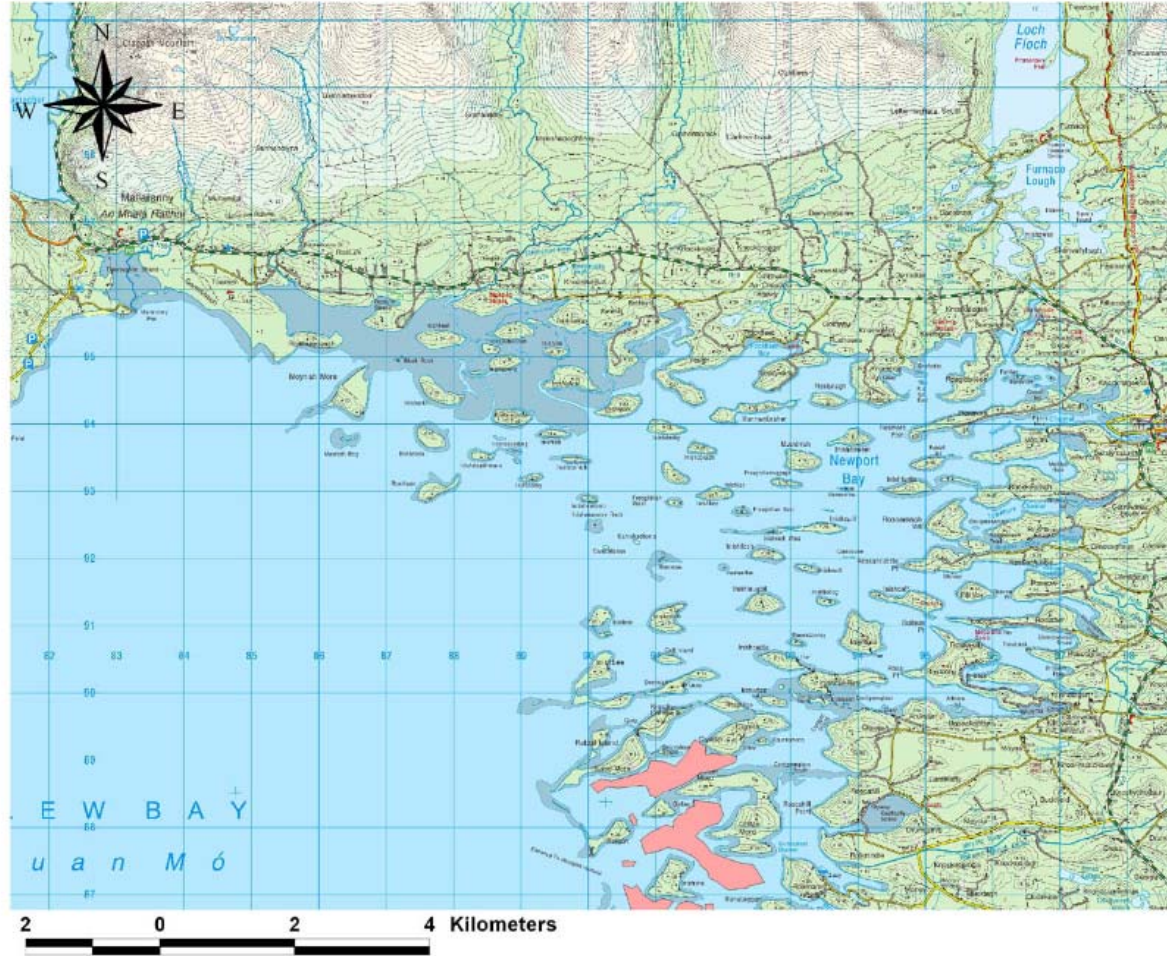




**Figure 4.19. Location of *Zostera marina*, northern section of Clew Bay Complex SAC**

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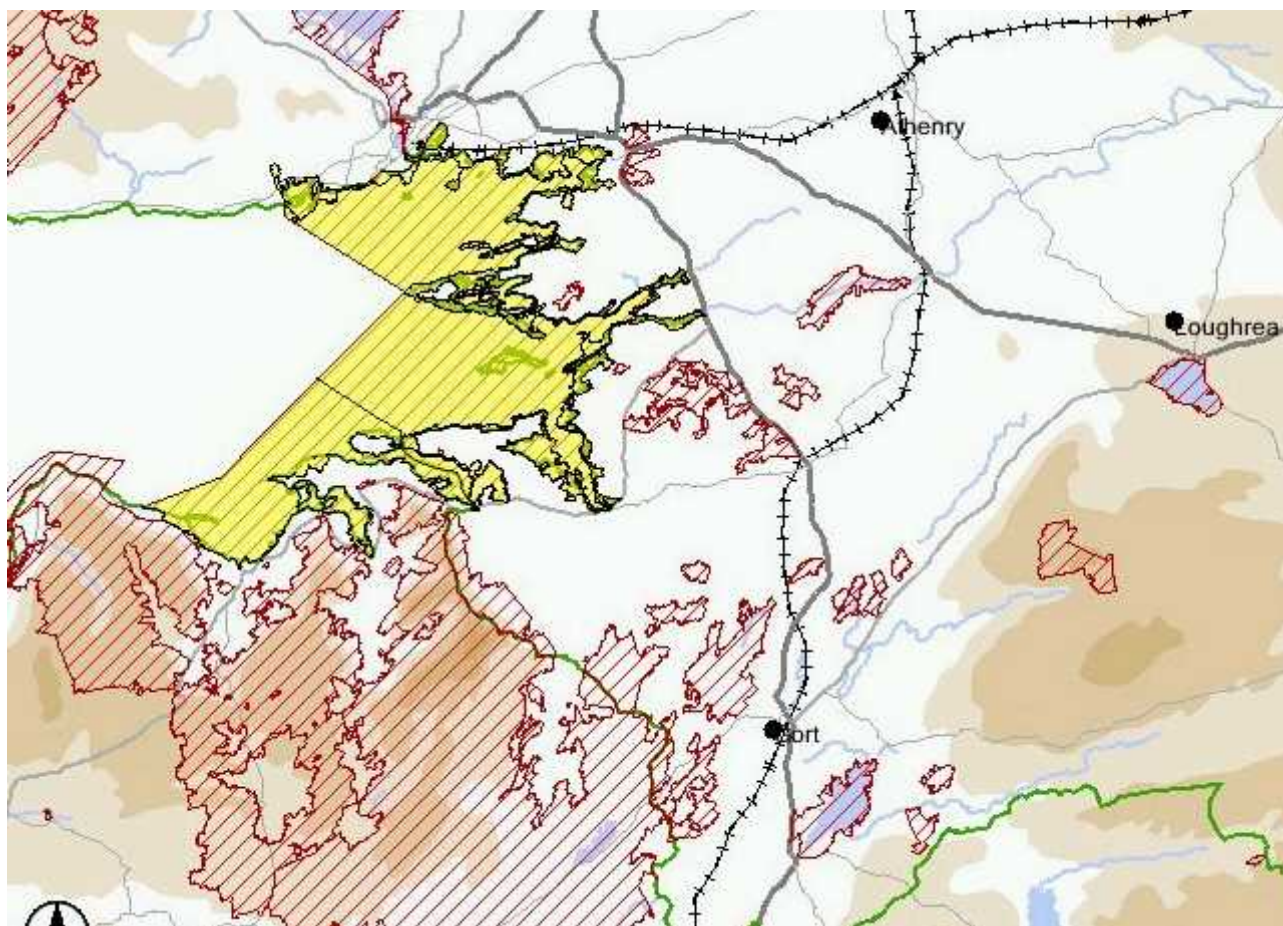




Maërl

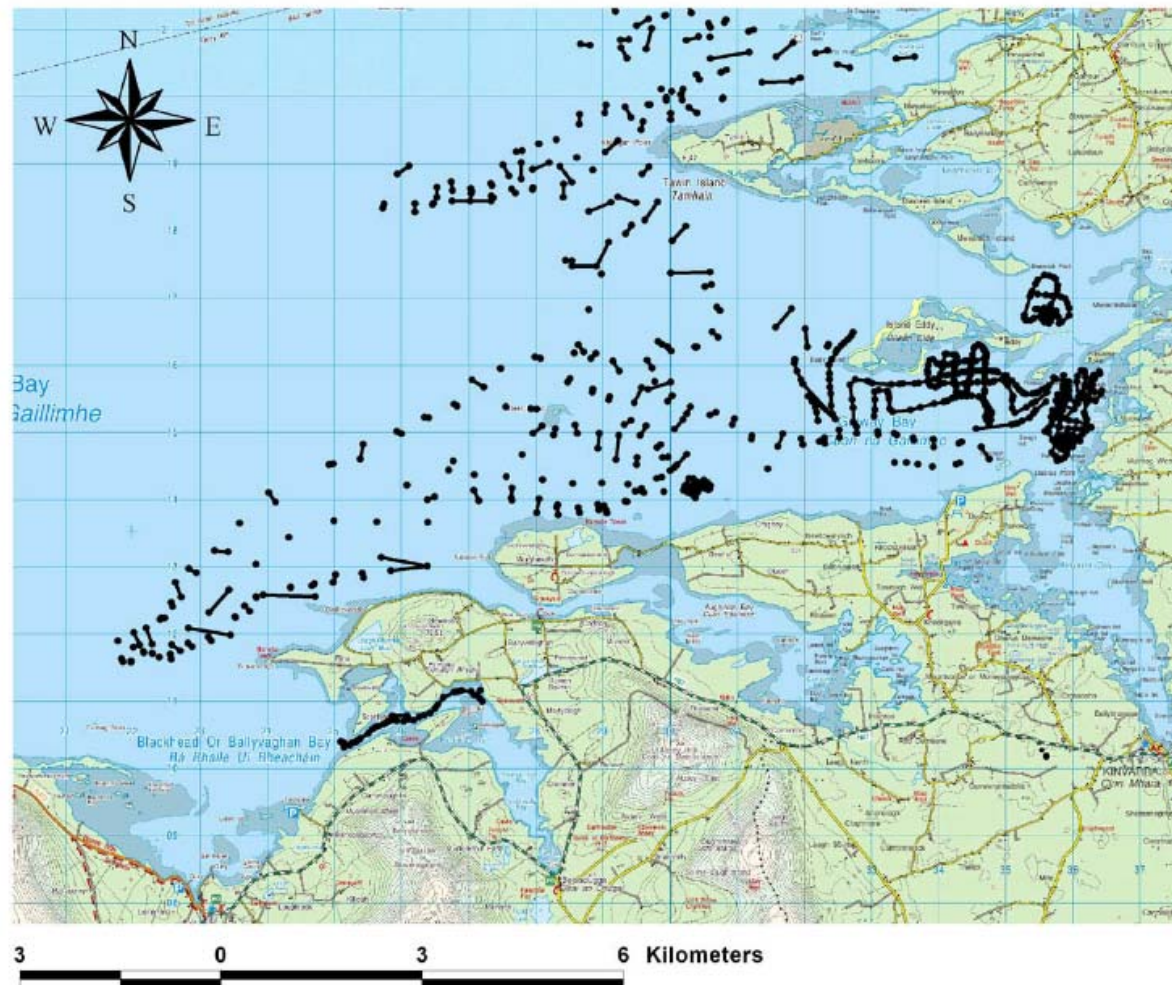
**Figure 4.20. Location of maërl beds, northern section of Clew Bay Complex SAC**

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**Figure 4.21. Galway Bay Complex SAC boundary (site indicated in yellow)**

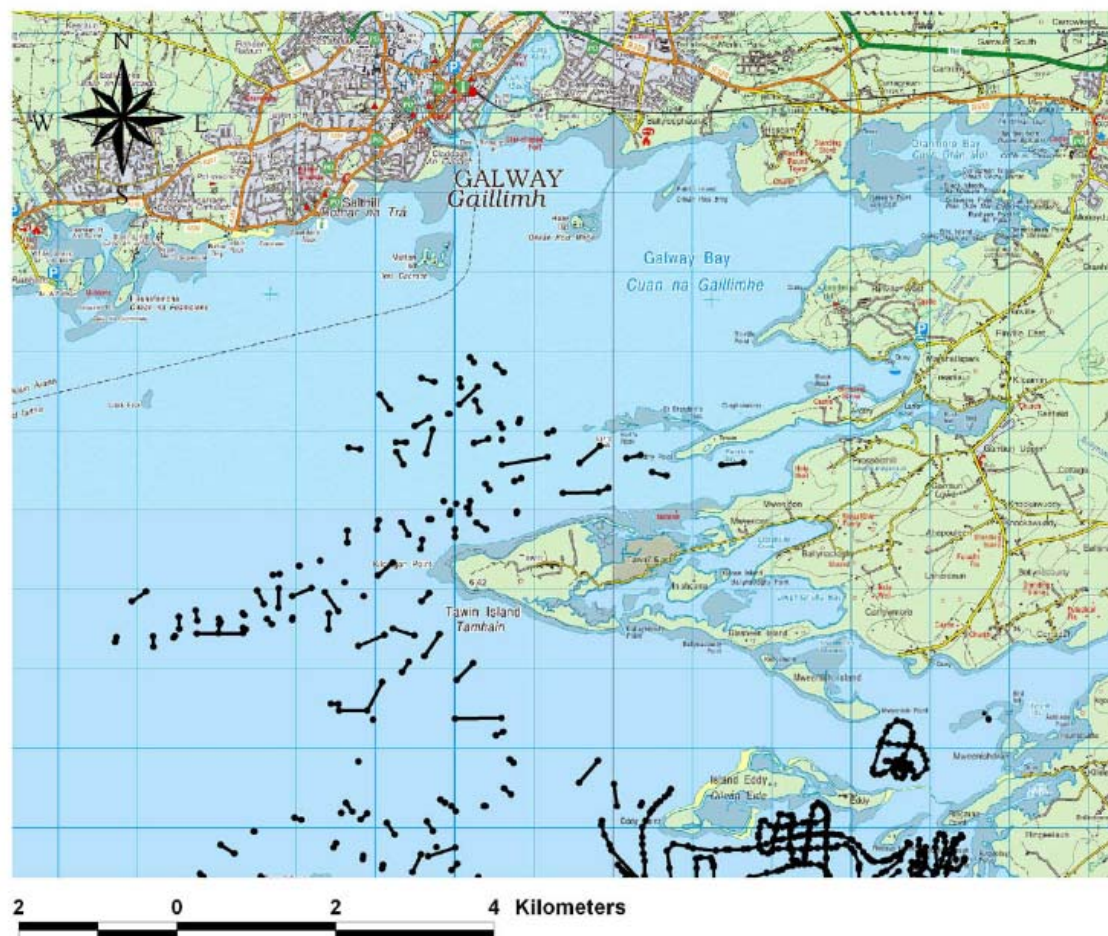




Transect lines   
 Data points •

**Figure 4.22. Distribution of transect lines and data points, southern section Galway Bay Complex SAC**

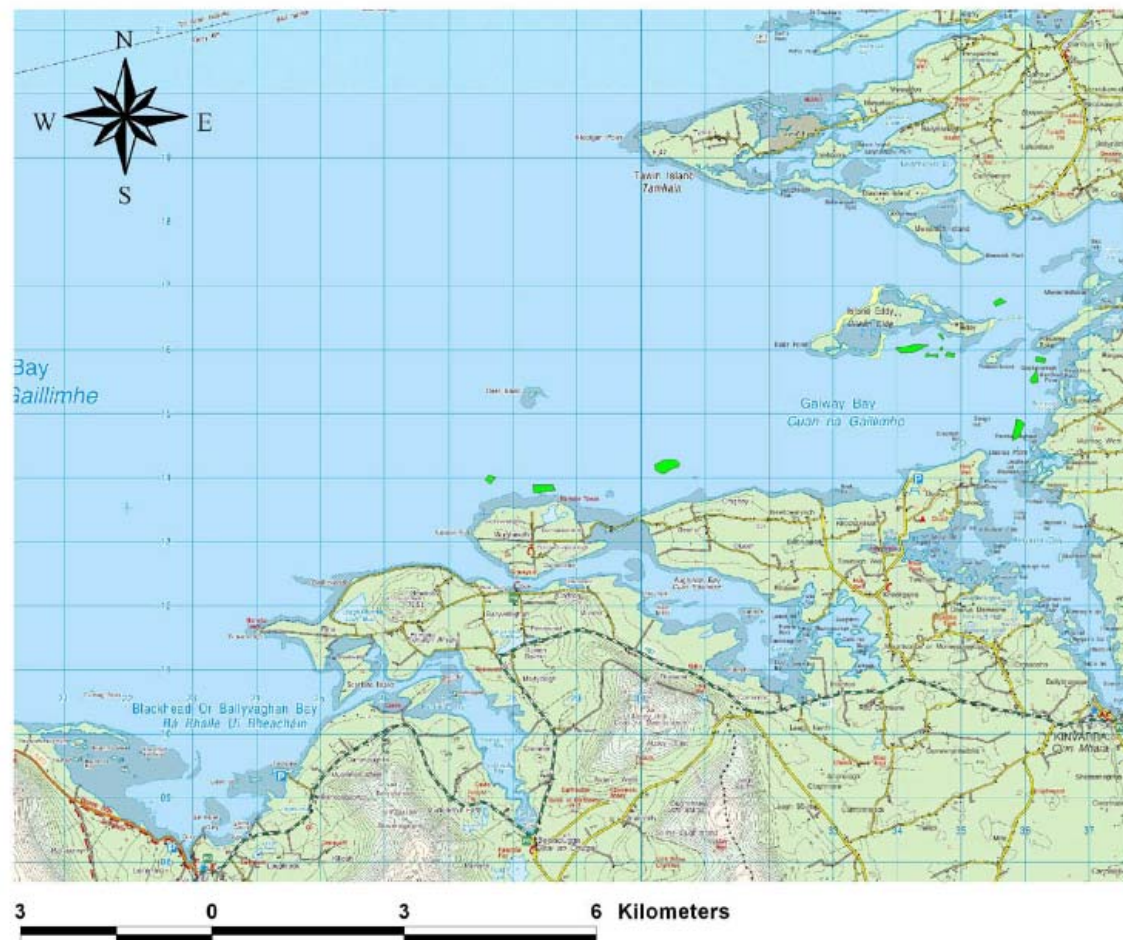
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Transect lines   
 Data points 

**Figure 4.23. Distribution of transect lines and data points, northern section Galway Bay Complex SAC**

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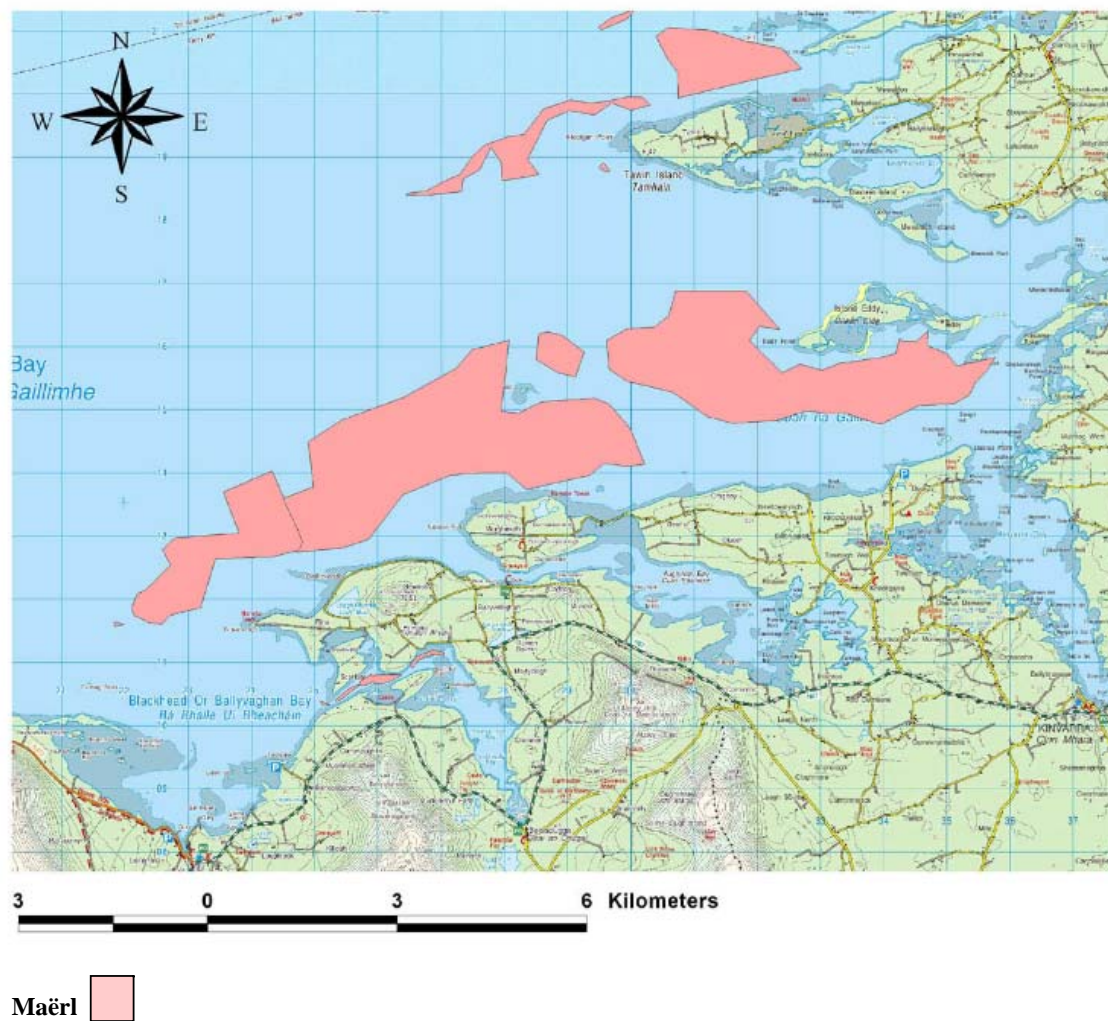


*Zostera marina*

**Figure 4.24. *Zostera marina* distribution, southern section Galway Bay Complex SAC**

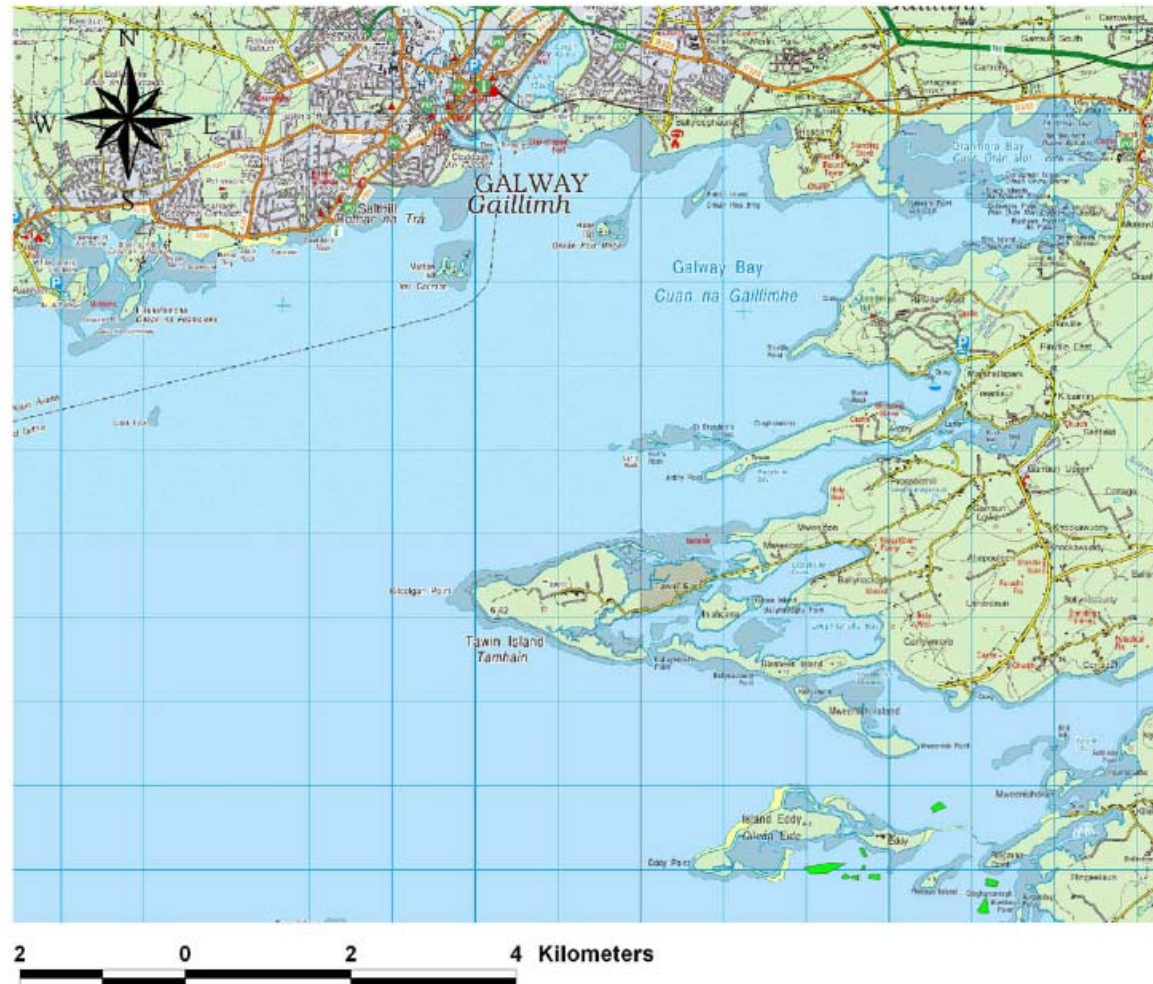
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**Figure 4.25. Maërl community distribution, southern section Galway Bay Complex SAC**

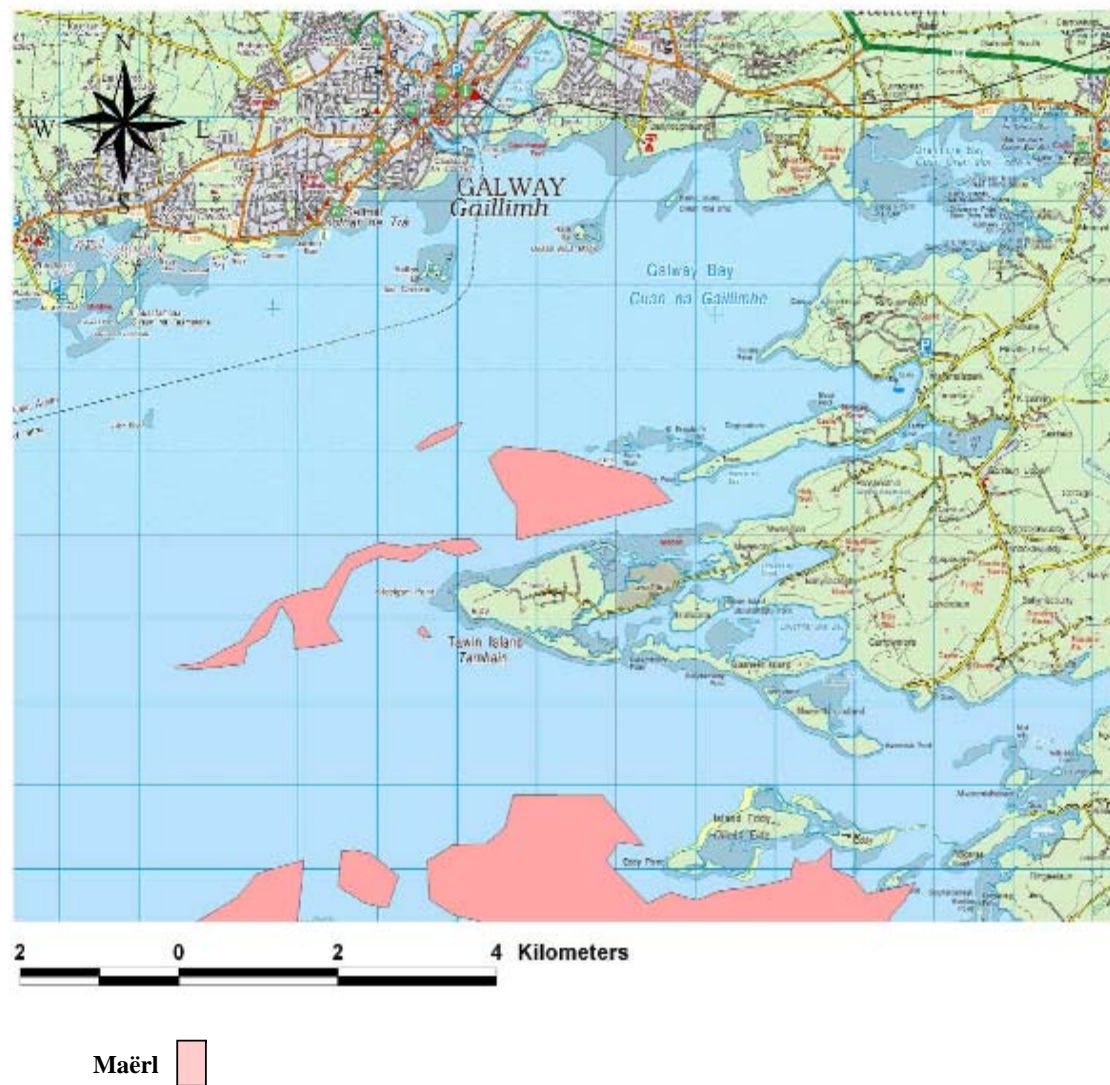
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*Zostera marina* ■

**Figure 4.26. *Zostera marina* distribution, northern section Galway Bay Complex SAC**

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**Figure 4.27. Maërl community distribution, northern section Galway Bay Complex SAC**

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## 5. Summary

The present study has been successful in collecting new data in relation to the nature, distribution and extent of sensitive subtidal communities in Clew Bay Complex, Slyne Head Peninsula and Galway Bay Complex SAC's. In addition the survey has been a useful undertaking in the context of providing further ground truthing of data relating to seabed habitat and communities, collected during the earlier broadscale mapping exercise undertaken in Clew Bay Complex SAC.

The survey successfully located and mapped extensive new areas of targeted seabed communities in all of the sites.

The undertaking was highly successful in relation to Slyne Head Peninsula SAC. The subtidal portion of this site is encompassed almost entirely within Mannin Bay and the physical features of the site in terms of water depth, clarity and low prevailing tidal streams meant that this site was ideally suited to the particular techniques employed in the mapping exercise. The boundaries of the main living maërl communities close to Mannin Beach have been accurately mapped, as have those for the seagrass beds. Good seabed community descriptions and recordings have been made over extensive and regular survey track lines conducted in all areas where maërl or *Zostera marina* communities were likely to be found at this site. The occurrence of both maërl and seagrass together appears to have been previously unrecorded at this site and this community has been successfully mapped.

Within Clew Bay Complex SAC, extensive new areas of seagrass beds were located and mapped. The largest of these was previously unrecorded in all information which relates to the designation of the site. This extensive bed lies to the south of Covinish and it is estimated that it is between 24 and 30 hectares in size. Further significant areas with dominant maërl communities were recorded, most notably that in Illanmore Harbour. The boundaries for maërl communities as indicated in the broadscale mapping results have been tied down and refined and further data has been generated in relation to the composition of the maërl communities at most locations. The exercise yielded further results in that many of the sites located in the northern section of the site which broadscale mapping indicated as having either maërl or seagrass communities present, did not in fact have such communities present when surveyed in 2006. It is felt that the apparent absence of practically all such communities in the northern section of the site during the present survey is more likely to be as a result of inaccuracies associated with the original broadscale mapping techniques, rather than any environmental degradation or loss of habitat in the period between the two surveys.

With respect to Galway Bay Complex SAC, the project's successes included the location and mapping of previously unrecorded or poorly recorded maërl communities in and around Tawin Peninsula, Deer Island and Doorus Strait. Accurate mapping of maërl communities in the southern sector of the site in and around Finavarra, Looe Rock and Aughinish Island has also provided new and further data in relation to the different types of maërl communities that occur in this part of Galway Bay Complex SAC. Additional beds of seagrass have been recorded and their boundaries mapped. The most important of these occurred in Doorus Strait and around Island Eddy. The survey failed to locate previously reported beds of seagrass in the area of Finavarra

Point. While it is possible that the wrong locations were surveyed for the presence of seagrass in this area, further investigation may yet reveal its location in this area and allow any seagrass community to be accurately mapped.

Time constraints prevented the collection of any imagery for Galway Bay Complex SAC. As underwater imagery can provide a useful record for future comparisons in relation to the communities occurring within a site, it is hoped to collect imagery at a future date for this site.

The successes of this study have been facilitated in particular by 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 discretion over transect lines
- the use of diver propulsion vehicles to cover the 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: Slyne Head Peninsula SAC  
Site Code: 2074

This site comprises the peninsula west of Ballyconneely, Co. Galway. It extends northwards to Errislannan Point to include the shallow waters of Mannin Bay. The peninsula is low-lying and undulating, reaching a maximum height of only 64 m (Doon Hill). The underlying rock is predominantly gneiss, except for schist along the northern shores of Mannin Bay, a granite ridge along the western edge of the peninsula and a conspicuous basalt exposure that forms Doon Hill.

The peninsula is fringed with rocky shores and sandy beaches, with some extensive areas of machair and several brackish lakes and lagoons. Inland, the site is a maze of small fields, supporting a mosaic of habitats dominated by grassland and heath, interspersed with numerous lakes and associated swamp, marsh and fen. An important feature of the site is the influence of windblown calcareous sand on these habitats.

The site is of high ecological interest, having at least eighteen habitats, which are on Annex I of the EU Habitats Directive. Of these, three are priority habitats- machairs, lagoons and orchid-rich calcareous grasslands.

Machair is particularly well developed and forms extensive plains at Mannin Beg and Aillebrack. The machair has a typically herb-rich sward dominated by species such as Red Fescue (*Festuca rubra*), Wild Thyme (*Thymus praecox*), Lady's bedstraw (*Galium verum*), Daisy (*Bellis perennis*), Clovers (*Trifolium* spp.) and Plantains (*Plantago lanceolata* and *P. coronopus*), with damp areas of Creeping Bent (*Agrostis stolonifera*), Silverweed (*Potentilla anserina*) and small sedges (*Carex* spp.). The rare liverwort *Petalophyllum ralfsii*, a species listed under Annex II of the EU Habitats Directive, has been reported from the site and probably occurs within damp hollows in the machair.

The machair gives way to bare sand in places with embryonic shifting dunes. These areas are characterised by the presence of Sand Couch (*Elymus farctus*) and Sand Sedge (*Carex arenaria*). Some Marram (*Ammophila arenaria*) dunes occur west of Mannin and towards the tip of the Slyne Head headland. Sandy beaches occur at the seaward side of the machair systems, some of which are 'coral' strands composed of the chalky skeletons of red seaweeds (*Lithothamnion* sp. and *Phymatolithion* sp.). Above the beaches typical driftline vegetation is found with species such as Prickly Saltwort (*Salsola kali*), Frosted Orache (*Atriplex lacinata*) and Sea Rocket (*Cakile maritima*). Parts of the shoreline, particularly east of Mannin machair, are fringed with saltmarsh vegetation developed on peat. Typical species found here include Common Saltmarsh-grass (*Puccinellia maritima*), Sea Plantain (*Plantago maritima*), Sea Milkwort (*Glaux maritima*) and Thrift (*Armeria maritima*). Saltmarsh dominated by dense stands of Sea Rush (*Juncus maritimus*) occur at the entrance to Salt Lough.

Brackish lakes and lagoons are a feature of this site. These include Ballyconneelly Lake, Lough Silverhill and Lough Aillebrack South. These lakes are shallow, with sandy bottoms and shores and may be directly connected to the sea. They all receive sea spray and during storms may be flooded by the sea. Characteristic species are Pondweeds (*Potamogeton* spp.), Stoneworts (*Chara* spp.) and Tasselweed (*Ruppia maritima*).

The largest freshwater lake is Lough Anaserd, a typical oligotrophic (nutrient-poor) lake surrounded by heathland. It has a stony shore and numerous rocky islands, some covered with heath vegetation. Aquatic species noted from here include Quillwort (*Isoetes lacustris*), Bulbous Rush (*Juncus bulbosus*), Pipewort (*Eriocaulon aquaticum*), Alternate Water-milfoil (*Myriophyllum alterniflorum*) and Awlwort (*Subularia aquatica*). The rare Slender Naiad (*Najas flexilis*), a species protected under the Flora Protection Order, 1987, and listed on Annex II of the EU Habitats Directive, is also found here. Truska Lough is another oligotrophic lake and Manninmore Lake is also probably of this type. Other lakes within the site are more nutrient-rich in character, possibly due to a brackish influence (e.g. Dereen Lough), and are fringed with Common Reed (*Phragmites australis*) and Many-stalked Spike-rush (*Eleocharis multicaulis*). Also of importance are the associated areas of species-rich marsh (e.g. Ballyconneelly and Bunowen marshes) and fen (e.g. Triska), the latter dominated by Black Bog-rush (*Schoenus nigricans*), Blunt-flowered Rush (*Juncus subnodulosus*) and sedges (*Carex elata*, *C. lasiocarpa*). A scarce orchid, *Dactylorhiza traunsteineri*, typically found in calcareous marshes and fens, is recorded from this site.

Much of the inland peninsula consists of small fields which contain a complex mosaic of habitats ranging from dry grassland and heath through to wet grassland and marsh. The heath occurs mainly in areas of outcropping rock and is dominated by Western Gorse (*Ulex gallii*), Bell Heather (*Erica cinerea*), Cross-leaved Heath (*Erica tetralix*) and St. Dabeoc's Heath (*Daboecia cantabrica*). Juniper (*Juniperus communis*) is also a frequent component of the heath communities here. The dry grassland supports vegetation rich in orchid species, including Early Purple Orchid (*Orchis mascula*), the two Butterfly orchids (*Platanthera bifolia* and *P. chlorantha*) and the Red Data Book species Green-winged Orchid (*Orchis morio*). Two further Red Data Book species, Pyramidal Bugle (*Ajuga pyramidalis*) and Pale Dog-violet (*Viola lactea*), occur amongst the heath/grassland mosaic.

Three Annex I Bird Directive species are known to breed - Chough (8 pairs in 1992), Sandwich Tern (31 pairs in 1995) and Common Tern (5 pairs in 1995).

The main landuse within the site is grazing by cattle, along with some sheep and horses. This is mostly of low to moderate intensity though parts of the machair may be over-grazed. Part of the machair and dune system at Aillebrack has been damaged by the construction of a golf course and this area is excluded from the site. Leisure and tourist related activities may also be damaging parts of the machair system.

This site is of ecological importance for the range and diversity of its semi-natural habitats, many of which are listed on Annex I of the Habitats Directive. The interface

between calcareous sand dunes, machair , heath and grassland communities is of particular note. The site is also important for a number of rare and scarce species.

Site Name: Clew Bay Complex SAC  
Site Code: 1482

Clew Bay is a wide, west-facing bay on the west coast of Co. Mayo. It is open to the westerly swells and winds from the Atlantic with Clare Island giving only a small amount of protection. The drumlin landscape was formed during the last glacial period when sediments were laid down and smoothed over by advancing ice - the sea has subsequently inundated this area, creating a multitude of islands. The geomorphology of the bay has resulted in a complex series of interlocking bays creating a wide variety of marine and terrestrial habitats, including several listed on Annex I of the E.U. Habitats Directive: large shallow bay, lagoon, Atlantic salt-meadows, drift lines, perennial vegetation of stony banks, embryonic shifting dunes, Marram dunes and dune slacks.

Within the shallow bay, subtidal sediments are characterised by typical bivalve communities in fine sand (*Chamelea striatula* and *Ensis* sp.), and by the polychaete worm *Euclymene* and the bivalve *Thyasira flexuosa* in muddy sand. The intertidal sediment communities are characterised by polychaetes and bivalves in the mid-shore and by the Sand Mason worm *Lanice conchilega* in the low shore. In areas where there is maërl debris with small amounts of live maërl the infaunal community has a mixture of species characteristic of coarse sand (e.g. the bivalves *Timoclea ovata*, *Spisula* sp., and the polychaetes *Nephtys cirrosa* and *Glycera lapidum*) and medium sand (e.g., the bivalve *Ensis* sp. and the polychaetes *Lanice conchilega*, *Scoloplos armiger* and *Sthenelais boa*). The bivalves *Timoclea ovata*, *Tapes rhomboides* and the polychaetes *Branchiommoma bombyx* and *Glycera lapidum* are typical of gravels and medium sands, whereas the bivalves *Abra alba*, *Corbula gibba*, *Thyasira flexuosa* and *Mysella bidentata* and the polychaete *Euclymene* are characteristic of muddy sands. Beds of live maërl of *Lithothamnion corallioides* are also present in a number of areas.

Around the edges of the inner part of the bay are shores of mixed boulders, cobbles, gravel with some sand and mud. They have a typical zonation of intertidal communities found on sheltered shores of mixed substratum. The shore at Moorish is unusual as a distinct zone characterised by arch annelids occurs above the sand hopper zone in the upper shore under the boulders and cobbles. This is an unusual habitat. In sheltered areas of shallow water with little sand scour a well-developed community of hydroids, sponges and solitary sea squirts is present. Where the sediments include gravel and mud the species richness in the area can be exceptionally high (180 species). A number of marine species that are rarely recorded are found in Clew Bay: the stalked jellyfish *Lucernariopsis cruxmelitensis*; the polychaetes *Anitides rosea*, *Clymenura clypeata*, *Pterosyllis formosa* and *Pionosyllis* sp. and the snail *Clypterea chinensis*.

Clew Bay is considered to have the most significant shingle reserves in the country, and has (on the islands) the only examples of incipient gravel barriers in Ireland. Associated with the shingle (and dunes) are good examples of annual vegetation of drift lines. Characteristic species found in these habitats include: Spear-leaved Orache (*Atriplex prostrata*), Red Fescue (*Festuca rubra*), Sea Sandwort (*Honkenya peploides*), Thrift (*Armeria maritima*), Common Scurvygrass (*Cochlearia officinalis*), Sea Mayweed (*Matricaria maritima*) and Sea Campion (*Silene vulgaris* subsp.



*maritima*).

Lough Furnace is located at the north-eastern corner of Clew Bay. The lough is a good example of a deep, stratified, saline lake lagoon in a very natural state. Salinity levels can vary considerably here depending on rainfall and tides. The lake is one of the very few permanently stratified lakes known in Ireland and Britain. The lake is ringed by Common Reed (*Phragmites australis*) and Common Club-rush (*Scirpus lacustris*), with small patches of Great Fen-sedge (*Cladium mariscus*) and Bottle Sedge (*Carex rostrata*). Lough Furnace supports a relatively high faunal diversity (41 taxa recorded in the 1996 survey) including a number of important invertebrate species. The relict mysid species *Neomysis integer*, the isopods *Jaera albifrons*, *J. ischiosetosa* and *J. nordmanni*, and two rare amphipods (*Lembos longipes* and *Leptocheirus pilosus*) have all been recorded from the lake. Both Irish species of tasselweed (*Ruppia maritima* and *R. cirrhosa*) occur in the lagoon. Eel, Flounder and Mullet also occur in the lake waters. Mallard nest around the lough, while Saint's Island contains nesting Black-headed Gull.

At the north-western end of Lough Furnace lie two associated lakes, Lough Napransky and Lough Navroony. A stream drains from the latter into the main lake. The area contains flush and quaking-mire vegetation, which is of interest as Irish Heath (*Erica erigena*) is found there, with Bog Moss (*Sphagnum* spp.), Black Bog-rush (*Schoenus nigricans*), Bog Asphodel (*Narthecium ossifragum*), Common Cottongrass (*Eriophorum angustifolium*) and Round-leaved Sundew (*Drosera rotundifolia*). Bog Orchid (*Hammarbya paludosa*), a species listed in the Irish Red Data Book is also found in this area. Beyond the wet area there is a Hazel (*Corylus avellana*) dominated woodland growing over abandoned fields. Birch (*Betula pubescens*), Hawthorn (*Crataegus monogyna*) and Holly (*Ilex aquifolium*) are common, with occasional Oak (*Quercus petraea*). The ground flora contains such species as Bluebell (*Hyacinthoides non-scripta*), Sanicle (*Sanicula europaea*) and Wood-sorrel (*Oxalis acetosella*).

The Rosmurrevagh area in the north of Clew Bay displays a high diversity of habitats, from seashore to dunes and coastal grassland, as well as saltmarsh, bog and fen. The sandy beach on the seaward side grades into dunes of Marram (*Ammophila arenaria*). Adjacent to this, the saltmarsh vegetation, which is approximately 5 m wide, comprises Thrift, Common Scurvygrass, Common Saltmarsh-grass (*Puccinellia maritima*) and 'turf fucoids' (diminutive forms of brown algae). These plant species are typical of Atlantic salt meadows. Similar saltmarshes occur scattered around the entire shoreline of the bay. Next to the saltmarsh at Rosmurrevagh is an area of coastal grassland with species such as Daisy (*Bellis perennis*), Ribwort Plantain (*Plantago lanceolata*), Dandelion (*Taraxacum officinale*), Heath Wood-rush (*Luzula multiflora*), Common Ragwort (*Senecio jacobaea*) and Yarrow (*Achillea millefolium*). Flushes introduce a species-rich bog/fen type vegetation. Yellow Iris (*Iris pseudacorus*), Soft Rush (*Juncus effusus*), Irish Heath, Bog Mosses, sedges, Water Mint (*Mentha aquatica*), Bog-myrtle (*Myrica gale*), Bog Asphodel and Cuckooflower (*Cardamine pratensis*) are found.

A further dune system occurs at Bartraw in the south-west of the site. Here Marram and embryonic dunes occur along a shingle ridge which links a small island where dunes also occur. Embryonic dunes, characterised by the presence of Sand Couch

(*Elymus farctus*), also occur on some of the islands in the bay.

Important populations of Otter and Common Seal are found in Clew Bay. Both of these species are listed on Annex II of the E.U. Habitats Directive.

The Clew Bay Complex supports a good diversity of wintering waterfowl, with nationally important numbers of Red-breasted Merganser (average maximum of 70 in the winters 1995/96-1999/00) and Ringed Plover (average maximum of 142 in the winters 1995/96-1999/00). A population of Barnacle Geese (between 100 and 200 birds) frequents the islands during winter. Other species which occur in significant numbers include Great Northern Diver (14), Brent Goose (118), Shelduck (74), Wigeon (112), Teal (127), Mallard (64), Oystercatcher (250), Dunlin (450), Bar-tailed Godwit (73), Curlew (373), Redshank (172), Greenshank (10) and Turnstone (27) (all figures are average maxima for the winters 1995/95-1999/00). Species which breed in important numbers include Cormorant (115 pairs in 1985), Common Tern (20+ pairs in 2000/01), Arctic Tern (100+ pairs in 2000/01) and Little Tern (9 pairs in 2000). The various tern species, as well as Barnacle Goose, Great Northern Diver and Bar-tailed Godwit, are listed on Annex I of the E.U. Birds Directive.

The juxtaposition within Clew Bay of a wide variety of habitats, including seven listed on Annex I of the E.U. Habitats Directive, and the combination of important flora and fauna, including one Red Data Book plant and two mammals listed on Annex II of the E.U. Habitats Directive, make this a site of considerable national and international importance.

Site Name: Galway Bay Complex SAC  
Site Code: 268

Situated on the west coast of Ireland, this site comprises the inner, shallow part of a large bay which is partially sheltered by the Aran Islands. The Burren karstic limestone fringes the southern sides and extends into the sublittoral. West of Galway city the bedrock geology is granite. There are numerous shallow and intertidal inlets on the eastern and southern sides, notably Muckinish, Aughinish and Kinvarra Bays. A number of small islands composed of glacial deposits are located along the eastern side. These include Eddy Island, Deer Island and Tawin Island. A diverse range of marine, coastal and terrestrial habitats, including several listed on Annex I of the EU Habitats Directive, occur within the site, making the area of high scientific importance.

Galway Bay South holds a very high number of intertidal communities (12). They range from rocky terraces, to sandy beaches with rock or sand dunes behind. The intertidal sediments of Galway Bay support good examples of communities that are moderately exposed to wave action. A well-defined talitrid zone in the upper shore gives way to an intertidal, mid-shore zone with sparse epifauna or infauna. On the lower, flat part of the shore, the tubes of the deposit-feeding terebellid worm, *Lanice conchilega*, are common on the surface. Nereid and cirratulid polychaete worms (*Hediste diversicolor*, *Arenicola marina*), small crustaceans and bivalves (*Angulus tenuis*, *Cerastoderma edule* and *Macoma balthica*) are present. The area has the country's only recorded example of the intertidal community characterized by *Fucus serratus* with sponges, ascidians and red seaweeds on tide-swept lower eulittoral mixed substrata. This community has very high species richness (85 species), as do the sublittoral fringe communities on the Finavarra reef (88 species). The rare sea urchin *Paracentrotus lividus* and the foliose red alga *Phyllophora sicula* are present at Finavarra, whereas the red alga *Rhodomenia delicatula* and the rare brown alga, *Ascophyllum nodosum* var. *mackii*, occur in Kinvara and Muckinish Bays. Sublittorally, the area has a number of distinctive and important communities. Of particular note is that Ireland's only reported piddock bed thrives in the shallows of Aughinish Bay. The rare sponge, *Mycale contarenii*, is also found here. There is further interest in an extensive maërl bed of *Phymatolithon calcareum* which occurs in the strong tidal currents of Muckinish Bay. There is also maërl off Finavarra Point and in Kinvara Bay (*Lithothamnion corallioides*, *Lithophyllum dentatum* and *Lithophyllum fasciculatum*). An oyster bed in Kinvara Bay and seagrass (*Zostera* spp.) beds off Finavarra Point are also important features. Other significant habitats which occur include secondary maërl beds and communities strongly influenced by tidal streams.

Salt marshes are frequent within this extensive coastal site, with both Atlantic and Mediterranean marshes well represented. Most of the salt marshes are classified as the bay type, with the substrate being mud or mud/sand. There is one lagoon type and one estuary type. Lagoon salt marshes are the rarest type found in Ireland. The best examples of salt marsh are located in inner Galway bay, east of a line running between Galway city and Kinvara. In this area the coastline is highly indented, thus providing the sheltered conditions necessary for extensive salt marsh development. Common salt marsh species include Thrift (*Armeria maritima*), Red Fescue (*Festuca*

*rubra*), Common Scurvygrass (*Cochlearia officinalis*), Sea Lavender (*Limonium humile*), Common Saltmarsh-grass (*Puccinellia maritima*), Saltmarsh Rush (*Juncus gerardii*) and Sea Rush (*Juncus maritimus*). On the lower levels of the salt marshes and within pans there occurs Glasswort (*Salicornia europaea* agg.). A noteworthy feature of the salt-marsh habitat within this site is the presence of dwarfed brown seaweeds in the vegetation. These are also known as "turf fucoids" and typical species include *Fucus* spp., *Ascophyllum nodosum* and *Pelvetia canaliculata*. A number of locally rare vascular plant species also grow in salt-marsh areas within the site. These include *Puccinellia distans* and Sea Purslane (*Halimione portulacoides*), which are both relatively rare in the western half of the country.

Shingle and stony beaches can be found throughout the site, with the best examples along the more exposed shores to the south and west of Galway city and to the north and east of Finnavara, Co. Clare. In general, these shingle shorelines are sparsely vegetated and frequently occur interspersed with areas of sandy beach and/or bedrock shore. The associated flora is dominated by plant species of frequently disturbed maritime habitats. To the south and west of Galway city, typical plants include Curled Dock (*Rumex crispus*), Common Couch (*Elymus repens*), Sea Sandwort (*Honkenya peploides*), Sea Beet (*Beta vulgaris*), Scentless Mayweed (*Matricaria maritima*), Silverweed (*Potentilla anserina*) and *Atriplex* spp.. Two rare plant species are associated with the habitat: Fat Hen (*Hyoscyamus niger*), a threatened species listed in the Irish Red Data Book, grows on shingle beach to the south of Lough Atalia; there are also old records for the threatened plant species Sea Kale (*Crambe maritima*).

An excellent range of lagoons of different types, sizes and salinities occurs within the site. This habitat is given priority status on Annex I of the Habitat Directive. One unusual type of lagoon, karstic rock lagoon, is particularly well represented. This type of lagoon is common on the Aran Islands, but on mainland Ireland, all but one are confined to this one site including the best example of all karstic lagoons in the country (Lough Murree). The flora of the habitat is rich and diverse, reflecting the range of salinities in the different lagoons, and typically brackish with two species of Tasselweed (*Ruppia* spp.), two Red Data charophytes *Chara canescens* and *Lamprothamnion papulosum*, and *Chaetomorpha linum* (all lagoonal specialists). The fauna of the lagoon is also rich, diverse and lagoonal. At least 10 lagoonal specialist species were recorded in 1996 and 1998 from the combined habitat of all the lagoons which is one of the highest number for any lagoonal habitat in the country. Many of the species appear to be rare. The lagoons within this site are an excellent representative of the habitat type and of high conservation importance.

Other terrestrial habitats within this site which are of conservation importance include Saw Sedge (*Cladium mariscus*)-dominated fen and Black Bog-rush (*Schoenus nigricans*)-dominated alkaline fen at Oranmore, a turlough of moderate size at Ballinacourty, limestone pavement mainly along the southern shore, dry calcareous grassland with orchids (best examples occurring east of Salthill), wet grassland and an area of deciduous woodland at Barna.

Inner Galway Bay provides extensive good quality habitat for Common Seals, a species listed on Annex II of the EU Habitats Directive. In 1984, this seal colony was one of the top three sites in the country, with over 140 animals recorded. The seals use a range of haul-out sites distributed through the bay - these include inner Oranmore

Bay, Rabbit Island, St.Brendan's Island, Tawin Island, Kinvarra Bay, Aughinish Bay and Ballyvaughan. The site provides optimum habitat for Otter.

Galway Bay is a very important ornithological site. The shallow waters provide excellent habitat for Great Northern Divers (35), Black-throated Divers (28), Scaup (39), Long-tailed Duck (27) and Red-breasted Merganser (232). (Figures given are peak average maxima over the 3 winters 1994/95 to 1996/97). All of these populations are of national importance. The intertidal areas and shoreline provides feeding and roosting habitat for wintering waterfowl, with Brent Goose (517) having a population of international importance and a further 11 species having populations of national importance. Four of the regular wintering species are listed on Annex I of the EU Birds Directive - Golden Plover, Bar-tailed Godwit and the two diver species. Breeding birds are also of importance, with significant populations of Sandwich Terns (81 pairs in 1995) and Common Terns (99 pairs in 1995), both also being listed on Annex I of the EU Directive. A large Cormorant colony (c.300 pairs in 1989) occurs on Deer Island.

Fishing and aquaculture are the main commercial activities within the site. A concern is that sewage effluent and detritus of the aquaculture industry could be deleterious to benthic communities. Reef and sediment communities are vulnerable to disturbance or compaction from tractors accessing oyster trestles. The *Paracentrotus lividus* populations have been shown to be vulnerable to over-fishing. Extraction of maërl in Galway Bay is a threat. Owing to the proximity of Galway city, shoreline and terrestrial habitats are under pressure from urban expansion and recreational activities. Eutrophication is probably affecting some of the lagoons and is a continued threat. Drainage is a general threat to the turlough and fen habitats. Bird populations may be disturbed by aquaculture activities.

This large coastal site is of immense conservation importance, with many habitats listed on Annex I of the EU Habitats Directive, four of which have priority status (lagoon, Cladium fen, turlough and orchid-rich calcareous grassland). The examples of shallow bays, reefs, lagoons and salt marshes are amongst the best in the country. The site supports an important Common Seal colony and a breeding Otter population, both species that are listed on Annex II of the EU Habitats Directive, and six regular Annex I EU Birds Directive species. The site also has four Red Data Book plant species, plus a host of rare or scarce marine and lagoonal animal and plant species.

## Appendix II Species Lists

Location	<b>Mannin Bay, Slyne Head Peninsula SAC</b>	
Grid Reference	<b>62398 46650</b>	
Date	<b>16 May 2006</b>	
Depth	5m	
Site description	80% Live maërl, 20% dead maërl with broken shell and <i>Zostera marina</i> . Maërl cover was approximately 20cm deep with some very large nodules of living maërl.	
Species	Abundance (DAFOR)	Image Reference Number
<i>Anemonia viridis</i> (Forskål)	A	165065Z
<i>Zostera marina</i> (Linnaeus)	O	165062Z/ 165063Z
<i>Pagurus bernhardus</i> (Linnaeus)	O	
<i>Haliclystus auricula</i> (Rathke)	O	
<i>Corallina officinalis</i> (Linnaeus)	F	
<i>Gibbula cineraria</i> (Linnaeus)	O	
<i>Ensis ensis</i> (Linnaeus)	R	
<i>Gobius paganellus</i> (Linnaeus)	R	
<i>Lanice conchilega</i> (Pallas)	O	16506Z
<i>Turritella communis</i> (Risso)	F	
<i>Asteris rubens</i> (Linnaeus)	R	
<i>Inachus dorsettensis</i> (Pennant)	R	
<i>Maja squinado</i> (Herbst)	O	
<i>Enteromorpha</i> sp.	O	
<i>Marthasterias glacialis</i> (Linnaeus)	R	
<i>Anthopleura ballii</i> (Cocks)	O	
<i>Necora puber</i> (Linnaeus)	R	
Maërl	A	165064Z

[illegible]

Notes: Wide-angle photography was used at this site. Photograph reference images: 287061Z, 287062Z, 287063Z, 287064Z, 287065Z, 287066Z, 287067Z, 287068Z, 2870691Z, 2870610Z, 2870611Z, 2870612Z.



Location	<b>Clew Bay</b>	
Grid Reference	<b>91768 289072</b>	
Date	<b>06/07/06</b>	
Depth	4 m	
Site description	Maërl on mud, living, 80% cover with a dense cover of red algae and other opportunistic algae including <i>Enteromorpha</i> sp. Two species of maërl appeared to be present. Some nodules of living maërl were very large, approximately 3" across. Preliminary laboratory identification by Quercus (Queens University of Belfast) has indicated that one of the maërl species present is likely to be <i>Lithophyllum dentatum</i> .	
Species	Abundance (DAFOR)	Image Reference Number
Maërl	A	67069 to 670619
<i>Haliclona cinerea</i> (Grant)	F	67061/67062/67063
<i>Corallina officinalis</i> (Linnaeus)	O	67064
<i>Carcinus maenas</i> (Linnaeus)	O	67065
<i>Liocarcinus depurator</i> (Linnaeus)	O	67066
<i>Pagurus bernhardus</i> (Linnaeus)	F	67067
<i>Enteromorpha</i> sp.	A	67068
<i>Hydrallmania falcata</i> (Linnaeus)	O	
<i>Sertularia cupressina</i> (Linnaeus)	F	
<i>Callionymus lyra</i> (Linnaeus)	F	
<i>Macropodia tenuirostris</i> (Leach)	R	
<i>Maja squinado</i> (Herbst)	O	
<i>Marthasterias glacialis</i> (Linnaeus)	O	
<i>Gibbula magus</i> (Linnaeus)	F	
<i>Cancer pagurus</i> (Linnaeus)	O	

Notes: Photograph reference numbers 67069, 670610, 670611, 670612, 670613, 670614, 670615, 670616, 670617, 670618 and 670619 provide general habitat images of the maërl bed as described under site description.

[illegible]

Location	<b>Clew Bay</b>		
Grid Reference	<b>91622 285529</b>		
Date	<b>30/06/06</b>		
Depth	5 m		
Site description	Thin covering (approximately 2cm thick) of 80% living maërl, 10% dead maërl on fine sand. Maërl duned in places with clean patches of sand between.		
Species	Abundance (DAFOR)	Image Reference Number	
Maërl (species to be identified)	A	306068/306069/3060610	
<i>Neopentadactyla mixta</i> (Östergren)	O	306062/306063	
<i>Liocarcinus depurator</i> (Linnaeus)	O	306064	
<i>Actinothoe sphyrodeta</i> (Gosse)	F	306065	
<i>Anemonia viridis</i> (Forskål)	O	306068	
<i>Corallina officinalis</i> (Linnaeus)	F		
<i>Pagurus bernhardus</i> (Linnaeus)	F	306066	
<i>Necora puber</i> (Linnaeus)	O	306067	
<i>Chlamys varia</i> (Linnaeus)	R		
<i>Enteromorpha</i> sp.	O		
<i>Myxicola infundibulum</i> (Renier)	O		
<i>Ensis ensis</i> (Linnaeus)	R		
<i>Delesseria sanguinea</i> (Hudson)	O		
Lamouroux			
<i>Botrylloides leachi</i> (Savigny)	O		
<i>Cancer pagurus</i> (Linnaeus)	R		
<i>Lanice conchilega</i> (Pallas)	O	3060611	
<i>Chaetopterus variopedatus</i> (Renier)	F	3060612	
<i>Botryllus leachi</i> (Savigny)	F	3060612	

Notes: Photograph reference number 306061 provides an example of the depth of maërl over the sand substrate.

[illegible]





### **Appendix III Summary Data for Survey Transects**



Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T1	58844	247374	58886	247385	Kelp	Other		Scope
IE002074 T1.1	58886	247385	58921	247400	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE002074 T1.2	58921	247400	58928	247404	Kelp	Other		Scope
IE002074 T1.3	58928	247404	58976	247440	Sand	Other		Scope
IE002074 T1.4	58976	247440	59006	247471	Kelp	Other		Scope
IE002074 T1.5	59006	247471	End Point	End Point	Kelp	Other		Scope
IE002074 T2	59099	247447	59053	247440	Kelp	Other		Scope
IE002074 T2.1	59053	247440	59020	247420	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	With Kelp	Scope
IE002074 T2.2	59020	247420	58953	247369	Sand	Other		Scope
IE002074 T2.3	58953	247369	58941	247360	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T2.4	58941	247360	58838	247282	Sand	Other		Scope
IE002074 T2.5	58838	247282	End Point	End Point	Sand	Other		Scope
IE002074 T3	58844	247121	58863	247120	Sand	Other		Scope
IE002074 T3.1	58863	247120	58894	247123	Kelp	Other		Scope
IE002074 T3.2	58894	247123	58924	247127	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE002074 T3.3	58924	247127	58970	247147	Sand	Other		Scope
IE002074 T3.4	58970	247147	59001	247161	Kelp	Other		Scope
IE002074 T3.5	59001	247161	59066	247191	Sand	Other		Scope
IE002074 T3.6	59066	247191	59152	247235	Kelp	Other		Scope
IE002074 T3.7	59152	247235	End Point	End Point	Kelp	Other		Scope
IE002074 T4	59219	247228	59175	247202	Sand	Other		Scope
IE002074 T4.1	59175	247202	59010	247119	Kelp	Other		Scope
IE002074 T4.2	59010	247119	58998	247113	Sand	Other		Scope
IE002074 T4.3	58998	247113	58983	247104	Kelp	Other		Scope
IE002074 T4.4	58983	247104	58959	247089	Sand	Other		Scope
IE002074 T4.5	58959	247089	58920	247062	Kelp	Other		Scope
IE002074 T4.6	58920	247062	58914	247057	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002074 T4.7	58914	247057	58910	247054	Kelp	Other		Scope
IE002074 T4.8	58910	247054	End Point	End Point	Kelp	Other		Scope
IE002074 T5	58950	247052	58960	247098	Kelp	Other		Scope
IE002074 T5.1	58960	247098	58951	247124	Kelp	Other		Scope
IE002074 T5.2	58951	247124	58947	247139	Sand	Other		Scope
IE002074 T5.3	58947	247139	58938	247169	Kelp	Other		Scope
IE002074 T5.4	58938	247169	58935	247179	Sand	Other		Scope
IE002074 T5.5	58935	247179	58930	247193	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002074 T5.6	58930	247193	58924	247214	Sand	Other		Scope
IE002074 T5.7	58924	247214	58921	247224	Kelp	Other		Scope
IE002074 T5.8	58921	247224	58892	247338	Sand	Other		Scope
IE002074 T5.9	58892	247338	58889	247351	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002074 T5.10	58889	247351	End Point	End Point	Sand	Other		Scope
IE002074 T6	59115	246837	59087	246847	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002074 T6.1	59087	246847	59074	246856	Kelp	Other		Scope

IE002074 T6.2	59074	246856	59002	246931	Sand	Other		Scope
IE002074 T6.3	59002	246931	58981	246952	Kelp	Other		Scope
IE002074 T6.4	58981	246952	58961	246969	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With kelp	Scope
IE002074 T6.5	58961	246969	58941	246990	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With kelp	Scope
IE002074 T6.6	58941	246990	58924	247012	With kelp	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T6.7	58924	247012	58909	247034	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With kelp	Scope
IE002074 T6.8	58909	247034	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE002074 T7	59017	247091	59133	246998	With kelp	Other		Scope
IE002074 T7.1	59133	246998	59253	246886	Vision gone	Other	Vision through scope insufficient to view seabed	Scope
IE002074 T7.2	59253	246886	59325	246818	Sand	Other		Scope
IE002074 T7.3	59325	246818	59384	246753	Kelp	Other		Scope
IE002074 T7.4	59384	246753	59404	246728	Sand	Other		Scope
IE002074 T7.5	59404	246728	End Point	End Point	Sand	Other		Scope
IE002074 T8	59176	246937	59299	246849	Sand	Other	Grab sample, depth 11m	Scope
IE002074 T8.1	59299	246849	59405	246771	Kelp	Other		Scope
IE002074 T8.2	59405	246771	End Point	End Point	Sand	Other		Scope
IE002074 T9	59433	246757	59472	246772	Sand	Other		Scope
IE002074 T9.1	59472	246772	59488	246780	Sand	Other		Scope
IE002074 T9.2	59488	246780	59565	246826	Kelp	Other		Scope
IE002074 T9.3	59565	246826	End Point	End Point	Kelp	Other		Scope
IE002074 T10	61127	247182	End Point	End Point	Sand	Other	Spot dive to 16m, fine sand	Dive
IE002074 T11	61175	247088	End Point	End Point	Sand	Other	Spot dive to 9m, sand with Maërl fragments	Dive
IE002074 T12.1	61186	247092	61273	247047	Sand	Other		Scope
IE002074 T12.2	61273	247047	61301	247017	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T12.3	61301	247017	End Point	End Point	Maërl Dead	Maërl Dead	100 percent dead Maërl	Scope
IE002074 T13	61349	246965	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 50 percent live 50 percent dead Maërl	Dive
IE002074 T14	61425	246872	61481	246833	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074 T14.1	61481	246833	61548	246775	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead		Scope
IE002074 T14.2	61548	246775	61607	246727	<i>Zostera marina</i> Rare Patchy Maërl Dead	<i>Zostera marina</i> Rare Patchy Maërl Dead		Scope
IE002074 T14.3	61607	246727	61642	246675	<i>Zostera marina</i> Rare Maërl Living & Dead	<i>Zostera marina</i> Rare Maërl Living & Dead		Scope
IE002074 T14.4	61642	246675	61715	246599	Sand	Other		Scope
IE002074 T14.5	61715	246599	61757	246575	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead		Scope
IE002074 T14.6	61757	246575	61800	246545	Maërl Living	Maërl Living		Scope
IE002074 T14.7	61800	246545	61825	246524	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T14.8	61825	246524	61896	246475	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T14.9	61896	246475	61936	246460	Maërl Dead	Maërl Dead		Scope
IE002074 T14.10	61936	246460	61953	246449	Maërl Living	Maërl Living		Scope
IE002074 T14.11	61953	246449	62013	246404	<i>Zostera marina</i> Occasional Patchy Maërl Living	<i>Zostera marina</i> Occasional Patchy Maërl Living		Scope
IE002074 T14.12	62013	246404	62065	246369	<i>Zostera marina</i> Occasional Patchy Maërl Living &	<i>Zostera marina</i> Occasional Patchy Maërl Living &	50 percent live 50 percent dead Maërl	Scope

					Dead	Dead		
IE002074_T14.13	62065	246369	62221	246250	Maërl Dead	Maërl Dead		Scope
IE002074_T14.14	62221	246250	62237	246239	<i>Zostera marina</i> Rare Patchy Maërl Dead	<i>Zostera marina</i> Rare Patchy Maërl Dead		Scope
IE002074_T14.15	62237	246239	62258	246226	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead		Scope
IE002074_T14.16	62258	246226	62281	246211	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T14.17	62281	246211	62440	246059	Maërl Dead	Maërl Dead		Scope
IE002074_T14.18	62440	246059	62477	246028	<i>Zostera marina</i> Occasional Patchy Maërl Living	<i>Zostera marina</i> Occasional Patchy Maërl Living	100 percent live Maërl	Scope
IE002074_T14.19	62477	246028	62559	245942	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T14.20	62559	245942	62583	245920	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074_T14.21	62583	245920	62607	245896	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead		Scope
IE002074_T14.22	62607	245896	62745	245785	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074_T14.23	62745	245785	62812	245747	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	Spot dive	Scope
IE002074_T14.24	62812	245747	End Point	End Point	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T15.1	62007	245616	62050	245640	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002074_T15.2	62050	245640	62079	245664	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand	Scope
IE002074_T15.3	62079	245664	62204	245808	Sand	Other	With macroalgae, <i>Ulva lactuca</i> , <i>Ascophyllum nodosum</i> and <i>Chorda filum</i>	Scope
IE002074_T15.4	62204	245808	62242	245852	Maërl Living & Dead	Maërl Living & Dead	On sand	Scope
IE002074_T15.5	62242	245852	62349	245969	<i>Zostera marina</i> Rare Patchy Maërl Living & Dead	<i>Zostera marina</i> Rare Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T15.6	62349	245969	62395	246023	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T15.7	62395	246023	62428	246072	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074_T15.8	62428	246072	62446	246103	Maërl Dead	Maërl Dead	10 percent live Maërl	Scope
IE002074_T15.9	62446	246103	62466	246138	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead		Scope
IE002074_T15.10	62466	246138	62493	246181	<i>Zostera marina</i> Rare Maërl Living & Dead	<i>Zostera marina</i> Rare Maërl Living & Dead		Scope
IE002074_T15.11	62493	246181	62509	246205	Maërl Dead	Maërl Dead		Scope
IE002074_T15.12	62509	246205	62560	246281	<i>Zostera marina</i> Rare Maërl Living	<i>Zostera marina</i> Rare Maërl Living		Scope
IE002074_T15.13	62560	246281	62619	246375	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T15.14	62619	246375	62666	246462	<i>Zostera marina</i> Rare Maërl Living & Dead	<i>Zostera marina</i> Rare Maërl Living & Dead		Scope
IE002074_T15.15	62666	246462	62847	246796	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074_T15.16	62847	246796	62952	246985	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T15.17	62952	246985	62987	247021	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T15.18	62987	247021	End Point	End Point	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> continues on to shore	Scope
IE002074_T16	62985	247008	End Point	End Point	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T16.1	62948	246968	62920	246877	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T16.2	62920	246877	62914	246542	Maërl Living & Dead	Maërl Living & Dead	Good bed of Maërl	Scope

IE002074_T16.3	62914	246542	62887	246502	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T16.4	62887	246502	62874	246485	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074_T16.5	62874	246485	62867	246471	Kelp	Other		Scope
IE002074_T16.6	62867	246471	62856	246455	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074_T16.7	62856	246455	62855	246333	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T16.8	62855	246333	62874	246207	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T16.9	62874	246207	62875	246089	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T16.10	62875	246089	62887	246006	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T16.11	62887	246006	62908	245915	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074_T16.12	62908	245915	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Good bed of Maërl <i>Zostera marina</i> continues to shore	Scope
IE002074_T17	62905	245867	62884	245843	Maërl Dead	Maërl Dead		Scope
IE002074_T17.1	62884	245843	62817	245806	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T17.2	62817	245806	62769	245782	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T17.3	62769	245782	62697	245741	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T17.4	62697	245741	62614	245699	Maërl Dead	Maërl Dead		Scope
IE002074_T17.5	62614	245699	62596	245690	Sand	Other		Scope
IE002074_T17.6	62596	245690	62573	245680	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand	Scope
IE002074_T17.7	62573	245680	62520	245666	Sand	Other	With macroalgae	Scope
IE002074_T17.8	62520	245666	End Point	End Point	Sand	Other		Scope
IE002074_T18	62367	245646	62288	245624	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002074_T18.1	62288	245624	End Point	End Point	<i>Zostera marina</i> Rare Patchy	<i>Zostera marina</i> Rare Patchy	Spot dive	Dive
IE002074_T18.2	62752	246609	62302	246299	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074_T18.3	62302	246299	62350	246397	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074_T18.4	62350	246397	62455	246605	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T18.5	62455	246605	62573	246879	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074_T18.6	62573	246879	62615	246982	Maërl Living & Dead	Maërl Living & Dead	80 percent live Maërl	Scope
IE002074_T18.7	62615	246982	62637	247040	Maërl Living	Maërl Living	100 percent live Maërl	Scope
IE002074_T18.8	62637	247040	62659	247119	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T18.9	62659	247119	62672	247174	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE002074_T18.10	62672	247174	62683	247222	Maërl Living & Dead	Maërl Living & Dead	80 percent dead Maërl	Scope
IE002074_T18.11	62683	247222	End Point	End Point	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope

IE002074 T19	62572	247272	62521	247298	Kelp	Other		Scope
IE002074 T19.1	62521	247298	End Point	End Point	Kelp	Other		Scope
IE002074 T20	62527	247293	62508	247242	Kelp	Other		Scope
IE002074 T20.1	62508	247242	62494	247222	Sand	Other		Scope
IE002074 T20.2	62494	247222	62379	247038	Maërl Living & Dead	Maërl Living & Dead	80 percent dead Maërl	Scope
IE002074 T20.3	62379	247038	62342	246908	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T20.4	62342	246908	62311	246820	Maërl Living & Dead	Maërl Living & Dead	Banded Maërl	Scope
IE002074 T20.5	62311	246820	62303	246750	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074 T20.6	62303	246750	62317	246692	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074 T20.7	62317	246692	62275	246599	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl With shell	Scope
IE002074 T20.8	62275	246599	62257	246552	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On sand	Scope
IE002074 T20.9	62257	246552	62220	246483	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T20.10	62220	246483	62176	246370	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T20.11	62176	246370	62128	246266	Maërl Dead	Maërl Dead		Scope
IE002074 T20.12	62128	246266	62115	246245	Maërl Dead	Maërl Dead		Scope
IE002074 T20.13	62115	246245	62032	246052	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074 T20.14	62032	246052	62022	246031	<i>Zostera marina</i> Occasional Patchy Maërl	<i>Zostera marina</i> Occasional Patchy Maërl		Scope
IE002074 T20.15	62022	246031	61989	245961	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002074 T20.16	61989	245961	61971	245917	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	On sand	Scope
IE002074 T20.17	61971	245917	61962	245891	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T20.18	61962	245891	61945	245846	Sand	Other	With macroalgae no <i>Zostera marina</i> found	Scope
IE002074 T20.19	61945	245846	61931	245824	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002074 T20.20	61931	245824	End Point	End Point	Sand	Other		Scope
IE002074 T21	61955	245793	61960	245805	Sand	Other		Scope
IE002074 T21.1	61960	245805	61919	245838	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	On sand	Scope
IE002074 T21.2	61919	245838	61891	245874	Sand	Other		Scope
IE002074 T21.3	61891	245874	61886	245883	Sand	Other		Scope
IE002074 T21.4	61886	245883	61883	245886	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T21.5	61883	245886	61856	245900	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE002074 T21.6	61856	245900	61838	245930	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T21.7	61838	245930	61823	245958	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T21.8	61823	245958	61781	246008	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T21.9	61781	246008	61767	246028	Sand	Other		Scope
IE002074 T21.10	61767	246028	61749	246063	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On sand	Scope
IE002074 T21.11	61749	246063	61725	246103	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T21.12	61725	246103	61707	246142	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE002074 T21.13	61707	246142	61739	246174	Sand	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T21.14	61739	246174	61762	246198	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On sand	Scope
IE002074 T21.15	61762	246198	61795	246235	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope



IE002074 T21.16	61795	246235	61822	246270	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T21.17	61822	246270	61835	246288	Sand	Other		Scope
IE002074 T21.18	61835	246288	61853	246316	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002074 T21.19	61853	246316	61889	246366	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE002074 T21.20	61889	246366	61920	246401	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T21.21	61920	246401	61937	246431	Maërl Dead	Maërl Dead		Scope
IE002074 T21.22	61937	246431	61953	246456	<i>Zostera marina</i> Abundant Patchy Maërl Living & Dead	<i>Zostera marina</i> Abundant Patchy Maërl Living & Dead		Scope
IE002074 T21.23	61953	246456	61977	246504	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead		Scope
IE002074 T21.24	61977	246504	61984	246526	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead		Scope
IE002074 T21.25	61984	246526	End Point	End Point	<i>Zostera marina</i> Frequent Maërl	<i>Zostera marina</i> Frequent Maërl		Scope
IE002074 T22	62046	246594	62054	246642	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074 T22.1	62054	246642	62063	246663	Kelp	Other		Scope
IE002074 T22.2	62063	246663	62073	246690	Maërl Dead	Maërl Dead		Scope
IE002074 T22.3	62073	246690	62087	246739	Kelp	Other		Scope
IE002074 T22.4	62087	246739	62128	246820	Maërl Dead	Maërl Dead		Scope
IE002074 T22.5	62128	246820	62136	246843	Maërl Dead	Maërl Dead		Scope
IE002074 T22.6	62136	246843	62177	246966	Kelp	Other		Scope
IE002074 T22.7	62177	246966	62186	247015	Sand	Other		Scope
IE002074 T22.8	62186	247015	62200	247260	Maërl Dead	Maërl Dead	On sand	Scope
IE002074 T22.9	62200	247260	62215	247332	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T22.10	62215	247332	62259	247420	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T22.11	62259	247420	62327	247410	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T22.12	62327	247410	62369	247407	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead		Scope
IE002074 T22.13	62369	247407	62441	247399	Kelp	Other		Scope
IE002074 T22.14	62441	247399	End Point	End Point	Kelp	Other		Scope
IE002074 T23	62123	247330	62191	247303	Maërl Dead	Maërl Dead		Scope
IE002074 T23.1	62191	247303	62399	247246	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T23.2	62399	247246	62525	247210	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074 T23.3	62525	247210	62616	247185	Maërl Dead	Maërl Dead		Scope
IE002074 T23.4	62616	247185	62704	247164	Maërl Dead	Maërl Dead	On sand	Scope
IE002074 T23.5	62704	247164	62725	247080	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T23.6	62725	247080	62788	247058	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl with sand	Scope
IE002074 T23.7	62788	247058	62833	247058	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T23.8	62833	247058	62892	247058	Kelp	Other		Scope
IE002074 T23.9	62892	247058	63090	247030	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T23.10	63090	247030	End Point	End Point	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	Good bed of <i>Zostera marina</i> on live and dead Maërl, bed ended in kelp	Scope

IE002074_T24	63048	247024	63122	247091	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T24.1	63122	247091	End Point	End Point	Sand	Other		Scope
IE002074_T25	63145	247105	63140	247154	Sand	Other	With macroalgae	Scope
IE002074_T25.1	63140	247154	63135	247172	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead		Scope
IE002074_T25.2	63135	247172	63118	247206	Kelp	Other		Scope
IE002074_T25.3	63118	247206	63087	247232	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	With kelp	Scope
IE002074_T25.4	63087	247232	End Point	End Point	<i>Zostera marina</i> Frequent Patchy Maërl Dead	<i>Zostera marina</i> Frequent Patchy Maërl Dead	With Kelp	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074_T26	63095	247231	63117	247168	<i>Zostera marina</i> Frequent Patchy Maërl Dead	<i>Zostera marina</i> Frequent Patchy Maërl Dead		Scope
IE002074_T26.1	63117	247168	63113	247026	Kelp	Other		Scope
IE002074_T26.2	63113	247026	63112	247015	Kelp	Other		Scope
IE002074_T26.3	63112	247015	63112	246955	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T26.4	63112	246955	63111	246913	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead		Scope
IE002074_T26.5	63111	246913	63109	246897	Maërl Dead	Maërl Dead		Scope
IE002074_T26.6	63109	246897	63108	246855	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T26.7	63108	246855	63111	246756	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead		Scope
IE002074_T26.8	63111	246756	63111	246673	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T26.9	63111	246673	End Point	End Point	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead		Scope
IE002074_T27	63071	246659	63038	246671	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T27.1	63038	246671	62998	246676	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074_T27.2	62998	246676	62880	246700	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T27.3	62880	246700	62760	246719	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074_T27.4	62760	246719	62461	246720	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T27.5	62461	246720	62183	246699	Maërl Dead	Maërl Dead		Scope
IE002074_T27.6	62183	246699	62099	246681	Sand	Other	With dead Maërl pieces	Scope
IE002074_T27.7	62099	246681	62039	246682	Kelp	Other		Scope
IE002074_T27.8	62039	246682	62341	246782	Maërl Dead	Maërl Dead	On sand	Scope
IE002074_T27.9	62341	246782	62417	247082	Sand	Other	With some fragments of dead Maërl	Scope
IE002074_T27.10	62417	247082	62660	247024	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T27.11	62660	247024	62769	247006	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074_T27.12	62769	247006	62831	246949	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T27.13	62831	246949	62933	246951	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T27.14	62933	246951	62966	246947	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074_T27.15	62966	246947	63065	246934	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T27.16	63065	246934	63136	246934	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074_T27.17	63136	246934	End Point	End Point	Kelp	Other		Scope
IE002074_T28	63101	246822	63038	246840	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope

IE002074 T29.1	63038	246840	63000	246847	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T29.2	63000	246847	62943	246859	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T29.3	62943	246859	62907	246864	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead		Scope
IE002074 T29.4	62907	246864	62860	246872	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T29.5	62860	246872	62731	246891	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T29.6	62731	246891	62487	246925	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T29.7	62487	246925	62411	246938	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T29.8	62411	246938	62373	246939	Maërl Dead	Maërl Dead		Scope
IE002074 T29.9	62373	246939	End Point	End Point	Maërl Dead	Maërl Dead	Vision through scope insufficient to view seabed	Scope
IE002074 T30	62228	246664	62338	246599	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074 T30.1	62338	246599	62488	246522	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T30.2	62488	246522	62577	246477	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T30.3	62577	246477	62690	246412	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074 T30.4	62690	246412	62807	246348	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T30.5	62807	246348	62829	246335	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T30.6	62829	246335	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T31	62825	246239	62795	246190	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T31.1	62795	246190	62774	246155	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T31.2	62774	246155	62714	246036	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T31.3	62714	246036	62695	246005	Maërl Dead	Maërl Dead		Scope
IE002074 T31.4	62695	246005	62676	245973	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE002074 T31.5	62676	245973	62653	245940	Maërl Dead	Maërl Dead		Scope
IE002074 T31.6	62653	245940	62625	245901	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T31.7	62625	245901	62590	245846	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T31.8	62590	245846	62569	245817	Sand	Other		Scope
IE002074 T31.9	62569	245817	End Point	End Point	Sand	Other		Scope
IE002074 T32	62370	245803	62351	245822	<i>Zostera marina</i> Frequent Patchy Maërl Dead	<i>Zostera marina</i> Frequent Patchy Maërl Dead		Scope
IE002074 T32.1	62351	245822	62284	245881	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead		Scope
IE002074 T32.2	62284	245881	62253	245902	<i>Zostera marina</i> Rare Patchy Maërl Dead	<i>Zostera marina</i> Rare Patchy Maërl Dead		Scope
IE002074 T32.3	62253	245902	62190	245964	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T32.4	62190	245964	62148	246000	<i>Zostera marina</i> Frequent Patchy Maërl Dead	<i>Zostera marina</i> Frequent Patchy Maërl Dead		Scope
IE002074 T32.5	62148	246000	62104	246033	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T32.6	62104	246033	62090	246046	Maërl Dead	Maërl Dead		Scope
IE002074 T32.7	62090	246046	61974	246153	<i>Zostera marina</i> Frequent Patchy Maërl Living	<i>Zostera marina</i> Frequent Patchy Maërl Living		Scope
IE002074 T32.8	61974	246153	61728	246357	<i>Zostera marina</i> Frequent Patchy Maërl Dead	<i>Zostera marina</i> Frequent Patchy Maërl Dead		Scope
IE002074 T32.9	61728	246357	End Point	End Point	Maërl Dead	Maërl Dead		Scope
IE002074 T33	61684	246389	61618	246462	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE002074 T33.1	61618	246462	61585	246477	Kelp	Other		Scope
IE002074 T33.2	61585	246477	61560	246488	<i>Zostera marina</i> Occasional Maërl Dead	<i>Zostera marina</i> Occasional Maërl Dead		Scope

IE002074 T33.3	61560	246488	End Point	End Point	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE002074 T34	62085	246543	62151	246507	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T34.1	62151	246507	62323	246401	Maërl Dead	Maërl Dead	Occurring in bands with shell	Scope
IE002074 T34.2	62323	246401	62459	246314	Maërl Dead	Maërl Dead		Scope
IE002074 T34.3	62459	246314	62616	246212	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T34.4	62616	246212	62649	246191	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T34.5	62649	246191	62714	246152	Kelp	Other		Scope
IE002074 T34.6	62714	246152	62827	246113	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T34.7	62827	246113	62951	246078	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T34.8	62951	246078	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074 T35	61025	246228	61067	246351	Sand	Other		Scope
IE002074 T35.1	61067	246351	61091	246430	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE002074 T35.2	61091	246430	61400	246740	Maërl Living	Maërl Living		Scope
IE002074 T35.3	61400	246740	61298	246624	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE002074 T35.4	61298	246624	61263	246586	Maërl Dead	Maërl Dead		Scope
IE002074 T35.5	61263	246586	61257	246540	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T35.6	61257	246540	61208	246520	Maërl Dead	Maërl Dead		Scope
IE002074 T35.7	61208	246520	61162	246456	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T35.8	61162	246456	61116	246396	Sand	Other	With shell	Scope
IE002074 T35.9	61116	246396	61068	246346	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002074 T35.10	61068	246346	End Point	End Point	Sand	Other		Scope
IE002074 T36.1	61094	246266	61185	246252	Sand	Other		Scope
IE002074 T36.2	61185	246252	61204	246254	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE002074 T36.3	61204	246254	61234	246257	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE002074 T36.4	61234	246257	61255	246258	Sand	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T36.5	61255	246258	61278	246261	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE002074 T36.6	61278	246261	61300	246266	Sand	Other		Scope
IE002074 T36.7	61300	246266	61387	246303	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE002074 T36.8	61387	246303	61405	246315	Kelp	Other		Scope
IE002074 T36.9	61405	246315	End Point	End Point	Kelp	Other		Scope
IE002074 T37	61416	246324	61477	246388	Kelp	Other		Scope
IE002074 T37.1	61477	246388	61506	246416	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE002074 T37.2	61506	246416	61518	246428	Kelp	Other		Scope
IE002074 T37.3	61518	246428	61540	246451	Sand	Other		Scope
IE002074 T37.4	61540	246451	61616	246509	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002074 T37.5	61616	246509	61653	246542	Sand	Other		Scope
IE002074 T37.6	61653	246542	61683	246568	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE002074 T37.7	61683	246568	61769	246640	<i>Zostera marina</i> Frequent Patchy Maërl Living	<i>Zostera marina</i> Frequent Patchy Maërl Living	With shell	Scope
IE002074 T37.8	61769	246640	61783	246655	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE002074 T37.9	61783	246655	61777	246692	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE002074 T37.10	61777	246692	61781	246716	<i>Zostera marina</i> Occasional Maërl Living	<i>Zostera marina</i> Occasional Maërl Living		Scope

IE002074 T37.11	61781	246716	61803	246759	Kelp	Other		Scope
IE002074 T37.12	61803	246759	61823	246798	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T37.13	61823	246798	61831	246813	Maërl Dead	Maërl Dead		Scope
IE002074 T37.14	61831	246813	61875	246878	Kelp	Other		Scope
IE002074 T37.15	61875	246878	61894	246941	Sand	Other		Scope
IE002074 T37.16	61894	246941	61914	247002	Maërl Living & Dead	Maërl Living & Dead	80 percent dead Maërl 20 percent live Maërl	Scope
IE002074 T37.17	61914	247002	61946	247064	Sand	Other		Scope
IE002074 T37.18	61946	247064	End Point	End Point	Sand	Other	With dead Maërl	Scope
IE002074 T38	61706	247004	61679	246996	Maërl Living & Dead	Maërl Living & Dead	70 percent dead 30 percent live Maërl	Scope
IE002074 T38.1	61679	246996	61664	247006	Kelp	Other		Scope
IE002074 T38.2	61664	247006	61646	247022	Maërl Living & Dead	Maërl Living & Dead	70 percent dead 30 percent live Maërl	Scope
IE002074 T38.3	61646	247022	61588	247059	Maërl Living	Maërl Living		Scope
IE002074 T38.4	61588	247059	End Point	End Point	Maërl Living	Maërl Living		Scope
IE002074 T39	61672	246912	61686	246892	Sand	Other		Scope
IE002074 T39.1	61686	246892	61684	246875	Kelp	Other		Scope
IE002074 T39.2	61684	246875	61681	246866	Sand	Other		Scope
IE002074 T39.3	61681	246866	61672	246845	Kelp	Other		Scope
IE002074 T39.4	61672	246845	61658	246817	Maërl Dead	Maërl Dead		Scope
IE002074 T39.5	61658	246817	61646	246791	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T39.6	61646	246791	61621	246731	Maërl Dead	Maërl Dead		Scope
IE002074 T39.7	61621	246731	61602	246704	Maërl Living & Dead	Maërl Living & Dead	70 percent dead 30 percent live Maërl	Scope
IE002074 T39.8	61602	246704	61565	246657	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	70 percent dead 30 percent live Maërl	Scope
IE002074 T39.9	61565	246657	61551	246644	Maërl Dead	Maërl Dead		Scope
IE002074 T39.10	61551	246644	61527	246621	<i>Zostera marina</i> Frequent Patchy Maërl Dead	<i>Zostera marina</i> Frequent Patchy Maërl Dead		Scope
IE002074 T39.11	61527	246621	61502	246600	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T39.12	61502	246600	61493	246593	Maërl Dead	Maërl Dead		Scope
IE002074 T39.13	61493	246593	61437	246544	<i>Zostera marina</i> Frequent Patchy Maërl Dead	<i>Zostera marina</i> Frequent Patchy Maërl Dead		Scope
IE002074 T39.14	61437	246544	61425	246532	Maërl Dead	Maërl Dead		Scope
IE002074 T39.15	61425	246532	61374	246490	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T39.16	61374	246490	61348	246466	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T39.17	61348	246466	61312	246432	Maërl Dead	Maërl Dead		Scope
IE002074 T39.18	61312	246432	61243	246365	Maërl Dead	Maërl Dead	On sand	Scope
IE002074 T39.19	61243	246365	61231	246354	Kelp	Other		Scope
IE002074 T39.20	61231	246354	End Point	End Point	Kelp	Other		Scope
IE002074 T40	61145	246393	61114	246409	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T40.1	61114	246409	61083	246424	Maërl Living	Maërl Living		Scope
IE002074 T40.2	61083	246424	61056	246439	Maërl Living	Maërl Living		Scope
IE002074 T40.3	61056	246439	61034	246452	Maërl Dead	Maërl Dead		Scope



IE002074 T40.4	61034	246452	60999	246471	Kelp	Other		Scope
IE002074 T40.5	60999	246471	60987	246478	Kelp	Other		Scope
IE002074 T40.6	60987	246478	60969	246489	Maërl Dead	Maërl Dead		Scope
IE002074 T40.7	60969	246489	60957	246498	Kelp	Other		Scope
IE002074 T40.8	60957	246498	60926	246516	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	On dead Maërl	Scope
IE002074 T40.9	60926	246516	60806	246567	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T40.10	60806	246567	60764	246596	Kelp	Other		Scope
IE002074 T40.11	60764	246596	60734	246636	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T40.12	60734	246636	End Point	End Point	Maërl Dead	Maërl Dead	Patchy distribution 50 percent live 50 percent dead Maërl	Scope
IE002074 T41	62045	248049	62223	247979	Maërl Living	Maërl Living	50 percent live 50 percent dead Maërl	Scope
IE002074 T41.1	62223	247979	62263	247968	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T41.2	62263	247968	62421	247915	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T41.3	62421	247915	62438	247910	Kelp	Other		Scope
IE002074 T41.4	62438	247910	62565	247866	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T41.5	62565	247866	62599	247861	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T41.6	62599	247861	62626	247846	Maërl Living & Dead	Maërl Living & Dead	With kelp	Scope
IE002074 T41.7	62626	247846	62680	247814	Kelp	Other		Scope
IE002074 T41.8	62680	247814	62690	247810	Kelp	Other		Scope
IE002074 T41.9	62690	247810	62741	247789	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T41.10	62741	247789	62758	247782	Kelp	Other		Scope
IE002074 T41.11	62758	247782	62859	247742	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T41.12	62859	247742	62949	247710	Maërl Living	Maërl Living		Scope
IE002074 T41.13	62949	247710	62990	247701	Maërl Living & Dead	Maërl Living & Dead	20 percent dead 80 percent live Maërl	Scope
IE002074 T41.14	62990	247701	63059	247684	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T41.15	63059	247684	63102	247673	Sand	Other	20 percent dead 80 percent live Maërl	Scope
IE002074 T41.16	63102	247673	63117	247667	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T41.17	63117	247667	63152	247658	Sand	Other	With shell and dead Maërl	Scope
IE002074 T41.18	63152	247658	63161	247656	Kelp	Other		Scope
IE002074 T41.19	63161	247656	63188	247648	Sand	Other	With shell and dead Maërl	Scope
IE002074 T41.20	63188	247648	63219	247641	Maërl Living	Maërl Living	With shell	Scope
IE002074 T41.21	63219	247641	63251	247647	Sand	Other	With dead Maërl and shell	Scope
IE002074 T41.22	63251	247647	63279	247654	Kelp	Other		Scope
IE002074 T41.23	63279	247654	63305	247663	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE002074 T41.24	63305	247663	63354	247665	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead		Scope
IE002074 T41.25	63354	247665	63383	247662	Maërl Living & Dead	Maërl Living & Dead	20 percent dead 80 percent live Maërl	Scope
IE002074 T41.26	63383	247662	63411	247658	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T41.27	63411	247658	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T42	63405	247565	63366	247554	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 live Maërl	Scope
IE002074 T42.1	63366	247554	63290	247573	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T42.2	63290	247573	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell	Scope

IE002074 T43	63276	247569	End Point	End Point	Maërl Dead	Maërl Dead	Spot dive	Dive
IE002074 T44	63203	247582	63139	247566	Maërl Dead	Maërl Dead	80 percent dead 20 live Maërl	Scope
IE002074 T44.1	63139	247566	63100	247577	Maërl Living & Dead	Maërl Living & Dead	With 80 percent shell	Scope
IE002074 T44.2	63100	247577	63084	247583	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T44.3	63084	247583	63022	247610	Sand	Other		Scope
IE002074 T44.5	62998	247620	62939	247641	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T44.6	62939	247641	62890	247658	Sand	Other	With live and dead Maërl	Scope
IE002074 T44.7	62890	247658	62781	247702	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T44.8	62781	247702	62758	247705	Maërl Dead	Maërl Dead		Scope
IE002074 T44.9	62758	247705	62606	247773	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074 T44.10	62606	247773	62490	247826	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T44.11	62490	247826	End Point	End Point	Vision Gone	Other	Vision insufficient to view seabed	Scope
IE002074 T45	64489	247675	End Point	End Point	Mud	Other	Spot dive	Dive
IE002074 T46	62207	246633	62173	246682	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead		Scope
IE002074 T46.1	62173	246682	62142	246729	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T46.2	62142	246729	62027	246865	Maërl Dead	Maërl Dead		Scope
IE002074 T46.3	62027	246865	61908	246945	Maërl Dead	Maërl Dead		Scope
IE002074 T46.4	61908	246945	61807	247049	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl with shell	Scope
IE002074 T46.5	61807	247049	61772	247068	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T46.6	61772	247068	61736	247111	Maërl Living	Maërl Living	With shell	Scope
IE002074 T46.7	61736	247111	61686	247125	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T46.8	61686	247125	61574	247213	Maërl Living	Maërl Living	100 percent live Maërl	Scope
IE002074 T46.9	61574	247213	End Point	End Point	Maërl Dead	Maërl Dead		Scope
IE002074 T47	62106	247074	62213	247037	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T47.1	62213	247037	62257	247019	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl with shell	Scope
IE002074 T47.2	62257	247019	62364	246980	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl with shell	Scope
IE002074 T47.3	62364	246980	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl with shell	Scope
IE002074 T48	62391	247001	62380	247096	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl with shell	Scope
IE002074 T48.1	62380	247096	62378	247117	Maërl Living	Maërl Living		Scope
IE002074 T48.2	62378	247117	62376	247138	Maërl Dead	Maërl Dead		Scope
IE002074 T48.3	62376	247138	62373	247174	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T48.4	62373	247174	62367	247234	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T48.5	62367	247234	62355	247305	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl with shell	Scope
IE002074 T48.6	62355	247305	62351	247326	Maërl Dead	Maërl Dead		Scope
IE002074 T48.7	62351	247326	62339	247434	<i>Zostera marina</i> Frequent Patchy Maërl Dead	<i>Zostera marina</i> Frequent Patchy Maërl Dead		Scope
IE002074 T48.8	62339	247434	62330	247586	Maërl Dead	Maërl Dead	With kelp	Scope
IE002074 T48.9	62330	247586	62326	247620	Maërl Dead	Maërl Dead		Scope
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				<b>Northing</b>				
IE002074 T48.10	62326	247620	62324	247665	Maërl Living	Maërl Living	On sand	Scope
IE002074 T48.11	62324	247665	62316	247775	Maërl Living	Maërl Living	Good uniform Maërl bed	Scope
IE002074 T48.12	62316	247775	62309	247857	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T48.13	62309	247857	62305	247887	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T48.14	62305	247887	62306	247956	Maërl Living	Maërl Living	100 percent live Maërl	Scope
IE002074 T48.15	62306	247956	62308	247967	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T48.16	62308	247967	End Point	End Point	Maërl Living	Maërl Living	100 percent live	Scope
IE002074 T49	62140	248054	62144	247712	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl with shell	Scope
IE002074 T49.1	62144	247712	62146	247599	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl with shell	Scope
IE002074 T49.2	62146	247599	62151	247466	Kelp	Other		Scope
IE002074 T49.3	62151	247466	62154	247408	Maërl Dead	Maërl Dead		Scope
IE002074 T49.4	62154	247408	End Point	End Point	Maërl Dead	Maërl Dead		Scope
IE002074 T50	62017	247501	61995	247637	Kelp	Other		Scope
IE002074 T50.1	61995	247637	61971	247723	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl with shell	Scope
IE002074 T50.2	61971	247723	61961	247765	Maërl Living	Maërl Living	100 percent live Maërl	Scope
IE002074 T50.3	61961	247765	61947	247813	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl with shell	Scope
IE002074 T50.4	61947	247813	61941	247834	Maërl Dead	Maërl Dead		Scope
IE002074 T50.5	61941	247834	61928	247883	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T50.6	61928	247883	61911	247984	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T50.7	61911	247984	End Point	End Point	Maërl Living	Maërl Living		Scope
IE002074 T51	61870	248000	61840	247976	Maërl Living	Maërl Living	With macroalgae	Scope
IE002074 T51.1	61840	247976	61825	247965	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T51.2	61825	247965	61807	247954	Maërl Dead	Maërl Dead		Scope
IE002074 T51.3	61807	247954	61715	247895	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T51.4	61715	247895	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T52	61881	247837	62006	247845	Maërl Living	Maërl Living		Scope
IE002074 T52.1	62006	247845	62242	247835	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T52.2	62242	247835	62422	247827	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T52.3	62422	247827	62544	247813	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T52.4	62544	247813	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T53	62574	247809	62583	247677	Maërl Living	Maërl Living		Scope
IE002074 T53.1	62583	247677	62570	247535	Maërl Living	Maërl Living	Good Maërl bed	Scope
IE002074 T53.2	62570	247535	62571	247520	Maërl Dead	Maërl Dead		Scope
IE002074 T53.3	62571	247520	End Point	End Point	Kelp	Other		Scope
IE002074 T54	62469	247585	62404	247576	Maërl Dead	Maërl Dead	With shell	Scope
IE002074 T54.1	62404	247576	62225	247530	Kelp	Other		Scope
IE002074 T54.2	62225	247530	62087	247485	Kelp	Other		Scope
IE002074 T54.3	62087	247485	62069	247473	Maërl Dead	Maërl Dead	With macroalgae	Scope
IE002074 T54.4	62069	247473	62056	247459	Maërl Dead	Maërl Dead		Scope

IE002074 T54.5	62056	247459	End Point	End Point	Maërl Dead	Maërl Dead		Scope
IE002074 T55	61922	247644	61865	247263	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Dive
IE002074 T55.1	61865	247263	End Point	End Point	Maërl Dead	Maërl Dead		Dive
IE002074 T56	61843	247225	61811	247161	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T56.1	61811	247161	61751	247107	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T56.2	61751	247107	61680	247052	Maërl Living	Maërl Living	100 percent live Maërl	Scope
IE002074 T56.3	61680	247052	61616	247002	Maërl Living	Maërl Living	100 percent live Maërl with shell	Scope
IE002074 T56.4	61616	247002	61581	246970	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell	Scope
IE002074 T56.5	61581	246970	61453	246860	Maërl Dead	Maërl Dead		Scope
IE002074 T56.6	61453	246860	61320	246765	<i>Zostera marina</i> Occasional Maërl Dead	<i>Zostera marina</i> Occasional Maërl Dead		Scope
IE002074 T56.7	61320	246765	61301	246753	Maërl Dead	Maërl Dead		Scope
IE002074 T56.8	61301	246753	61270	246731	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead		Scope
IE002074 T56.9	61270	246731	61238	246704	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T56.10	61238	246704	61209	246675	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T56.11	61209	246675	61159	246621	<i>Zostera marina</i> Rare Patchy Maërl Living & Dead	<i>Zostera marina</i> Rare Patchy Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T56.12	61159	246621	61134	246593	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T56.13	61134	246593	61115	246572	Maërl Dead	Maërl Dead		Scope
IE002074 T56.14	61115	246572	61022	246471	Maërl Living & Dead	Maërl Living & Dead		Scope
IE002074 T56.15	61022	246471	61001	246453	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE002074 T56.16	61001	246453	60992	246446	Kelp	Other		Scope
IE002074 T56.17	60992	246446	60956	246432	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE002074 T56.18	60956	246432	60917	246421	<i>Zostera marina</i> Occasional Maërl Dead	<i>Zostera marina</i> Occasional Maërl Dead		Scope
IE002074 T56.19	60917	246421	End Point	End Point	<i>Zostera marina</i> Occasional Maërl	<i>Zostera marina</i> Occasional Maërl	<i>Zostera marina</i> continues to shore	Scope
IE002074 T57	60888	246428	60845	246474	<i>Zostera marina</i> Occasional Maërl Dead	<i>Zostera marina</i> Occasional Maërl Dead	On sand	Scope
IE002074 T57.1	60845	246474	60812	246517	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T57.2	60812	246517	60823	246557	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE002074 T57.3	60823	246557	60909	246621	Maërl Dead	Maërl Dead		Scope
IE002074 T57.4	60909	246621	60928	246637	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T57.5	60928	246637	60989	246677	Maërl Living	Maërl Living	With shell	Scope
IE002074 T57.6	60989	246677	61022	246696	Maërl Dead	Maërl Dead		Scope
IE002074 T57.7	61022	246696	61116	246766	Maërl Living	Maërl Living	With shell	Scope
IE002074 T57.8	61116	246766	End Point	End Point	Maërl Living	Maërl Living	With shell	Scope
IE002074 T58	61242	246751	61276	246725	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T58.1	61276	246725	61306	246704	<i>Zostera marina</i> Rare Maërl Living & Dead	<i>Zostera marina</i> Rare Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T58.2	61306	246704	61328	246692	<i>Zostera marina</i> Occasional Maërl Dead	<i>Zostera marina</i> Occasional Maërl Dead		Scope
IE002074 T58.3	61328	246692	61372	246662	<i>Zostera marina</i> Occasional Maërl Living	<i>Zostera marina</i> Occasional Maërl Living		Scope
IE002074 T58.4	61372	246662	61398	246638	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE002074 T58.5	61398	246638	61415	246623	<i>Zostera marina</i> Occasional Maërl Living	<i>Zostera marina</i> Occasional Maërl Living		Scope
IE002074 T58.6	61415	246623	61427	246614	Maërl Dead	Maërl Dead		Scope
IE002074 T58.7	61427	246614	61470	246581	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead		Scope
IE002074 T58.8	61470	246581	61498	246561	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope

IE002074 T58.9	61498	246561	61514	246550	Maërl Dead	Maërl Dead		Scope
IE002074 T58.10	61514	246550	61614	246448	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE002074 T58.11	61614	246448	End Point	End Point	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> continues to shore	Scope
IE002074 T59	61580	246419	61546	246441	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead		Scope
IE002074 T59.1	61546	246441	61502	246462	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE002074 T59.2	61502	246462	61417	246501	Maërl Dead	Maërl Dead		Scope
IE002074 T59.3	61417	246501	61388	246515	Maërl Living	Maërl Living	With shell	Scope
IE002074 T59.4	61388	246515	61273	246575	Maërl Dead	Maërl Dead		Scope
IE002074 T59.5	61273	246575	61239	246593	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T59.6	61239	246593	61223	246601	Maërl Living	Maërl Living		Scope
IE002074 T59.7	61223	246601	61193	246614	Maërl Dead	Maërl Dead		Scope
IE002074 T59.8	61193	246614	61158	246631	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T59.9	61158	246631	60966	246722	Maërl Living	Maërl Living	With shell	Scope
IE002074 T59.10	60966	246722	End Point	End Point	Maërl Living	Maërl Living		Scope
IE002074 T60	60950	246650	61019	246585	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T60.1	61019	246585	61066	246564	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl with shell	Scope
IE002074 T60.2	61066	246564	61086	246556	Maërl Dead	Maërl Dead		Scope
IE002074 T60.3	61086	246556	61143	246532	Maërl Living	Maërl Living	With shell	Scope
IE002074 T60.4	61143	246532	61354	246439	Maërl Dead	Maërl Dead		Scope
IE002074 T60.5	61354	246439	61428	246408	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T60.6	61428	246408	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE002074 T61	61428	246814	61465	246949	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE002074 T61.1	61465	246949	61481	247009	Maërl Dead	Maërl Dead		Scope
IE002074 T61.2	61481	247009	61522	247219	Maërl Living	Maërl Living		Scope
IE002074 T61.3	61522	247219	61533	247249	Maërl Living	Maërl Living		Scope
IE002074 T61.4	61533	247249	61558	247317	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T61.5	61558	247317	61618	247635	Maërl Dead	Maërl Dead		Scope
IE002074 T61.6	61618	247635	End Point	End Point	Maërl Dead	Maërl Dead	With some live Maërl	Scope
IE002074 T62	61704	247620	61730	247601	Kelp	Other		Scope
IE002074 T62.1	61730	247601	61778	247546	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE002074 T62.2	61778	247546	End Point	End Point	Vision gone	Other	Vision insufficient to view seabed	Scope
IE002074 T63	62824	247676	62941	247669	Maërl Living	Maërl Living		Scope
IE002074 T63.1	62941	247669	63059	247634	Sand	Other	With some dead Maërl	Scope
IE002074 T63.2	63059	247634	63104	247617	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell	Scope
IE002074 T63.3	63104	247617	63263	247602	Sand	Other	With Maërl fragments	Scope
IE002074 T63.4	63263	247602	63396	247616	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell	Scope
IE002074 T63.5	63396	247616	63515	247622	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead	Scope
IE002074 T63.6	63515	247622	63593	247624	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with macroalgae	Scope
IE002074 T63.7	63593	247624	63655	247627	Maërl Living & Dead	Maërl Living & Dead	With large amount of macroalgae	Scope



IE002074 T63.8	63655	247627	63691	247630	Maërl Dead	Maërl Dead	With macroalgae	Scope
IE002074 T63.9	63691	247630	63761	247638	Mud	Other	With Maërl fragments	Scope
IE002074 T63.10	63761	247638	63888	247656	Mud	Other		Scope
IE002074 T63.11	63888	247656	64056	247670	Mud	Other		Scope
IE002074 T63.12	64056	247670	64221	247653	Mud	Other		Scope
IE002074 T63.13	64221	247653	64397	247665	Mud	Other		Scope
IE002074 T63.14	64397	247665	64519	247671	Mud	Other	With macroalgae and <i>Sabella</i> sp.	Scope
IE002074 T63.15	64519	247671	64475	247706	Mud	Other	With macroalgae	Scope
IE002074 T63.16	64475	247706	64406	247699	Mud	Other		Scope
IE002074 T63.17	64406	247699	64342	247687	Mud	Other	With macroalgae	Scope
IE002074 T63.18	64342	247687	64210	247670	Mud	Other	With <i>Sabella</i> sp.	Scope
IE002074 T63.19	64210	247670	64138	247705	Mud	Other		Scope
IE002074 T63.20	64138	247705	64067	247720	Mud	Other	With macroalgae	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T63.21	64067	247720	64043	247746	Mud	Other	With <i>Sabella</i> sp.	Scope
IE002074 T63.22	64043	247746	64014	247762	Mud	Other		Scope
IE002074 T63.23	64014	247762	63968	247759	Mud	Other		Scope
IE002074 T63.24	63968	247759	63926	247731	Mud	Other		Scope
IE002074 T63.25	63926	247731	63869	247720	Mud	Other		Scope
IE002074 T63.26	63869	247720	63791	247692	Mud	Other		Scope
IE002074 T63.27	63791	247692	63775	247682	Kelp	Other		Scope
IE002074 T63.28	63775	247682	63699	247659	Mud	Other		Scope
IE002074 T63.29	63699	247659	63669	247633	Mud	Other		Scope
IE002074 T63.30	63669	247633	63618	247655	Mud	Other	With Maërl fragments	Scope
IE002074 T63.31	63618	247655	63525	247684	Maërl Dead	Maërl Dead		Scope
IE002074 T63.32	63525	247684	63500	247671	Maërl Dead	Maërl Dead		Scope
IE002074 T63.33	63500	247671	63473	247667	Kelp	Other		Scope
IE002074 T63.34	63473	247667	End Point	End Point	Mud	Other	With patches of sand and some Maërl	Scope
IE002074 T64	60109	246681	60147	246940	Sand	Other		Dive
IE002074 T64.1	60147	246940	End Point	End Point	Kelp	Other		Dive
IE002074 T65	60409	246744	60413	246835	Kelp	Other		Dive
IE002074 T65.1	60413	246835	End Point	End Point	Sand	Other	Shelly duned sand	Dive
IE002074 T66	60687	246616	60705	246614	Kelp	Other		Dive
IE002074 T66.1	60705	246614	60699	246609	Maërl Living & Dead Duned	Maërl Living & Dead, duned		Dive
IE002074 T66.2	60699	246609	End Point	End Point	Kelp	Other		Dive
IE002074 T67	60713	246609	60645	246756	Kelp	Other		Dive
IE002074 T67.1	60645	246756	60627	246806	Maërl Living & Dead Duned	Maërl Living & Dead, duned		Dive
IE002074 T67.2	60627	246806	End Point	End Point	Sand	Other		Dive
IE002074 T68	61101	246671	61195	246718	Maërl Dead	Maërl Dead		Dive
IE002074 T68.1	61195	246718	End Point	End Point	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Dive
IE002074 T69	61178	246750	61190	246832	Maërl Dead	Maërl Dead		Dive
IE002074 T69.1	61190	246832	End Point	End Point	Mud	Other		Dive
IE002074 T70	60988	246716	61055	246786	Maërl Dead	Maërl Dead	80 percent dead 20 percent live Maërl	Dive

IE002074 T70.1	61055	246786	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	On shelly mud	Dive
IE002074 T71	61390	247003	61303	246988	Maërl Living & Dead	Maërl Living & Dead		Dive
IE002074 T71.1	61303	246988	End Point	End Point	Maërl Living & Dead Duned	Maërl Living & Dead Duned	With <i>Neopentadactyla mixta</i> live Maërl starts at end of transect	Dive
IE002074 T72	61284	247008	61477	247260	Sand	Other	Live Maërl lends on shelly sand	Dive
IE002074 T72.1	61477	247260	61273	247297	Maërl Living & Dead Duned	Maërl Living & Dead Duned	Mid way through this transect sand mixed with Maërl occurs	Dive
IE002074 T72.2	61273	247297	End Point	End Point	Sand	Other	At the end point of this transect duned sand with Maërl fragments occur	Dive
IE002074 T73	61505	247523	61357	247698	Maërl Living & Dead Duned	Maërl Living & Dead Duned	With <i>Neopentadactyla mixta</i>	Dive
IE002074 T73.1	61357	247698	End Point	End Point	Sand	Other	With <i>Lanice conchilega</i> . At the end of this transect the sand is mixed with Maërl fragments	Dive
IE002074 T74	61470	247676	61310	247675	Maërl Living & Dead	Maërl Living & Dead		Dive
IE002074 T74.1	61310	247675	End Point	End Point	Sand	Other	With Maërl fragments	Dive
IE002074 T75	62044	247190	61896	247398	Maërl Living & Dead	Maërl Living & Dead		Dive
IE002074 T75.1	61896	247398	End Point	End Point	Maërl Living & Dead Duned	Maërl Living & Dead Duned	Alternating flat and dunned Maërl	Dive
IE002074 T76	61291	247033	61303	247045	<i>Neopentadactyla mixta</i>	<i>Neopentadactyla mixta</i>		Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE002074 T76.1	61303	247045	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl.	Dive
IE002074 T77	61309	247011	61239	247071	<i>Neopentadactyla mixta</i>	<i>Neopentadactyla mixta</i>		Dive
IE002074 T77.1	61239	247071	End Point	End Point	<i>Neopentadactyla mixta</i>	<i>Neopentadactyla mixta</i>	<i>Lanice conchilega</i> and <i>Neopentadactyla mixta</i> occurred on this transect at approximately 1-2 individuals of each species per 3m2	Dive
IE002074 T78	61242	247138	61266	247099	<i>Neopentadactyla mixta</i>	<i>Neopentadactyla mixta</i>	<i>Neopentadactyla mixta</i> was photographed at this position.	Dive
IE002074 T78.1	61266	247099	End Point	End Point	Maërl Dead Duned	Maërl Dead Duned		Dive
IE002074 T79	62807	245731	End Point	End Point	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead	Photographs of the habitat were taken at this position	Dive
IE002074 T80	62793	245717	End Point	End Point	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead		Dive
IE002074 T81	62776	245694	End Point	End Point	<i>Lanice conchilega</i>	<i>Lanice conchilega</i>	<i>Lanice conchilega</i> continues to shore. A video record of this site was made	Dive
IE002074 T82	63692	247593	63727	247520	Mud	Other	<i>Aplysia punctata</i> and occasional <i>Virgularia mirabilis</i> were recorded at this position	Dive
IE002074 T82.1	63727	247520	End Point	End Point	Mud	Other	With macroalgae	Dive
IE002074 T83	63799	247545	63646	247432	Mud	Other		Dive
IE002074 T83.1	63646	247432	End Point	End Point	Mud	Other	<i>Aplysia punctata</i> and <i>Metridium senile</i> were recorded at this position	Dive
IE001482 T1	94331	284938	End Point	End Point	Mud	Other	With shell	Dive
IE001482 T1.1	94618	285097	94490	285060	Mud	Other		Scope
IE001482 T1.2	94490	285060	94462	285018	Mud	Other		Scope
IE001482 T1.3	94462	285018	94579	284988	Mud	Other		Scope

IE001482 T1.4	94579	284988	94708	284936	Mud	Other		Scope
IE001482 T1.5	94708	284936	94786	284742	Mud	Other		Scope
IE001482 T1.6	94786	284742	94746	284649	Mud	Other	With patches of kelp	Scope
IE001482 T1.7	94746	284649	94733	284588	Mud	Other	With patches of kelp	Scope
IE001482 T1.8	94733	284588	94727	284492	Mud	Other	With patches of kelp	Scope
IE001482 T1.9	94727	284492	94713	284418	Mud	Other	With patches of kelp	Scope
IE001482 T1.10	94713	284418	End Point	End Point	Mud	Other	With patches of kelp	Scope
IE001482 T2	94418	284268	End Point	End Point	Mud	Other	With shell	Scope
IE001482 T3	93869	284407	93870	284289	Sand	Other	Shelly sand	Scope
IE001482 T3.1	93870	284289	93862	284226	Sand	Other	Shelly sand	Scope
IE001482 T3.2	93862	284226	93857	284147	Sand	Other	With shell and macroalgae	Scope
IE001482 T3.3	93857	284147	93852	284054	Sand	Other	With shell and macroalgae	Scope
IE001482 T3.4	93852	284054	93854	283949	Sand	Other	With shell and macroalgae	Scope
IE001482 T3.5	93854	283949	93861	283858	Sand	Other	With macroalgae	Scope
IE001482 T3.6	93861	283858	93865	283771	Sand	Other	With shell and macroalgae	Scope
IE001482 T3.7	93865	283771	93868	283668	Sand	Other	With shell and macroalgae	Scope
IE001482 T3.8	93868	283668	93890	283638	Sand	Other	With shell	Scope
IE001482 T3.9	93890	283638	End Point	End Point	Sand	Other		Scope
IE001482 T4	89570	284941	89662	285023	Sand	Other		Scope
IE001482 T4.1	89662	285023	89759	285149	Sand	Other		Scope
IE001482 T4.2	89759	285149	89832	285270	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T4.3	89832	285270	89943	285435	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	end of <i>Zostera marina</i>	Scope
IE001482 T4.4	89943	285435	89971	285508	Kelp	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T4.5	89971	285508	89917	285518	Kelp	Other		Scope
IE001482 T4.6	89917	285518	89859	285508	Kelp	Other		Scope
IE001482 T4.7	89859	285508	89816	285489	Kelp	Other		Scope
IE001482 T4.8	89816	285489	89777	285479	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand	Scope
IE001482 T4.9	89777	285479	89685	285421	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T4.10	89685	285421	89661	285387	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T4.11	89661	285387	89656	285368	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T4.12	89656	285368	89622	285319	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE001482 T4.13	89622	285319	89564	285271	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE001482 T4.14	89564	285271	89540	285220	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T4.15	89540	285220	89507	285176	Kelp	Other		Scope
IE001482 T4.16	89507	285176	89480	285160	Kelp	Other		Scope
IE001482 T4.17	89480	285160	89497	285062	Sand	Other		Scope
IE001482 T4.18	89497	285062	89345	284970	Sand	Other		Scope
IE001482 T4.19	89345	284970	89301	284904	Sand	Other		Scope
IE001482 T4.20	89301	284904	89225	284839	Sand	Other		Scope
IE001482 T4.21	89225	284839	89128	284774	Sand	Other		Scope
IE001482 T4.22	89128	284774	89041	284736	Sand	Other		Scope
IE001482 T4.23	89041	284736	89008	284676	Sand	Other		Scope

IE001482 T4.24	89008	284676	88856	284546	Sand	Other		Scope
IE001482 T4.25	88856	284546	88715	284448	Sand	Other		Scope
IE001482 T4.26	88715	284448	88639	284340	Sand	Other		Scope
IE001482 T4.27	88639	284340	88542	284264	Sand	Other		Scope
IE001482 T4.28	88542	284264	End Point	End Point	Sand	Other		Scope
IE001482 T5	88745	284126	88758	284047	Sand	Other		Scope
IE001482 T5.1	88758	284047	88910	283961	Sand	Other		Scope
IE001482 T5.2	88910	283961	89040	283961	Sand	Other		Scope
IE001482 T5.3	89040	283961	89279	283863	Sand	Other		Scope
IE001482 T5.4	89279	283863	89441	283776	Sand	Other		Scope
IE001482 T5.5	89441	283776	89550	283711	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T5.6	89550	283711	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T6	89951	283700	90113	283711	Kelp	Other		Scope
IE001482 T6.1	90113	283711	90249	283622	Kelp	Other		Scope
IE001482 T6.2	90249	283622	90271	283611	Kelp	Other		Scope
IE001482 T6.3	90271	283611	90336	283579	Sand	Other		Scope
IE001482 T6.4	90336	283579	90487	283589	Sand	Other	With <i>Chorda filum</i> and <i>Alaria esculenta</i> . The broadscale map for this position indicated <i>Zostera marina</i> was present but none was found. It may be possible that the signal for <i>Chorda filum</i> appears similar to that for <i>Zostera marina</i> and causes an error in the broadscale	Scope
IE001482 T6.5	90487	283589	90618	283644	Sand	Other		Scope
IE001482 T6.6	90618	283644	90672	283665	Sand	Other		Scope
IE001482 T6.7	90672	283665	90650	283752	Sand	Other	With kelp	Scope
IE001482 T6.8	90650	283752	90542	283817	Kelp	Other		Scope
IE001482 T6.9	90542	283817	90509	283839	Sand	Other	With kelp	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T6.10	90509	283839	90368	283904	Sand	Other		Scope
IE001482 T6.11	90368	283904	90325	283904	Sand	Other		Scope
IE001482 T6.12	90325	283904	90314	283958	Sand	Other	With macroalgae on boulders	Scope
IE001482 T6.13	90314	283958	90141	283925	Kelp	Other		Scope
IE001482 T6.14	90141	283925	89880	283893	Kelp	Other		Scope
IE001482 T6.15	89880	283893	89859	283860	Kelp	Other		Scope
IE001482 T6.16	89859	283860	End Point	End Point	Sand	Other		Scope
IE001482 T7	89870	283990	90043	284034	Kelp	Other		Scope
IE001482 T7.1	90043	284034	90195	284093	Kelp	Other		Scope
IE001482 T7.2	90195	284093	90504	284142	Sand	Other		Scope
IE001482 T7.3	90504	284142	90690	284147	Sand	Other		Scope
IE001482 T7.4	90690	284147	90774	284141	Sand	Other		Scope
IE001482 T7.5	90774	284141	90807	284139	Sand	Other		Scope
IE001482 T7.6	90807	284139	90880	284193	Sand	Other		Scope

IE001482 T7.7	90880	284193	90810	284233	Sand	Other	With macroalgae and kelp	Scope
IE001482 T7.8	90810	284233	90753	284233	Sand	Other	With macroalgae and kelp	Scope
IE001482 T7.9	90753	284233	90696	284242	Sand	Other		Scope
IE001482 T7.10	90696	284242	90628	284242	Sand	Other		Scope
IE001482 T7.11	90628	284242	90549	284220	Sand	Other		Scope
IE001482 T7.12	90549	284220	90482	284214	Sand	Other		Scope
IE001482 T7.13	90482	284214	90430	284209	Sand	Other		Scope
IE001482 T7.14	90430	284209	90371	284187	Sand	Other		Scope
IE001482 T7.15	90371	284187	90593	284147	Sand	Other		Scope
IE001482 T7.16	90593	284147	90291	284194	Sand	Other		Scope
IE001482 T7.17	90291	284194	90226	284145	Sand	Other		Scope
IE001482 T7.18	90226	284145	90145	284176	Sand	Other		Scope
IE001482 T7.19	90145	284176	90067	284151	Sand	Other		Scope
IE001482 T7.20	90067	284151	89982	284123	Kelp	Other		Scope
IE001482 T7.21	89982	284123	89883	284091	Kelp	Other		Scope
IE001482 T7.22	89883	284091	89809	284063	Kelp	Other		Scope
IE001482 T7.23	89809	284063	89750	284044	Sand	Other		Scope
IE001482 T7.24	89750	284044	End Point	End Point	Sand	Other		Scope
IE001482 T8	89769	284164	89883	284199	Kelp	Other		Scope
IE001482 T8.1	89883	284199	89999	284220	Kelp	Other		Scope
IE001482 T8.2	89999	284220	90145	284265	Sand	Other		Scope
IE001482 T8.3	90145	284265	90282	284300	Sand	Other		Scope
IE001482 T8.4	90282	284300	90420	284341	Sand	Other		Scope
IE001482 T8.5	90420	284341	90628	284401	Sand	Other		Scope
IE001482 T8.6	90628	284401	90917	284530	Sand	Other		Scope
IE001482 T8.7	90917	284530	91091	284633	Sand	Other		Scope
IE001482 T8.8	91091	284633	End Point	End Point	Sand	Other	With macroalgae	Scope
IE001482 T9	91132	284745	91032	284780	Sand	Other	No Maërl found at this position as indicated by broadscale maps. Storm beaches on adjacent shore would indicate that this site is too exposed for Maërl to occur	Scope
IE001482 T9.1	91032	284780	91129	284775	Sand	Other	No Maërl found	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T9.2	91129	284775	91173	284775	Sand	Other	No Maërl found	Scope
IE001482 T9.3	91173	284775	91219	284772	Sand	Other	With anemones	Scope
IE001482 T9.4	91219	284772	91264	284767	Sand	Other	With anemones	Scope
IE001482 T9.5	91264	284767	End Point	End Point	Sand	Other	With cobbles and macroalgae	Scope
IE001482 T10	91147	284931	91220	284989	Sand	Other	With pebbles	Scope
IE001482 T10.1	91220	284989	91283	285044	Sand	Other	Covered With cobble and gravel	Scope
IE001482 T10.2	91283	285044	91328	285083	Sand	Other	With shell and kelp	Scope
IE001482 T10.3	91328	285083	91364	285105	Kelp	Other	On cobble and shelly sand	Scope
IE001482 T10.4	91364	285105	91432	285144	Sand	Other		Scope
IE001482 T10.5	91432	285144	91510	285168	Sand	Other	With gravel	Scope



IE001482_T10.6	91510	285168	91603	285173	Sand	Other	With gravel macroalgae boulders and sponges	Scope
IE001482_T10.7	91603	285173	End Point	End Point	Sand	Other	With gravel and cobbles	Scope
IE001482_T11	91236	285121	91374	285023	Sand	Other		Dive
IE001482_T11.1	91374	285023	End Point	End Point	Rock	Other	With cobbles, pebbles, gravel and kelp	Dive
IE001482_T11.2	91347	285147	91514	285288	Sand	Other		Dive
IE001482_T11.3	91514	285288	91739	285512	Maërl Living	Maërl Living		Dive
IE001482_T11.4	91739	285512	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482_T12	92011	285475	92105	285502	Maërl Living	Maërl Living	Good bed of live Maërl bed With shell	Dive
IE001482_T12.1	92105	285502	92236	285523	Maërl Living	Maërl Living		Dive
IE001482_T12.2	92236	285523	92351	285523	Maërl Living & Dead	Maërl Living & Dead	Live Maërl With anemones	Dive
IE001482_T12.3	92351	285523	92443	285523	Maërl Living & Dead	Maërl Living & Dead	With shell	Dive
IE001482_T12.4	92443	285523	92479	285523	Maërl Living	Maërl Living		Dive
IE001482_T12.5	92479	285523	End Point	End Point	Kelp	Other		Dive
IE001482_T13	92411	285486	92550	285485	Maërl Living & Dead Duned	Maërl Living & Dead Duned		Dive
IE001482_T13.1	92550	285485	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Maërl becomes flat at end point of this transect, it is no longer duned.	Dive
IE001482_T13.2	92765	285420	93040	285293	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE001482_T13.3	93040	285293	93122	285180	Maërl Living	Maërl Living	With shell	Scope
IE001482_T13.4	93122	285180	93208	285056	Maërl Living	Maërl Living	With shell	Scope
IE001482_T13.5	93208	285056	93298	285029	Sand	Other	With shell	Scope
IE001482_T13.6	93298	285029	End Point	End Point	Sand	Other	With shell	Scope
IE001482_T14	93407	285051	93462	285026	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE001482_T14.1	93462	285026	End Point	End Point	Sand	Other	With a scattering of live and dead Maërl	Scope
IE001482_T15	91100	285890	90961	285938	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand	Scope
IE001482_T15.1	90961	285938	90998	285883	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482_T15.2	90998	285883	91039	285838	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482_T15.3	91039	285838	91108	285757	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482_T15.4	91108	285757	91184	285669	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482_T15.5	91184	285669	91315	285591	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Dense Abundant bed of <i>Zostera marina</i>	Scope
IE001482_T15.6	91315	285591	End Point	End Point	Maërl Dead	Maërl Dead		Scope
IE001482_T16	91087	285944	91126	285917	Kelp	Other		Scope
IE001482_T16.1	91126	285917	91143	285883	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482_T16.2	91143	285883	91166	285853	Sand	Other		Scope
IE001482_T16.3	91166	285853	91407	285571	<i>Zostera marina</i> Abundant Maërl Living & Dead	<i>Zostera marina</i> Abundant Maërl Living & Dead		Scope
IE001482_T16.4	91407	285571	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482_T17	91502	285603	91492	285672	Maërl Living & Dead	Maërl Living & Dead	With shell (oyster)	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482_T17.1	91492	285672	91479	285705	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead		Scope
IE001482_T17.2	91479	285705	91468	285725	Kelp	Other		Scope

IE001482_T17.3	91468	285725	91438	285780	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead		Scope
IE001482_T17.4	91438	285780	91428	285798	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead		Scope
IE001482_T17.5	91428	285798	91404	285842	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482_T17.6	91404	285842	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482_T18	91376	285857	91271	285879	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	On muddy sand	Scope
IE001482_T18.1	91271	285879	91253	285875	Kelp	Other		Scope
IE001482_T18.2	91253	285875	91205	285868	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	On shell and sand	Scope
IE001482_T18.3	91205	285868	91157	285867	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482_T18.4	91157	285867	91139	285868	Sand	Other	With Shell	Scope
IE001482_T18.5	91139	285868	91081	285875	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand and shell	Scope
IE001482_T18.6	91081	285875	91044	285886	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482_T18.7	91044	285886	90978	285909	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	On sand and shell	Scope
IE001482_T18.8	90978	285909	90947	285913	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand and shell	Scope
IE001482_T18.9	90947	285913	90926	285916	Sand	Other		Scope
IE001482_T18.10	90926	285916	End Point	End Point	Sand	Other	With shell	Scope
IE001482_T19	90879	285793	90913	285769	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On dead Maërl with kelp	Scope
IE001482_T19.1	90913	285769	90942	285743	Kelp	Other		Scope
IE001482_T19.2	90942	285743	90992	285655	<i>Zostera marina</i> Abundant Dead	<i>Zostera marina</i> Abundant Maërl Dead		Scope
IE001482_T19.3	90992	285655	91012	285620	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On sand	Scope
IE001482_T19.4	91012	285620	91052	285574	Sand	Other		Scope
IE001482_T19.5	91052	285574	91065	285543	Sand	Other		Scope
IE001482_T19.6	91065	285543	End Point	End Point	Sand	Other		Scope
IE001482_T20	91456	285772	91481	285895	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482_T20.1	91481	285895	91498	285952	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	On sand	Scope
IE001482_T20.2	91498	285952	91514	285989	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	On sand	Scope
IE001482_T20.3	91514	285989	91530	286016	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Very dense Abundant bed of <i>Zostera marina</i>	Scope
IE001482_T20.4	91530	286016	End Point	End Point	Kelp	Other	Very dense Abundant bed of <i>Zostera marina</i>	Scope
IE001482_T21	91585	285974	91588	285966	Kelp	Other		Scope
IE001482_T21.1	91588	285966	91594	285950	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	With Kelp	Scope
IE001482_T21.2	91594	285950	91612	285922	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482_T21.3	91612	285922	91639	285876	Kelp	Other		Scope
IE001482_T21.4	91639	285876	91650	285854	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	With Kelp	Scope
IE001482_T21.5	91650	285854	91662	285832	Kelp	Other		Scope
IE001482_T21.6	91662	285832	91679	285783	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482_T21.7	91679	285783	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE001482_T22	91830	285736	91829	285797	<i>Zostera marina</i> Abundant Patchy Maërl Living & Dead	<i>Zostera marina</i> Abundant Patchy Maërl Living & Dead	With shell	Scope
IE001482_T22.1	91829	285797	91816	285845	<i>Zostera marina</i> Abundant Maërl Living & Dead	<i>Zostera marina</i> Abundant Maërl Living & Dead		Scope
IE001482_T22.2	91816	285845	91779	285917	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	With shell	Scope
IE001482_T22.3	91779	285917	91759	285945	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With shell	Scope
IE001482_T22.4	91759	285945	End Point	End Point	Kelp	Other		Scope

IE001482 T23	91810	285964	91844	285962	Kelp	Other	On shelly sand	Scope
IE001482 T23.1	91844	285962	91874	285964	Kelp	Other		Scope
IE001482 T23.2	91874	285964	91935	285905	Mud	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T23.3	91935	285905	91968	285850	Mud	Other	With macroalgae	Scope
IE001482 T23.4	91968	285850	91987	285813	Sand	Other	With mud and shell	Scope
IE001482 T23.5	91987	285813	92018	285788	Mud	Other	With a scattering of dead Maërl	Scope
IE001482 T23.6	92018	285788	92021	285761	<i>Zostera marina</i> Occasional Maërl Dead	<i>Zostera marina</i> Occasional Maërl Dead	With a scattering of dead Maërl	Scope
IE001482 T23.7	92021	285761	92024	285739	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead		Scope
IE001482 T23.8	92024	285739	End Point	End Point	Maërl Living	Maërl Living	<i>Zostera marina</i> ends	Scope
IE001482 T24	92144	285717	92127	285810	Mud	Other	With macroalgae	Scope
IE001482 T24.1	92127	285810	92137	285852	Mud	Other		Scope
IE001482 T24.2	92137	285852	End Point	End Point	Mud	Other		Scope
IE001482 T25	92374	285772	92369	285749	Kelp	Other		Scope
IE001482 T25.1	92369	285749	92367	285739	Mud	Other	With shell	Scope
IE001482 T25.2	92367	285739	92365	285706	Kelp	Other	With large rocks	Scope
IE001482 T25.3	92365	285706	92370	285686	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	Very dense Abundant bed of <i>Zostera marina</i>	Scope
IE001482 T25.4	92370	285686	92381	285655	Maërl Living & Dead	Maërl Living & Dead	<i>Zostera marina</i> ends	Scope
IE001482 T25.5	92381	285655	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T26	91504	285023	91530	285030	Mud	Other	With macroalgae, boulders and shell	Scope
IE001482 T26.1	91530	285030	91544	285070	Mud	Other	With sand and macroalgae	Scope
IE001482 T26.2	91544	285070	91614	285145	Mud	Other	With a scattering of dead Maërl	Scope
IE001482 T26.3	91614	285145	End Point	End Point	Gravel	Other	With gravel and pebbles	Scope
IE001482 T27	91839	285265	92079	285230	Kelp	Other		Scope
IE001482 T27.1	92079	285230	92028	285352	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T27.2	92028	285352	92102	285407	Maërl Living	Maërl Living		Scope
IE001482 T27.3	92102	285407	92138	285426	Maërl Living	Maërl Living		Scope
IE001482 T27.4	92138	285426	92187	285461	Maërl Living	Maërl Living	With lots of shell	Scope
IE001482 T27.5	92187	285461	92215	285469	Maërl Living	Maërl Living	Good bed of Maërl	Scope
IE001482 T27.6	92215	285469	End Point	End Point	Maërl Living	Maërl Living		Scope
IE001482 T28	92415	285484	92446	285418	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T28.1	92446	285418	92466	285394	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T28.2	92466	285394	92505	285363	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T28.3	92505	285363	End Point	End Point	Sand	Other	With a scattering of dead Maërl	Scope
IE001482 T29	92340	285439	92340	285394	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T29.1	92340	285394	92352	285336	Sand	Other	With macroalgae	Scope
IE001482 T29.2	92352	285336	End Point	End Point	Sand	Other		Scope
IE001482 T30	92237	285357	92226	285422	Sand	Other		Scope
IE001482 T30.1	92226	285422	92051	285429	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T30.2	92051	285429	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE001482 T31	92087	285336	End Point	End Point	Sand	Other	With a scattering of dead Maërl	Scope
IE001482 T31.1	91958	285304	91941	285337	Maërl Dead	Maërl Dead	With shell	Scope

IE001482 T31.2	91941	285337	91921	285370	Zostera marina Rare Maërl Dead	Zostera marina Rare Maërl Dead		Scope
IE001482 T31.3	91921	285370	91898	285461	Maërl Dead	Maërl Dead	With shell	Scope
IE001482 T31.4	91898	285461	91798	285422	Maërl Dead	Maërl Dead		Scope
IE001482 T31.5	91798	285422	91923	285255	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with macroalgae	Scope
IE001482 T31.6	91923	285255	91950	285226	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE001482 T31.7	91950	285226	End Point	End Point	Sand	Other	With macroalgae,	Scope
IE001482 T32	91838	285296	91794	285324	Maërl Living & Dead	Maërl Living & Dead	With shell and macroalgae	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T32.1	91794	285324	91786	285338	Rock	Other	With macroalgae	Scope
IE001482 T32.2	91786	285338	91710	285385	Maërl Living & Dead	Maërl Living & Dead	With a large amount of macroalgae	Scope
IE001482 T32.3	91710	285385	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	With macroalgae	Scope
IE001482 T33	91729	285163	91765	285142	Maërl Dead	Maërl Dead		Scope
IE001482 T33.1	91765	285142	End Point	End Point	Gravel	Other	With some dead Maërl	Scope
IE001482 T34	91737	285048	91781	285038	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T34.1	91781	285038	91815	285030	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T35	91815	285030	End Point	End Point	Gravel	Other	With shell	Scope
IE001482 T36	91922	284977	End Point	End Point	Gravel	Other	Spot dive, small amount Maërl live	Dive
IE001482 T37	92112	284904	End Point	End Point	Shell	Other	Spot dive	Dive
IE001482 T38	92288	284829	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive. 80 percent dead 20 percent live Maërl with shell	Dive
IE001482 T39	90801	285887	90766	285859	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Dive
IE001482 T39.1	90766	285859	End Point	End Point	Mud	Other	With Maërl fragments	Dive
IE001482 T40	90858	285910	90830	285863	Mud	Other		Dive
IE001482 T40.1	90830	285863	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE001482 T41	92673	285338	92541	285413	Sand	Other		Dive
IE001482 T41.1	92541	285413	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE001482 T42	92639	285352	92627	285373	Sand	Other		Dive
IE001482 T42.1	92627	285373	End Point	End Point	Maërl Dead Duned	Maërl Dead Duned		Dive
IE001482 T43	92875	285328	92833	285316	Maërl Dead Duned	Maërl Dead Duned	Maërl changed from dead to live approximately 1\4 way along this transects	Dive
IE001482 T43.1	92833	285316	End Point	End Point	Sand	Other	With macroalgae	Dive
IE001482 T44	92887	285531	92894	285522	Sand	Other		Dive
IE001482 T44.1	92894	285522	End Point	End Point	Maërl Living	Maërl Living	With cobbles	Dive
IE001482 T45	92633	285544	92612	285595	Maërl Living	Maërl Living	Good bed of live Maërl	Dive
IE001482 T45.1	92612	285595	End Point	End Point	Sand	Other	With macroalgae	Dive
IE001482 T46	90973	286469	91033	286422	Sand	Other	With Shell	Scope
IE001482 T46.1	91033	286422	91058	286421	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T46.2	91058	286421	91064	286420	Sand	Other		Scope
IE001482 T46.3	91064	286420	91194	286385	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T46.4	91194	286385	91217	286382	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T46.5	91217	286382	91237	286378	Sand	Other		Scope
IE001482 T46.6	91237	286378	91356	286356	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope

IE001482 T46.7	91356	286356	91476	286328	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T46.8	91476	286328	91511	286324	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T46.9	91511	286324	91531	286323	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T46.10	91531	286323	91559	286326	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T46.11	91559	286326	91633	286320	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T46.12	91633	286320	91652	286316	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T46.13	91652	286316	91869	286284	Sand	Other	With shell and gravel	Scope
IE001482 T46.14	91869	286284	91975	286280	Sand	Other	With shell and gravel	Scope
IE001482 T46.15	91975	286280	End Point	End Point	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T47	92220	286233	92366	286225	Sand	Other	With shell and gravel	Scope
IE001482 T47.1	92366	286225	92352	286258	Maërl Living	Maërl Living	With shell and gravel	Scope
IE001482 T47.2	92352	286258	92300	286297	Maërl Living	Maërl Living	With shell and gravel	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T47.3	92300	286297	92186	286288	Sand	Other	With shell and gravel	Scope
IE001482 T47.4	92186	286288	91984	286285	Sand	Other	With shell and gravel	Scope
IE001482 T47.5	91984	286285	91932	286292	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T47.6	91932	286292	91896	286288	Zostera marina Occasional	Zostera marina Occasional	On mud and shell	Scope
IE001482 T47.7	91896	286288	91860	286305	Sand	Other	With shell and gravel	Scope
IE001482 T47.8	91860	286305	91797	286361	Mud	Other	With shell	Scope
IE001482 T47.9	91797	286361	91747	286374	Mud	Other	With shell	Scope
IE001482 T47.10	91747	286374	91727	286396	Kelp	Other		Scope
IE001482 T47.11	91727	286396	91620	286442	Mud	Other	With shell	Scope
IE001482 T47.12	91620	286442	91598	286441	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T47.13	91598	286441	91575	286441	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	With Kelp	Scope
IE001482 T47.14	91575	286441	91552	286444	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T47.15	91552	286444	91534	286448	Zostera marina Occasional	Zostera marina Occasional	With Kelp	Scope
IE001482 T47.16	91534	286448	91500	286461	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T47.17	91500	286461	91480	286470	Sand	Other	With shell and gravel	Scope
IE001482 T47.18	91480	286470	91459	286479	Kelp	Other		Scope
IE001482 T47.19	91459	286479	91426	286493	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T47.20	91426	286493	91358	286533	Kelp	Other		Scope
IE001482 T47.21	91358	286533	91275	286587	Mud	Other	With shell	Scope
IE001482 T47.22	91275	286587	End Point	End Point	Mud	Other	With shell	Scope
IE001482 T48	90895	286314	90914	286312	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T48.1	90914	286312	90955	286302	Sand	Other		Scope
IE001482 T48.2	90955	286302	90977	286298	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T48.3	90977	286298	91027	286300	Sand	Other		Scope
IE001482 T48.4	91027	286300	91130	286278	Mud	Other	With shell	Scope
IE001482 T48.5	91130	286278	91163	286275	Zostera marina Occasional	Zostera marina Occasional	On mud and shell	Scope
IE001482 T48.6	91163	286275	91178	286276	Mud	Other	With shell	Scope
IE001482 T48.7	91178	286276	91195	286277	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T48.8	91195	286277	91210	286277	Mud	Other	With shell	Scope
IE001482 T48.9	91210	286277	91269	286282	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope

IE001482 T48.10	91269	286282	91367	286286	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T48.11	91367	286286	91407	286287	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	With Kelp	Scope
IE001482 T48.12	91407	286287	91428	286283	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	With Kelp	Scope
IE001482 T48.13	91428	286283	91479	286278	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T48.14	91479	286278	91518	286275	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy		Scope
IE001482 T48.15	91518	286275	91625	286271	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T48.16	91625	286271	91808	286258	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T48.17	91808	286258	91852	286249	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	With Kelp	Scope
IE001482 T48.18	91852	286249	91884	286245	Mud	Other	With shell and gravel	Scope
IE001482 T48.19	91884	286245	91932	286238	Kelp	Other		Scope
IE001482 T48.20	91932	286238	92144	286232	Mud	Other	With shell	Scope
IE001482 T48.21	92144	286232	92227	286248	Mud	Other	With shell and gravel	Scope
IE001482 T48.22	92227	286248	End Point	End Point	Mud	Other	With shell and gravel	Scope
IE001482 T49	91947	286207	91950	286254	Mud	Other	With macroalgae	Scope
IE001482 T49.1	91950	286254	91884	286232	Sand	Other	With shell and gravel	Scope
IE001482 T49.2	91884	286232	91877	286224	Kelp	Other		Scope
IE001482 T49.3	91877	286224	91842	286240	Kelp	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T49.4	91842	286240	91842	286255	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T49.5	91842	286255	91842	286287	Kelp	Other		Scope
IE001482 T49.6	91842	286287	91842	286324	Sand	Other	With shell and gravel	Scope
IE001482 T49.7	91842	286324	91842	286338	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T49.8	91842	286338	91843	286348	Kelp	Other		Scope
IE001482 T49.9	91843	286348	91763	286274	Sand	Other	With shell and gravel	Scope
IE001482 T49.10	91763	286274	91753	286246	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T49.11	91753	286246	91692	286180	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy		Scope
IE001482 T49.12	91692	286180	91669	286170	Mud	Other		Scope
IE001482 T49.13	91669	286170	91629	286151	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy	With Kelp	Scope
IE001482 T49.14	91629	286151	91578	286007	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy	With Kelp	Scope
IE001482 T49.15	91578	286007	91596	286160	Kelp	Other		Scope
IE001482 T49.16	91596	286160	End Point	End Point	Mud	Other	With gravel	Scope
IE001482 T50	91610	286200	91634	286265	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T50.1	91634	286265	91642	286286	Sand	Other	With gravel	Scope
IE001482 T50.2	91642	286286	91657	286325	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T50.3	91657	286325	91689	286402	Sand	Other	With gravel	Scope
IE001482 T50.4	91689	286402	End Point	End Point	Kelp	Other	With macroalgae	Scope
IE001482 T51	91623	286455	91609	286444	Kelp	Other		Scope
IE001482 T51.1	91609	286444	91588	286417	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	Zostera marina mixed With kelp	Scope
IE001482 T51.2	91588	286417	91557	286371	Sand	Other	With gravel	Scope
IE001482 T51.3	91557	286371	91532	286314	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T51.4	91532	286314	91513	286242	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T51.5	91513	286242	91502	286207	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T51.6	91502	286207	91489	286183	Sand	Other	With gravel	Scope



IE001482 T51.7	91489	286183	91480	286172	Kelp	Other		Scope
IE001482 T51.8	91480	286172	91460	286162	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T51.9	91460	286162	91413	286157	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With Kelp	Scope
IE001482 T51.10	91413	286157	91384	286161	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T51.11	91384	286161	91370	286178	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T51.12	91370	286178	91382	286228	Kelp	Other		Scope
IE001482 T51.13	91382	286228	91391	286267	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	With Kelp	Scope
IE001482 T51.14	91391	286267	91427	286413	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T51.15	91427	286413	91446	286475	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE001482 T51.16	91446	286475	91455	286511	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With Kelp	Scope
IE001482 T51.17	91455	286511	91455	286539	Kelp	Other		Scope
IE001482 T51.18	91455	286539	End Point	End Point	Mud	Other	With gravel	Scope
IE001482 T52	91406	286612	91352	286481	Mud	Other	With gravel	Scope
IE001482 T52.1	91352	286481	91348	286464	Mud	Other		Scope
IE001482 T52.2	91348	286464	91334	286434	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T52.3	91334	286434	91322	286398	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T52.4	91322	286398	91321	286387	Mud	Other		Scope
IE001482 T52.5	91321	286387	91302	286307	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T52.6	91302	286307	91283	286213	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T52.7	91283	286213	91274	286187	Sand	Other		Scope
IE001482 T52.8	91274	286187	91264	286162	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T52.9	91264	286162	91258	286144	<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
IE001482 T52.10	91258	286144	91228	286110	Kelp	Other		Scope
IE001482 T52.11	91228	286110	91186	286049	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With Kelp	Scope
IE001482 T52.12	91186	286049	91133	286002	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With Kelp	Scope
IE001482 T52.13	91133	286002	91095	285985	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With Kelp	Scope
IE001482 T52.14	91095	285985	91093	286055	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With Kelp	Scope
IE001482 T52.15	91093	286055	91119	286130	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T52.16	91119	286130	91129	286153	Sand	Other	With shell and gravel	Scope
IE001482 T52.17	91129	286153	91174	286242	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T52.18	91174	286242	91191	286274	Sand	Other	With shell and gravel	Scope
IE001482 T52.19	91191	286274	91198	286293	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T52.20	91198	286293	91210	286332	Sand	Other	With shell and gravel	Scope
IE001482 T52.21	91210	286332	91229	286389	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T52.22	91229	286389	91238	286425	Sand	Other	With shell and gravel	Scope
IE001482 T52.23	91238	286425	91259	286495	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T52.24	91259	286495	91319	286692	Sand	Other	With gravel	Scope
IE001482 T52.25	91319	286692	91328	286724	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T52.26	91328	286724	91334	286752	Kelp	Other		Scope
IE001482 T52.27	91334	286752	91339	286780	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T52.28	91339	286780	91345	286807	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T52.29	91345	286807	91358	286854	Gravel	Other		Scope

IE001482 T52.30	91358	286854	91275	286874	Gravel	Other		Scope
IE001482 T52.31	91275	286874	91230	286736	Gravel	Other		Scope
IE001482 T52.32	91230	286736	91164	286675	Mud	Other	With shell	Scope
IE001482 T52.33	91164	286675	91128	286613	Mud	Other	With shell	Scope
IE001482 T52.34	91128	286613	91066	286548	Mud	Other	With shell	Scope
IE001482 T52.35	91066	286548	91071	286413	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T52.36	91071	286413	91056	286347	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE001482 T52.37	91056	286347	91039	286312	Gravel	Other		Scope
IE001482 T52.38	91039	286312	91016	286263	Sand	Other	With gravel and shell	Scope
IE001482 T52.39	91016	286263	90994	286217	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T52.40	90994	286217	End Point	End Point	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T53	90944	286204	90904	286190	Kelp	Other		Scope
IE001482 T53.1	90904	286190	90871	286195	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	With Kelp	Scope
IE001482 T53.2	90871	286195	90856	286231	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T53.3	90856	286231	90867	286249	Mud	Other		Scope
IE001482 T53.4	90867	286249	90877	286268	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T53.5	90877	286268	90906	286324	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T53.6	90906	286324	90997	286451	Mud	Other	Sandy mud	Scope
IE001482 T53.7	90997	286451	91012	286476	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T53.8	91012	286476	91034	286547	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T53.9	91034	286547	91051	286647	<i>Zostera marina</i> Abundant Maërl Living & Dead	<i>Zostera marina</i> Abundant Maërl Living & Dead		Scope
IE001482 T53.10	91051	286647	91098	286816	Sand	Other	With shell and macroalgae	Scope
IE001482 T53.11	91098	286816	91083	286877	Maërl Living & Dead	Maërl Living & Dead	Patchy distribution of Maërl on bottom sediment	Scope
IE001482 T53.12	91083	286877	90998	286892	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T53.13	90998	286892	90963	286863	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T53.14	90963	286863	90911	286780	Sand	Other	With shell and gravel	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T53.15	90911	286780	90898	286640	Maërl Living & Dead	Maërl Living & Dead	Patchy distribution of Maërl mixed With shell	Scope
IE001482 T53.16	90898	286640	90882	286432	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T53.17	90882	286432	90877	286375	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE001482 T53.18	90877	286375	90850	286324	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T53.19	90850	286324	90795	286204	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T53.20	90795	286204	90740	286101	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T53.21	90740	286101	90726	286074	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T53.22	90726	286074	90715	286053	Sand	Other		Scope
IE001482 T53.23	90715	286053	90706	285991	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T53.24	90706	285991	90698	285960	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T53.25	90698	285960	90675	285893	Kelp	Other		Scope
IE001482 T53.26	90675	285893	90676	285860	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T53.27	90676	285860	90683	285800	Sand	Other		Scope
IE001482 T53.28	90683	285800	90762	285798	Sand	Other		Scope

IE001482 T53.29	90762	285798	90794	285792	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T53.30	90794	285792	90850	285781	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T53.31	90850	285781	End Point	End Point	Kelp	Other		Scope
IE001482 T54	90937	285807	90870	285888	Sand	Other	With shell and gravel	Scope
IE001482 T54.1	90870	285888	90842	285919	Maërl Living	Maërl Living		Scope
IE001482 T54.2	90842	285919	90727	285961	Kelp	Other	With macroalgae	Scope
IE001482 T54.3	90727	285961	90650	285998	Kelp	Other	On shelly sand	Scope
IE001482 T54.4	90650	285998	90707	286011	Gravel	Other	With shell	Scope
IE001482 T54.5	90707	286011	End Point	End Point	Shell	Other	With a scattering of Maërl	Scope
IE001482 T55	90638	286066	90662	286117	Sand	Other	With Shell and a small scattering of live Maërl	Scope
IE001482 T55.1	90662	286117	90669	286140	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T55.2	90669	286140	90673	286158	Sand	Other		Scope
IE001482 T55.3	90673	286158	90701	286194	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T55.4	90701	286194	90719	286226	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T55.5	90719	286226	90730	286264	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T55.6	90730	286264	90759	286344	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T55.7	90759	286344	90780	286369	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T55.8	90780	286369	90787	286394	Sand	Other		Scope
IE001482 T55.9	90787	286394	90813	286459	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T55.10	90813	286459	End Point	End Point	Sand	Other	Shelly sand	Scope
IE001482 T56	91390	286810	End Point	End Point	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	Spot dive	Dive
IE001482 T57	91351	286850	End Point	End Point	Maërl Living	Maërl Living	Spot dive	Dive
IE001482 T58	90991	286728	90886	286682	Mud	Other	Some live Maërl	Scope
IE001482 T58.1	90886	286682	90823	286658	Maërl Living	Maërl Living	On mud, patchy Maërl	Scope
IE001482 T58.2	90823	286658	90793	286652	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE001482 T58.3	90793	286652	90750	286645	Maërl Living & Dead	Maërl Living & Dead	Patchy thin distribution of Maërl	Scope
IE001482 T58.4	90750	286645	90606	286585	Mud	Other	With shell and Maërl fragments	Scope
IE001482 T58.5	90606	286585	90542	286576	Mud	Other	With shell	Scope
IE001482 T58.6	90542	286576	90505	286581	Mud	Other	With shell	Scope
IE001482 T58.7	90505	286581	End Point	End Point	Mud	Other		Scope
IE001482 T59	90469	286442	90478	286419	Zostera marina Abundant	Zostera marina Abundant		Scope
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IE001482 T59.1	90478	286419	90489	286413	Mud	Other		Scope
IE001482 T59.2	90489	286413	90551	286412	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy		Scope
IE001482 T59.3	90551	286412	90570	286418	Mud	Other		Scope
IE001482 T59.4	90570	286418	90611	286428	Mud	Other	With shell	Scope
IE001482 T59.5	90611	286428	90650	286439	Mud	Other	With shell	Scope
IE001482 T59.6	90650	286439	90693	286472	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy		Scope
IE001482 T59.7	90693	286472	90779	286520	Mud	Other		Scope
IE001482 T59.8	90779	286520	90875	286547	Maërl Living & Dead	Maërl Living & Dead	On mud and shell	Scope
IE001482 T59.9	90875	286547	90953	286572	Maërl Living & Dead	Maërl Living & Dead	Patchy Maërl distribution on mud	Scope
IE001482 T59.10	90953	286572	90995	286597	Maërl Living & Dead	Maërl Living & Dead	On mud	Scope

IE001482 T59.11	90995	286597	End Point	End Point	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T60	91003	286485	90971	286467	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T60.1	90971	286467	90936	286454	Mud	Other		Scope
IE001482 T60.2	90936	286454	90822	286408	Mud	Other	With shell	Scope
IE001482 T60.3	90822	286408	90774	286390	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T60.4	90774	286390	90716	286374	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T60.5	90716	286374	90659	286356	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy		Scope
IE001482 T60.6	90659	286356	90608	286327	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T60.7	90608	286327	90556	286312	Mud	Other	With macroalgae	Scope
IE001482 T60.8	90556	286312	90508	286299	Mud	Other	With shell	Scope
IE001482 T60.9	90508	286299	90381	286263	Mud	Other	With macroalgae	Scope
IE001482 T60.10	90381	286263	90303	286218	Mud	Other		Scope
IE001482 T60.11	90303	286218	90292	286206	Mud	Other		Scope
IE001482 T60.12	90292	286206	End Point	End Point	Mud	Other		Scope
IE001482 T61	90298	286105	90334	286102	Mud	Other	With Chorda filum	Scope
IE001482 T61.1	90334	286102	90370	286122	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T61.2	90370	286122	90378	286124	Mud	Other		Scope
IE001482 T61.3	90378	286124	90423	286139	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T61.4	90423	286139	90558	286168	Mud	Other		Scope
IE001482 T61.5	90558	286168	90631	286205	Mud	Other	With Oyster shell	Scope
IE001482 T61.6	90631	286205	90660	286223	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T61.7	90660	286223	90756	286246	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T61.8	90756	286246	End Point	End Point	Zostera marina Abundant	Zostera marina Abundant	Dense bed of Zostera marina	Scope
IE001482 T62	90773	286158	90748	286128	Zostera marina Abundant	Zostera marina Abundant	Dense bed of Zostera marina	Scope
IE001482 T62.1	90748	286128	90715	286115	Zostera marina Occasional	Zostera marina Occasional	On mud and shell	Scope
IE001482 T62.2	90715	286115	90678	286103	Mud	Other	With shell	Scope
IE001482 T62.3	90678	286103	90638	286091	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T62.4	90638	286091	90508	286046	Mud	Other	With shell	Scope
IE001482 T62.5	90508	286046	90434	286024	Mud	Other		Scope
IE001482 T62.6	90434	286024	90394	286014	Mud	Other	With macroalgae	Scope
IE001482 T62.7	90394	286014	90381	286008	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T62.8	90381	286008	90364	286004	Mud	Other		Scope
IE001482 T62.9	90364	286004	90324	285990	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T62.10	90324	285990	90281	285976	Mud	Other		Scope
IE001482 T62.11	90281	285976	End Point	End Point	Mud	Other		Scope
IE001482 T63	90258	285794	90288	285820	Mud	Other	With macroalgae	Scope
IE001482 T63.1	90288	285820	90321	285829	Mud	Other	With macroalgae	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T63.2	90321	285829	90347	285849	Mud	Other	With macroalgae	Scope
IE001482 T63.3	90347	285849	90393	285871	Mud	Other		Scope
IE001482 T63.4	90393	285871	90448	285892	Mud	Other		Scope
IE001482 T63.5	90448	285892	90481	285904	Mud	Other	With macroalgae and shell	Scope
IE001482 T63.6	90481	285904	90512	285917	Mud	Other	With macroalgae	Scope

IE001482 T63.7	90512	285917	90536	285926	Zostera marina Occasional Maërl Living & Dead	Zostera marina Occasional Maërl Living & Dead	On mud	Scope
IE001482 T63.8	90536	285926	90566	285932	Zostera marina Frequent	Zostera marina Frequent	On mud	Scope
IE001482 T63.9	90566	285932	90593	285948	Zostera marina Frequent	Zostera marina Frequent	On mud	Scope
IE001482 T63.10	90593	285948	90625	285972	Mud	Other	With shell	Scope
IE001482 T63.11	90625	285972	90690	286022	Mud	Other	With macroalgae	Scope
IE001482 T63.12	90690	286022	End Point	End Point	Mud	Other	With macroalgae	Scope
IE001482 T64	90413	285715	90434	285674	Mud	Other	With macroalgae	Scope
IE001482 T64.1	90434	285674	90480	285688	Mud	Other	With macroalgae and shell	Scope
IE001482 T64.2	90480	285688	90490	285692	Mud	Other	With Ensis sp.	Scope
IE001482 T64.3	90490	285692	90510	285704	Zostera marina Abundant	Zostera marina Abundant	Dense bed of Zostera marina	Scope
IE001482 T64.4	90510	285704	90538	285724	Zostera marina Abundant	Zostera marina Abundant	Dense bed of Zostera marina	Scope
IE001482 T64.5	90538	285724	90564	285735	Mud	Other		Scope
IE001482 T64.6	90564	285735	90603	285740	Mud	Other	With macroalgae	Scope
IE001482 T64.7	90603	285740	90630	285752	Mud	Other	With macroalgae	Scope
IE001482 T64.8	90630	285752	90650	285762	Zostera marina Abundant	Zostera marina Abundant	On mud	Scope
IE001482 T64.9	90650	285762	90674	285781	Zostera marina Frequent	Zostera marina Frequent	On mud	Scope
IE001482 T64.10	90674	285781	90698	285799	Zostera marina Occasional	Zostera marina Occasional	On mud	Scope
IE001482 T64.11	90698	285799	90751	285839	Zostera marina Rare	Zostera marina Rare	On mud	Scope
IE001482 T64.12	90751	285839	90796	285878	Mud	Other	With macroalgae	Scope
IE001482 T64.13	90796	285878	90823	285873	Maërl Living & Dead	Maërl Living & Dead	With macroalgae and shell on mud	Scope
IE001482 T64.14	90823	285873	90844	285882	Maërl Living & Dead	Maërl Living & Dead	With macroalgae and shell on mud. The Maërl distribution is patchy	Scope
IE001482 T64.15	90844	285882	90878	285841	Maërl Living	Maërl Living	Good living Maërl bed with shell and anemones on mud	Scope
IE001482 T64.16	90878	285841	End Point	End Point	Kelp	Other		Scope
IE001482 T65	90432	285611	90453	285596	Mud	Other	Gravel on mud	Scope
IE001482 T65.1	90453	285596	90499	285618	Mud	Other	With macroalgae	Scope
IE001482 T65.2	90499	285618	90522	285622	Mud	Other	With macroalgae	Scope
IE001482 T65.3	90522	285622	90538	285634	Zostera marina Rare	Zostera marina Rare	On mud	Scope
IE001482 T65.4	90538	285634	90576	285648	Zostera marina Abundant	Zostera marina Abundant	On mud	Scope
IE001482 T65.5	90576	285648	90591	285653	Mud	Other		Scope
IE001482 T65.6	90591	285653	90602	285661	Zostera marina Frequent	Zostera marina Frequent	On mud	Scope
IE001482 T65.7	90602	285661	90642	285672	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy	On mud	Scope
IE001482 T65.8	90642	285672	90667	285672	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	On mud	Scope
IE001482 T65.9	90667	285672	End Point	End Point	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	On mud	Scope
IE001482 T66	90726	285562	90683	285587	Mud	Other	With macroalgae	Scope
IE001482 T66.1	90683	285587	90679	285590	Mud	Other		Scope
IE001482 T66.2	90679	285590	90657	285611	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	On mud	Scope
IE001482 T66.3	90657	285611	90652	285626	Mud	Other		Scope
IE001482 T66.4	90652	285626	90633	285659	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy	On mud	Scope
IE001482 T66.5	90633	285659	90615	285678	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy	On mud	Scope
IE001482 T66.6	90615	285678	90603	285710	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	On mud	Scope
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IE001482 T66.7	90603	285710	90595	285733	Zostera marina Rare Patchy	Zostera marina Rare Patchy	On mud	Scope
IE001482 T66.8	90595	285733	90587	285759	Mud	Other	With macroalgae	Scope
IE001482 T66.9	90587	285759	90587	285791	Mud	Other	With macroalgae	Scope
IE001482 T66.10	90587	285791	90598	285836	Mud	Other	With macroalgae	Scope
IE001482 T66.11	90598	285836	90605	285867	Mud	Other	With macroalgae	Scope
IE001482 T66.12	90605	285867	90605	285898	Mud	Other	With macroalgae	Scope
IE001482 T66.13	90605	285898	90615	285922	Mud	Other	With macroalgae	Scope
IE001482 T66.14	90615	285922	90620	285954	Mud	Other	With shell and macroalgae	Scope
IE001482 T66.15	90620	285954	90630	285988	Mud	Other	With shell and macroalgae	Scope
IE001482 T66.16	90630	285988	90618	286014	Mud	Other	With shell and macroalgae	Scope
IE001482 T66.17	90618	286014	End Point	End Point	Mud	Other	With shell and macroalgae	Scope
IE001482 T67	90530	285566	90511	285623	Mud	Other	With macroalgae	Scope
IE001482 T67.1	90511	285623	90503	285647	Zostera marina Abundant	Zostera marina Abundant	On mud	Scope
IE001482 T67.2	90503	285647	90495	285687	Zostera marina Abundant	Zostera marina Abundant	On mud	Scope
IE001482 T67.3	90495	285687	90496	285717	Zostera marina Abundant	Zostera marina Abundant	On mud	Scope
IE001482 T67.4	90496	285717	90510	285753	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy	On mud	Scope
IE001482 T67.5	90510	285753	90511	285791	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy	On mud	Scope
IE001482 T67.6	90511	285791	90506	285808	Mud	Other		Scope
IE001482 T67.7	90506	285808	90513	285838	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy	On mud	Scope
IE001482 T67.8	90513	285838	90504	285904	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy	On mud	Scope
IE001482 T67.9	90504	285904	90501	285940	Mud	Other		Scope
IE001482 T67.10	90501	285940	90505	285974	Mud	Other		Scope
IE001482 T67.11	90505	285974	90522	286009	Mud	Other		Scope
IE001482 T67.12	90522	286009	90524	286026	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy	On mud	Scope
IE001482 T67.13	90524	286026	90531	286057	Mud	Other		Scope
IE001482 T67.14	90531	286057	90541	286084	Mud	Other	With shell	Scope
IE001482 T67.15	90541	286084	90549	286114	Mud	Other	With shell and macroalgae	Scope
IE001482 T67.16	90549	286114	90559	286136	Mud	Other	With shell and macroalgae	Scope
IE001482 T67.17	90559	286136	90576	286185	Mud	Other	With shell	Scope
IE001482 T67.18	90576	286185	90594	286222	Mud	Other	With shell	Scope
IE001482 T67.19	90594	286222	90606	286260	Mud	Other	With shell	Scope
IE001482 T67.20	90606	286260	90615	286301	Mud	Other	With shell and macroalgae	Scope
IE001482 T67.21	90615	286301	90626	286337	Mud	Other	With macroalgae	Scope
IE001482 T67.22	90626	286337	90643	286372	Mud	Other	With macroalgae	Scope
IE001482 T67.23	90643	286372	90653	286415	Mud	Other	With macroalgae	Scope
IE001482 T67.24	90653	286415	90666	286450	Mud	Other	With macroalgae	Scope
IE001482 T67.25	90666	286450	90675	286486	Zostera marina Abundant Patchy	Zostera marina Abundant Patchy	On mud	Scope
IE001482 T67.26	90675	286486	90679	286509	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T67.27	90679	286509	90677	286522	Zostera marina Abundant	Zostera marina Abundant	On mud	Scope
IE001482 T67.28	90677	286522	90670	286519	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy	On mud	Scope
IE001482 T67.29	90670	286519	90664	286546	Mud	Other		Scope
IE001482 T67.30	90664	286546	90660	286573	Mud	Other	With macroalgae	Scope
IE001482 T67.31	90660	286573	90638	286604	Mud	Other	With macroalgae	Scope
IE001482 T67.32	90638	286604	90626	286615	Mud	Other	With macroalgae	Scope



IE001482 T67.33	90626	286615	End Point	End Point	Mud	Other	With macroalgae	Scope
IE001482 T68	90636	285050	90681	284982	Sand	Other	With gravel	Scope
IE001482 T68.1	90681	284982	90712	284973	Kelp	Other	With <i>Alaria esculenta</i>	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T68.2	90712	284973	90748	285036	Kelp	Other	On gravel and fine sand	Scope
IE001482 T68.3	90748	285036	90894	285052	Kelp	Other	On gravel	Scope
IE001482 T68.4	90894	285052	91012	285041	Kelp	Other	On fine sand and gravel	Scope
IE001482 T68.5	91012	285041	91075	285030	Kelp	Other		Scope
IE001482 T68.6	91075	285030	91080	284978	Kelp	Other	On fine gravel	Scope
IE001482 T68.7	91080	284978	End Point	End Point	Sand	Other		Scope
IE001482 T69	91034	284945	90957	284959	Sand	Other		Scope
IE001482 T69.1	90957	284959	90910	284943	Sand	Other		Scope
IE001482 T69.2	90910	284943	90823	284904	Sand	Other	With kelp	Scope
IE001482 T69.3	90823	284904	90693	284888	Sand	Other	With kelp	Scope
IE001482 T69.4	90693	284888	End Point	End Point	Kelp	Other	On sand with <i>Alaria esculenta</i>	Scope
IE001482 T70	90693	284830	90714	284774	Kelp	Other		Scope
IE001482 T70.1	90714	284774	90723	284731	Kelp	Other		Scope
IE001482 T70.2	90723	284731	End Point	End Point	Kelp	Other	On gravel	Scope
IE001482 T71	90656	284685	90591	284716	Kelp	Other		Scope
IE001482 T71.1	90591	284716	90523	284753	Kelp	Other		Scope
IE001482 T71.2	90523	284753	90443	284802	Kelp	Other		Scope
IE001482 T71.3	90443	284802	90391	284845	Kelp	Other		Scope
IE001482 T71.4	90391	284845	End Point	End Point	Kelp	Other		Scope
IE001482 T72	90428	284873	90517	284873	Kelp	Other	On gravel	Scope
IE001482 T72.1	90517	284873	90588	284888	Kelp	Other		Scope
IE001482 T72.2	90588	284888	90622	284913	Kelp	Other	On sand	Scope
IE001482 T72.3	90622	284913	End Point	End Point	Kelp	Other		Scope
IE001482 T73	90652	284950	90649	285008	Kelp	Other		Scope
IE001482 T73.1	90649	285008	90621	285088	Kelp	Other	On gravel	Scope
IE001482 T73.2	90621	285088	90596	285135	Sand	Other	On gravel	Scope
IE001482 T73.3	90596	285135	90538	285171	Sand	Other	With macroalgae	Scope
IE001482 T73.4	90538	285171	90458	285208	Sand	Other	With gravel and macroalgae	Scope
IE001482 T73.5	90458	285208	90408	285236	Sand	Other	With gravel and macroalgae	Scope
IE001482 T73.6	90408	285236	90384	285245	Kelp	Other	On gravel	Scope
IE001482 T73.7	90384	285245	End Point	End Point	Kelp	Other		Scope
IE001482 T74	89972	284964	89908	284996	Kelp	Other		Scope
IE001482 T74.1	89908	284996	89871	285041	Kelp	Other	On cobbles and gravel	Scope
IE001482 T74.2	89871	285041	89825	285123	Sand	Other		Scope
IE001482 T74.3	89825	285123	89802	285148	Sand	Other		Scope
IE001482 T74.4	89802	285148	89736	285246	<i>Zostera marina</i> Rare Patchy	<i>Zostera marina</i> Rare Patchy		Scope
IE001482 T74.5	89736	285246	89725	285293	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T74.6	89725	285293	89648	285410	<i>Zostera marina</i> Rare Patchy	<i>Zostera marina</i> Rare Patchy		Scope
IE001482 T74.7	89648	285410	89629	285451	<i>Zostera marina</i> Rare Patchy	<i>Zostera marina</i> Rare Patchy		Scope

IE001482 T74.8	89629	285451	89459	285567	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T74.9	89459	285567	89352	285668	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T74.10	89352	285668	89314	285710	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T74.11	89314	285710	89276	285773	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T74.12	89276	285773	89251	285805	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T74.13	89251	285805	89210	285882	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T74.14	89210	285882	End Point	End Point	Sand	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T75	89117	285819	89092	285779	Sand	Other		Scope
IE001482 T75.1	89092	285779	89053	285707	Sand	Other	With Kelp	Scope
IE001482 T75.2	89053	285707	88971	285583	Kelp	Other		Scope
IE001482 T75.3	88971	285583	88923	285508	Kelp	Other		Scope
IE001482 T75.4	88923	285508	88893	285465	Kelp	Other		Scope
IE001482 T75.5	88893	285465	88897	285434	Kelp	Other		Scope
IE001482 T75.6	88897	285434	88952	285356	Sand	Other		Scope
IE001482 T75.7	88952	285356	88971	285327	Sand	Other		Scope
IE001482 T75.8	88971	285327	89036	285229	Kelp	Other		Scope
IE001482 T75.9	89036	285229	89057	285203	Kelp	Other		Scope
IE001482 T75.10	89057	285203	89090	285169	Kelp	Other		Scope
IE001482 T75.11	89090	285169	89112	285148	Zostera marina Occasional	Zostera marina Occasional	On sand	Scope
IE001482 T75.12	89112	285148	89130	285108	Zostera marina Rare	Zostera marina Rare	On sand	Scope
IE001482 T75.13	89130	285108	89177	285031	Zostera marina Occasional	Zostera marina Occasional	On sand	Scope
IE001482 T75.14	89177	285031	89236	284953	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T75.15	89236	284953	89291	284887	Sand	Other		Scope
IE001482 T75.16	89291	284887	89421	284656	Sand	Other		Scope
IE001482 T75.17	89421	284656	89464	284584	Sand	Other		Scope
IE001482 T75.18	89464	284584	89514	284616	Sand	Other		Scope
IE001482 T75.19	89514	284616	89645	284768	Sand	Other		Scope
IE001482 T75.20	89645	284768	89751	284809	Sand	Other		Scope
IE001482 T75.21	89751	284809	89785	284850	Sand	Other	With Kelp	Scope
IE001482 T75.22	89785	284850	89848	284909	Sand	Other	With Kelp	Scope
IE001482 T75.23	89848	284909	89904	284982	Sand	Other	With gravel and kelp	Scope
IE001482 T75.24	89904	284982	89963	285043	Sand	Other		Scope
IE001482 T75.25	89963	285043	90040	285160	Sand	Other		Scope
IE001482 T75.26	90040	285160	End Point	End Point	Kelp	Other		Scope
IE001482 T76	89899	284856	89899	284851	Sand	Other		Scope
IE001482 T76.1	89899	284851	89849	284895	Sand	Other	With macroalgae and shell	Scope
IE001482 T76.2	89849	284895	89823	284922	Kelp	Other		Scope
IE001482 T76.3	89823	284922	89768	284974	Kelp	Other		Scope
IE001482 T76.4	89768	284974	89738	285007	Sand	Other		Scope
IE001482 T76.5	89738	285007	89709	285043	Sand	Other	With patches of kelp	Scope
IE001482 T76.6	89709	285043	89607	285138	Sand	Other		Scope
IE001482 T76.7	89607	285138	89557	285188	Zostera marina Rare	Zostera marina Rare		Scope

IE001482 T76.8	89557	285188	89549	285196	Kelp	Other		Scope
IE001482 T76.9	89549	285196	89532	285212	Sand	Other	With Kelp	Scope
IE001482 T76.10	89532	285212	89487	285259	Kelp	Other		Scope
IE001482 T76.11	89487	285259	89477	285272	Sand	Other	With Kelp	Scope
IE001482 T76.12	89477	285272	89441	285315	Kelp	Other		Scope
IE001482 T76.13	89441	285315	89411	285344	Kelp	Other		Scope
IE001482 T76.14	89411	285344	89340	285433	Kelp	Other		Scope
IE001482 T76.15	89340	285433	89315	285487	Kelp	Other		Scope
IE001482 T76.16	89315	285487	End Point	End Point	Kelp	Other		Scope
IE001482 T77	89719	285818	89683	285859	Kelp	Other		Scope
IE001482 T77.1	89683	285859	89617	285912	Kelp	Other		Scope
IE001482 T77.2	89617	285912	89498	286042	Kelp	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T77.3	89498	286042	89494	286187	Kelp	Other		Scope
IE001482 T77.4	89494	286187	89513	286276	Kelp	Other		Scope
IE001482 T77.5	89513	286276	89541	286695	Kelp	Other		Scope
IE001482 T77.6	89541	286695	89559	286725	Kelp	Other		Scope
IE001482 T77.7	89559	286725	End Point	End Point	Kelp	Other		Scope
IE001482 T78	89365	285727	89348	285698	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T78.1	89348	285698	89322	285677	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T78.2	89322	285677	89287	285630	Sand	Other		Scope
IE001482 T78.3	89287	285630	89262	285609	Sand	Other		Scope
IE001482 T78.4	89262	285609	89247	285575	Kelp	Other		Scope
IE001482 T78.5	89247	285575	89217	285530	Kelp	Other		Scope
IE001482 T78.6	89217	285530	89179	285493	Kelp	Other		Scope
IE001482 T78.7	89179	285493	89130	285443	Kelp	Other		Scope
IE001482 T78.8	89130	285443	89107	285404	Kelp	Other		Scope
IE001482 T78.9	89107	285404	89069	285352	Sand	Other		Scope
IE001482 T78.10	89069	285352	End Point	End Point	Sand	Other		Scope
IE001482 T79	88965	285124	88991	285122	Kelp	Other		Scope
IE001482 T79.1	88991	285122	89071	285178	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand	Scope
IE001482 T79.2	89071	285178	89109	285204	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T79.3	89109	285204	89137	285231	Kelp	Other		Scope
IE001482 T79.4	89137	285231	89190	285259	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On sand	Scope
IE001482 T79.5	89190	285259	89216	285295	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T79.6	89216	285295	89278	285355	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	Short turf on sand	Scope
IE001482 T79.7	89278	285355	89332	285407	Kelp	Other		Scope
IE001482 T79.8	89332	285407	89364	285458	Kelp	Other		Scope
IE001482 T79.9	89364	285458	89416	285521	Kelp	Other		Scope
IE001482 T79.10	89416	285521	89445	285547	Sand	Other		Scope
IE001482 T79.11	89445	285547	89476	285578	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T79.12	89476	285578	89512	285619	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T79.13	89512	285619	89561	285678	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope

IE001482 T79.14	89561	285678	89590	285710	Zostera marina Occasional	Zostera marina Occasional	On sand	Scope
IE001482 T79.15	89590	285710	89639	285755	Zostera marina Rare	Zostera marina Rare	On sand. Spot dive	Scope
IE001482 T79.16	89639	285755	89666	285797	Zostera marina Rare	Zostera marina Rare	On sand, Spot dive	Scope
IE001482 T79.17	89666	285797	89682	285811	Sand	Other	With macroalgae	Scope
IE001482 T79.18	89682	285811	End Point	End Point	Sand	Other	With macroalgae	Scope
IE001482 T80	89756	285717	89739	285696	Sand	Other	With macroalgae	Scope
IE001482 T80.1	89739	285696	89697	285648	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T80.2	89697	285648	89663	285608	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T80.3	89663	285608	89617	285551	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T80.4	89617	285551	89572	285498	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T80.5	89572	285498	89540	285434	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T80.6	89540	285434	End Point	End Point	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T81	89526	285426	89485	285391	Zostera marina Occasional	Zostera marina Occasional	On sand	Scope
IE001482 T81.1	89485	285391	89464	285372	Zostera marina Occasional	Zostera marina Occasional	On sand	Scope
IE001482 T81.2	89464	285372	89444	285358	Zostera marina Rare	Zostera marina Rare	On sand	Scope
IE001482 T81.3	89444	285358	89397	285289	Kelp	Other		Scope
IE001482 T81.4	89397	285289	89370	285257	Kelp	Other	Some Zostera marina (Rare) in kelp	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T81.5	89370	285257	89344	285230	Zostera marina Rare	Zostera marina Rare	On sand	Scope
IE001482 T81.6	89344	285230	End Point	End Point	Vision gone	Other	Vision through scope insufficient to view seabed	Scope
IE001482 T82	89199	286217	End Point	End Point	Kelp	Other	Spot dive	Dive
IE001482 T82.1	89198	286030	89238	285977	Sand	Other	Spot dive	Dive
IE001482 T82.2	89238	285977	89273	285955	Sand	Other	Spot dive	Dive
IE001482 T82.3	89273	285955	89335	285940	Zostera marina Rare	Zostera marina Rare	On sand, short turf, spot dive	Dive
IE001482 T82.4	89335	285940	89375	285912	Zostera marina Rare	Zostera marina Rare	On sand, very short turf, spot dive	Dive
IE001482 T82.5	89375	285912	89436	285834	Zostera marina Rare	Zostera marina Rare	Very short turf spot dive	Dive
IE001482 T82.6	89436	285834	89501	285807	Zostera marina Rare	Zostera marina Rare	Short turf spot dive	Dive
IE001482 T82.7	89501	285807	89548	285779	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy	On sand spot dive	Dive
IE001482 T82.8	89548	285779	89568	285772	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T82.9	89568	285772	89611	285747	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T82.10	89611	285747	End Point	End Point	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T83	89648	285734	End Point	End Point	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy	Spot dive	Dive
IE001482 T83.1	89703	285689	89732	285653	Zostera marina Rare Patchy	Zostera marina Rare Patchy		Scope
IE001482 T83.2	89732	285653	89749	285633	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T83.3	89749	285633	89764	285606	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T83.4	89764	285606	89787	285576	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T83.5	89787	285576	89807	285563	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T83.6	89807	285563	89827	285526	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T83.7	89827	285526	89874	285493	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T83.8	89874	285493	89889	285458	Zostera marina Rare	Zostera marina Rare		Scope
IE001482 T83.9	89889	285458	89924	285433	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T83.10	89924	285433	89940	285390	Zostera marina Rare	Zostera marina Rare		Scope

IE001482 T83.11	89940	285390	89922	285365	Kelp	Other		Scope
IE001482 T83.12	89922	285365	89875	285353	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T83.13	89875	285353	89812	285310	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T83.14	89812	285310	89797	285290	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T83.15	89797	285290	89780	285278	Sand	Other	With Cobbles	Scope
IE001482 T83.16	89780	285278	89722	285230	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE001482 T83.17	89722	285230	89702	285223	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T83.18	89702	285223	89680	285218	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T83.19	89680	285218	89642	285190	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T83.20	89642	285190	89580	285160	<i>Zostera marina</i> Rare Patchy	<i>Zostera marina</i> Rare Patchy		Scope
IE001482 T83.21	89580	285160	89546	285138	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T83.22	89546	285138	89479	285086	Sand	Other		Scope
IE001482 T83.23	89479	285086	89404	285106	Sand	Other		Scope
IE001482 T83.24	89404	285106	89351	285131	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T83.25	89351	285131	89269	285166	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T83.26	89269	285166	89234	285183	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T83.27	89234	285183	89169	285203	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T83.28	89169	285203	89097	285228	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T83.29	89097	285228	89042	285266	Kelp	Other		Scope
IE001482 T83.30	89042	285266	End Point	End Point	Kelp	Other		Scope
IE001482 T84	89280	285231	89303	285172	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T84.1	89303	285172	89327	285116	<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
IE001482 T84.2	89327	285116	89372	285047	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T84.3	89372	285047	89382	285027	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T84.4	89382	285027	89405	285004	Sand	Other		Scope
IE001482 T84.5	89405	285004	89438	284954	Sand	Other		Scope
IE001482 T84.6	89438	284954	89460	284928	Sand	Other		Scope
IE001482 T84.7	89460	284928	89507	284847	Sand	Other		Scope
IE001482 T84.8	89507	284847	89532	284801	Sand	Other		Scope
IE001482 T84.9	89532	284801	89558	284722	Sand	Other		Scope
IE001482 T84.10	89558	284722	End Point	End Point	Sand	Other		Scope
IE001482 T85	90222	284743	90183	284815	Sand	Other		Scope
IE001482 T85.1	90183	284815	90161	284837	Sand	Other		Scope
IE001482 T85.2	90161	284837	90111	284826	Sand	Other		Scope
IE001482 T85.3	90111	284826	90129	284780	Sand	Other		Scope
IE001482 T85.4	90129	284780	90162	284744	Sand	Other		Scope
IE001482 T85.5	90162	284744	90206	284711	Sand	Other		Scope
IE001482 T85.6	90206	284711	90272	284681	Sand	Other		Scope
IE001482 T85.7	90272	284681	90316	284644	Sand	Other		Scope
IE001482 T85.8	90316	284644	90307	284616	Sand	Other		Scope
IE001482 T85.9	90307	284616	90215	284621	Sand	Other		Scope
IE001482 T85.10	90215	284621	90200	284695	Sand	Other		Scope

IE001482 T85.11	90200	284695	90202	284714	Sand	Other		Scope
IE001482 T85.12	90202	284714	90104	284708	Sand	Other		Scope
IE001482 T85.13	90104	284708	90120	284692	Kelp	Other		Scope
IE001482 T85.14	90120	284692	90144	284702	Sand	Other	With Kelp	Scope
IE001482 T85.15	90144	284702	End Point	End Point	Sand	Other		Scope
IE001482 T86	90169	284415	End Point	End Point	Sand	Other	Spot dive	Scope
IE001482 T86.1	90084	284408	89986	284433	Sand	Other		Scope
IE001482 T86.2	89986	284433	90044	284408	Sand	Other		Scope
IE001482 T86.3	90044	284408	90141	284428	Sand	Other	Clean sand. No epifauna of any type on this transect	Scope
IE001482 T86.4	90141	284428	90206	284428	Sand	Other	Clean sand. No epifauna of any type on this transect	Scope
IE001482 T86.5	90206	284428	90274	284448	Sand	Other		Scope
IE001482 T86.6	90274	284448	90294	284450	Sand	Other		Scope
IE001482 T86.7	90294	284450	End Point	End Point	Sand	Other	Clean sand. No epifauna of any type on this transect	Scope
IE001482 T87	90131	284528	90121	284475	Sand	Other		Scope
IE001482 T87.1	90121	284475	90141	284395	Sand	Other		Scope
IE001482 T87.2	90141	284395	90146	284340	Sand	Other		Scope
IE001482 T87.3	90146	284340	End Point	End Point	Sand	Other	Clean sand. No epifauna of any type on this transect	Scope
IE001482 T88	90970	284624	90965	284667	Sand	Other	Clean sand. No epifauna of any type on this transect	Scope
IE001482 T88.1	90965	284667	90925	284669	Sand	Other		Scope
IE001482 T88.2	90925	284669	90905	284649	Sand	Other		Scope
IE001482 T88.3	90905	284649	90905	284639	Sand	Other		Scope
IE001482 T88.4	90905	284639	90947	284614	Sand	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T88.5	90947	284614	90965	284597	Sand	Other		Scope
IE001482 T88.6	90965	284597	90945	284582	Sand	Other		Scope
IE001482 T88.7	90945	284582	90915	284577	Sand	Other		Scope
IE001482 T88.8	90915	284577	90887	284597	Sand	Other		Scope
IE001482 T88.9	90887	284597	90897	284612	Sand	Other		Scope
IE001482 T88.10	90897	284612	90925	284631	Sand	Other		Scope
IE001482 T88.11	90925	284631	90940	284657	Sand	Other		Scope
IE001482 T88.12	90940	284657	End Point	End Point	Sand	Other		Scope
IE001482 T89	93027	285519	93057	285570	Maërl Living	Maërl Living		Dive
IE001482 T89.1	93057	285570	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482 T90	93021	285565	End Point	End Point	Mud	Other	Spot dive	Scope
IE001482 T91	93012	285550	93023	285525	Mud	Other		Scope
IE001482 T91.1	93023	285525	93014	285483	Maërl Living	Maërl Living	On mud	Scope
IE001482 T91.2	93014	285483	93004	285463	Maërl Living	Maërl Living		Scope
IE001482 T91.3	93004	285463	End Point	End Point	Maërl Living	Maërl Living		Scope
IE001482 T92	93074	285289	End Point	End Point	Maërl Living	Maërl Living	Spot dive, boundary of mud and live	Scope



							Maërl at this position	
IE001482 T93	93047	285223	93021	285140	Maërl Living	Maërl Living		Scope
IE001482 T93.1	93021	285140	End Point	End Point	Sand	Other		Scope
IE001482 T94	92931	285002	End Point	End Point	Sand	Other	Spot dive sand with <i>Ensis</i> sp. and shell	Scope
IE001482 T94.1	92861	284967	92825	284971	Sand	Other	With macroalgae	Scope
IE001482 T94.2	92825	284971	92784	284970	Sand	Other	With macroalgae	Scope
IE001482 T94.3	92784	284970	End Point	End Point	Sand	Other	With macroalgae	Scope
IE001482 T95	92886	285064	92698	284827	Maërl Living	Maërl Living	Patchy Maërl distribution on sand	Scope
IE001482 T95.1	92698	284827	92677	284809	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE001482 T95.2	92677	284809	92659	284792	Maërl Living & Dead	Maërl Living & Dead	90 percent live 10 percent dead Maërl	Scope
IE001482_T95.3	92659	284792	92617	284763	Maërl Living & Dead	Maërl Living & Dead	Patchy Maërl distribution on sand with shell and macroalgae	Scope
IE001482 T95.4	92617	284763	92595	284738	Maërl Living	Maërl Living	With shell	Scope
IE001482_T95.5	92595	284738	92572	284723	Maërl Living & Dead	Maërl Living & Dead	Patchy Maërl distribution on bottom sediment	Scope
IE001482 T95.6	92572	284723	92562	284717	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T95.7	92562	284717	92549	284707	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Scope
IE001482_T95.8	92549	284707	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl/shell	Scope
IE001482 T96	92527	284692	92500	284663	Maërl Living & Dead	Maërl Living & Dead	With shell, spot dive	Scope
IE001482 T96.1	92500	284663	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T97	92737	284634	92715	284657	Maërl Living	Maërl Living		Scope
IE001482 T97.1	92715	284657	92700	284676	Maërl Living	Maërl Living		Scope
IE001482 T97.2	92700	284676	92690	284692	Maërl Living	Maërl Living	With shell	Scope
IE001482 T97.3	92690	284692	92667	284706	Maërl Living	Maërl Living		Scope
IE001482 T97.4	92667	284706	92641	284738	Maërl Living	Maërl Living		Scope
IE001482 T97.5	92641	284738	92627	284767	Maërl Living	Maërl Living	With shell	Scope
IE001482 T97.6	92627	284767	92608	284783	Maërl Living	Maërl Living		Scope
IE001482 T97.7	92608	284783	92598	284802	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T97.8	92598	284802	92584	284816	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T97.9	92584	284816	92574	284839	Maërl Living & Dead	Maërl Living & Dead		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T97.10	92574	284839	92550	284869	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE001482 T97.11	92550	284869	End Point	End Point	Sand	Other		Scope
IE001482 T98	92414	284793	92256	284805	Maërl Living	Maërl Living	Spot dive	Dive
IE001482 T98.1	92256	284805	92090	284812	Maërl Living	Maërl Living	With shell, spot dive	Dive
IE001482_T98.2	92090	284812	92085	284874	Maërl Living & Dead	Maërl Living & Dead	Thin cover of Maërl with shell on mud. Spot dive	Dive
IE001482 T98.3	92085	284874	92085	284910	Sand	Other	With macroalgae and shell. Spot dive	Dive
IE001482 T98.4	92085	284910	92110	284933	Sand	Other	With shell	Scope
IE001482 T98.5	92110	284933	End Point	End Point	Vision gone	Other	Vision insufficient to view seabed	Scope
IE001482 T99	91921	285193	91954	285180	Sand	Other	With shell	Scope
IE001482 T99.1	91954	285180	91939	285134	Sand	Other	Muddy sand	Scope
IE001482 T99.2	91939	285134	91931	285103	Sand	Other	Muddy sand	Scope

IE001482 T99.3	91931	285103	91931	285052	Sand	Other	Muddy sand with shell and macroalgae	Scope
IE001482 T99.4	91931	285052	91923	285024	Sand	Other	With shell	Scope
IE001482 T99.5	91923	285024	91921	284991	Sand	Other	With shell	Scope
IE001482 T99.6	91921	284991	91913	284911	Sand	Other	Muddy sand and shell	Scope
IE001482 T99.7	91913	284911	91916	284852	Mud	Other	With Sand and shell	Scope
IE001482 T99.8	91916	284852	91914	284811	Mud	Other	With Sand and shell	Scope
IE001482 T99.9	91914	284811	91924	284768	Mud	Other	With shell	Scope
IE001482 T99.10	91924	284768	End Point	End Point	Mud	Other	With Sand and shell	Scope
IE001482 T100	91914	284793	92054	284774	Maërl Living & Dead	Maërl Living & Dead		Dive
IE001482 T100.1	92054	284774	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE001482 T101	92252	284693	92309	284693	Sand	Other	With macroalgae	Dive
IE001482 T101.1	92309	284693	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	With oyster shell	Dive
IE001482 T102	92166	284708	92263	284727	Sand	Other	With cobbles and macroalgae	Dive
IE001482 T102.1	92263	284727	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	With sand and oyster shell	Dive
IE001482 T103	92569	284663	92814	284390	Maërl Living & Dead	Maërl Living & Dead	This is the boundary where live and dead Maërl becomes 100 percent live.	Dive
IE001482 T103.1	92814	284390	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Live and dead Maërl becomes sand with dead Maërl at this position.	Dive
IE001482 T104	93113	284231	93093	284285	Mud	Other	With oyster shell	Scope
IE001482 T104.1	93093	284285	92968	284422	Sand	Other	With macroalgae	Scope
IE001482 T104.2	92968	284422	92936	284498	Sand	Other	With shell, stones and macroalgae	Scope
IE001482 T104.3	92936	284498	92934	284561	Sand	Other	With shell and stones	Scope
IE001482 T104.4	92934	284561	92971	284614	Maërl Living & Dead	Maërl Living & Dead	With mud and macroalgae	Scope
IE001482 T104.5	92971	284614	End Point	End Point	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy	On sand	Scope
IE001482 T105	92693	284724	93036	284708	Maërl Living	Maërl Living		Dive
IE001482 T105.1	93036	284708	End Point	End Point	Sand	Other	With a sprinkling of dead Maërl	Dive
IE001482 T106	92723	284924	92734	284904	Sand	Other		Dive
IE001482 T106.1	92734	284904	92650	284875	Sand	Other		Dive
IE001482 T106.2	92650	284875	92644	284869	Sand	Other		Dive
IE001482 T106.3	92644	284869	92660	284841	Sand	Other		Dive
IE001482 T106.4	92660	284841	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent cover, 80 percent live Maërl	Dive
IE001482 T107	92071	285140	92222	284945	Sand	Other		Dive
IE001482 T107.1	92222	284945	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Dive
IE001482 T108	92402	284960	92412	284902	Sand	Other		Dive
IE001482 T108.1	92412	284902	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	With sand and kelp	Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T109	92403	284969	92668	284853	Sand	Other		Dive
IE001482 T109.1	92668	284853	End Point	End Point	Maërl Dead	Maërl Dead	With sand	Dive
IE001482 T110	94151	284294	94184	284301	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	On stone, shell and mud	Scope
IE001482 T110.1	94184	284301	94226	284343	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T110.2	94226	284343	94276	284387	Mud	Other	With shell and stone	Scope
IE001482 T110.3	94276	284387	End Point	End Point	Mud	Other	With shell and stone	Scope
IE001482 T111	94164	284270	94107	284293	Sand	Other	With shell	Scope

IE001482 T111.1	94107	284293	94053	284320	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T111.2	94053	284320	93953	284388	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE001482 T111.3	93953	284388	End Point	End Point	Sand	Other	With shell	Scope
IE001482 T112	93882	284387	93894	284365	Sand	Other	With macroalgae	Scope
IE001482 T113	93894	284365	93932	284339	Sand	Other		Scope
IE001482 T113.1	93932	284339	93983	284296	Sand	Other	With macroalgae	Scope
IE001482 T113.2	93983	284296	93995	284291	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T113.3	93995	284291	94068	284247	Sand	Other	With shell	Scope
IE001482 T113.4	94068	284247	End Point	End Point	Sand	Other		Scope
IE001482 T114	94090	284279	94099	284298	Sand	Other		Scope
IE001482 T114.1	94099	284298	94110	284341	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE001482 T114.2	94110	284341	94119	284363	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE001482 T114.3	94119	284363	94131	284405	Sand	Other		Scope
IE001482 T114.4	94131	284405	End Point	End Point	Sand	Other		Scope
IE001482 T115	94151	284451	94227	284407	Sand	Other	With shell	Scope
IE001482 T115.1	94227	284407	94265	284359	Sand	Other	With shell ( <i>Ostrea edulis</i> ) and <i>Ensis</i> sp	Scope
IE001482 T115.2	94265	284359	94286	284309	Sand	Other	With shell	Scope
IE001482 T115.3	94286	284309	End Point	End Point	Sand	Other	With shell	Scope
IE001482 T116	94266	284233	94216	284315	Sand	Other		Scope
IE001482 T116.1	94216	284315	94209	284337	Sand	Other		Scope
IE001482 T116.2	94209	284337	94196	284363	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T116.3	94196	284363	94188	284381	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE001482 T116.4	94188	284381	94180	284402	Sand	Other	With shell	Scope
IE001482 T116.5	94180	284402	End Point	End Point	Sand	Other	With shell	Scope
IE001482 T117	94127	284370	94131	284356	Sand	Other		Scope
IE001482 T117.1	94131	284356	94156	284316	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T117.2	94156	284316	94168	284290	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE001482 T117.3	94168	284290	94239	284192	Sand	Other	With shell	Scope
IE001482 T117.4	94239	284192	94310	284122	Sand	Other		Scope
IE001482 T117.5	94310	284122	End Point	End Point	Sand	Other		Scope
IE001482 T118	94137	284328	94076	284373	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE001482 T118.1	94076	284373	94023	284408	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE001482 T118.2	94023	284408	End Point	End Point	Sand	Other	With shell	Scope
IE001482 T119	94024	284387	94007	284335	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy		Scope
IE001482 T119.1	94007	284335	93988	284295	Sand	Other		Scope
IE001482 T119.2	93988	284295	End Point	End Point	Sand	Other	With shell	Scope
IE001482 T120	93910	284315	93998	284382	Sand	Other		Scope
IE001482 T120.1	93998	284382	94069	284402	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T120.2	94069	284402	94098	284415	Sand	Other	With shell ( <i>Ensis</i> sp.)	Scope
IE001482 T120.3	94098	284415	End Point	End Point	Sand	Other	With shell	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T121	94090	284418	93887	284590	Sand	Other		Dive
IE001482 T121.1	93887	284590	End Point	End Point	Maërl Living Duned	Maërl Living Duned	80 percent live 20 percent dead Maërl	Dive

							some of which is duned	
IE001482 T122	93841	284403	93787	284633	Mud	Other	With shell	Dive
IE001482 T122.1	93787	284633	End Point	End Point	Maërl Dead	Maërl Dead	Thin scattering of dead Maërl on mud	Dive
IE001482 T123	93817	284590	93700	284800	Sand	Other		Dive
IE001482 T123.1	93700	284800	End Point	End Point	Maërl Living & Dead Duned	Maërl Living & Dead Duned	Some duned Maërl	Dive
IE001482 T124	93815	284761	93820	284772	Sand	Other		Dive
IE001482 T124.1	93820	284772	93863	284820	Maërl Living Duned	Maërl Living Duned	Duned Maërl starts at this position	Dive
IE001482 T124.2	93863	284820	End Point	End Point	Mud	Other	With a scattering of Maërl	Dive
IE001482 T125	93682	284679	93672	284831	Sand	Other		Dive
IE001482 T125.1	93672	284831	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482 T126	93518	285186	93515	285053	Mud	Other		Dive
IE001482 T126.1	93515	285053	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482 T127	93330	285194	93309	285186	Maërl Living & Dead	Maërl Living & Dead	This position is the boundary where the Maërl bed begins	Dive
IE001482 T127.1	93309	285186	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE001482 T128	93266	284996	93236	285071	Sand	Other		Dive
IE001482 T128.1	93236	285071	End Point	End Point	Maërl Living & Dead Duned	Maërl Living & Dead Duned	80 percent dead 20 percent live Maërl	Dive
IE001482 T129	93351	285370	93282	285425	Mud	Other		Dive
IE001482 T129.1	93282	285425	93177	285532	Maërl Living	Maërl Living	With mud and macroalgae	Dive
IE001482 T129.2	93177	285532	End Point	End Point	Kelp	Other		Dive
IE001482 T130	93181	285542	93047	285546	Maërl Living	Maërl Living		Dive
IE001482 T130.1	93047	285546	End Point	End Point	Sand	Other		Dive
IE001482 T131	93300	285477	93352	285480	Maërl Living	Maërl Living		Dive
IE001482 T131.1	93352	285480	End Point	End Point	Sand	Other	With shell and macroalgae	Dive
IE001482 T132	93370	285479	93443	285447	Sand	Other	With macroalgae	Dive
IE001482 T132.1	93443	285447	End Point	End Point	Sand	Other	With shell	Dive
IE001482 T133	90433	285494	90683	285460	Sand	Other	With shell	Dive
IE001482 T133.1	90683	285460	End Point	End Point	Gravel	Other		Dive
IE001482 T134	90727	285453	90754	285551	Maërl Living	Maërl Living	Maërl occurs to the east of this transect	Dive
IE001482 T134.1	90754	285551	End Point	End Point	Sand	Other		Dive
IE001482 T135	90451	285427	90809	285524	Sand	Other		Dive
IE001482 T135.1	90809	285524	End Point	End Point	Sand	Other	With gravel	Dive
IE001482 T136	90444	285423	90539	285574	Sand	Other		Dive
IE001482 T136.1	90539	285574	End Point	End Point	Sand	Other		Dive
IE001482 T137	91235	285730	91191	285631	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE001482 T137.1	91191	285631	91182	285477	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE001482 T137.2	91182	285477	End Point	End Point	Maërl Living	Maërl Living	Transect ended in cobble	Dive
IE001482 T138	92023	285864	92043	285825	Sand	Other		Scope
IE001482 T138.1	92043	285825	92067	285790	Kelp	Other		Scope
IE001482 T138.2	92067	285790	92052	285769	Sand	Other	With shell and stone	Scope
IE001482 T138.3	92052	285769	92035	285777	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T138.4	92035	285777	92023	285788	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T138.5	92023	285788	92022	285806	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope

IE001482 T138.6	92022	285806	92031	285818	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T138.7	92031	285818	92042	285823	Sand	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T138.8	92042	285823	92056	285824	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T138.9	92056	285824	92067	285823	Sand	Other		Scope
IE001482 T138.10	92067	285823	92082	285815	Kelp	Other		Scope
IE001482 T138.11	92082	285815	92100	285788	Sand	Other		Scope
IE001482 T138.12	92100	285788	92088	285761	Kelp	Other	With shell	Scope
IE001482 T138.13	92088	285761	92057	285786	Sand	Other	With shell	Scope
IE001482 T138.14	92057	285786	92044	285809	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T138.15	92044	285809	92038	285822	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T138.16	92038	285822	92033	285832	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T138.17	92033	285832	92013	285858	Sand	Other		Scope
IE001482 T138.18	92013	285858	92003	285855	Sand	Other		Scope
IE001482 T138.19	92003	285855	92029	285804	Sand	Other	With shell and stone	Scope
IE001482 T138.20	92029	285804	92037	285753	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T138.21	92037	285753	End Point	End Point	Sand	Other	With shell	Scope
IE001482 T139	93416	285183	93413	285164	Sand	Other	With shell	Scope
IE001482 T139.1	93413	285164	93408	285168	Kelp	Other		Scope
IE001482 T139.2	93408	285168	93408	285175	Sand	Other	With shell	Scope
IE001482 T139.3	93408	285175	93410	285178	Sand	Other		Scope
IE001482 T139.4	93410	285178	93408	285194	Sand	Other	With shell	Scope
IE001482 T139.5	93408	285194	93391	285208	Sand	Other		Scope
IE001482 T139.6	93391	285208	93367	285218	Sand	Other		Scope
IE001482 T139.7	93367	285218	93369	285224	Sand	Other	With shell	Scope
IE001482 T139.8	93369	285224	93377	285237	Kelp	Other		Scope
IE001482 T139.9	93377	285237	93393	285250	Sand	Other		Scope
IE001482 T139.10	93393	285250	93428	285222	Sand	Other		Scope
IE001482 T139.11	93428	285222	93445	285205	Sand	Other		Scope
IE001482 T139.12	93445	285205	End Point	End Point	Sand	Other		Scope
IE001482 T140	90400	285400	End Point	End Point	Sand	Other	Spot dive	Dive
IE001482_T141	90525	285472	End Point	End Point	Sand	Other	With gravel, cobbles and dead Maërl . Stills photography recorded at this position	Dive
IE001482 T142	91694	286208	End Point	End Point	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	Video recording made at this position	Dive
IE001482_T143	91622	285529	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Stills photography and video recorded at this position	Dive
IE001482_T144	91314	286794	91697	286811	Maërl Living & Dead	Maërl Living & Dead	Banded Maërl. <i>Zostera marina</i> occurs 50 meters along this transect.	Dive
IE001482 T144.1	91697	286811	End Point	End Point	Mud	Other	With <i>Coralina officinalis</i>	Dive
IE001482 T145	91353	286937	91313	286871	Mud	Other	With shell and stones	Scope
IE001482 T145.1	91313	286871	91346	286807	Mud	Other	With Kelp	Scope
IE001482 T145.2	91346	286807	91362	286779	Mud	Other	With shell and stones	Scope
IE001482 T145.3	91362	286779	91373	286762	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope

IE001482 T145.4	91373	286762	91383	286749	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T145.5	91383	286749	91398	286734	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T145.6	91398	286734	91428	286725	Kelp	Other		Scope
IE001482 T145.7	91428	286725	91445	286759	Kelp	Other		Scope
IE001482 T145.8	91445	286759	91437	286781	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T145.9	91437	286781	91430	286806	Maërl Dead	Maërl Dead		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T145.10	91430	286806	91428	286866	Zostera marina Occasional Maërl Dead	Zostera marina Occasional Maërl Dead		Scope
IE001482 T145.11	91428	286866	91437	286887	Zostera marina Abundant Maërl Dead	Zostera marina Abundant Maërl Dead		Scope
IE001482 T145.12	91437	286887	91450	286904	Mud	Other		Scope
IE001482 T145.13	91450	286904	91467	286891	macroalgae	Other		Scope
IE001482 T145.14	91467	286891	91497	286866	Zostera marina Abundant Maërl Living & Dead	Zostera marina Abundant Maërl Living & Dead		Scope
IE001482 T145.15	91497	286866	91515	286824	Zostera marina Abundant Maërl Living & Dead	Zostera marina Abundant Maërl Living & Dead		Scope
IE001482 T145.16	91515	286824	91545	286767	Zostera marina Frequent Maërl Living & Dead	Zostera marina Frequent Maërl Living & Dead		Scope
IE001482 T145.17	91545	286767	91565	286751	Zostera marina Frequent Maërl Living & Dead	Zostera marina Frequent Maërl Living & Dead		Scope
IE001482 T145.18	91565	286751	91587	286757	Kelp	Other		Scope
IE001482 T145.19	91587	286757	91565	286808	Zostera marina Abundant Maërl Living & Dead	Zostera marina Abundant Maërl Living & Dead		Scope
IE001482 T145.20	91565	286808	91564	286870	Zostera marina Abundant Dead	Zostera marina Abundant Maërl Dead	On mud with a scattering of dead <i>Coralina officinalis</i>	Scope
IE001482 T145.21	91564	286870	91571	286880	Zostera marina Abundant	Zostera marina Abundant	On mud	Scope
IE001482 T145.22	91571	286880	91583	286892	Mud	Other		Scope
IE001482 T145.23	91583	286892	91612	286880	Mud	Other	With macroalgae	Scope
IE001482 T145.24	91612	286880	91625	286859	Mud	Other		Scope
IE001482 T145.25	91625	286859	91630	286847	Kelp	Other		Scope
IE001482 T145.26	91630	286847	91648	286794	Zostera marina Abundant	Zostera marina Abundant	On mud	Scope
IE001482 T145.27	91648	286794	91658	286763	Zostera marina Abundant Dead	Zostera marina Abundant Maërl Dead	On mud	Scope
IE001482 T145.28	91658	286763	91675	286749	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T145.29	91675	286749	91692	286755	Mud	Other	With Shell and stones on mud	Scope
IE001482 T145.30	91692	286755	91687	286873	Zostera marina Frequent	Zostera marina Frequent	With Shell and stones on mud	Scope
IE001482 T145.31	91687	286873	91688	286882	Mud	Other		Scope
IE001482 T145.32	91688	286882	91708	286900	Mud	Other		Scope
IE001482 T145.33	91708	286900	91754	286885	Mud	Other		Scope
IE001482 T145.34	91754	286885	91764	286864	Mud	Other		Scope
IE001482 T145.35	91764	286864	91765	286848	Sand	Other		Scope
IE001482 T145.36	91765	286848	91760	286805	Maërl Living	Maërl Living	Good live Maërl bed	Scope
IE001482 T145.37	91760	286805	91761	286760	Zostera marina Frequent Maërl Living	Zostera marina Frequent Maërl Living		Scope
IE001482 T145.38	91761	286760	91813	286742	Maërl Living	Maërl Living		Scope
IE001482 T145.39	91813	286742	91818	286746	Sand	Other		Scope
IE001482 T145.40	91818	286746	91827	286768	Maërl Living	Maërl Living		Scope
IE001482 T145.41	91827	286768	91832	286823	Maërl Living	Maërl Living		Scope
IE001482 T145.42	91832	286823	91835	286855	Maërl Living	Maërl Living	With shell	Scope
IE001482 T145.43	91835	286855	91842	286878	Sand	Other		Scope
IE001482 T145.44	91842	286878	91881	286878	Sand	Other		Scope



IE001482 T145.45	91881	286878	91879	286802	Sand	Other		Scope
IE001482 T145.46	91879	286802	91875	286718	Sand	Other		Scope
IE001482 T145.47	91875	286718	91916	286706	Sand	Other		Scope
IE001482 T145.48	91916	286706	91934	286733	Sand	Other		Scope
IE001482 T145.49	91934	286733	91937	286768	Mud	Other	With macroalgae	Scope
IE001482 T145.50	91937	286768	91937	286805	Mud	Other	With shell	Scope
IE001482 T145.51	91937	286805	91943	286848	Mud	Other	With macroalgae	Scope
IE001482 T145.52	91943	286848	91953	286896	Mud	Other	With macroalgae	Scope
IE001482 T145.53	91953	286896	91974	286966	Mud	Other		Scope
IE001482 T145.54	91974	286966	91984	286977	Mud	Other		Scope
IE001482 T145.55	91984	286977	92014	286964	<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
IE001482 T145.56	92014	286964	92010	286937	Mud	Other		Scope
IE001482 T145.57	92010	286937	91999	286896	Mud	Other		Scope
IE001482 T145.58	91999	286896	91997	286833	Mud	Other	With macroalgae	Scope
IE001482 T145.59	91997	286833	92006	286733	Mud	Other		Scope
IE001482 T145.60	92006	286733	92074	286760	Mud	Other	With macroalgae	Scope
IE001482 T145.61	92074	286760	92074	286774	Kelp	Other		Scope
IE001482 T145.62	92074	286774	92075	286801	Mud	Other		Scope
IE001482 T145.63	92075	286801	91221	286918	Mud	Other		Scope
IE001482 T145.64	91221	286918	91244	286896	Sand	Other	With macroalgae	Scope
IE001482 T145.65	91244	286896	End Point	End Point	Maërl Living	Maërl Living		Scope
IE001482 T146	91098	286906	91081	286869	<i>Zostera marina</i> Rare Patchy Maërl Living	<i>Zostera marina</i> Rare Patchy Maërl Living	With <i>Coralina officinalis</i>	Scope
IE001482 T146.1	91081	286869	91078	286854	Sand	Other		Scope
IE001482 T146.2	91078	286854	End Point	End Point	Maërl Living	Maërl Living	Maërl distribution is patchy on bottom sediments	Scope
IE001482 T147	90924	286912	90910	286916	Maërl Dead	Maërl Dead		Scope
IE001482 T147.1	90910	286916	90890	286877	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead	On mud	Scope
IE001482 T147.2	90890	286877	End Point	End Point	Maërl Living	Maërl Living		Scope
IE001482 T148	90726	286955	90776	286968	Maërl Living	Maërl Living	With shell	Scope
IE001482 T148.1	90776	286968	90788	286976	Maërl Living	Maërl Living		Scope
IE001482 T148.2	90788	286976	End Point	End Point	Kelp	Other	With stones	Scope
IE001482 T149	90793	287102	90789	287116	Kelp	Other		Scope
IE001482 T149.1	90789	287116	90766	287126	Kelp	Other		Scope
IE001482 T149.2	90766	287126	90721	287133	Kelp	Other		Scope
IE001482 T149.3	90721	287133	End Point	End Point	Maërl Dead	Maërl Dead	Scattering of dead Maërl on mud with macroalgae	Scope
IE001482 T150	90626	287136	90551	287124	Sand	Other		Dive
IE001482 T150.1	90551	287124	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE001482 T151	91637	287252	91760	287354	Mud	Other		Dive
IE001482 T151.1	91760	287354	End Point	End Point	Maërl Living	Maërl Living	With <i>Coralina officinalis</i>	Dive
IE001482 T152	91761	287122	91796	287256	Mud	Other		Dive
IE001482 T152.1	91796	287256	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	20 percent live 80 percent dead Maërl	Dive

							with <i>Coralina officinalis</i>	
IE001482 T153	91865	287171	91882	287211	Mud	Other		Dive
IE001482 T153.1	91882	287211	End Point	End Point	Maërl Living	Maërl Living	Maërl mixed with <i>Coralina officinalis</i>	Dive
IE001482 T154	92073	287116	92101	287077	Maërl Living	Maërl Living		Dive
IE001482 T154.1	92101	287077	End Point	End Point	Mud	Other	Mud mixed with sand	Dive
IE001482 T155	92294	287001	92338	287094	Mud	Other		Dive
IE001482 T155.1	92338	287094	End Point	End Point	Maërl Living	Maërl Living	With macroalgae	Dive
IE001482 T156	92760	287062	92614	287150	Mud	Other		Dive
IE001482 T156.1	92614	287150	End Point	End Point	Mud	Other	With macroalgae	Dive
IE001482 T157	92607	287141	92590	287186	Mud	Other		Dive
IE001482 T157.1	92590	287186	End Point	End Point	Maërl Living	Maërl Living	With <i>Coralina officinalis</i>	Dive
IE001482 T158	92824	287355	92503	287264	Mud	Other		Dive
IE001482 T158.1	92503	287264	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482 T159	92492	287515	92431	287429	Mud	Other		Dive
IE001482 T159.1	92431	287429	End Point	End Point	Maërl Living	Maërl Living	With macroalgae	Dive
IE001482 T160	90815	287520	End Point	End Point	Sand	Other	Spot dive	Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T161	90942	287440	End Point	End Point	Sand	Other	Spot dive	Dive
IE001482 T162	90696	287612	End Point	End Point	Sand	Other	Spot dive	Dive
IE001482 T163	90862	287611	90912	287636	Maërl Living	Maërl Living	This position marks the start of live Maërl	Dive
IE001482 T163.1	90912	287636	End Point	End Point	Maërl Living	Maërl Living	Bands of sand and live Maërl50 percent live Maërl50 percent sand	Dive
IE001482 T164	91119	287622	91089	287670	Sand	Other	With <i>Chorda filum</i>	Dive
IE001482 T164.1	91089	287670	End Point	End Point	Maërl Living	Maërl Living	Transects ends on a thin cover of live Maërl on sand	Dive
IE001482 T165	91193	287653	91165	287736	Sand	Other	With kelp	Dive
IE001482 T165.1	91165	287736	End Point	End Point	Maërl Living	Maërl Living	Transect ends on a thin cover of live Maërl on sand	Dive
IE001482 T166	91377	287593	91361	287668	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Dive
IE001482 T166.1	91361	287668	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482 T167	91636.64	287252.29	91759.82	287353.58	Mud	Other		Dive
IE001482 T167.1	91759.82	287353.58	End Point	End Point	Maërl Living	Maërl Living	With <i>Corralina officinalis</i>	Dive
IE001482 T168	91761.39	287121.81	91795.69	287255.86	Mud	Other		Dive
IE001482 T168.1	91795.69	287255.86	End Point	End Point	Maërl Living	Maërl Living	80 percent live 20 percent dead Maërl with <i>Corralina officinalis</i>	Dive
IE001482 T169	91864.67	287171.4	91881.7	287210.51	Mud	Other		Dive
IE001482 T169.1	91881.7	287210.51	End Point	End Point	Maërl Living	Maërl Living	With <i>Corralina officinalis</i>	Dive
IE001482 T170	92073.28	287115.75	92100.87	287077.04	Maërl Living	Maërl Living		Dive
IE001482 T170.1	92100.87	287077.04	End Point	End Point	Mud	Other		Dive
IE001482 T171	92293.81	287001.32	92338.41	287094.2	Mud	Other		Dive
IE001482 T171.1	92338.41	287094.2	End Point	End Point	Maërl Living	Maërl Living	With macroalgae	Dive
IE001482 T172	92759.91	287061.51	92614.18	287149.8	Mud	Other		Dive
IE001482 T172.1	92614.18	287149.8	End Point	End Point	Mud	Other		Dive

IE001482 T173	92606.81	287141.44	92590.15	287186.01	Mud	Other		Dive
IE001482 T173.1	92590.15	287186.01	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482 T174	92823.9	287355.27	92502.7	287264.13	Mud	Other		Dive
IE001482 T174.1	92502.7	287264.13	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482 T175	92492.11	287514.58	92431.11	287428.51	Mud	Other		Dive
IE001482 T175.1	92431.11	287428.51	End Point	End Point	Mud	Other		Dive
IE001482 T176	91636.64	287252.29	91759.82	287353.58	Mud	Other		Dive
IE001482 T176.1	91759.82	287353.58	End Point	End Point	Maërl Living	Maërl Living	With <i>Corralina officinalis</i>	Dive
IE001482 T177	91761.39	287121.81	91795.69	287255.86	Mud	Other		Dive
IE001482 T177.1	91795.69	287255.86	End Point	End Point	Maërl Living	Maërl Living	With <i>Corralina officinalis</i>	Dive
IE001482 T178	91864.67	287171.4	91881.7	287210.51	Mud	Other		Dive
IE001482 T178.1	91881.7	287210.51	End Point	End Point	Maërl Living	Maërl Living	With <i>Corralina officinalis</i>	Dive
IE001482 T179	92073.28	287115.75	92100.87	287077.04	Maërl Living	Maërl Living	With <i>Corralina officinalis</i>	Dive
IE001482 T179.1	92100.87	287077.04	End Point	End Point	Mud	Other		Dive
IE001482 T180	92293.81	287001.32	92338.41	287094.2	Mud	Other		Dive
IE001482 T180.1	92338.41	287094.2	End Point	End Point	Maërl Living	Maërl Living	With macroalgae	Dive
IE001482 T181	92759.91	287061.51	92614.18	287149.8	Mud	Other		Dive
IE001482 T181.1	92614.18	287149.8	End Point	End Point	Mud	Other		Dive
IE001482 T182	92606.81	287141.44	92590.15	287186.01	Mud	Other		Dive
IE001482 T182.1	92590.15	287186.01	End Point	End Point	Maërl Living	Maërl Living	With <i>Corralina officinalis</i>	Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T183	92823.9	287355.27	92502.7	287264.13	Mud	Other		Dive
IE001482 T183.1	92502.7	287264.13	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482 T184	92492.11	287514.58	92431.11	287428.51	Mud	Mud		Dive
IE001482 T184.1	92431.11	287428.51	End Point	End Point	Maërl Living	Maërl Living	With macroalgae	Dive
IE001482 T185	92199	287448	92253	287466	Mud	Other		Dive
IE001482 T185.1	92253	287466	End Point	End Point	Maërl Living	Maërl Living	With macroalgae	Dive
IE001482 T186	92060	287502	92074	287532	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl with macroalgae	Dive
IE001482 T186.1	92074	287532	End Point	End Point	Mud	Other	With macroalgae	Dive
IE001482 T187	91928	287548	91947	287575	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Dive
IE001482 T187.1	91947	287575	End Point	End Point	Mud	Other	With macroalgae	Dive
IE001482 T188	91829	287632	91847	287589	Kelp	Other		Dive
IE001482 T188.1	91847	287589	End Point	End Point	Maërl Living	Maërl Living	With macroalgae	Dive
IE001482 T189	91739	287687	91760	287670	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Dive
IE001482 T189.1	91760	287670	91816	287698	Kelp	Other		Dive
IE001482 T189.2	91816	287698	End Point	End Point	Kelp	Other		Dive
IE001482 T190	91664	287706	91727	287765	Maërl Living & Dead	Maërl Living & Dead	90 percent dead 10 percent live Maërl with macroalgae	Dive
IE001482 T190.1	91727	287765	End Point	End Point	Maërl Dead	Maërl Dead	With sand	Dive
IE001482 T191	92052	288117	92006	288252	Mud	Other	With stones	Scope
IE001482 T191.1	92006	288252	91908	288452	Mud	Other	With stones	Scope
IE001482 T191.2	91908	288452	91936	288333	Sand	Other	With stones	Scope

IE001482 T191.3	91936	288333	91970	288258	Maërl Living & Dead	Maërl Living & Dead	With gravel	Scope
IE001482 T191.4	91970	288258	91992	288221	Maërl Living & Dead	Maërl Living & Dead	With gravel	Scope
IE001482 T191.5	91992	288221	91984	288174	Maërl Living & Dead	Maërl Living & Dead	With gravel	Scope
IE001482 T191.6	91984	288174	91950	288134	Maërl Dead	Maërl Dead		Scope
IE001482 T191.7	91950	288134	91919	288100	Sand	Other		Scope
IE001482 T191.8	91919	288100	91883	288075	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T191.9	91883	288075	91868	288068	Sand	Other		Scope
IE001482 T191.10	91868	288068	91753	288020	Maërl Living	Maërl Living	With gravel	Scope
IE001482 T191.11	91753	288020	91694	287980	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead	<i>Zostera marina</i> Frequent Patchy Maërl Living & Dead		Scope
IE001482 T191.12	91694	287980	91666	287951	Mud	Other	With stones	Scope
IE001482 T191.13	91666	287951	91634	287900	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead	With macroalgae	Scope
IE001482 T191.14	91634	287900	91616	287867	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T191.15	91616	287867	End Point	End Point	Sand	Other		Scope
IE001482 T192	91610	287934	91579	287926	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead	With macroalgae	Scope
IE001482 T192.1	91579	287926	91566	287922	Maërl Living	Maërl Living		Scope
IE001482 T192.2	91566	287922	91565	287884	Sand	Other		Scope
IE001482 T192.3	91565	287884	91617	287896	Maërl Living	Maërl Living	With macroalgae	Scope
IE001482 T192.4	91617	287896	91651	287907	Maërl Living	Maërl Living	With sand	Scope
IE001482 T192.5	91651	287907	91680	287918	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T192.6	91680	287918	91704	287942	Kelp	Other		Scope
IE001482 T192.7	91704	287942	91741	287978	Kelp	Other		Scope
IE001482 T192.8	91741	287978	91771	287995	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T192.9	91771	287995	91843	288018	Stone	Other	and shell	Scope
IE001482 T192.10	91843	288018	End Point	End Point	Mud	Other	With sand and shell	Scope
IE001482 T193	91833	288095	91814	288109	Maërl Living & Dead	Maërl Living & Dead		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T193.1	91814	288109	91780	288094	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead		Scope
IE001482 T193.2	91780	288094	91734	288069	Maërl Living	Maërl Living	With gravel	Scope
IE001482 T193.3	91734	288069	91675	288026	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T193.4	91675	288026	91610	287963	Sand	Other		Scope
IE001482 T193.5	91610	287963	91577	287946	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead	With sand patches	Scope
IE001482 T193.6	91577	287946	91515	287970	Maërl Living	Maërl Living	With macroalgae	Scope
IE001482 T193.7	91515	287970	91481	287984	Maërl Living	Maërl Living		Scope
IE001482 T193.8	91481	287984	91466	287989	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T193.9	91466	287989	91448	288000	<i>Zostera marina</i> Rare Maërl Living	<i>Zostera marina</i> Rare Maërl Living	With <i>Corallina officinalis</i>	Scope
IE001482 T193.10	91448	288000	91344	288045	<i>Zostera marina</i> Occasional Living	<i>Zostera marina</i> Occasional Living	With <i>Corallina officinalis</i> and macroalgae and 20 percent live Maërl	Scope
IE001482 T193.11	91344	288045	91317	288068	<i>Zostera marina</i> Rare Patchy Maërl Living	<i>Zostera marina</i> Rare Patchy Maërl Living	With macroalgae	Scope
IE001482 T193.12	91317	288068	91294	288092	<i>Zostera marina</i> Occasional Maërl Living	<i>Zostera marina</i> Occasional Maërl Living	With <i>Corallina officinalis</i> and 40 percent live Maërl	Scope
IE001482 T193.13	91294	288092	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T194	91665	287983	91645	287989	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope

IE001482 T194.1	91645	287989	91582	288015	Sand	Other		Scope
IE001482 T194.2	91582	288015	91570	288023	Maërl Dead	Maërl Dead	On mud	Scope
IE001482 T194.3	91570	288023	91563	288029	Maërl Living & Dead	Maërl Living & Dead	With macroalgae	Scope
IE001482 T194.4	91563	288029	91530	288044	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead	With <i>Corallina officinalis</i>	Scope
IE001482 T194.5	91530	288044	91520	288049	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T194.6	91520	288049	91460	288091	<i>Zostera marina</i> Rare Patchy Maërl Living & Dead	<i>Zostera marina</i> Rare Patchy Maërl Living & Dead		Scope
IE001482 T194.7	91460	288091	91416	288119	Maërl Living	Maërl Living	With macroalgae and <i>Corallina officinalis</i>	Scope
IE001482 T194.8	91416	288119	91381	288140	Maërl Living	Maërl Living	With macroalgae and <i>Corallina officinalis</i>	Scope
IE001482 T194.9	91381	288140	91362	288157	<i>Zostera marina</i> Frequent Maërl Living	<i>Zostera marina</i> Frequent Maërl Living	With macroalgae	Scope
IE001482 T194.10	91362	288157	91352	288168	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	On sand	Scope
IE001482 T194.11	91352	288168	End Point	End Point	Sand	Other		Scope
IE001482 T195	91369	288195	91390	288197	Sand	Other	With macroalgae	Scope
IE001482 T195.1	91390	288197	91431	288183	Sand	Other		Scope
IE001482 T195.2	91431	288183	91481	288151	Maërl Living	Maërl Living	With macroalgae	Scope
IE001482 T195.3	91481	288151	91525	288121	<i>Zostera marina</i> Rare Maërl Living	<i>Zostera marina</i> Rare Maërl Living	With macroalgae	Scope
IE001482 T195.4	91525	288121	91597	288069	Maërl Living	Maërl Living	With macroalgae	Scope
IE001482 T195.5	91597	288069	91692	288006	<i>Zostera marina</i> Occasional Patchy Maërl Living	<i>Zostera marina</i> Occasional Patchy Maërl Living		Scope
IE001482 T195.6	91692	288006	91752	288048	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T195.7	91752	288048	91719	288075	Maërl Living	Maërl Living	With macroalgae	Scope
IE001482 T195.8	91719	288075	91690	288100	<i>Zostera marina</i> Frequent Maërl Living	<i>Zostera marina</i> Frequent Maërl Living		Scope
IE001482 T195.9	91690	288100	91682	288108	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T195.10	91682	288108	91673	288125	Sand	Other	With a sprinkling of dead Maërl	Scope
IE001482 T195.11	91673	288125	91556	288171	<i>Zostera marina</i> Occasional Maërl Living	<i>Zostera marina</i> Occasional Maërl Living		Scope
IE001482 T195.12	91556	288171	91462	288222	Maërl Living & Dead	Maërl Living & Dead	With macroalgae and <i>Corallina officinalis</i>	Scope
IE001482 T195.13	91462	288222	91406	288257	macroalgae	Other		Scope
IE001482 T195.14	91406	288257	End Point	End Point	Sand	Other		Scope
IE001482 T196	91393	288287	91442	288270	Sand	Other		Scope
IE001482 T196.1	91442	288270	91470	288259	macroalgae	Other	With macroalgae	Scope
IE001482 T196.2	91470	288259	91519	288233	Sand	Other	With macroalgae	Scope
IE001482 T196.3	91519	288233	91581	288198	Maërl Living & Dead	Maërl Living & Dead	With macroalgae and <i>Corallina officinalis</i>	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T196.4	91581	288198	91629	288177	Maërl Living & Dead	Maërl Living & Dead	With a lot of macroalgae 20 percent cover of 50 percent live and 50 percent dead Maërl	Scope
IE001482 T196.5	91629	288177	End Point	End Point	<i>Zostera marina</i> Frequent Maërl Living	<i>Zostera marina</i> Frequent Maërl Living		Scope
IE001482 T197	91774	288125	91738	288156	Maërl Living & Dead	Maërl Living & Dead	With macroalgae	Scope
IE001482 T197.1	91738	288156	91675	288188	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead		Scope
IE001482 T197.2	91675	288188	91660	288197	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead		Scope
IE001482 T197.3	91660	288197	91607	288226	Maërl Living	Maërl Living	With macroalgae	Scope
IE001482 T197.4	91607	288226	91562	288252	Maërl Living & Dead	Maërl Living & Dead	With macroalgae	Scope

IE001482 T197.5	91562	288252	91473	288294	Maërl Living	Maërl Living	With a lot of macroalgae	Scope
IE001482 T197.6	91473	288294	91465	288333	Mud	Other		Scope
IE001482 T197.7	91465	288333	91444	288357	Mud	Other	With macroalgae	Scope
IE001482 T197.8	91444	288357	91444	288398	Mud	Other	With macroalgae	Scope
IE001482 T197.9	91444	288398	91508	288383	Mud	Other	With macroalgae	Scope
IE001482 T197.10	91508	288383	91586	288297	Mud	Other	With macroalgae	Scope
IE001482 T197.11	91586	288297	91663	288232	Maërl Living	Maërl Living	With macroalgae	Scope
IE001482 T197.12	91663	288232	91683	288215	Maërl Living	Maërl Living	With macroalgae	Scope
IE001482 T197.13	91683	288215	91715	288197	Maërl Living	Maërl Living		Scope
IE001482 T197.14	91715	288197	91775	288163	<i>Zostera marina</i> Frequent Maërl Dead	<i>Zostera marina</i> Frequent Maërl Dead		Scope
IE001482 T197.15	91775	288163	91820	288131	Maërl Living & Dead	Maërl Living & Dead	With macroalgae	Scope
IE001482 T197.16	91820	288131	91881	288067	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE001482 T197.17	91881	288067	91915	288076	Sand	Other	With shelly patches and live and dead Maërl	Scope
IE001482 T197.18	91915	288076	91889	288106	Mud	Other	With macroalgae	Scope
IE001482 T197.19	91889	288106	91857	288150	Sand	Other	Shelly sand With macroalgae	Scope
IE001482 T197.20	91857	288150	91731	288234	Maërl Living & Dead	Maërl Living & Dead	On mud	Scope
IE001482 T197.21	91731	288234	91616	288331	Maërl Living & Dead	Maërl Living & Dead	With macroalgae and <i>Corallina officinalis</i>	Scope
IE001482 T197.22	91616	288331	91586	288373	Maërl Living & Dead	Maërl Living & Dead	With macroalgae	Scope
IE001482 T197.23	91586	288373	91570	288399	Mud	Other		Scope
IE001482 T197.24	91570	288399	91565	288405	Mud	Other	With macroalgae	Scope
IE001482 T197.25	91565	288405	End Point	End Point	Mud	Other	With macroalgae	Scope
IE001482 T198	91246	288118	91301	287909	Sand	Other		Dive
IE001482 T198.1	91301	287909	91263	287982	Maërl Living	Maërl Living	20 percent live Maërl	Dive
IE001482 T198.2	91263	287982	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE001482 T199	91112	288125	91159	288009	Sand	Other		Dive
IE001482 T199.1	91159	288009	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482 T199.2	90944	288124	90904	287905	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Dive
IE001482 T200	90904	287905	End Point	End Point	Maërl Living	Maërl Living	This transect ended on mud	Dive
IE001482 T201	90802	287796	End Point	End Point	Maërl Living	Maërl Living	Spot dive live Maërl ends at this point, seabed becomes mud	Dive
IE001482 T202	90689	288160	End Point	End Point	Gravel	Other	Spot dive	Dive
IE001482 T203	90626	288166	90713	288067	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Dive
IE001482 T203.1	90713	288067	End Point	End Point	Gravel	Other	With kelp	Dive
IE001482 T204	90561	287603	End Point	End Point	Sand	Other	Spot dive shell/sand With 10 percent live Maërl	Dive
IE001482 T205	90056	287501	End Point	End Point	Sand	Other	Spot dive stones, sand, shell and encrusting Maërl	Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T206	90660	288691	End Point	End Point	Mud	Other	Spot dive macroalgae, <i>Corallina officinalis</i> and 10 Percent live Maërl	Dive
IE001482 T207	90459	288604	90392	288631	Maërl Living	Maërl Living		Dive
IE001482 T207.1	90392	288631	90496	288702	Maërl Living	Maërl Living	Video imagery recorded at this	Dive

IE001482_T207.2	90496	288702	End Point	End Point	Maërl Living	Maërl Living	position 50 percent live Maërl on mud With <i>Corralina officinalis</i> and shell	Dive
IE001482_T208	90941	288686	91043	288685	Maërl Living	Maërl Living	Video imagery recorded at this position	Dive
IE001482_T208.1	91043	288685	End Point	End Point	Maërl Living	Maërl Living	Good Maërl bed	Dive
IE001482_T209	90921	288708	End Point	End Point	Maërl Living	Maërl Living	Spot dive, wide angle stills imagery taken at this position dive	Dive
IE001482_T210	90780	288845	90884	288814	Sand	Other		Dive
IE001482_T210.1	90884	288814	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent live 40 percent dead Maërl good bed of Maërl with <i>Corralina officinalis</i>	Dive
IE001482_T211	90943	288970	90980	288954	Maërl Living	Maërl Living		Dive
IE001482_T211.1	90980	288954	End Point	End Point	Maërl Living	Maërl Living	Very good live Maërl 8in deep, macroalgae cover over Maërl 1ft high	Dive
IE001482_T212	91150	289046	91374	289058	Mud	Other		Dive
IE001482_T212.1	91374	289058	End Point	End Point	Mud	Other		Dive
IE001482_T213	91582	289071	91584	289175	Maërl Living	Maërl Living		Dive
IE001482_T213.1	91584	289175	91583	289290	Maërl Living	Maërl Living	Maërl 4in deep	Dive
IE001482_T213.2	91583	289290	End Point	End Point	Maërl Living	Maërl Living		Dive
IE001482_T214	91714	289106	91743	289171	Maërl Living	Maërl Living	Live Maërl 4 inches deep	Dive
IE001482_T214.1	91743	289171	End Point	End Point	Mud	Other	With stone and shell	Dive
IE001482_T215	91828	289115	91837	289088	Gravel	Other		Dive
IE001482_T215.1	91837	289088	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent live 40 percent dead Maërl	Dive
IE001482_T216	92043	288960	92170	289033	Maërl Living	Maërl Living		Dive
IE001482_T216.1	92170	289033	End Point	End Point	Mud	Other	With <i>Amphilectus fucorum</i> and <i>Eupolytmia nebulosa</i> both Abundant	Dive
IE001482_T217	90934	288497	91004	288450	Maërl Living	Maërl Living	Maërl 6inch deep under macroalgae	Dive
IE001482_T217.1	91004	288450	End Point	End Point	Mud	Other	With stones and macroalgae	Dive
IE001482_T218	91090	288561	91137	288532	Maërl Living	Maërl Living	60 percent thin cover of Maërl with macroalgae	Dive
IE001482_T218.1	91137	288532	End Point	End Point	Sand	Other		Dive
IE001482_T219	91210	288713	91349	288621	Maërl Living	Maërl Living	Maërl 6 inches deep under 2 inches of <i>Corralina officinalis</i>	Dive
IE001482_T219.1	91349	288621	End Point	End Point	Mud	Other	With stones	Dive
IE001482_T220	91474	288768	91512	288723	Maërl Living	Maërl Living	Maërl 3 inch deep covered by mat of <i>Corralina officinalis</i>	Dive
IE001482_T220.1	91512	288723	End Point	End Point	Mud	Other	With mud/stones	Dive
IE001482_T221	91645	288837	91652	288872	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl on mud	Dive
IE001482_T221.1	91652	288872	End Point	End Point	Mud	Other	With stones	Dive
IE001482_T222	91879	288863	91888	288848	Maërl Living	Maërl Living	With shell	Dive
IE001482_T222.1	91888	288848	End Point	End Point	Mud	Other		Dive
IE001482_T223	91459	289291	91418	289049	Mud	Other		Dive
IE001482_T223.1	91418	289049	End Point	End Point	Maërl Living	Maërl Living	With stones, thin Maërl cover, 50	Dive



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IE001482_T224	91769	289073	End Point	End Point	Maërl Living	Maërl Living		Video, macro and wide angle imagery recorded at this position	Dive
IE001482_T224.1	89586	288485	89651	288531	Mud	Other			Scope
IE001482_T224.2	89651	288531	89729	288535	Mud	Other		With macroalgae	Scope
IE001482_T224.3	89729	288535	89842	288537	Mud	Other		With macroalgae	Scope
IE001482_T224.4	89842	288537	89957	288598	Mud	Other		With live Maërl5 percent cover	Scope
IE001482_T224.5	89957	288598	90070	288608	Mud	Other		With live Maërl10 percent cover	Scope
IE001482_T224.6	90070	288608	90125	288648	Maërl Living	Maërl Living		With macroalgae on top	Scope
IE001482_T224.7	90125	288648	90199	288659	Maërl Living	Maërl Living		With Shell and macroalgae	Scope
IE001482_T224.8	90199	288659	90293	288671	Maërl Living	Maërl Living			Scope
IE001482_T224.9	90293	288671	90356	288674	Maërl Living	Maërl Living		<i>Corralina officinalis</i>	Scope
IE001482_T224.10	90356	288674	90406	288683	Mud	Other			Scope
IE001482_T224.11	90406	288683	End Point	End Point	Mud	Other			Scope
IE001482_T225	90383	288684	90346	288701	Mud	Other			Scope
IE001482_T225.1	90346	288701	90316	288638	Maërl Living	Maërl Living		With macroalgae	Scope
IE001482_T225.2	90316	288638	90314	288631	Maërl Living	Maërl Living			Scope
IE001482_T225.3	90314	288631	90252	288675	Maërl Living	Maërl Living			Scope
IE001482_T225.4	90252	288675	90233	288693	Maërl Living	Maërl Living		With macroalgae	Scope
IE001482_T225.5	90233	288693	90200	288712	Maërl Living	Maërl Living			Scope
IE001482_T225.6	90200	288712	90172	288592	Maërl Living	Maërl Living			Scope
IE001482_T225.7	90172	288592	90159	288544	Maërl Living	Maërl Living		With macroalgae	Scope
IE001482_T225.8	90159	288544	90127	288556	Maërl Living	Maërl Living		With macroalgae	Scope
IE001482_T225.9	90127	288556	90082	288594	Maërl Living	Maërl Living			Scope
IE001482_T225.10	90082	288594	90036	288618	Maërl Living	Maërl Living			Scope
IE001482_T225.11	90036	288618	89991	288641	Mud	Other			Scope
IE001482_T225.12	89991	288641	89973	288596	Mud	Other			Scope
IE001482_T225.13	89973	288596	89964	288513	Mud	Other			Scope
IE001482_T225.14	89964	288513	89867	288548	Mud	Other			Scope
IE001482_T225.15	89867	288548	89804	288561	Mud	Other		With Pieces of live Maërl	Scope
IE001482_T225.16	89804	288561	89710	288566	Mud	Other		With Pieces of live Maërl	Scope
IE001482_T225.17	89710	288566	89687	288554	Mud	Other		With Nodules of live Maërl	Scope
IE001482_T225.18	89687	288554	End Point	End Point	Mud	Other			Scope
IE001482_T226	89944	288537	End Point	End Point	Mud	Other		Spot dive	Dive
IE001482_T227	90532	288721	90740	288644	Maërl Living	Maërl Living		Maërl 3-4inch deep, 95 percent cover on sand	Dive
IE001482_T227.1	90740	288644	End Point	End Point	Sand	Other		With macroalgae	Dive
IE001482_T228	90908	288683	90863	288605	Maërl Living	Maërl Living		Maërl2 inch deep With macroalgae cover	Dive
IE001482_T228.1	90863	288605	End Point	End Point	Mud	Other			Dive
IE001482_T229	91015	288706	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Spot dive, patches of Maërl 50 percent live 50 percent dead	Dive
IE001482_T229.1	91110	288952	91155	288863	Maërl Living	Maërl Living			Scope

IE001482 T229.2	91155	288863	91160	288773	Maërl Living	Maërl Living		Scope
IE001482 T229.3	91160	288773	91245	288712	Maërl Living	Maërl Living		Scope
IE001482 T229.4	91245	288712	91302	288774	Maërl Living	Maërl Living		Scope
IE001482 T229.5	91302	288774	91402	288850	Maërl Living	Maërl Living		Scope
IE001482 T229.6	91402	288850	91414	288881	Maërl Living	Maërl Living	With macroalgae	Scope
IE001482 T229.7	91414	288881	91483	288912	Maërl Living	Maërl Living		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T229.8	91483	288912	91534	288937	Maërl Living	Maërl Living		Scope
IE001482 T229.9	91534	288937	91596	288944	Maërl Living	Maërl Living		Scope
IE001482 T229.10	91596	288944	End Point	End Point	Maërl Living	Maërl Living	Good Maërl bed with very large live Maërl nodunes	Scope
IE001482 T230	91308	288912	End Point	End Point	Maërl Living	Maërl Living	Spot dive	Dive
IE001482 T231	91555	284634	End Point	End Point	Sand	Other	Spot dive	Dive
IE001482 T232	93940	290375	93909	290389	Mud	Other		Scope
IE001482 T232.1	93909	290389	93883	290406	Mud	Other		Scope
IE001482 T232.2	93883	290406	93860	290419	Mud	Other		Scope
IE001482 T232.3	93860	290419	93837	290422	Mud	Other		Scope
IE001482 T232.4	93837	290422	93820	290424	Mud	Other		Scope
IE001482 T232.5	93820	290424	93795	290434	Mud	Other		Scope
IE001482 T232.6	93795	290434	93812	290458	Mud	Other		Scope
IE001482 T232.7	93812	290458	93841	290459	Mud	Other		Scope
IE001482 T232.8	93841	290459	93871	290457	Mud	Other		Scope
IE001482 T232.9	93871	290457	93898	290461	Mud	Other		Scope
IE001482 T232.10	93898	290461	93941	290461	Mud	Other		Scope
IE001482 T232.11	93941	290461	93968	290458	Mud	Other	With Oyster shell	Scope
IE001482 T232.12	93968	290458	End Point	End Point	Mud	Other	With Oyster shell	Scope
IE001482 T233	93843	290469	End Point	End Point	Mud	Other	Spot dive	Dive
IE001482 T233.1	91325	290738	91305	290741	Mud	Other	With shell	Scope
IE001482 T233.2	91305	290741	91280	290764	Mud	Other	With <i>Anemona viridis</i> (Abundant)	Scope
IE001482 T233.3	91280	290764	91273	290796	Mud	Other	With <i>Anemona viridis</i>	Scope
IE001482 T233.4	91273	290796	91253	290821	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	On sand	Scope
IE001482 T233.5	91253	290821	91235	290833	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T233.6	91235	290833	91225	290850	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T233.7	91225	290850	91188	290855	Sand	Other		Scope
IE001482 T233.8	91188	290855	91165	290845	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T233.9	91165	290845	91131	290825	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T233.10	91131	290825	91092	290806	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T233.11	91092	290806	91062	290790	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T233.12	91062	290790	91039	290779	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T233.13	91039	290779	91013	290762	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T233.14	91013	290762	90977	290740	Sand	Other		Scope
IE001482 T233.15	90977	290740	End Point	End Point	Sand	Other		Scope
IE001482 T234	90911	290915	90942	290892	Sand	Other		Scope

IE001482 T234.1	90942	290892	90971	290872	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T234.2	90971	290872	91004	290839	Mud	Other	With Chorda filum	Scope
IE001482 T234.3	91004	290839	91022	290816	Mud	Other		Scope
IE001482 T234.4	91022	290816	91039	290805	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T234.5	91039	290805	91083	290776	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T234.6	91083	290776	91106	290759	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T234.7	91106	290759	91117	290753	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T234.8	91117	290753	91155	290739	Sand	Other		Scope
IE001482 T234.9	91155	290739	91169	290724	Mud	Other		Scope
IE001482 T234.10	91169	290724	91215	290750	Sand	Other		Scope
IE001482 T234.11	91215	290750	91224	290747	Mud	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T234.12	91224	290747	91255	290782	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T234.13	91255	290782	91264	290788	Mud	Other		Scope
IE001482 T234.14	91264	290788	91304	290831	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T234.15	91304	290831	91313	290857	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T234.16	91313	290857	91330	290874	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T234.17	91330	290874	End Point	End Point	Mud	Other		Scope
IE001482 T235	91376	290866	91387	290834	Mud	Other	With macroalgae	Scope
IE001482 T235.1	91387	290834	91407	290794	Sand	Other		Scope
IE001482 T235.2	91407	290794	91410	290788	Mud	Other		Scope
IE001482 T235.3	91410	290788	End Point	End Point	Mud	Other		Scope
IE001482 T236	91352	291917	91382	291908	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T236.1	91382	291908	91433	291876	Zostera marina Abundant	Zostera marina Abundant	With some kelp	Scope
IE001482 T236.2	91433	291876	91488	291863	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T236.3	91488	291863	91534	291861	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T236.4	91534	291861	91542	291858	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T236.5	91542	291858	91570	291863	Sand	Other		Scope
IE001482 T236.6	91570	291863	91528	291941	Sand	Other		Scope
IE001482 T236.7	91528	291941	91462	291976	Sand	Other		Scope
IE001482 T236.8	91462	291976	91441	291937	Sand	Other		Scope
IE001482 T236.9	91441	291937	End Point	End Point	Kelp	Other		Scope
IE001482 T237	91481	291882	91432	291843	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T237.1	91432	291843	91369	291817	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T237.2	91369	291817	91351	291818	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T237.3	91351	291818	91301	291831	Mud	Other		Scope
IE001482 T237.4	91301	291831	91208	291849	Mud	Other		Scope
IE001482 T237.5	91208	291849	91183	291849	Mud	Other		Scope
IE001482 T237.6	91183	291849	91121	291848	Mud	Other	With macroalgae	Scope
IE001482 T237.7	91121	291848	End Point	End Point	Mud	Other		Scope
IE001482 T238	91374	291875	91457	291834	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T238.1	91457	291834	End Point	End Point	Mud	Other		Scope
IE001482 T239	91348	291873	91339	291878	Mud	Other	With patches of macroalgae	Scope

IE001482 T239.1	91339	291878	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	On mud	Scope
IE001482 T240	91261	291783	End Point	End Point	Sand	Other	Spot dive. Sand and kelp. <i>Sargassum muticum</i> found at this position.	Dive
IE001482 T241	90973	291574	End Point	End Point	Mud	Other	Spot dive. Sand with <i>Ensis</i> sp and <i>Lanice conchilega</i>	Dive
IE001482 T242	90835	291351	End Point	End Point	Mud	Other	Spot dive	Dive
IE001482 T243	91439	291451	End Point	End Point	Mud	Other	Spot dive. With <i>Metridium senile</i>	Dive
IE001482 T244	90310	292080	90322	292107	Kelp	Other	On sandy mud	Dive
IE001482 T244.1	90322	292107	End Point	End Point	Kelp	Other		Dive
IE001482 T245	90537	292183	90535	292249	Sand	Other		Dive
IE001482 T245.1	90535	292249	End Point	End Point	Kelp	Other		Dive
IE001482 T246	85870	294808	85742	294920	Sand	Other		Scope
IE001482 T246.1	85742	294920	85645	294937	Sand	Other		Scope
IE001482 T246.2	85645	294937	85522	294884	Sand	Other		Scope
IE001482 T246.3	85522	294884	85452	294857	Sand	Other		Scope
IE001482 T246.4	85452	294857	85378	294820	Sand	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T246.5	85378	294820	85358	294828	Sand	Other		Scope
IE001482 T246.6	85358	294828	85346	294802	Kelp	Other		Scope
IE001482 T246.7	85346	294802	85356	294782	Kelp	Other		Scope
IE001482 T246.8	85356	294782	85371	294747	Kelp	Other		Scope
IE001482 T246.9	85371	294747	85385	294735	Sand	Other		Scope
IE001482 T246.10	85385	294735	85440	294738	Sand	Other		Scope
IE001482 T246.11	85440	294738	85500	294731	Sand	Other		Scope
IE001482 T246.12	85500	294731	85556	294758	Sand	Other		Scope
IE001482 T246.13	85556	294758	85623	294777	Sand	Other		Scope
IE001482 T246.14	85623	294777	85699	294777	Sand	Other		Scope
IE001482 T246.15	85699	294777	85793	294798	Sand	Other		Scope
IE001482 T246.16	85793	294798	85927	294830	Sand	Other		Scope
IE001482 T246.17	85927	294830	86002	294852	Sand	Other		Scope
IE001482 T246.18	86002	294852	86035	294866	Sand	Other		Scope
IE001482 T246.19	86035	294866	End Point	End Point	Sand	Other		Scope
IE001482 T247	86051	294853	86029	294796	Sand	Other		Scope
IE001482 T247.1	86029	294796	86038	294586	Sand	Other		Scope
IE001482 T247.2	86038	294586	85979	294392	Sand	Other		Scope
IE001482 T247.3	85979	294392	85907	294401	Kelp	Other	With shell	Scope
IE001482 T247.4	85907	294401	85856	294428	Sand	Other		Scope
IE001482 T247.5	85856	294428	85814	294467	Sand	Other	With patches of macroalgae	Scope
IE001482 T247.6	85814	294467	85742	294509	Sand	Other		Scope
IE001482 T247.7	85742	294509	85664	294539	Sand	Other	With macroalgae and <i>Chorda filum</i>	Scope
IE001482 T247.8	85664	294539	85585	294562	Sand	Other		Scope
IE001482 T247.9	85585	294562	85561	294568	Sand	Other		Scope
IE001482 T247.10	85561	294568	85513	294586	Sand	Other	With <i>Chorda filum</i> . Broadscale maps	Scope

							report <i>Z. marina</i> at this position.	
IE001482 T247.11	85513	294586	End Point	End Point	Sand	Other		Scope
IE001482 T248	85591	294616	85702	294664	Sand	Other		Scope
IE001482 T248.1	85702	294664	85852	294712	Sand	Other		Scope
IE001482 T248.2	85852	294712	85903	294682	Sand	Other		Scope
IE001482 T248.3	85903	294682	85972	294658	Sand	Other		Scope
IE001482 T248.4	85972	294658	85960	294592	Sand	Other		Scope
IE001482 T248.5	85960	294592	85882	294538	Sand	Other		Scope
IE001482 T248.6	85882	294538	85768	294430	Sand	Other		Scope
IE001482 T248.7	85768	294430	End Point	End Point	Sand	Other		Scope
IE001482 T249	91384	293054	91309	293024	Sand	Other	Shelly sand	Dive
IE001482 T249.1	91309	293024	End Point	End Point	Sand	Other	Shelly sand	Dive
IE001482 T250	89883	292829	89873	292782	Kelp	Other		Dive
IE001482 T250.1	89873	292782	End Point	End Point	Mud	Other	Shelly sand	Dive
IE001482 T251	89882	293335	89843	293273	Mud	Other		Dive
IE001482 T251.1	89843	293273	End Point	End Point	Mud	Other	With broken shell	Dive
IE001482 T252	89737	291664	89579	291355	Sand	Other	With shell	Dive
IE001482 T252.1	89579	291355	End Point	End Point	Sand	Other		Dive
IE001482 T253	92838	293954	End Point	End Point	Mud	Other	Spot dive	Dive
IE001482 T254	92788	294013	92854	294048	Mud	Other		Scope
IE001482 T254.1	92854	294048	92962	294059	Mud	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T254.2	92962	294059	End Point	End Point	Mud	Other		Scope
IE001482 T255	94104	294131	94129	294178	Mud	Other		Scope
IE001482 T255.1	94129	294178	94115	294197	Mud	Other		Scope
IE001482 T255.2	94115	294197	94098	294204	Mud	Other		Scope
IE001482 T255.3	94098	294204	94077	294203	Mud	Other		Scope
IE001482 T255.4	94077	294203	94077	294179	Mud	Other		Scope
IE001482 T255.5	94077	294179	94087	294165	Mud	Other		Scope
IE001482 T255.6	94087	294165	End Point	End Point	Mud	Other		Scope
IE001482 T256	95657	294276	95658	294300	Sand	Other		Scope
IE001482 T256.1	95658	294300	95661	294313	Mud	Other		Scope
IE001482 T256.2	95661	294313	95693	294303	Mud	Other	With macroalgae	Scope
IE001482 T256.3	95693	294303	95701	294273	Mud	Other		Scope
IE001482 T256.4	95701	294273	95654	294298	Mud	Other		Scope
IE001482 T256.5	95654	294298	End Point	End Point	Mud	Other		Scope
IE001482 T257	93540	293997	93580	294032	Mud	Other		Scope
IE001482 T257.1	93580	294032	93562	294012	Mud	Other		Scope
IE001482 T257.2	93562	294012	93528	293973	Mud	Other		Scope
IE001482 T257.3	93528	293973	93548	293940	Mud	Other		Scope
IE001482 T257.4	93548	293940	93572	293941	Mud	Other		Scope
IE001482 T257.5	93572	293941	93592	293971	Mud	Other		Scope
IE001482 T257.6	93592	293971	93598	294007	Mud	Other		Scope

IE001482 T257.7	93598	294007	93577	294012	Mud	Other		Scope
IE001482 T257.8	93577	294012	End Point	End Point	Mud	Other		Scope
IE001482 T258	91861	294317	91922	294341	Mud	Other	With macroalgae	Scope
IE001482 T258.1	91922	294341	91913	294379	Sand	Other	With macroalgae	Scope
IE001482 T258.2	91913	294379	91893	294375	Sand	Other	With macroalgae	Scope
IE001482 T258.3	91893	294375	91857	294380	Sand	Other	With macroalgae	Scope
IE001482 T258.4	91857	294380	91816	294387	Sand	Other	With macroalgae	Scope
IE001482 T258.5	91816	294387	91800	294370	Mud	Other	With macroalgae	Scope
IE001482 T258.6	91800	294370	91783	294306	Mud	Other	With <i>Chorda filum</i>	Scope
IE001482 T258.7	91783	294306	End Point	End Point	Sand	Other		Scope
IE001482 T259	91693	294074	91654	294079	Mud	Other		Scope
IE001482 T259.1	91654	294079	91646	294086	Mud	Other		Scope
IE001482 T259.2	91646	294086	End Point	End Point	Mud	Other	With <i>Chorda filum</i> Abundant at this position. Broudscale maps record <i>Zostera marina</i> at this position. No <i>Z. Marina</i> found	Scope
IE001482 T260	93204	292988	93236	292976	Mud	Other	With <i>Chorda filum</i>	Scope
IE001482 T260.1	93236	292976	93215	292967	Mud	Other		Scope
IE001482 T260.2	93215	292967	93180	292983	Mud	Other		Scope
IE001482 T260.3	93180	292983	93165	292992	Mud	Other	With <i>Chorda filum</i>	Scope
IE001482 T260.4	93165	292992	93192	292981	Mud	Other		Scope
IE001482 T260.5	93192	292981	End Point	End Point	Mud	Other	With <i>Chorda filum</i>	Scope
IE001482 T261	92288	292549	End Point	End Point	Mud	Other	Spot dive	Dive
IE001482 T262	90803	287885	90863	287958	Sand	Other	Searched for <i>Serpula vermicularis</i> at this position, none found	Dive
IE001482 T262.1	90863	287958	End Point	End Point	Sand	Other		Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T263	90553	287455	90655	287464	Maërl Living & Dead	Maërl Living & Dead	Banded Maërl. Searched for <i>Serpula vermicularis</i> at this position, none found.	Dive
IE001482 T263.1	90655	287464	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE001482 T264	90289	290726	90284	290791	Sand	Other		Dive
IE001482 T264.1	90284	290791	End Point	End Point	Sand	Other	With <i>Metridium senile</i> (Occasional) and <i>Lanice conchilega</i> (Rare)	Dive
IE001482 T265	89978	288184	89876	288127	Mud	Other	Searched for <i>Serpula vermicularis</i> at this position, none found	Dive
IE001482 T265.1	89876	288127	End Point	End Point	Sand	Other	Dive ended in a steep slope of boulders and stone	Dive
IE001482 T266	89775	285461	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	Video imagery recorded at this position.	Dive
IE001482 T267	90784	284296	End Point	End Point	<i>Lanice conchilega</i>	<i>Lanice conchilega</i>	Dive spot. <i>Lanice conchilega</i> (Rare )	Dive
IE001482 T268	89201	293726	89140	293718	Sand	Other		Scope
IE001482 T268.1	89140	293718	89088	293729	Sand	Other		Scope
IE001482 T268.2	89088	293729	89055	293734	Sand	Other		Scope

IE001482 T268.3	89055	293734	88999	293736	Sand	Other		Scope
IE001482 T268.4	88999	293736	88908	293759	Sand	Other		Scope
IE001482 T268.5	88908	293759	88857	293775	Sand	Other		Scope
IE001482 T268.6	88857	293775	88780	293786	Sand	Other		Scope
IE001482 T268.7	88780	293786	88764	293807	Sand	Other		Scope
IE001482 T268.8	88764	293807	88803	293842	Sand	Other		Scope
IE001482 T268.9	88803	293842	88818	293864	Sand	Other		Scope
IE001482 T268.10	88818	293864	88894	293857	Sand	Other		Scope
IE001482 T268.11	88894	293857	89009	293841	Sand	Other		Scope
IE001482 T268.12	89009	293841	89057	293835	Sand	Other		Scope
IE001482 T268.13	89057	293835	89141	293821	Sand	Other		Scope
IE001482 T268.14	89141	293821	89179	293799	Sand	Other		Scope
IE001482 T268.15	89179	293799	89208	293767	Sand	Other		Scope
IE001482 T268.16	89208	293767	89274	293708	Sand	Other		Scope
IE001482 T268.17	89274	293708	89308	293688	Sand	Other		Scope
IE001482 T268.18	89308	293688	89331	293697	Sand	Other		Scope
IE001482 T268.19	89331	293697	End Point	End Point	Sand	Other		Scope
IE001482 T269	94116	284358	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	Macrophotography and video recorded at this position	Dive
IE001482 T270	94132	284390	94157	284444	Sand	Other		Scope
IE001482 T270.1	94157	284444	94181	284481	Sand	Other		Scope
IE001482 T270.2	94181	284481	94213	284513	Sand	Other	With macroalgae	Scope
IE001482 T270.3	94213	284513	94223	284522	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE001482 T270.4	94223	284522	94253	284552	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T270.5	94253	284552	94292	284586	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T270.6	94292	284586	94317	284573	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> continues to shore	Scope
IE001482 T270.7	94317	284573	94336	284553	Sand	Other	With shell	Scope
IE001482 T270.8	94336	284553	94326	284522	Sand	Other	With shell	Scope
IE001482 T270.9	94326	284522	94270	284535	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T270.10	94270	284535	94231	284554	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T270.11	94231	284554	94202	284579	Sand	Other		Scope
IE001482 T270.12	94202	284579	94189	284589	<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
IE001482 T270.13	94189	284589	94146	284617	Sand	Other		Scope
IE001482 T270.14	94146	284617	94213	284716	Sand	Other		Scope
IE001482 T270.15	94213	284716	94222	284725	Sand	Other		Scope
IE001482 T270.16	94222	284725	94234	284740	Sand	Other	With macroalgae	Scope
IE001482 T270.17	94234	284740	94240	284762	Sand	Other	With macroalgae	Scope
IE001482 T270.18	94240	284762	End Point	End Point	Sand	Other		Scope
IE001482 T271	94217	284699	94243	284665	Sand	Other		Scope
IE001482 T271.1	94243	284665	94267	284626	Sand	Other		Scope
IE001482 T271.2	94267	284626	94292	284589	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T271.3	94292	284589	94300	284571	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope

IE001482 T271.4	94300	284571	94303	284496	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T271.5	94303	284496	94302	284475	Zostera marina Abundant	Zostera marina Abundant	Dense bed of Z.ostera marina	Scope
IE001482 T271.6	94302	284475	94251	284463	Sand	Other	With shell	Scope
IE001482 T271.7	94251	284463	94230	284478	Sand	Other		Scope
IE001482 T271.8	94230	284478	94208	284493	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T271.9	94208	284493	94190	284505	Sand	Other		Scope
IE001482 T271.10	94190	284505	94178	284513	Sand	Other		Scope
IE001482 T271.11	94178	284513	94136	284527	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T271.12	94136	284527	94109	284527	Sand	Other		Scope
IE001482 T271.13	94109	284527	94091	284587	Sand	Other		Scope
IE001482 T271.14	94091	284587	94093	284596	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T271.15	94093	284596	94095	284624	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T271.16	94095	284624	94177	284610	Sand	Other		Scope
IE001482 T271.17	94177	284610	94226	284599	Sand	Other	With Chorda filum	Scope
IE001482 T271.18	94226	284599	94259	284596	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T271.19	94259	284596	94254	284538	Zostera marina Abundant	Zostera marina Abundant	Zostera marina continues to shore	Scope
IE001482 T271.20	94254	284538	94251	284500	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T271.21	94251	284500	94242	284476	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T271.22	94242	284476	End Point	End Point	Sand	Other		Scope
IE001482 T272	93695	284993	93737	284998	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T272.1	93737	284998	93777	285002	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T272.2	93777	285002	93814	285009	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T272.3	93814	285009	93821	285016	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T272.4	93821	285016	93850	285010	Sand	Other		Scope
IE001482 T272.5	93850	285010	93824	284974	Sand	Other	With Chorda filum	Scope
IE001482 T272.6	93824	284974	93779	284934	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T272.7	93779	284934	93732	284950	Sand	Other		Scope
IE001482 T272.8	93732	284950	93698	284978	Sand	Other		Scope
IE001482 T272.9	93698	284978	93688	284986	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T272.10	93688	284986	93627	285052	Sand	Other		Scope
IE001482 T272.11	93627	285052	93663	285128	Sand	Other		Scope
IE001482 T272.12	93663	285128	93697	285129	Sand	Other		Scope
IE001482 T272.13	93697	285129	93744	285124	Sand	Other		Scope
IE001482 T272.14	93744	285124	93772	285120	Sand	Other	With shell	Scope
IE001482 T272.15	93772	285120	93786	285089	Sand	Other	With shell	Scope
IE001482 T272.16	93786	285089	93763	285079	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T272.17	93763	285079	93742	285067	Sand	Other		Scope
IE001482 T272.18	93742	285067	93687	285048	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T272.19	93687	285048	93657	285036	Zostera marina Occasional	Zostera marina Occasional		Scope
IE001482 T272.20	93657	285036	End Point	End Point	Sand	Other	With shell	Scope
IE001482 T273	93628	285113	93653	285093	Sand	Other		Scope
IE001482 T273.1	93653	285093	93685	285062	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.2	93685	285062	93690	285056	Sand	Other		Scope
IE001482 T273.3	93690	285056	93703	285043	Zostera marina Occasional	Zostera marina Occasional		Scope



IE001482 T273.4	93703	285043	93765	284978	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.5	93765	284978	93802	284935	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.6	93802	284935	93822	284926	Sand	Other	With shell	Scope
IE001482 T273.7	93822	284926	93827	284937	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.8	93827	284937	93821	284950	Sand	Other	With shell	Scope
IE001482 T273.9	93821	284950	93780	284980	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.10	93780	284980	93699	285082	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.11	93699	285082	93681	285107	Sand	Other		Scope
IE001482 T273.12	93681	285107	93713	285118	Sand	Other		Scope
IE001482 T273.13	93713	285118	93747	285069	Sand	Other		Scope
IE001482 T273.14	93747	285069	93774	285034	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.15	93774	285034	93813	284998	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.16	93813	284998	93833	284992	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.17	93833	284992	93826	285041	Sand	Other		Scope
IE001482 T273.18	93826	285041	93798	285060	Sand	Other	With shell	Scope
IE001482 T273.19	93798	285060	93727	285031	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.20	93727	285031	93700	285022	Zostera marina Abundant	Zostera marina Abundant		Scope
IE001482 T273.21	93700	285022	93658	285009	Sand	Other		Scope
IE001482 T273.22	93658	285009	End Point	End Point	Sand	Other		Scope
IE001482_T274	93687	284872	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive photography and video imagery recorded at this position	Dive
IE001482 T275	92599	284828	92676	284827	Maërl Living & Dead	Maërl Living & Dead	On mud and shell	Scope
IE001482 T275.1	92676	284827	92735	284832	Maërl Living & Dead	Maërl Living & Dead	With macroalgae, shell and <i>Chorda filum</i>	Scope
IE001482 T275.2	92735	284832	92824	284820	Maërl Living & Dead	Maërl Living & Dead	With shell and macroalgae	Scope
IE001482 T275.3	92824	284820	End Point	End Point	Sand	Other	With a scattering of dead Maërl	Scope
IE001482_T276	92892	284698	92806	284717	Sand	Other	With Shell, <i>Chorda filum</i> and scattering of dead Maërl	Scope
IE001482 T276.1	92806	284717	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	With macroalgae and shell	Scope
IE001482 T277	92489	284685	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	With oyster shell	Scope
IE001482 T278	92583	284610	92590	284546	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T278.1	92590	284546	92584	284508	Maërl Living & Dead	Maërl Living & Dead		Scope
IE001482 T278.2	92584	284508	End Point	End Point	Sand	Other	With shell	Scope
IE001482_T279	92415	286243	92487	286175	Shell	Other	With broken shell, <i>Coralina officinalis</i> and 5 percent live Maërl	Scope
IE001482 T279.1	92487	286175	92542	286150	Zostera marina Abundant	Zostera marina Abundant	On sand	Scope
IE001482 T279.2	92542	286150	92577	286126	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T279.3	92577	286126	92608	286112	Sand	Other	With shell	Scope
IE001482 T279.4	92608	286112	92629	286104	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE001482 T279.5	92629	286104	92666	286109	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
IE001482 T279.6	92666	286109	92691	286126	Zostera marina Frequent	Zostera marina Frequent		Scope
IE001482 T279.7	92691	286126	92708	286134	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T279.8	92708	286134	92733	286141	Sand	Other		Scope

IE001482 T279.9	92733	286141	92783	286140	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.10	92783	286140	92864	286086	Sand	Other		Scope
IE001482 T279.11	92864	286086	92888	286188	Sand	Other	With a small amount of live Maërl	Scope
IE001482 T279.12	92888	286188	92847	286205	Sand	Other	With some kelp	Scope
IE001482 T279.13	92847	286205	92747	286224	Sand	Other		Scope
IE001482 T279.14	92747	286224	92714	286234	Sand	Other	With macroalgae	Scope
IE001482 T279.15	92714	286234	92689	286239	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T279.16	92689	286239	92647	286248	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.17	92647	286248	92592	286252	Sand	Other		Scope
IE001482 T279.18	92592	286252	92540	286250	Sand	Other	With macroalgae and <i>Chorda filum</i>	Scope
IE001482 T279.19	92540	286250	92462	286298	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With some Maërl live/dead	Scope
IE001482 T279.20	92462	286298	92420	286298	Sand	Other		Scope
IE001482 T279.21	92420	286298	92333	286309	Sand	Other	With macroalgae and <i>Chorda filum</i>	Scope
IE001482 T279.22	92333	286309	92280	286248	Sand	Other	With macroalgae and <i>Chorda filum</i>	Scope
IE001482 T279.23	92280	286248	92269	286199	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE001482 T279.24	92269	286199	92306	286181	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	On live/dead Maërl	Scope
IE001482 T279.25	92306	286181	92363	286178	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On live/dead Maërl	Scope
IE001482 T279.26	92363	286178	92388	286172	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand	Scope
IE001482 T279.27	92388	286172	92416	286146	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant	On sand	Scope
IE001482 T279.28	92416	286146	92426	286141	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE001482 T279.29	92426	286141	92493	286139	Mud	Other	With macroalgae	Scope
IE001482 T279.30	92493	286139	92518	286130	Sand	Other	With macroalgae	Scope
IE001482 T279.31	92518	286130	92537	286122	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	On sand	Scope
IE001482 T279.32	92537	286122	92561	286116	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On sand	Scope
IE001482 T279.33	92561	286116	92604	286105	Sand	Other	With macroalgae	Scope
IE001482 T279.34	92604	286105	92633	286098	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.35	92633	286098	92694	286104	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T279.36	92694	286104	92723	286143	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.37	92723	286143	92730	286169	Sand	Other	With macroalgae	Scope
IE001482 T279.38	92730	286169	92747	286185	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.39	92747	286185	92759	286187	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T279.40	92759	286187	92788	286160	Sand	Other	With macroalgae	Scope
IE001482 T279.41	92788	286160	92810	286131	Sand	Other		Scope
IE001482 T279.42	92810	286131	92912	286143	Sand	Other	With shell/macroalgae	Scope
IE001482 T279.43	92912	286143	92890	286141	Sand	Other	With shell/macroalgae	Scope
IE001482 T279.44	92890	286141	92813	286191	Shell	Other	With shell and a small amount of live and dead Maërl	Scope
IE001482 T279.45	92813	286191	92739	286195	Sand	Other	With macroalgae	Scope
IE001482 T279.46	92739	286195	92684	286200	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T279.47	92684	286200	92615	286201	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On sand	Scope
IE001482 T279.48	92615	286201	92535	286202	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On sand	Scope
IE001482 T279.49	92535	286202	92486	286201	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T279.50	92486	286201	92406	286196	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With live/dead Maërl and shell	Scope
IE001482 T279.51	92406	286196	92358	286229	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	With live/dead Maërl and shell	Scope

IE001482 T279.52	92358	286229	92491	286186	Maërl Living & Dead	Maërl Living & Dead	With oyster shell	Scope
IE001482 T279.53	92491	286186	92563	286177	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	On sand and shell	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE001482 T279.54	92563	286177	92670	286158	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.55	92670	286158	92690	286140	Sand	Other	With shell	Scope
IE001482 T279.56	92690	286140	92674	286085	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.57	92674	286085	92634	286099	Sand	Other		Scope
IE001482 T279.58	92634	286099	92610	286150	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T279.59	92610	286150	92597	286175	Sand	Other	With macroalgae	Scope
IE001482 T279.60	92597	286175	92562	286226	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With macroalgae	Scope
IE001482 T279.61	92562	286226	92549	286242	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE001482 T279.62	92549	286242	92530	286263	Sand	Other	With macroalgae	Scope
IE001482 T279.63	92530	286263	92495	286272	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.64	92495	286272	92439	286272	Sand	Other	With shell and macroalgae	Scope
IE001482 T279.65	92439	286272	92319	286233	Maërl Living & Dead	Maërl Living & Dead	With live and dead Maërl and shell	Scope
IE001482 T279.66	92319	286233	92199	286199	Maërl Living & Dead	Maërl Living & Dead	With live and dead Maërl and shell	Scope
IE001482 T279.67	92199	286199	92117	286196	Sand	Other	With macroalgae	Scope
IE001482 T279.68	92117	286196	92063	286199	Sand	Other	With macroalgae	Scope
IE001482 T279.69	92063	286199	91953	286197	Sand	Other	With macroalgae	Scope
IE001482 T279.70	91953	286197	91884	286210	Sand	Other	With macroalgae	Scope
IE001482 T279.71	91884	286210	91858	286220	Sand	Other	With macroalgae	Scope
IE001482 T279.72	91858	286220	91781	286216	Kelp	Other		Scope
IE001482 T279.73	91781	286216	91753	286213	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand	Scope
IE001482 T279.74	91753	286213	91737	286214	Kelp	Other		Scope
IE001482 T279.75	91737	286214	91659	286201	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T279.76	91659	286201	91583	286193	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	With kelp	Scope
IE001482 T279.77	91583	286193	91556	286192	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With kelp	Scope
IE001482 T279.78	91556	286192	91534	286198	Sand	Other	With shell	Scope
IE001482 T279.79	91534	286198	91499	286207	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE001482 T279.80	91499	286207	91427	286227	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.81	91427	286227	91391	286239	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482 T279.82	91391	286239	End Point	End Point	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE001482_T280	91682	286802	End Point	End Point	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	Photography and video imagery recorded at the position.	Dive
IE000268 T1	135818	215361	135809	215079	Maërl Dead	Maërl Dead		Scope
IE000268 T1.1	135809	215079	135747	215468	Maërl Dead	Maërl Dead	With macroalgae	Scope
IE000268 T1.2	135747	215468	135773	215569	Mud	Other	With sand and shell	Scope
IE000268_T1.3	135773	215569	135871	215553	Mud	Other	Thin scattering of dead Maërl with <i>Ensis</i> sp and <i>Pecten maximus</i>	Scope
IE000268 T1.4	135871	215553	135945	215505	Maërl Dead	Maërl Dead	On sand	Scope
IE000268 T1.5	135945	215505	136037	215449	Maërl Dead	Maërl Dead		Scope
IE000268_T1.6	136037	215449	136023	215348	Mud	Other	With stones, mud and <i>Enteromorpha</i> sp.	Scope

IE000268 T1.7	136023	215348	135818	215416	Maërl Dead	Maërl Dead		Scope
IE000268 T1.8	135818	215416	End Point	End Point	Maërl Dead	Maërl Dead		Scope
IE000268 T2	135823	215513	135841	215570	Maërl Dead	Maërl Dead		Scope
IE000268 T2.1	135841	215570	135857	215647	Maërl Dead	Maërl Dead	Fine dead Maërl gravel on sand	Scope
IE000268 T2.2	135857	215647	135860	215685	Maërl Dead	Maërl Dead	Fine dead Maërl gravel on sand	Scope
IE000268 T2.3	135860	215685	135880	215709	Maërl Dead	Maërl Dead	With stones and shell	Scope
IE000268 T2.4	135880	215709	135860	215779	Maërl Dead	Maërl Dead	On mud 5 percent live Maërl	Scope
IE000268 T2.5	135860	215779	135865	215849	Maërl Dead	Maërl Dead	On mud	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T2.6	135865	215849	End Point	End Point	Mud	Other	With macroalgae	Scope
IE000268 T3	135942	215754	135935	215680	Maërl Dead	Maërl Dead		Scope
IE000268 T3.1	135935	215680	135939	215622	Maërl Dead	Maërl Dead		Scope
IE000268 T3.2	135939	215622	135935	215554	Maërl Dead	Maërl Dead	With broken shell	Scope
IE000268 T3.3	135935	215554	135899	215481	Maërl Dead	Maërl Dead	With shell	Scope
IE000268 T3.4	135899	215481	135871	215429	Maërl Dead	Maërl Dead	Thin covering on mud	Scope
IE000268 T3.5	135871	215429	135851	215327	Maërl Dead	Maërl Dead	Algal mat with patches of dead Maërl	Scope
IE000268 T3.6	135851	215327	135812	215195	Maërl Dead	Maërl Dead	With macroalgae and mud	Scope
IE000268 T3.7	135812	215195	135787	215084	Maërl Dead	Maërl Dead	Mud and macroalgae With a thin covering of Maërl	Scope
IE000268 T3.8	135787	215084	135760	214935	Maërl Dead	Maërl Dead	Thin covering on mud	Scope
IE000268 T3.9	135760	214935	135745	214842	Maërl Dead	Maërl Dead	Thin covering on mud	Scope
IE000268 T3.10	135745	214842	135689	214703	Maërl Dead	Maërl Dead	Fine scattering of Maërl	Scope
IE000268 T3.11	135689	214703	End Point	End Point	Maërl Dead	Maërl Dead	Fine scattering on mud with macroalgae	Scope
IE000268 T4	135588	215013	135642	215072	Maërl Dead	Maërl Dead	Fine scattering of Maërl on sand:	Scope
IE000268 T4.1	135642	215072	135686	215118	Maërl Dead	Maërl Dead	With an algal mat and shell	Scope
IE000268 T4.2	135686	215118	135747	215247	Maërl Dead	Maërl Dead	Fine scattering with algal patches	Scope
IE000268 T4.3	135747	215247	135801	215369	Maërl Dead	Maërl Dead	Fine scattering	Scope
IE000268 T4.4	135801	215369	135704	215325	Maërl Dead	Maërl Dead	Small Occasional fragments of live Maërl	Scope
IE000268 T4.5	135704	215325	135673	215230	Maërl Dead	Maërl Dead	Fine scattering of Maërl	Scope
IE000268 T4.6	135673	215230	135638	215003	Maërl Dead	Maërl Dead	Fine Maërl gravel with macroalgae on mud	Scope
IE000268 T4.7	135638	215003	135699	214887	Maërl Dead	Maërl Dead		Scope
IE000268 T4.8	135699	214887	135776	214846	Maërl Dead	Maërl Dead		Scope
IE000268 T4.9	135776	214846	135875	214808	Maërl Dead	Maërl Dead	Fine Maërl gravel	Scope
IE000268 T4.10	135875	214808	135949	214781	<i>Zostera marina</i> Rare Maërl Dead	<i>Zostera marina</i> Rare Maërl Dead		Scope
IE000268 T4.11	135949	214781	136001	214788	Maërl Dead	Maërl Dead	Fine scattering of Maërl on sand	Scope
IE000268 T4.12	136001	214788	135932	214809	Maërl Dead	Maërl Dead	Fine scattering of Maërl with macroalgae	Scope
IE000268 T4.13	135932	214809	135856	214837	<i>Zostera marina</i> Rare Maërl Dead	<i>Zostera marina</i> Rare Maërl Dead		Scope
IE000268 T4.14	135856	214837	135877	214863	Maërl Dead	Maërl Dead		Scope
IE000268 T4.15	135877	214863	135985	214836	<i>Zostera marina</i> Rare Patchy Maërl Living	<i>Zostera marina</i> Rare Patchy Maërl Living		Scope
IE000268 T4.16	135985	214836	136021	214857	Maërl Dead	Maërl Dead		Scope

IE000268_T4.17	136021	214857	135918	214890	Maërl Dead	Maërl Dead	Fine scattering of Maërl with macroalgae and shell on mud	Scope
IE000268_T4.18	135918	214890	135862	214907	<i>Zostera marina</i> Rare Maërl Dead	<i>Zostera marina</i> Rare Maërl Dead		Scope
IE000268_T4.19	135862	214907	135892	214960	Maërl Dead	Maërl Dead		Scope
IE000268_T4.20	135892	214960	136004	214917	Maërl Dead	Maërl Dead	Fine scattering on mud	Scope
IE000268_T4.21	136004	214917	136106	214876	Maërl Dead	Maërl Dead		Scope
IE000268_T4.22	136106	214876	136083	214928	Maërl Dead	Maërl Dead	Covered with an algal mat	Scope
IE000268_T4.23	136083	214928	136003	214964	Maërl Dead	Maërl Dead	Thin cover of Maërl with algal mat	Scope
IE000268_T4.24	136003	214964	135912	214998	Maërl Dead	Maërl Dead	Thin covering of Maërl	Scope
IE000268_T4.25	135912	214998	135815	214948	Maërl Dead	Maërl Dead	Thin covering of Maërl	Scope
IE000268_T4.26	135815	214948	135789	214793	Maërl Dead	Maërl Dead	Small amount live Maërl less than 5 percent	Scope
IE000268_T4.27	135789	214793	135824	214751	Maërl Dead	Maërl Dead	Small amount live Maërl less than 5 percent, with algal mat	Scope
IE000268_T4.28	135824	214751	135870	214734	<i>Zostera marina</i> Rare Maërl Dead	<i>Zostera marina</i> Rare Maërl Dead		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268_T4.29	135870	214734	135911	214709	<i>Zostera marina</i> Rare Maërl Dead	<i>Zostera marina</i> Rare Maërl Dead		Scope
IE000268_T4.30	135911	214709	135912	214674	<i>Zostera marina</i> Rare Maërl Dead	<i>Zostera marina</i> Rare Maërl Dead		Scope
IE000268_T4.31	135912	214674	135872	214625	<i>Zostera marina</i> Occasional Maërl Dead	<i>Zostera marina</i> Occasional Maërl Dead		Scope
IE000268_T4.32	135872	214625	135827	214603	<i>Zostera marina</i> Occasional Maërl Dead	<i>Zostera marina</i> Occasional Maërl Dead		Scope
IE000268_T4.33	135827	214603	135811	214596	<i>Zostera marina</i> Occasional Patchy Maërl Dead	<i>Zostera marina</i> Occasional Patchy Maërl Dead		Scope
IE000268_T4.34	135811	214596	135759	214579	Maërl Dead	Maërl Dead		Scope
IE000268_T4.35	135759	214579	135760	214590	Maërl Dead	Maërl Dead	With small clusters of mussels	Scope
IE000268_T4.36	135760	214590	135774	214584	Maërl Dead	Maërl Dead	With an algal cover	Scope
IE000268_T4.37	135774	214584	135749	214645	Maërl Dead	Maërl Dead	With an algal cover. Fine Maërl	Scope
IE000268_T4.38	135749	214645	End Point	End Point	Maërl Dead	Maërl Dead	With small clusters of mussels	Scope
IE000268_T5	135929	215066	136039	215057	Maërl Dead	Maërl Dead	Fine dead Maërl	Scope
IE000268_T5.1	136039	215057	136135	215049	Maërl Living	Maërl Living		Scope
IE000268_T5.2	136135	215049	136190	215049	Maërl Living	Maërl Living		Scope
IE000268_T5.3	136190	215049	136233	215072	Mud	Other		Scope
IE000268_T5.4	136233	215072	136277	215080	Mud	Other	With stones and macroalgae	Scope
IE000268_T5.5	136277	215080	136207	215125	Mud	Other	With Stones, shell and macroalgae	Scope
IE000268_T5.6	136207	215125	136053	215165	Mud	Other	With stones and macroalgae	Scope
IE000268_T5.7	136053	215165	135947	215176	Mud	Other	With <i>Entromorpha</i> sp.	Scope
IE000268_T5.8	135947	215176	135883	215215	Maërl Dead	Maërl Dead	With <i>Entromorpha</i> sp.	Scope
IE000268_T5.9	135883	215215	136078	215431	Maërl Dead	Maërl Dead	Thin cover of Maërl	Scope
IE000268_T5.10	136078	215431	136121	215504	Mud	Other	10 percent live Maërl in mud With shell	Scope
IE000268_T5.11	136121	215504	136146	215596	<i>Zostera marina</i> Rare Maërl Dead	<i>Zostera marina</i> Rare Maërl Dead	On shell	Scope
IE000268_T5.12	136146	215596	136181	215676	<i>Zostera marina</i> Rare Maërl Living & Dead	<i>Zostera marina</i> Rare Maërl Living & Dead	Large nodules of live Maërl	Scope
IE000268_T5.13	136181	215676	136193	215725	Maërl Living & Dead	Maërl Living & Dead	Large live nodules covering 5-10 percent of area	Scope
IE000268_T5.14	136193	215725	136189	215821	Maërl Living & Dead	Maërl Living & Dead	40 cover of area was live large nodules of Maërl	Scope

IE000268 T5.15	136189	215821	136178	215892	Zostera marina Rare Maërl Living & Dead	Zostera marina Rare Maërl Living & Dead	1 to 2 percent live Maërl	Scope
IE000268 T5.16	136178	215892	136170	215920	Maërl Dead	Maërl Dead		Scope
IE000268 T5.17	136170	215920	136119	215925	Mud	Other	With some dead Maërl	Scope
IE000268 T5.18	136119	215925	136073	215837	Mud	Other	With a sprinkling dead Maërl	Scope
IE000268 T5.19	136073	215837	136064	215754	Mud	Other	With macroalgae with a sprinkling dead Maërl	Scope
IE000268 T5.20	136064	215754	136082	215522	Maërl Dead	Maërl Dead	With shell and live nodules of Maërl (Rare)	Scope
IE000268 T5.21	136082	215522	136189	215505	Zostera marina Rare Maërl Dead	Zostera marina Rare Maërl Dead	With macroalgae	Scope
IE000268 T5.22	136189	215505	136271	215487	Maërl Dead	Maërl Dead	Thin cover	Scope
IE000268 T5.23	136271	215487	136340	215472	Maërl Dead	Maërl Dead	Fine cover with macroalgae	Scope
IE000268 T5.24	136340	215472	136423	215578	Maërl Dead	Maërl Dead	Fine thin cover of Maërl	Scope
IE000268 T5.25	136423	215578	136435	215617	Maërl Dead	Maërl Dead	Fine cover with macroalgae	Scope
IE000268 T5.26	136435	215617	End Point	End Point	Kelp	Other		Scope
IE000268 T6	136325	215598	136292	215695	Mud	Other	With macroalgae	Scope
IE000268 T6.1	136292	215695	136286	215730	Mud	Other	With macroalgae and shell	Scope
IE000268 T6.2	136286	215730	136292	215809	Maërl Dead	Maërl Dead	With shell and macroalgae	Scope
IE000268 T6.3	136292	215809	136311	215855	Zostera marina Rare Maërl Dead	Zostera marina Rare Maërl Dead		Scope
IE000268 T6.4	136311	215855	136391	215906	Maërl Dead	Maërl Dead	With shell	Scope
IE000268 T6.5	136391	215906	136407	215881	Maërl Dead	Maërl Dead	With shell	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T6.6	136407	215881	136321	215800	Maërl Dead	Maërl Dead	With macroalgal covering	Scope
IE000268 T6.7	136321	215800	136275	215751	Mud	Other	With macroalgae and shell	Scope
IE000268 T6.8	136275	215751	136250	215664	Maërl Dead	Maërl Dead	Fine covering with shell	Scope
IE000268 T6.9	136250	215664	136230	215562	Maërl Dead	Maërl Dead	Fine thin cover with macroalgae and shell	Scope
IE000268 T6.10	136230	215562	136209	215479	Maërl Dead	Maërl Dead	With macroalgae and shell	Scope
IE000268 T6.11	136209	215479	136204	215432	Maërl Dead	Maërl Dead	With macroalgae and shell	Scope
IE000268 T6.12	136204	215432	136167	215294	Maërl Dead	Maërl Dead	With macroalgae and shell	Scope
IE000268 T6.13	136167	215294	136191	215233	Maërl Dead	Maërl Dead	With macroalgae and shell	Scope
IE000268 T6.14	136191	215233	136208	215193	Maërl Dead	Maërl Dead		Scope
IE000268 T6.15	136208	215193	136203	215029	Mud	Other	With macroalgae cover	Scope
IE000268 T6.16	136203	215029	136146	214966	Maërl Dead	Maërl Dead	Thin cover with shell and macroalgae	Scope
IE000268 T6.17	136146	214966	End Point	End Point	Maërl Dead	Maërl Dead		Scope
IE000268 T7	125094	210394	125124	210388	Maërl Dead	Maërl Dead	With shell	Scope
IE000268 T7.1	125124	210388	125168	210357	Kelp	Other		Scope
IE000268 T7.2	125168	210357	125264	210381	Kelp	Other		Scope
IE000268 T7.3	125264	210381	125338	210411	Kelp	Other		Scope
IE000268 T7.4	125338	210411	125509	210529	Kelp	Other		Scope
IE000268 T7.5	125509	210529	125610	210611	Kelp	Other		Scope
IE000268 T7.6	125610	210611	125658	210629	Maërl Dead	Maërl Dead	Thin scattering	Scope
IE000268 T7.7	125658	210629	125784	210692	Kelp	Other		Scope
IE000268 T7.8	125784	210692	125819	210715	Maërl Dead	Maërl Dead	Scattering of dead Maërl	Scope

IE000268 T7.9	125819	210715	125862	210784	Kelp	Other		Scope
IE000268 T7.10	125862	210784	126078	210786	Maërl Dead	Maërl Dead	Kelp with patches of dead Maërl	Scope
IE000268 T7.11	126078	210786	End Point	End Point	Maërl Dead	Maërl Dead	Scattering of shell and sand	Scope
IE000268 T8	126178	210718	126257	210766	Maërl Dead	Maërl Dead	Scattering of Maërl on sand	Scope
IE000268 T8.1	126257	210766	126332	210790	Maërl Dead	Maërl Dead		Scope
IE000268 T8.2	126332	210790	126423	210823	Kelp	Other		Scope
IE000268 T8.3	126423	210823	126500	210891	Kelp	Other		Scope
IE000268 T8.4	126500	210891	126540	210949	Kelp	Other		Scope
IE000268 T8.5	126540	210949	126618	211053	Maërl Dead	Maërl Dead	With kelp	Scope
IE000268 T8.6	126618	211053	126781	211135	Maërl Dead	Maërl Dead	Scattering of dead kelp and macroalgae	Scope
IE000268 T8.7	126781	211135	126836	211142	Maërl Dead	Maërl Dead	Scattering of dead Maërl with kelp and macroalgae	Scope
IE000268 T8.8	126836	211142	126893	211157	Kelp	Other		Scope
IE000268 T8.9	126893	211157	127034	211144	Maërl Dead	Maërl Dead	Scattering of dead Maërl with kelp and macroalgae	Scope
IE000268 T8.10	127034	211144	127124	211090	Kelp	Other		Scope
IE000268 T8.11	127124	211090	127165	211039	Sand	Other	Sand with patches of dead Maërl	Scope
IE000268 T8.12	127165	211039	127202	210994	Kelp	Other		Scope
IE000268 T8.13	127202	210994	End Point	End Point	Maërl Dead	Maërl Dead	Scattering of Maërl with kelp and shell	Scope
IE000268 T9	127170	211166	127083	211093	Mud	Other	Small amount of dead Maërl	Dive
IE000268 T9.1	127083	211093	End Point	End Point	Sand	Other	Small scattering dead Maërl	Dive
IE000268 T10	126108	210729	126037	210700	Maërl Dead	Maërl Dead		Scope
IE000268 T10.1	126037	210700	125921	210712	Maërl Living & Dead	Maërl Living & Dead	95 percent dead 5 percent live Maërl	Scope
IE000268 T10.2	125921	210712	125730	210660	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE000268 T10.3	125730	210660	125562	210581	Kelp	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T10.4	125562	210581	125384	210441	Maërl Dead	Maërl Dead	With Kelp	Scope
IE000268 T10.5	125384	210441	125319	210391	Maërl Dead	Maërl Dead	With Kelp	Scope
IE000268 T10.6	125319	210391	125227	210342	Kelp	Other		Scope
IE000268 T10.7	125227	210342	125140	210316	Maërl Dead	Maërl Dead	Kelp on dead Maërl	Scope
IE000268 T10.8	125140	210316	End Point	End Point	Maërl Dead	Maërl Dead		Scope
IE000268 T11	123124	211952	123165	211895	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl on mud. Thin covering	Dive
IE000268 T11.1	123165	211895	End Point	End Point	Kelp	Other		Dive
IE000268 T12	122819	211861	122874	211810	Maërl Living	Maërl Living	90 percent live Maërl. Thin covering	Dive
IE000268 T12.1	122874	211810	End Point	End Point	Kelp	Other		Dive
IE000268 T13	122569	211845	122702	211748	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl then becoming 100 percent live and gradually becoming banded 30 percent live 70 percent dead	Dive
IE000268 T13.1	122702	211748	End Point	End Point	Kelp	Other		Dive
IE000268 T14	122549	211699	122568	211629	Maërl Living & Dead	Maërl Living & Dead	70 percent live 30 percent dead Maërl	Dive
IE000268 T14.1	122568	211629	End Point	End Point	Kelp	Other		Dive
IE000268 T15	121846	211585	121827	211633	Maërl Dead	Maërl Dead		Dive

IE000268 T15.1	121827	211633	End Point	End Point	Mud	Other		Dive
IE000268 T16	121969	211576	121964	211598	Kelp	Other		Dive
IE000268 T16.1	121964	211598	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Dive
IE000268 T17	122160	211718	122148	211739	Kelp	Other		Dive
IE000268 T17.1	122148	211739	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent live 40 percent dead Maërl	Dive
IE000268 T18	122283	211710	122278	211714	Maërl Living & Dead	Maërl Living & Dead	60 percent live 40 percent dead Maërl	Dive
IE000268 T18.1	122278	211714	End Point	End Point	Kelp	Other		Dive
IE000268 T19	122386	211655	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Kelp/Maërl boundary	Dive
IE000268 T20	123447	211985	122822	212089	Mud	Other	Living Maërl at start of transect increasing to dead Maërl towards end.	Dive
IE000268 T20.1	122822	212089	End Point	End Point	Maërl Dead	Maërl Dead	100 percent dead Maërl	Dive
IE000268 T21	123517	212259	123525	212246	Mud	Other	Boundary with dead Maërl scattering	Dive
IE000268 T21.1	123525	212246	End Point	End Point	Maërl Dead	Maërl Dead	100 percent thick cover of Maërl .	Dive
IE000268 T22	123733	212339	123656	212420	Sand	Other	With a sprinkling dead Maërl	Dive
IE000268 T22.1	123656	212420	End Point	End Point	Maërl Dead	Maërl Dead		Dive
IE000268 T23	123825	212558	123835	212544	Maërl Dead	Maërl Dead	95 percent dead, 5 percent live Maërl	Dive
IE000268 T23.1	123835	212544	End Point	End Point	Kelp	Other		Dive
IE000268 T24	124708	212554	123940	212582	Kelp	Other	With rock and mussels	Dive
IE000268 T24.1	123940	212582	End Point	End Point	Maërl Dead	Maërl Dead	85 percent dead 15 percent live Maërl	Dive
IE000268 T25	124344	212687	124344	212698	Sand	Other	With stones and macroalgae	Dive
IE000268 T25.1	124344	212698	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	80 percent dead and 20 percent live Maërl	Dive
IE000268 T26	124664	212722	124699	212745	Kelp	Other		Dive
IE000268 T26.1	124699	212745	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent dead 40 percent live Maërl on gravel	Dive
IE000268 T27	125015	212880	124979	212770	Maërl Living	Maërl Living		Dive
IE000268 T27.1	124979	212770	End Point	End Point	Kelp	Other		Dive
IE000268 T28	125430	212833	125412	212901	Maërl Living	Maërl Living	Mixed with gravel	Dive
IE000268 T28.1	125412	212901	End Point	End Point	Kelp	Other		Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T29	125837	212944	126380	213012	Maërl Living	Maërl Living	Mixed with gravel	Dive
IE000268 T29.1	126380	213012	125695	213140	Kelp	Other	With mussels	Dive
IE000268 T29.2	125695	213140	End Point	End Point	Kelp	Other		Dive
IE000268 T30	126389	213664	End Point	End Point	Maërl Living	Maërl Living	20 percent live Maërl mixed with gravel	Dive
IE000268 T30.1	126494	214041	126382	213997	Sand	Other	With gravel over sand	Dive
IE000268 T31	126382	213997	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	80 percent dead and 20 percent live Maërl in bands	Dive
IE000268 T32	126699	214436	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive	Dive
IE000268 T33	128101	214293	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 80 percent live 20 percent dead Maërl	Dive
IE000268 T34	127080	214370	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 50 percent live 50 percent dead Maërl	Dive
IE000268 T35	127557	214341	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 50 percent live 50 percent	Dive



IE000268_T36	128551	214241	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	dead Maërl	
IE000268_T37	128986	214247	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 70 percent live 30 percent dead on gravel	Dive
IE000268_T38	129369	214231	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 70 percent live 30 percent dead Maërl	Dive
IE000268_T39	129572	214168	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 80 percent live 20 percent dead thin on sand and shell	Dive
IE000268_T40	129910	214121	End Point	End Point	Maërl Dead	Maërl Dead	Spot dive 80 percent live 20 percent dead thin on sand and shell	Dive
IE000268_T41	130202	214141	End Point	End Point	Maërl Dead	Maërl Dead	Spot dive 40 percent cover of dead Maërl on sand	Dive
IE000268_T42	130375	214161	End Point	End Point	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	Spot dive 40 percent cover of dead Maërl on sand	Dive
IE000268_T43	130377	214022	End Point	End Point	Kelp	Other	Spot dive	Dive
IE000268_T44	130369	214186	130289	214198	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent	On sand	Scope
IE000268_T44.1	130289	214198	130218	214202	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000268_T44.2	130218	214202	End Point	End Point	Sand	Other	Shelly sand with macroalgae	Scope
IE000268_T45	130398	214186	130500	214195	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000268_T45.1	130500	214195	130565	214197	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000268_T45.2	130565	214197	130597	214205	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000268_T45.3	130597	214205	End Point	End Point	Sand	Other		Scope
IE000268_T46	130343	214189	130359	214226	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional	On sand	Scope
IE000268_T46.1	130359	214226	130366	214285	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000268_T46.2	130366	214285	End Point	End Point	Sand	Other		Scope
IE000268_T47	130344	214317	130279	214314	Sand	Other		Scope
IE000268_T47.1	130279	214314	130240	214223	Sand	Other		Scope
IE000268_T47.2	130240	214223	130245	214193	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000268_T47.3	130245	214193	130246	214128	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000268_T47.4	130246	214128	End Point	End Point	Kelp	Other		Scope
IE000268_T48	130265	214108	130309	214091	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000268_T48.1	130309	214091	130343	214074	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000268_T48.2	130343	214074	130368	214079	Kelp	Other		Scope
IE000268_T48.3	130368	214079	130388	214092	Kelp	Other		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268_T48.4	130388	214092	130407	214111	<i>Zostera marina</i> Abundant	<i>Zostera marina</i> Abundant		Scope
IE000268_T48.5	130407	214111	130423	214130	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000268_T48.6	130423	214130	130451	214178	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000268_T48.7	130451	214178	130470	214211	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000268_T48.8	130470	214211	130480	214245	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000268_T48.9	130480	214245	130489	214276	<i>Zostera marina</i> Rare Patchy	<i>Zostera marina</i> Rare Patchy		Scope
IE000268_T48.10	130489	214276	End Point	End Point	Sand	Other		Scope
IE000268_T49	130502	214289	130551	214256	Sand	Other		Scope
IE000268_T49.1	130551	214256	130569	214234	<i>Zostera marina</i> Rare Patchy	<i>Zostera marina</i> Rare Patchy		Scope

IE000268 T49.2	130569	214234	130587	214197	Sand	Other		Scope
IE000268 T49.3	130587	214197	130585	214151	Sand	Other		Scope
IE000268 T49.4	130585	214151	130564	214146	Kelp	Other		Scope
IE000268 T49.5	130564	214146	130518	214166	Kelp	Other		Scope
IE000268 T49.6	130518	214166	130498	214177	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare	With Kelp	Scope
IE000268 T49.7	130498	214177	130460	214214	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000268 T49.8	130460	214214	130445	214228	<i>Zostera marina</i> Frequent	<i>Zostera marina</i> Frequent		Scope
IE000268 T49.9	130445	214228	130426	214249	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000268 T49.10	130426	214249	130411	214265	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000268 T49.11	130411	214265	End Point	End Point	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000268 T50	131455	214462	End Point	End Point	Sand	Other	Spot dive	Dive
IE000268 T51	129801	214315	129870	214336	Maërl Living & Dead	Maërl Living & Dead	60 percent cover of Maërl	Dive
IE000268 T51.1	129870	214336	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	75 percent dead 25 percent live with kelp and shell	Dive
IE000268 T52	129502	214518	129505	214629	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Dive
IE000268 T52.1	129505	214629	End Point	End Point	Kelp	Other	With stone and shell	Dive
IE000268 T53	129194	214592	129233	214955	Maërl Living & Dead	Maërl Living & Dead	Live Maërl 100 percent in places	Dive
IE000268 T53.1	129233	214955	End Point	End Point	Stone/Shell	Other		Dive
IE000268 T54	128922	214762	128942	214991	Maërl Living	Maërl Living	80 percent cover of live Maërl with kelp	Dive
IE000268 T54.1	128942	214991	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent live 40 percent dead	Dive
IE000268 T55	128582	215108	128619	214989	Maërl Living	Maërl Living	90 percent live Maërl and kelp	Dive
IE000268 T55.1	128619	214989	End Point	End Point	Maërl Living	Maërl Living	90 live Maërl 10 percent dead Maërl	Dive
IE000268 T56	128290	215053	128266	214960	Rock	Other	With kelp and pieces of live Maërl increasing along transect	Dive
IE000268 T56.1	128266	214960	End Point	End Point	Maërl Living & Dead Duned	Maërl Living & Dead Duned	50 percent live 50 percent dead Maërl	Dive
IE000268 T57	128097	215099	127956	214987	Rock	Other	With kelp and small amount of Maërl in pockets	Dive
IE000268 T57.1	127956	214987	End Point	End Point	Maërl Living & Dead Duned	Maërl Living & Dead Duned	90 percent dead Maërl	Dive
IE000268 T58	128013	215351	127925	215352	Rock	Other	With kelp	Dive
IE000268 T58.1	127925	215352	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	80 percent cover of 50 percent live 50 percent dead Maërl	Dive
IE000268 T59	129606	214103	129480	214125	Rock	Other	With kelp and small Maërl pockets	Dive
IE000268 T59.1	129480	214125	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE000268 T60	129358	213970	129332	213978	Maërl Living	Maërl Living		Dive
IE000268 T60.1	129332	213978	End Point	End Point	Maërl Living	Maërl Living	50 percent live Maërl 50 percent shell	Dive
IE000268 T61	129055	213798	129043	213850	Gravel	Other	With kelp over stone/gravel	Dive
IE000268 T61.1	129043	213850	129017	213907	Gravel	Other	Small amount of dead Maërl	Dive
IE000268 T61.2	129017	213907	End Point	End Point	Gravel	Other	With kelp	Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T62	128938	213845	128919	213930	Maërl Living	Maërl Living	Live Maërl with kelp shell and gravel	Dive
IE000268 T62.1	128919	213930	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Frequent patches of dense live Maërl with gravel and shell	Dive
IE000268 T63	128648	213805	128628	213883	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead	20 percent live Maërl 80 percent dead	Dive

							Maërl on sand	
IE000268 T63.1	128628	213883	End Point	End Point	Maërl Living	Maërl Living	100 percent live Maërl	Dive
IE000268 T64	128331	213774	128311	213886	<i>Zostera marina</i> Frequent Maërl Living & Dead	<i>Zostera marina</i> Frequent Maërl Living & Dead	Small amount of dead and live Maërl and <i>Zostera marina</i> on sand	Dive
IE000268 T64.1	128311	213886	128325	213921	Maërl Living & Dead Duned	Maërl Living & Dead Duned	50 percent live Maërl 50 percent dead Maërl	Dive
IE000268 T64.2	128325	213921	End Point	End Point	Maërl Living	Maërl Living	50 percent cover with gravel	Dive
IE000268 T65	128010	213809	128047	214009	Kelp	Other	With gravel	Dive
IE000268 T65.1	128047	214009	End Point	End Point	Maërl Living	Maërl Living	20 percent live Maërl on gravel	Dive
IE000268 T66	127648	214171	127633	214024	Maërl Living	Maërl Living	100 percent live Maërl	Dive
IE000268 T66.1	127633	214024	127648	213990	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	On sand	Dive
IE000268 T66.2	127648	213990	End Point	End Point	Gravel	Other		Dive
IE000268 T67	127073	214138	127152	213982	Maërl Living	Maërl Living	00 percent live Maërl	Dive
IE000268 T67.1	127152	213982	End Point	End Point	Sand	Other		Dive
IE000268 T68	121773	211899	End Point	End Point	Sand	Other	Spot dive	Dive
IE000268 T69	122002	211801	End Point	End Point	Sand	Other	Spot dive 20 to 30 percent dead Maërl on sand	Dive
IE000268 T70	122009	212021	122098	211840	Sand	Other		Dive
IE000268 T70.1	122098	211840	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	70 percent live 30 percent dead Maërl on sand	Dive
IE000268 T71	122277	211848	122190	212091	Maërl Living & Dead	Maërl Living & Dead		Dive
IE000268 T71.1	122190	212091	End Point	End Point	Sand	Other		Dive
IE000268 T72	122399	212216	122467	212235	Sand	Other	Dead Maërl fragments on sand	Dive
IE000268 T72.1	122467	212235	122412	212236	Maërl Dead	Maërl Dead	Dead Maërl on sand	Dive
IE000268 T72.2	122412	212236	End Point	End Point	Sand	Other		Dive
IE000268 T73	122562	212468	122588	212409	Sand	Other		Dive
IE000268 T73.1	122588	212409	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE000268 T74	122623	212766	End Point	End Point	Sand	Other	With shell	Dive
IE000268 T75	122715	212550	122623	212766	Maërl Living	Maërl Living		Dive
IE000268 T75.1	122937	212909	122829	212970	Maërl Living & Dead	Maërl Living & Dead	40 percent live 60 percent dead Maërl	Dive
IE000268 T75.2	122829	212970	End Point	End Point	Sand	Other	Shelly sand	Dive
IE000268 T76	123207	213241	123412	213223	Sand	Other		Dive
IE000268 T76.1	123412	213223	End Point	End Point	Maërl Dead	Maërl Dead	95 percent dead 5 percent live Maërl	Dive
IE000268 T77	123585	213653	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive. Sand /Maërl boundary	Dive
IE000268 T78	124021	214106	124117	213962	Sand	Other	And gravel	Dive
IE000268 T78.1	124117	213962	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	95 percent live 5 percent dead Maërl	Dive
IE000268 T79	124916	214520	124977	214536	Maërl Living & Dead	Maërl Living & Dead	Sand/ Maërl boundary 95 percent dead 5 percent live Maërl	Dive
IE000268 T79.1	124977	214536	End Point	End Point	Sand	Other		Dive
IE000268 T80	125381	214600	125425	214823	Maërl Living & Dead	Maërl Living & Dead	70 percent dead Maërl at beginning then 70 percent dead towards end Living Maërl between	Dive
IE000268 T80.1	125425	214823	End Point	End Point	Sand	Other		Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type

IE000268 T81	125927	215019	125994	214979	Sand	Other		Dive
IE000268 T81.1	125994	214979	End Point	End Point	Maërl Living	Maërl Living	100 percent live Maërl	Dive
IE000268 T82	126341	215227	126403	215218	Sand	Other		Dive
IE000268 T82.1	126403	215218	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent live 40 percent dead Maërl	Dive
IE000268 T83	126786	215421	126826	215389	Sand	Other		Dive
IE000268 T83.1	126826	215389	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	20 percent live 80 percent dead Maërl	Dive
IE000268 T84	127051	215781	127222	215677	Rock	Other	With sponges ( <i>Cliona sp</i> )	Dive
IE000268 T84.1	127222	215677	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	90 percent dead Maërl	Dive
IE000268 T85	127469	215952	127474	215953	Maërl Dead	Maërl Dead		Dive
IE000268 T85.1	127474	215953	End Point	End Point	Sand	Other		Dive
IE000268 T86	127984	216125	128066	216100	Sand	Other		Dive
IE000268 T86.1	128066	216100	End Point	End Point	Maërl Dead	Maërl Dead		Dive
IE000268 T87	123131	212321	123426	212657	Maërl Living & Dead	Maërl Living & Dead	Thin cover in patches on sand/macroalgae	Dive
IE000268 T87.1	123426	212657	End Point	End Point	Maërl Dead	Maërl Dead	Pockets of Maërl in kelp & rock	Dive
IE000268 T88	123826	213038	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive patchy Maërl, thin cover on sand	Dive
IE000268 T89	124317	213441	End Point	End Point	Sand	Other	Spot dive. Small sprinkling dead Maërl on sand	Dive
IE000268 T90	124989	213682	End Point	End Point	Maërl Dead	Maërl Dead	Spot dive	Dive
IE000268 T91	125627	213672	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 50 percent live 50 percent dead Maërl	Dive
IE000268 T92	126079	214217	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 70 percent dead 30 percent live	Dive
IE000268 T93	126770	214572	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 80 percent dead 20 percent live	Dive
IE000268 T94	127793	214671	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive 60 percent dead 40 percent live	Dive
IE000268 T95	127552	215385	End Point	End Point	Maërl Dead	Maërl Dead	Spot dive d mixed With shell	Dive
IE000268 T96	128471	215751	128505	215803	Sand	Other		Dive
IE000268 T96.1	128505	215803	End Point	End Point	Maërl Living	Maërl Living	With coarse sand and shell	Dive
IE000268 T97	128847	215648	128844	215603	Maërl Living & Dead	Maërl Living & Dead		Dive
IE000268 T97.1	128844	215603	End Point	End Point	Gravel	Other	With shell	Dive
IE000268 T98	129086	215487	129097	215532	Sand	Other	Fragments of dead Maërl	Dive
IE000268 T98.1	129097	215532	End Point	End Point	Maërl Living	Maërl Living	20 percent live Maërl with shell and gravel	Dive
IE000268 T99	128438	217560	128535	217555	Rock	Other		Dive
IE000268 T99.1	128535	217555	End Point	End Point	Mud	Other		Dive
IE000268 T100	128542	217472	128899	217476	Mud	Other		Dive
IE000268 T100.1	128899	217476	129086	217834	Mud	Other		Dive
IE000268 T100.2	129086	217834	End Point	End Point	Sand	Other	Muddy sand with gravel	Dive
IE000268 T101	128975	217358	End Point	End Point	Sand	Other	Spot dive	Dive
IE000268 T102	128786	216831	End Point	End Point	Sand	Other	Spot dive	Dive
IE000268 T103	128569	216186	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive. Live Maërl with patches of dead Maërl	Dive

IE000268 T104	128628	216309	128710	216200	Sand	Other		Dive
IE000268 T104.1	128710	216200	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	100 percent Maërl mostly live	Dive
IE000268 T105	128818	216103	128897	216180	Maërl Living	Maërl Living	80 percent cover on sand 100 percent live	Dive
IE000268 T105.1	128897	216180	End Point	End Point	Sand	Other	Fragments of dead Maërl on sand	Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T106	129145	216060	129245	215914	Sand	Other	Patches of dead Maërl, thin cover	Dive
IE000268 T106.1	129245	215914	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent dead 40 percent live Maërl	Dive
IE000268 T107	129577	215665	129466	215442	Sand	Other	With thin covering of 20 percent dead Maërl	Dive
IE000268 T107.1	129466	215442	End Point	End Point	Sand	Other		Dive
IE000268 T108	129317	215118	129421	215180	Maërl Living	Maërl Living	100 percent live Maërl of 50 percent cover on gravel	Dive
IE000268 T108.1	129421	215180	End Point	End Point	Sand	Other	With gravel and shell	Dive
IE000268 T109	129557	214955	129644	215100	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Dive
IE000268 T109.1	129644	215100	End Point	End Point	Sand	Other		Dive
IE000268 T110	129807	214781	129859	214822	Maërl Living	Maërl Living	With shell/ kelp with live Maërl 60 percent	Dive
IE000268 T110.1	129859	214822	End Point	End Point	Sand	Other		Dive
IE000268 T111	130063	215052	130191	215190	Sand	Other		Dive
IE000268 T111.1	130191	215190	End Point	End Point	Sand	Other		Dive
IE000268 T112	129887	214630	129971	214637	Maërl Dead	Maërl Dead		Dive
IE000268 T112.1	129971	214637	End Point	End Point	Sand	Other		Dive
IE000268 T113	130002	214431	130062	214480	Maërl Living & Dead	Maërl Living & Dead	60 percent dead 40 percent live Maërl	Dive
IE000268 T113.1	130062	214480	End Point	End Point	Gravel	Other	With shell	Dive
IE000268 T114	130099	214510	130249	214675	Sand	Other		Dive
IE000268 T114.1	130249	214675	End Point	End Point	Gravel	Other	With kelp on gravel	Dive
IE000268 T115	129770	215758	End Point	End Point	Maërl Living	Maërl Living	Spot dive	Dive
IE000268 T116	129671	215640	130011	215749	Maërl Living	Maërl Living		Dive
IE000268 T116.1	130011	215749	End Point	End Point	Maërl Living	Maërl Living	Species rich area with <i>Neopentadactyla mixta</i>	Dive
IE000268 T117	129730	215959	129654	216076	Maërl Living	Maërl Living	90 percent live 10 percent dead Maërl	Dive
IE000268 T117.1	129654	216076	End Point	End Point	Sand	Other	10 percent live 90 percent dead Maërl	Dive
IE000268 T118	129820	216354	129878	216313	Sand	Other		Dive
IE000268 T118.1	129878	216313	End Point	End Point	Sand	Other		Dive
IE000268 T119	130015	216208	129961	216270	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Dive
IE000268 T119.1	129961	216270	End Point	End Point	Sand	Other		Dive
IE000268 T120	129961	215467	130032	215547	Maërl Living & Dead	Maërl Living & Dead	With shell gravel and sand	Dive
IE000268 T120.1	130032	215547	End Point	End Point	Maërl Living	Maërl Living	80 to 90 percent live Maërl on sand	Dive
IE000268 T121	130247	215278	130301	215382	Sand	Other		Dive
IE000268 T121.1	130301	215382	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with kelp	Dive
IE000268 T122	134086	215736	134212	215739	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell, banded	Scope

IE000268 T122.1	134212	215739	134257	215730	Maërl Living Duned	Maërl Living Duned		Scope
IE000268 T122.2	134257	215730	134381	215731	Maërl Living	Maërl Living		Scope
IE000268 T122.3	134381	215731	134488	215741	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T122.4	134488	215741	134583	215747	Maërl Living	Maërl Living		Scope
IE000268 T122.5	134583	215747	134757	215744	Maërl Dead	Maërl Dead	With shell	Scope
IE000268 T122.6	134757	215744	134816	215753	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with macroalgae	Scope
IE000268 T122.7	134816	215753	134832	215772	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with macroalgae/gravel	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T122.8	134832	215772	134939	215790	Maërl Living	Maërl Living	50 percent live 50 percent dead Maërl with macroalgae/gravel/shell	Scope
IE000268 T122.9	134939	215790	135004	215742	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T122.10	135004	215742	135035	215692	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.11	135035	215692	135108	215537	Sand	Other		Scope
IE000268 T122.12	135108	215537	135104	215514	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.13	135104	215514	135100	215476	Maërl Living	Maërl Living		Scope
IE000268 T122.14	135100	215476	135097	215365	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE000268 T122.15	135097	215365	135139	215296	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.16	135139	215296	135309	215377	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.17	135309	215377	135390	215428	Maërl Living	Maërl Living	90 percent live Maërl	Scope
IE000268 T122.18	135390	215428	135443	215460	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T122.19	135443	215460	135623	215598	Sand	Other	With dead Maërl	Scope
IE000268 T122.20	135623	215598	135714	215815	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell/gravel	Scope
IE000268 T122.21	135714	215815	135747	215796	Kelp	Other		Scope
IE000268 T122.22	135747	215796	135642	215687	Mud	Other	Macroalgae and <i>Corralina officinalis</i>	Scope
IE000268 T122.23	135642	215687	135578	215652	Maërl Living & Dead	Maërl Living & Dead	With macroalgae/shell	Scope
IE000268 T122.24	135578	215652	135547	215643	Maërl Living	Maërl Living	With macroalgae/shell	Scope
IE000268 T122.25	135547	215643	135491	215597	Maërl Living & Dead	Maërl Living & Dead	With shell/gravel/macroalgae	Scope
IE000268 T122.26	135491	215597	135447	215586	Maërl Living & Dead	Maërl Living & Dead	With shell/gravel/macroalgae	Scope
IE000268 T122.27	135447	215586	135400	215577	Maërl Living & Dead	Maërl Living & Dead	With shell/macroalgae	Scope
IE000268 T122.28	135400	215577	135299	215574	Maërl Living & Dead	Maërl Living & Dead	With gravel/sand/shell/macroalgae	Scope
IE000268 T122.29	135299	215574	135268	215585	Sand	Other	With kelp	Scope
IE000268 T122.30	135268	215585	135239	215605	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.31	135239	215605	135208	215635	Maërl Living & Dead	Maërl Living & Dead	With kelp/macroalgae	Scope
IE000268 T122.32	135208	215635	135155	215692	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.33	135155	215692	135095	215772	Sand	Other	With dead Maërl /shell/macroalgae	Scope
IE000268 T122.34	135095	215772	135018	215842	Maërl Living & Dead	Maërl Living & Dead	50 live 50 percent dead Maërl with macroalgae	Scope
IE000268 T122.35	135018	215842	134994	215853	Sand	Other	With macroalgae/gravel	Scope
IE000268 T122.36	134994	215853	134879	215901	Maërl Living & Dead	Maërl Living & Dead	With macroalgae	Scope
IE000268 T122.37	134879	215901	134863	215906	<i>Zostera marina</i> Rare Maërl Living & Dead	<i>Zostera marina</i> Rare Maërl Living & Dead		Scope
IE000268 T122.38	134863	215906	134841	215912	<i>Zostera marina</i> Occasional Maërl Living & Dead	<i>Zostera marina</i> Occasional Maërl Living & Dead		Scope

IE000268 T122.39	134841	215912	134806	215915	Zostera marina Occasional	Zostera marina Occasional		Scope
IE000268 T122.40	134806	215915	134772	215918	Zostera marina Frequent Patchy Maërl Living & Dead	Zostera marina Frequent Patchy Maërl Living & Dead		Scope
IE000268 T122.41	134772	215918	134733	215919	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.42	134733	215919	134666	215925	Maërl Living & Dead	Maërl Living & Dead	With sand	Scope
IE000268 T122.43	134666	215925	134645	215925	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.44	134645	215925	134619	215922	Maërl Living	Maërl Living		Scope
IE000268 T122.45	134619	215922	134575	215918	Zostera marina Occasional Patchy Maërl Living	Zostera marina Occasional Patchy Maërl Living		Scope
IE000268 T122.46	134575	215918	134555	215916	Zostera marina Occasional Patchy Maërl Living & Dead	Zostera marina Occasional Patchy Maërl Living & Dead		Scope
IE000268 T122.47	134555	215916	134512	215913	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.48	134512	215913	134441	215906	Zostera marina Rare Maërl Living & Dead	Zostera marina Rare Maërl Living & Dead		Scope
IE000268 T122.49	134441	215906	134385	215902	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.50	134385	215902	134346	215898	Maërl Living	Maërl Living	With macroalgae	Scope
IE000268 T122.51	134346	215898	134287	215880	Maërl Living & Dead	Maërl Living & Dead		Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T122.52	134287	215880	134147	215858	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.53	134147	215858	134111	215850	Maërl Living	Maërl Living		Scope
IE000268 T122.54	134111	215850	133932	215795	Maërl Living & Dead	Maërl Living & Dead	With shell/macroalgae	Scope
IE000268 T122.55	133932	215795	133853	215774	Maërl Dead	Maërl Dead	With shell/macroalgae	Scope
IE000268 T122.56	133853	215774	133704	215737	Maërl Dead	Maërl Dead	With shell/macroalgae	Scope
IE000268 T122.57	133704	215737	133645	215727	Maërl Dead	Maërl Dead	With shell	Scope
IE000268 T122.58	133645	215727	133466	215726	Sand	Other	With dead Maërl /shell	Scope
IE000268 T122.59	133466	215726	133422	215722	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T122.60	133422	215722	133300	215712	Maërl Dead	Maërl Dead	With shell	Scope
IE000268 T122.61	133300	215712	133010	215738	Sand	Other	With dead Maërl /shell	Scope
IE000268 T122.62	133010	215738	132946	215765	Sand	Other	With dead Maërl /graveo/macroalgae	Scope
IE000268 T122.63	132946	215765	132760	215793	Sand	Other	With kelp and gravel	Scope
IE000268 T122.64	132760	215793	132679	215710	Sand	Other	With kelp/gravel/shell	Scope
IE000268 T122.65	132679	215710	132711	215491	Maërl Living & Dead	Maërl Living & Dead	With shell/macroalgae	Scope
IE000268 T122.66	132711	215491	132728	215368	Maërl Living & Dead	Maërl Living & Dead	80 percent live Maërl	Scope
IE000268 T122.67	132728	215368	132734	215152	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell	Scope
IE000268 T122.68	132734	215152	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE000268 T123	133039	215239	133050	215334	Maërl Living & Dead	Maërl Living & Dead	Banded live and dead Maërl	Scope
IE000268 T123.1	133050	215334	133053	215492	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE000268 T123.2	133053	215492	133048	215607	Maërl Living & Dead	Maërl Living & Dead	80 percent live and 20 percent dead Maërl with shell	Scope
IE000268 T123.3	133048	215607	133104	215627	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell on sand	Scope
IE000268 T123.4	133104	215627	133234	215620	Maërl Living	Maërl Living	80 percent live 20 percent dead with shell	Scope
IE000268 T123.5	133234	215620	133250	215585	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead with shell on sand	Scope

IE000268 T123.6	133250	215585	133266	215534	Sand	Other	With live and dead Maërl and shell	Scope
IE000268 T123.7	133266	215534	133266	215500	Maërl Dead	Maërl Dead	With shell	Scope
IE000268 T123.8	133266	215500	133271	215357	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE000268 T123.9	133271	215357	133316	215309	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE000268 T123.10	133316	215309	133582	215335	Maërl Living & Dead	Maërl Living & Dead	Banded with shell	Scope
IE000268 T123.11	133582	215335	133730	215376	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE000268 T123.12	133730	215376	133938	215432	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE000268 T123.13	133938	215432	134079	215457	Maërl Living & Dead	Maërl Living & Dead	With shell on sand	Scope
IE000268 T123.14	134079	215457	134133	215473	Maërl Living & Dead	Maërl Living & Dead	With shell on sand	Scope
IE000268 T123.15	134133	215473	134203	215512	Sand	Other	With 40 percent live and 60 percent dead Maërl on sand	Scope
IE000268 T123.16	134203	215512	134263	215524	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell	Scope
IE000268 T123.17	134263	215524	134346	215541	Maërl Living	Maërl Living	With shell	Scope
IE000268 T123.18	134346	215541	134407	215555	Maërl Living	Maërl Living	With shell	Scope
IE000268 T123.19	134407	215555	134489	215545	Sand	Other	With sand and dead Maërl	Scope
IE000268 T123.20	134489	215545	134600	215533	Sand	Other	With shell	Scope
IE000268 T123.21	134600	215533	134625	215524	Sand	Other		Scope
IE000268 T123.22	134625	215524	134655	215504	Sand	Other		Scope
IE000268 T123.23	134655	215504	134696	215447	Maërl Living	Maërl Living	With shell	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T123.24	134696	215447	134730	215390	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell	Scope
IE000268 T123.25	134730	215390	134747	215358	Maërl Dead	Maërl Dead	With Kelp	Scope
IE000268 T123.26	134747	215358	134787	215307	Maërl Living & Dead	Maërl Living & Dead	60 percent live 40 percent dead Maërl	Scope
IE000268 T123.27	134787	215307	134786	215277	Maërl Dead	Maërl Dead		Scope
IE000268 T123.28	134786	215277	134775	215187	Maërl Dead	Maërl Dead	With shell	Scope
IE000268 T123.29	134775	215187	134758	215123	Sand	Other	40 percent live 60 percent dead Maërl	Scope
IE000268 T123.30	134758	215123	End Point	End Point	Sand	Other	40 percent live 60 percent dead Maërl	Scope
IE000268 T124	134716	215187	134702	215223	Sand	Other	With 40 percent live 60 percent dead Maërl	Scope
IE000268 T124.1	134702	215223	134701	215239	Maërl Dead	Maërl Dead		Scope
IE000268 T124.2	134701	215239	134693	215402	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T124.3	134693	215402	134685	215460	Maërl Living & Dead	Maërl Living & Dead	With macroalgae	Scope
IE000268 T124.4	134685	215460	134689	215603	Maërl Living & Dead	Maërl Living & Dead	With gravel and shell	Scope
IE000268 T124.5	134689	215603	134689	215627	Maërl Living & Dead	Maërl Living & Dead	Thin covering on sand	Scope
IE000268 T124.6	134689	215627	134684	215741	Sand	Other	With shell and kelp	Scope
IE000268 T124.7	134684	215741	134686	215784	Maërl Living & Dead	Maërl Living & Dead	With macroalgae and kelp	Scope
IE000268 T124.8	134686	215784	134688	215810	Maërl Living & Dead	Maërl Living & Dead	With shell	Scope
IE000268 T124.9	134688	215810	134690	215874	Sand	Other		Scope
IE000268 T124.10	134690	215874	134694	216012	Maërl Living & Dead	Maërl Living & Dead	With shell and <i>Enteromorpha</i> sp.	Scope
IE000268 T124.11	134694	216012	134695	216043	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy	With sand and shell	Scope
IE000268 T124.12	134695	216043	134705	216100	Sand	Other	With shell	Scope
IE000268 T124.13	134705	216100	134708	216147	Sand	Other	With shell	Scope



IE000268_T124.14	134708	216147	134707	216172	Sand	Other	With shell	Scope
IE000268_T124.15	134707	216172	134700	216193	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000268_T124.16	134700	216193	134685	216218	Sand	Other	With shell	Scope
IE000268_T124.17	134685	216218	134674	216245	Maërl Living	Maërl Living	With Shell	Scope
IE000268_T124.18	134674	216245	134661	216261	<i>Zostera marina</i> Abundant Patchy	<i>Zostera marina</i> Abundant Patchy	With shell sand	Scope
IE000268_T124.19	134661	216261	134644	216277	Sand	Other	With Shell	Scope
IE000268_T124.20	134644	216277	134615	216297	Sand	Other	With shell and macroalgae	Scope
IE000268_T124.21	134615	216297	134587	216309	Sand	Other	With shell and macroalgae	Scope
IE000268_T124.22	134587	216309	134538	216275	Sand	Other	With shell and macroalgae	Scope
IE000268_T124.23	134538	216275	134523	216253	Sand	Other	With Shell	Scope
IE000268_T124.24	134523	216253	134509	216157	Sand	Other	With shell and macroalgae	Scope
IE000268_T124.25	134509	216157	134492	216071	Sand	Other	With shell and macroalgae	Scope
IE000268_T124.26	134492	216071	134482	216008	Maërl Living	Maërl Living		Scope
IE000268_T124.27	134482	216008	134473	215948	Sand	Other	Sand With patches of live and dead Maërl	Scope
IE000268_T124.28	134473	215948	134468	215892	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	<i>Zostera marina</i> Occasional Patchy Maërl Living & Dead	On sand	Scope
IE000268_T124.29	134468	215892	134469	215850	Sand	Other	Sand With patches of live and dead Maërl	Scope
IE000268_T124.30	134469	215850	134450	215776	Maërl Living	Maërl Living	With Shell	Scope
IE000268_T124.31	134450	215776	134432	215716	Maërl Living	Maërl Living	On sand	Scope
IE000268_T124.32	134432	215716	134424	215666	Maërl Living	Maërl Living	With Shell	Scope
IE000268_T124.33	134424	215666	134417	215616	Maërl Living	Maërl Living	With shell on sand	Scope
IE000268_T124.34	134417	215616	134414	215567	Maërl Living & Dead	Maërl Living & Dead	With Shell	Scope
IE000268_T124.35	134414	215567	134415	215541	Sand	Other	With live Maërl	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268_T124.36	134415	215541	134322	215583	Sand	Other	With live Maërl	Scope
IE000268_T124.37	134322	215583	134261	215600	Sand	Other	With shell and patches of live Maërl	Scope
IE000268_T124.38	134261	215600	134259	215684	Sand	Other	With shell and live Maërl	Scope
IE000268_T124.39	134259	215684	134235	215760	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl with shell	Scope
IE000268_T124.40	134235	215760	134230	215788	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268_T124.41	134230	215788	134237	215909	Sand	Other	With Shell	Scope
IE000268_T124.42	134237	215909	134241	215966	Maërl Living	Maërl Living	With Shell	Scope
IE000268_T124.43	134241	215966	134252	216011	<i>Zostera marina</i> Occasional Maërl Living	<i>Zostera marina</i> Occasional Maërl Living		Scope
IE000268_T124.44	134252	216011	134263	216076	<i>Zostera marina</i> Abundant Maërl Dead	<i>Zostera marina</i> Abundant Maërl Dead	With Shell	Scope
IE000268_T124.45	134263	216076	134268	216120	Maërl Living & Dead	Maërl Living & Dead	With macroalgae	Scope
IE000268_T124.46	134268	216120	134255	216157	Sand	Other	With gravel and 10 percent covering of dead Maërl	Scope
IE000268_T124.47	134255	216157	134211	216154	Kelp	Other	With Shell and gravel	Scope
IE000268_T124.48	134211	216154	134127	216169	Gravel	Other	With shell and macroalgae	Scope
IE000268_T124.49	134127	216169	134095	216171	Gravel	Other	With shell and macroalgae	Scope
IE000268_T124.50	134095	216171	134074	216040	Gravel	Other	With sand and macroalgae and dead Maërl	Scope

IE000268 T124.51	134074	216040	134067	216006	Zostera marina Abundant	Zostera marina Abundant	With Shell and gravel	Scope
IE000268 T124.52	134067	216006	134056	215962	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy	With Shell and gravel and sand	Scope
IE000268 T124.53	134056	215962	134031	215869	Sand	Other	With Shell	Scope
IE000268 T124.54	134031	215869	134021	215838	Sand	Other	Sand with patches of live and dead Maërl	Scope
IE000268 T124.55	134021	215838	134015	215734	Sand	Other	With Shell	Scope
IE000268 T124.56	134015	215734	134003	215701	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl	Scope
IE000268 T124.57	134003	215701	133958	215676	Sand	Other	With Shell	Scope
IE000268 T124.58	133958	215676	133883	215694	Sand	Other	With Shell	Scope
IE000268 T124.59	133883	215694	133851	215733	Sand	Other	With Shell	Scope
IE000268 T124.60	133851	215733	133847	215785	Sand	Other	With shell and kelp	Scope
IE000268 T124.61	133847	215785	133837	215874	Sand	Other	With shell and live and dead Maërl	Scope
IE000268 T124.62	133837	215874	133834	215917	Sand	Other	With shell and live and dead Maërl	Scope
IE000268 T124.63	133834	215917	133850	216003	Sand	Other	With shell and kelp	Scope
IE000268 T124.64	133850	216003	133870	216078	Sand	Other	With macroalgae	Scope
IE000268 T124.65	133870	216078	133915	216087	Sand	Other	With macroalgae	Scope
IE000268 T124.66	133915	216087	133977	216027	Sand	Other	With macroalgae	Scope
IE000268 T124.67	133977	216027	134036	215999	Zostera marina Occasional Patchy	Zostera marina Occasional Patchy	On sand	Scope
IE000268 T124.68	134036	215999	134137	216005	Zostera marina Frequent	Zostera marina Frequent	On sand and shell	Scope
IE000268 T124.69	134137	216005	134191	216020	Zostera marina Frequent	Zostera marina Frequent	On sand and shell	Scope
IE000268 T124.70	134191	216020	134215	216029	Sand	Other	With shell	Scope
IE000268 T124.71	134215	216029	134303	216046	Zostera marina Frequent Patchy	Zostera marina Frequent Patchy		Scope
IE000268 T124.72	134303	216046	134389	216061	Maërl Living	Maërl Living		Scope
IE000268 T124.73	134389	216061	134427	216068	Sand	Other	With shell and macroalgae	Scope
IE000268 T124.74	134427	216068	134461	216070	Sand	Other	With shell and patches of live and dead Maërl	Scope
IE000268 T124.75	134461	216070	134482	216071	Zostera marina Rare Maërl Living	Zostera marina Rare Maërl Living		Scope
IE000268 T124.76	134482	216071	134556	216060	Maërl Living	Maërl Living	With shell	Scope
IE000268 T124.77	134556	216060	134687	216113	Sand	Other	Sand and shell with patches of live Maërl	Scope
IE000268 T124.78	134687	216113	End Point	End Point	Sand	Other	With shell	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T125	134755	214603	134634	214786	Sand	Other		Dive
IE000268 T125.1	134634	214786	End Point	End Point	Sand	Other		Dive
IE000268 T126	134302	214837	134342	214861	Sand	Other		Dive
IE000268 T126.1	134342	214861	End Point	End Point	Maërl Dead	Maërl Dead		Dive
IE000268 T127	133920	214898	133925	214787	Maërl Living & Dead	Maërl Living & Dead	90 percent live 10 percent dead Maërl	Dive
IE000268 T127.1	133925	214787	End Point	End Point	Rock	Other	With kelp	Dive
IE000268 T128	133621	214919	133628	214885	Maërl Living & Dead	Maërl Living & Dead	70 percent dead Maërl30 percent live Maërl	Dive
IE000268 T128.1	133628	214885	End Point	End Point	Sand	Other		Dive
IE000268 T129	133340	214987	133378	214961	Maërl Living & Dead	Maërl Living & Dead	80 percent dead Maërl20 percent live Maërl	Dive
IE000268 T129.1	133378	214961	End Point	End Point	Sand	Other	With patches of dead Maërl	Dive

IE000268 T130	133091	215014	133101	214970	Maërl Living & Dead	Maërl Living & Dead	70 percent dead 30 percent live Maërl	Dive
IE000268 T130.1	133101	214970	End Point	End Point	Sand	Other	With patches of dead Maërl	Dive
IE000268 T131	132781	215081	132783	214988	Maërl Living	Maërl Living	90 percent live 10 percent dead Maërl	Dive
IE000268 T131.1	132783	214988	End Point	End Point	Sand	Other		Dive
IE000268 T132	132518	215037	132524	214928	Maërl Living	Maërl Living	80 percent live 20 percent dead Maërl	Dive
IE000268 T132.1	132524	214928	End Point	End Point	Sand	Other		Dive
IE000268 T133	133344	214556	End Point	End Point	Sand	Other	Spot dive. Sand with macroalgae and a scattering of live Maërl	Dive
IE000268 T134	133524	214553	End Point	End Point	Sand	Other	Spot dive	Dive
IE000268 T135	133688	214525	End Point	End Point	Sand	Other	With macroalgae	Dive
IE000268 T135.1	133907	214495	End Point	End Point	Sand	Other	Spot dive	Dive
IE000268 T136	134259	214526	134317	214547	Sand	Other		Dive
IE000268 T136.1	134317	214547	End Point	End Point	Sand	Other		Dive
IE000268 T137	134560	215055	135082	215119	Maërl Living & Dead	Maërl Living & Dead	70 percent live 30 percent dead	Dive
IE000268 T137.1	135082	215119	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	With shell	Dive
IE000268 T138	135133	215127	135168	215137	Maërl Living & Dead	Maërl Living & Dead	With gravel and shell	Scope
IE000268 T138.1	135168	215137	135181	215141	Maërl Dead	Maërl Dead		Scope
IE000268 T138.2	135181	215141	135248	215171	Maërl Dead	Maërl Dead	With shell, gravel sand	Scope
IE000268 T138.3	135248	215171	135354	215217	Sand	Other	With Shell and gravel patches	Scope
IE000268 T138.4	135354	215217	135414	215289	Maërl Living	Maërl Living	Patches on sand	Scope
IE000268 T138.5	135414	215289	135453	215338	Sand	Other		Scope
IE000268 T138.6	135453	215338	135602	215454	Sand	Other		Scope
IE000268 T138.7	135602	215454	End Point	End Point	Sand	Other	With shell	Scope
IE000268 T139	135441	216837	135484	216836	Sand	Other	With coarse sand shell	Scope
IE000268 T139.1	135484	216836	135573	216851	Sand	Other	With shell	Scope
IE000268 T139.2	135573	216851	135674	216907	Sand	Other	With shell	Scope
IE000268 T139.3	135674	216907	135760	217062	Sand	Other	With shell	Scope
IE000268 T139.4	135760	217062	135768	217124	Sand	Other	With shell	Scope
IE000268 T139.5	135768	217124	135775	217189	Sand	Other	With shell	Scope
IE000268 T139.6	135775	217189	135743	217281	Sand	Other	With shell	Scope
IE000268 T139.7	135743	217281	135705	217311	Sand	Other	With shell	Scope
IE000268 T139.8	135705	217311	135656	217330	Sand	Other	With shell	Scope
IE000268 T139.9	135656	217330	135581	217348	Sand	Other	With shell	Scope
IE000268 T139.10	135581	217348	135480	217273	Sand	Other	With shell	Scope
IE000268 T139.11	135480	217273	135443	217208	Sand	Other	With shell	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T139.12	135443	217208	135394	217104	Sand	Other	With shell	Scope
IE000268 T139.13	135394	217104	135362	217018	Sand	Other	With shell	Scope
IE000268 T139.14	135362	217018	135282	216747	Sand	Other	With shell	Scope
IE000268 T139.15	135282	216747	135277	216702	Sand	Other	With shell	Scope
IE000268 T139.16	135277	216702	135301	216669	Sand	Other	With shell	Scope
IE000268 T139.17	135301	216669	135370	216669	Sand	Other	With shell	Scope
IE000268 T139.18	135370	216669	135425	216697	Sand	Other	With shell	Scope

IE000268	T139.19	135425	216697	135538	216763	Sand	Other	With shell	Scope
IE000268	T139.20	135538	216763	135571	216782	Sand	Other	With shell	Scope
IE000268	T139.21	135571	216782	135615	216794	Sand	Other		Scope
IE000268	T139.22	135615	216794	135639	216782	<i>Zostera marina</i> Frequent Patchy	<i>Zostera marina</i> Frequent Patchy		Scope
IE000268	T139.23	135639	216782	135655	216767	Sand	Other	With shell	Scope
IE000268	T139.24	135655	216767	135668	216744	<i>Zostera marina</i> Occasional Patchy	<i>Zostera marina</i> Occasional Patchy		Scope
IE000268	T139.25	135668	216744	135675	216691	Sand	Other	Shelly sand	Scope
IE000268	T139.26	135675	216691	135670	216651	Sand	Other	With shell	Scope
IE000268	T139.27	135670	216651	135645	216625	Sand	Other	With shell	Scope
IE000268	T139.28	135645	216625	135577	216640	Sand	Other		Scope
IE000268	T139.29	135577	216640	135540	216694	Sand	Other	Shelly sand	Scope
IE000268	T139.30	135540	216694	135531	216731	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000268	T139.31	135531	216731	135529	216749	<i>Zostera marina</i> Occasional	<i>Zostera marina</i> Occasional		Scope
IE000268	T139.32	135529	216749	135553	216806	Sand	Other		Scope
IE000268	T139.33	135553	216806	135609	216836	Sand	Other		Scope
IE000268	T139.34	135609	216836	135647	216832	Sand	Other		Scope
IE000268	T139.35	135647	216832	135678	216812	Sand	Other		Scope
IE000268	T139.36	135678	216812	135724	216772	Sand	Other		Scope
IE000268	T139.37	135724	216772	135722	216728	Sand	Other		Scope
IE000268	T139.38	135722	216728	135680	216724	Sand	Other		Scope
IE000268	T139.39	135680	216724	135635	216735	Sand	Other		Scope
IE000268	T139.40	135635	216735	135622	216736	Sand	Other		Scope
IE000268	T139.41	135622	216736	135547	216752	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000268	T139.42	135547	216752	135539	216756	<i>Zostera marina</i> Rare	<i>Zostera marina</i> Rare		Scope
IE000268	T139.43	135539	216756	135568	216813	Sand	Other		Scope
IE000268	T139.44	135568	216813	135689	216819	Sand	Other		Scope
IE000268	T139.45	135689	216819	135755	216806	Sand	Other	Shelly sand	Scope
IE000268	T139.46	135755	216806	135781	216719	Sand	Other	Shelly sand	Scope
IE000268	T139.47	135781	216719	135799	216625	Sand	Other		Scope
IE000268	T139.48	135799	216625	135840	216649	Sand	Other		Scope
IE000268	T139.49	135840	216649	135948	216743	Sand	Other	Shelly sand	Scope
IE000268	T139.50	135948	216743	135948	216848	Sand	Other	Shelly sand	Scope
IE000268	T139.51	135948	216848	135917	216921	Sand	Other	Shelly sand	Scope
IE000268	T139.52	135917	216921	135885	216992	Sand	Other	Shelly sand	Scope
IE000268	T139.53	135885	216992	135815	217021	Sand	Other	Shelly sand	Scope
IE000268	T139.54	135815	217021	135685	217036	Sand	Other	Shelly sand	Scope
IE000268	T139.55	135685	217036	135601	217045	Sand	Other	Shelly sand	Scope
IE000268	T139.56	135601	217045	135477	217061	Sand	Other	Shelly sand	Scope
IE000268	T139.57	135477	217061	135379	217074	Sand	Other	Shelly sand	Scope
IE000268	T139.58	135379	217074	End Point	End Point	Sand	Other	Shelly sand	Scope
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type	
IE000268	T140	132728	216487	132698	216432	Gravel	Other	With shell and macroalgae	Scope
IE000268	T140.1	132698	216432	132650	216388	Gravel	Other	With shell and macroalgae	Scope

IE000268 T140.2	132650	216388	132591	216331	Gravel	Other	With shell and macroalgae	Scope
IE000268 T140.3	132591	216331	132549	216293	Gravel	Other	With shell and macroalgae	Scope
IE000268 T140.4	132549	216293	132497	216235	Gravel	Other	With shell and macroalgae	Scope
IE000268 T140.5	132497	216235	132468	216190	Gravel	Other	With shell and macroalgae	Scope
IE000268 T140.6	132468	216190	132410	216088	Gravel	Other	With shell and macroalgae	Scope
IE000268 T140.7	132410	216088	132368	216006	Gravel	Other	With shell and macroalgae and kelp	Scope
IE000268 T140.8	132368	216006	132371	215880	Gravel	Other	With shell and macroalgae and kelp	Scope
IE000268 T140.9	132371	215880	132371	215787	Gravel	Other	With shell and macroalgae	Scope
IE000268 T140.10	132371	215787	132382	215673	Sand	Other	Shelly sand	Scope
IE000268 T140.11	132382	215673	132396	215582	Sand	Other	Shelly sand	Scope
IE000268 T140.12	132396	215582	132397	215394	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T140.13	132397	215394	132418	215275	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T140.14	132418	215275	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T141	132226	214864	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	Spot dive. Maërl mixed with macroalgae 50 percent live 50 percent dead	Scope
IE000268 T142	132206	215171	132182	215303	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T142.1	132182	215303	132160	215378	Maërl Living & Dead	Maërl Living & Dead		Scope
IE000268 T142.2	132160	215378	132115	215465	Maërl Living & Dead	Maërl Living & Dead	80 percent dead 20 percent live Maërl with shell	Scope
IE000268 T142.3	132115	215465	132062	215536	Maërl Living & Dead	Maërl Living & Dead	With shell macroalgae and sand	Scope
IE000268 T142.4	132062	215536	132461	215201	Maërl Living & Dead	Maërl Living & Dead	With shell macroalgae and sand	Scope
IE000268 T142.5	132461	215201	131980	215721	Maërl Dead	Maërl Dead	90 percent dead 10 percent live Maërl	Scope
IE000268 T142.6	131980	215721	131955	215782	Maërl Living & Dead	Maërl Living & Dead	With shell and macroalgae	Scope
IE000268 T142.7	131955	215782	131890	215909	Maërl Living & Dead	Maërl Living & Dead	With shell and macroalgae 90 percent dead 10 percent live Maërl	Scope
IE000268 T142.8	131890	215909	131851	216032	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T142.9	131851	216032	131856	216087	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Scope
IE000268 T142.10	131856	216087	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	90 percent dead 10 percent live Maërl	Scope
IE000268 T143	131221	214949	131212	214902	Maërl Living & Dead	Maërl Living & Dead	Sand with 40 percent live Maërl	Dive
IE000268 T143.1	131212	214902	End Point	End Point	Sand	Other		Dive
IE000268 T144	130594	215261	130680	215303	Sand	Other	With Maërl patches and macroalgae	Dive
IE000268 T144.1	130680	215303	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	80 percent live 20 percent dead Maërl	Dive
IE000268 T145	130963	215208	130929	215119	Maërl Living & Dead	Maërl Living & Dead	90 percent live 10 percent dead Maërl	Dive
IE000268 T145.1	130929	215119	End Point	End Point	Sand	Other	10 percent cover of live Maërl	Dive
IE000268 T146	131683	214980	131602	214792	Maërl Living & Dead	Maërl Living & Dead	70 percent live 30 percent dead Maërl with sand patches	Dive
IE000268 T146.1	131602	214792	End Point	End Point	Sand	Other	Shelly sand	Dive
IE000268 T147	131951	214910	131979	214821	Maërl Living & Dead	Maërl Living & Dead		Dive
IE000268 T147.1	131979	214821	End Point	End Point	Sand	Other	20 percent cover of dead Maërl	Dive
IE000268 T148	132301	214920	132307	214836	Maërl Living & Dead	Maërl Living & Dead	70 percent dead 30 percent live Maërl	Dive
IE000268 T148.1	132307	214836	End Point	End Point	Sand	Other		Dive
IE000268 T149	130714	216417	130626	216494	Maërl Living & Dead	Maërl Living & Dead	80 percent cover 90 percent live Maërl on sand	Dive
IE000268 T149.1	130626	216494	End Point	End Point	Sand	Other	20 percent dead Maërl on sand	Dive

IE000268_T150	130368	216271	130393	216274	Maërl Living	Maërl Living	90 percent live Maërl, thin cover on sand	Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268_T150.1	130393	216274	End Point	End Point	Sand	Other	With kelp on top	Dive
IE000268_T151	130746	216816	130697	216862	Maërl Dead Duned	Maërl Dead Duned	Low dunes of Maërl	Dive
IE000268_T151.1	130697	216862	End Point	End Point	Sand	Other	With gravel	Dive
IE000268_T152	130519	217166	130615	217206	Sand	Other	With cobbles	Dive
IE000268_T152.1	130615	217206	End Point	End Point	Maërl Dead	Maërl Dead	Banded with gravel	Dive
IE000268_T153	130007	217372	130593	217383	Sand	Other	Fragments of dead Maërl	Dive
IE000268_T153.1	130593	217383	End Point	End Point	Sand	Other	Fragments of dead Maërl	Dive
IE000268_T154	130027	217857	130235	218073	Sand	Other	With gravel	Dive
IE000268_T154.1	130235	218073	End Point	End Point	Maërl Dead	Maërl Dead	90 percent dead Maërl 10 percent gravel	Dive
IE000268_T155	129116	218427	128787	218287	Sand	Other		Dive
IE000268_T155.1	128787	218287	End Point	End Point	Sand	Other		Dive
IE000268_T156	129335	217955	129426	218089	Sand	Other		Dive
IE000268_T156.1	129426	218089	End Point	End Point	Sand	Other		Dive
IE000268_T157	129809	218435	129620	218160	Sand	Other	With gravel and kelp	Dive
IE000268_T157.1	129620	218160	End Point	End Point	Sand	Other	With 20 percent live Maërl with gravel and kelp	Dive
IE000268_T158	129224	218505	129494	218420	Sand	Other		Dive
IE000268_T158.1	129494	218420	End Point	End Point	Gravel	Other	20 percent live 80 percent dead Maërl	Dive
IE000268_T159	129680	218954	129584	218846	Sand	Other	With gravel	Dive
IE000268_T159.1	129584	218846	End Point	End Point	Maërl Living	Maërl Living	Kelp	Dive
IE000268_T160	128407	218497	128411	218695	Sand	Other	With cobbles	Dive
IE000268_T160.1	128411	218695	End Point	End Point	Maërl Living	Maërl Living	30 percent live Maërl	Dive
IE000268_T161	127951	218614	127955	218644	Sand	Other		Dive
IE000268_T161.1	127955	218644	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent live 40 percent dead Maërl	Dive
IE000268_T162	127694	218559	127636	218624	Sand	Other		Dive
IE000268_T162.1	127636	218624	End Point	End Point	Maërl Dead Duned	Maërl Dead Duned	Maërl slightly duned	Dive
IE000268_T163	127365	218494	127334	218518	Sand	Other		Dive
IE000268_T163.1	127334	218518	End Point	End Point	Maërl Dead Duned	Maërl Dead Duned	Maërl slightly duned	Dive
IE000268_T164	127034	218556	127022	218445	Maërl Living	Maërl Living	90 percent live Maërl	Dive
IE000268_T164.1	127022	218445	End Point	End Point	Sand	Other	With 20 percent cover of live Maërl and gravel	Dive
IE000268_T165	127334	218448	126748	218443	Maërl Living	Maërl Living	80 percent cover of live Maërl	Dive
IE000268_T165.1	126748	218443	End Point	End Point	Gravel	Other	20 percent cover of live Maërl with Cobbles and shell	Dive
IE000268_T166	126476	218411	126458	218393	Maërl Living	Maërl Living	60 percent cover of live Maërl with cobbles/boulders	Dive
IE000268_T166.1	126458	218393	End Point	End Point	Gravel	Other	20 percent cover of live Maërl with cobbles/shell/boulders	Dive
IE000268_T167	126201	218280	126198	218406	Sand	Other	Shelly sand with 5 percent cover of live Maërl	Dive

IE000268_T167.1	126198	218406	End Point	End Point	Maërl Living	Maërl Living	60 percent cover of live Maërl with cobbles/boulders	Dive
IE000268_T168	132046	216275	132010	216547	Maërl Living & Dead	Maërl Living & Dead	90 percent live 10 percent dead Maërl	Dive
IE000268_T168.1	132010	216547	End Point	End Point	Sand	Other		Dive
IE000268_T169	132361	216311	132348	216278	Gravel	Other	With cobbles and gravel	Dive
IE000268_T169.1	132348	216278	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead with mussel bed	Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268_T170	131571	216566	131810	216841	Maërl Living	Maërl Living	100 percent live Maërl, good Maërl bed	Dive
IE000268_T170.1	131810	216841	End Point	End Point	Sand	Other	With 30 percent cover of dead Maërl	Dive
IE000268_T171	125719	218339	125735	218399	Sand	Other	Banded sand with cobbles	Dive
IE000268_T171.1	125735	218399	End Point	End Point	Kelp	Other	With rock	Dive
IE000268_T172	125932	218848	126107	218972	Cobbles	Other	With boulders, cobbles and sponges	Dive
IE000268_T172.1	126107	218972	End Point	End Point	Cobbles	Other	With large boulders and sand	Dive
IE000268_T173	126524	218651	126528	218498	Sand	Other		Dive
IE000268_T173.1	126528	218498	End Point	End Point	Cobbles	Other	With boulders dead and live Maërl	Dive
IE000268_T174	126736	218734	126758	218601	Sand	Other		Dive
IE000268_T174.1	126758	218601	End Point	End Point	Cobbles	Other	With sand and boulders	Dive
IE000268_T175	127030	218632	127049	218589	Cobbles	Other	And sand	Dive
IE000268_T175.1	127049	218589	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE000268_T176	127348	218674	127326	218704	Maërl Living & Dead	Maërl Living & Dead	50 percent cover of Maërl on sand 50 percent live 50 percent dead Maërl	Dive
IE000268_T176.1	127326	218704	End Point	End Point	Cobbles	Other	With boulders	Dive
IE000268_T177	127595	218818	127509	218985	Maërl Living	Maërl Living	90 percent cover of live Maërl	Dive
IE000268_T177.1	127509	218985	End Point	End Point	Sand	Other	10 percent cover of live Maërl	Dive
IE000268_T178	127796	219190	127707	219180	Maërl Living	Maërl Living	90 percent live 10 percent dead Maërl	Dive
IE000268_T178.1	127707	219180	End Point	End Point	Sand	Other	10 percent live Maërl on sand	Dive
IE000268_T179	128307	219358	End Point	End Point	Maërl Living	Maërl Living	Spot dive boundary of bed with sand at this position	Dive
IE000268_T180	128043	219295	128038	219296	Sand	Other	Boundary with Maërl at this position	Dive
IE000268_T180.1	128038	219296	End Point	End Point	Maërl Living	Maërl Living	Boundary with sand/macroalgae at this position	Dive
IE000268_T181	128645	219585	128648	219739	Maërl Living	Maërl Living	90 percent cover with cobbles	Dive
IE000268_T181.1	128648	219739	End Point	End Point	Sand	Other		Dive
IE000268_T182	129022	219754	129044	219870	Maërl Living	Maërl Living	90 percent thin cover of Maërl on sand	Dive
IE000268_T182.1	129044	219870	End Point	End Point	Maërl Living	Maërl Living	30 percent Maërl on sand in patches	Dive
IE000268_T183	129416	219686	129330	219842	Maërl Living	Maërl Living	80 percent Maërl 20 percent cobbles	Dive
IE000268_T183.1	129330	219842	End Point	End Point	Sand	Other		Dive
IE000268_T184	129704	219880	129672	219880	Maërl Living & Dead	Maërl Living & Dead	80 percent Maërl cover on sand 50 percent live 50 percent dead	Dive
IE000268_T184.1	129672	219880	End Point	End Point	Sand	Other		Dive
IE000268_T185	129943	219986	129938	219938	Sand	Other		Dive

IE000268 T185.1	129938	219938	End Point	End Point	Maërl Living	Maërl Living	80 percent Maërl cover on sand	Dive
IE000268 T186	130158	220026	End Point	End Point	Sand	Other	Spot dive	Dive
IE000268 T187	130020	220078	End Point	End Point	Sand	Other	Spot dive	Dive
IE000268 T188	129866	220107	End Point	End Point	Sand	Other	Spot dive	Dive
IE000268 T189	129221	219340	129034	219173	Kelp	Other	With rock	Scope
IE000268 T189.1	129034	219173	End Point	End Point	Kelp	Other	With rock	Scope
IE000268 T190	128533	218721	128362	218962	Maërl Living	Maërl Living	70 percent Maërl cover with cobble	Dive
IE000268 T190.1	128362	218962	End Point	End Point	Maërl Living	Maërl Living	30 percent Maërl cover with cobbles	Dive
IE000268 T191	128196	219016	127952	218913	Maërl Living & Dead	Maërl Living & Dead	With cobbles	Dive
IE000268 T191.1	127952	218913	End Point	End Point	Maërl Dead	Maërl Dead	With cobbles 50 percent Maërl cover	Dive
IE000268 T192	127779	218769	127783	219013	Cobbles	Other	With sand and 20 percent live Maërl	Dive
IE000268 T192.1	127783	219013	End Point	End Point	Sand	Other	Spot dive, coarse sand	Dive
IE000268 T193	128613	219089	End Point	End Point	Kelp	Other	Spot dive, coarse sand	Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T194	128851	218911	End Point	End Point	Maërl Living	Maërl Living	Spot dive	Dive
IE000268 T195	129355	220570	129269	220730	Sand	Other	With cobbles	Dive
IE000268 T195.1	129269	220730	End Point	End Point	Sand	Other	With cobbles and some kelp	Dive
IE000268 T196	128663	220783	128810	220761	Sand	Other	Coarse sand and boulders	Dive
IE000268 T196.1	128810	220761	End Point	End Point	Sand	Other	With cobbles and boulders	Dive
IE000268 T197	130293	221548	130061	221325	Cobbles	Other	10 percent Maërl cover 50 percent live 50 percent dead Maërl	Dive
IE000268 T197.1	130061	221325	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent dead 40 percent live Maërl on mud banded	Dive
IE000268 T198	129502	221054	129677	221158	Maërl Living & Dead	Maërl Living & Dead	Patchy 50 percent dead 50 percent live Maërl with gravel and mud thin covering	Dive
IE000268 T198.1	129677	221158	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead		Dive
IE000268 T199	129583	221660	129742	221606	Mud	Other	With broken shell/gravel and macroalgae	Dive
IE000268 T199.1	129742	221606	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent cover anemones	Dive
IE000268 T200	129054	221450	129187	221266	Sand	Other	With boulders first then sand/shell	Dive
IE000268 T200.1	129187	221266	End Point	End Point	Sand	Other	With reef sand and shell	Dive
IE000268 T201	129261	220846	129385	220849	Cobbles	Other	With boulders 40 percent cover live Maërl thin covering	Dive
IE000268 T201.1	129385	220849	End Point	End Point	Cobbles	Other	With boulders, cobbles 40 percent thin cover of live Maërl	Dive
IE000268 T202	129642	220706	129724	221011	Cobbles	Other	With sand gravel and macroalgae	Dive
IE000268 T202.1	129724	221011	End Point	End Point	Cobbles	Other	With sand and gravel	Dive
IE000268 T203	129924	221204	129934	221207	Sand	Other	Sand/gravel banded with 5 percent dead Maërl	Dive
IE000268 T203.1	129934	221207	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent live 40 percent dead Maërl	Dive
IE000268 T204	130314	221241	130263	221373	Cobbles	Other	With sand/gravel and macroalgae	Dive
IE000268 T204.1	130263	221373	End Point	End Point	Cobbles	Other	With sand/gravel and macroalgae	Dive
IE000268 T205	130193	221920	130246	221853	Mud	Other		Dive



IE000268 T205.1	130246	221853	End Point	End Point	Mud	Other	With 30 percent dead Maërl	Dive
IE000268 T206	130522	221819	130620	221727	Sand	Other	With <i>Ensis</i> sp. shells	Dive
IE000268 T206.1	130620	221727	End Point	End Point	Sand	Other	With <i>Ensis</i> sp. shells	Dive
IE000268 T207	130065	221646	130083	221541	Sand	Other		Dive
IE000268 T207.1	130083	221541	End Point	End Point	Sand	Other	With gravel	Dive
IE000268 T208	130397	219758	130278	219839	Cobbles	Other		Dive
IE000268 T208.1	130278	219839	End Point	End Point	Maërl Living & Dead	Maërl Living & Dead	60 percent cover of 60 percent dead 40 percent live Maërl	Dive
IE000268 T209	129570	219504	129593	219626	Kelp	Other	With sand	Dive
IE000268 T209.1	129593	219626	End Point	End Point	Sand	Other	40 percent covering of live Maërl on sand	Dive
IE000268 T210	130008	219656	130008	219753	Sand	Other		Dive
IE000268 T210.1	130008	219753	End Point	End Point	Maërl Living	Maërl Living	Thin covering of live Maërl on sand	Dive
IE000268 T211	130194	220108	130182	219949	Sand	Other	With 5 percent covering of live Maërl	Dive
IE000268 T211.1	130182	219949	End Point	End Point	Maërl Living	Maërl Living	70 percent covering of live Maërl on sand	Dive
IE000268 T212	130787	219980	130780	219958	Maërl Living	Maërl Living	90 percent cover of live Maërl on sand	Dive
IE000268 T212.1	130780	219958	End Point	End Point	Sand	Other		Dive
Site ID	Start Easting	Start Northing	End Easting	End Northing	Code 1	Code 2	Notes	Transect type
IE000268 T213	130756	220361	130840	220398	Maërl Living & Dead	Maërl Living & Dead	70 percent dead 30 percent live Maërl , thin cover	Dive
IE000268 T213.1	130840	220398	End Point	End Point	Sand	Other	With 30 percent cover dead Maërl	Dive
IE000268 T214	131368	220214	131814	220223	Maërl Living & Dead	Maërl Living & Dead	70 percent live 30 percent dead Maërl	Dive
IE000268 T214.1	131814	220223	131940	220277	Maërl Living & Dead	Maërl Living & Dead	50 percent live 50 percent dead Maërl	Dive
IE000268 T214.2	131940	220277	End Point	End Point	Sand	Other	With shell and macroalgae	Dive
IE000268 T215	132168	220646	132345	220690	Maërl Living & Dead	Maërl Living & Dead	90 percent dead 10 percent live Maërl 5-6 in deep	Dive
IE000268 T215.1	132345	220690	End Point	End Point	Rock	Other	With kelp and sand	Dive
IE000268 T216	132495	220475	132676	220428	Maërl Living & Dead	Maërl Living & Dead	90 percent dead 10 percent live Maërl thick cover	Dive
IE000268 T216.1	132676	220428	End Point	End Point	Sand	Other	With 30 percent dead Maërl thin scattering	Dive
IE000268 T217	133368	220564	133645	220593	Mud	Other		Dive
IE000268 T217.1	133645	220593	End Point	End Point	Mud	Other		Dive
IE000268 T218	131576	220589	131839	220802	Maërl Living & Dead	Maërl Living & Dead	90 percent dead 10 percent live Maërl 3-4 inch thick	Dive
IE000268 T218.1	131839	220802	End Point	End Point	Sand	Other	30 percent dead Maërl fragments with macroalgae and shell	Dive
IE000268 T219	131171	220964	131244	220994	Maërl Living	Maërl Living	60 percent live Maërl on gravel thin cover	Dive
IE000268 T219.1	131244	220994	End Point	End Point	Rock	Other	With gravel and kelp and 5 percent live Maërl	Dive
IE000268 T220	131176	220661	130599	220563	Maërl Living & Dead	Maërl Living & Dead	90 percent dead 10 percent live Maërl	Dive

							thinning along transect	
IE000268 T220.1	130599	220563	End Point	End Point	Sand	Other		Dive
IE000268 T221	130596	220881	End Point	End Point	Maërl Living	Maërl Living	Spot dive 80 percent thin cover of Maërl	Dive
IE000268 T222	130243	220836	130425	220894	Sand	Other	With gravel and 10 percent covering of live Maërl	Dive
IE000268 T222.1	130425	220894	End Point	End Point	Maërl Living	Maërl Living	70 percent live Maërl, thin cover on sand, gravel and cobbles	Dive
IE000268 T223	130811	221100	130828	221140	Maërl Dead	Maërl Dead	Dead Maërl mixed in kelp	Dive
IE000268 T223.1	130828	221140	End Point	End Point	Kelp	Other	With gravel	Dive
IE000268 T224	130570	221088	130602	221028	Sand	Other	With gravel and 10 percent cover scattering of live Maërl	Dive
IE000268 T224.1	130602	221028	End Point	End Point	Maërl Living	Maërl Living	50 percent thin cover	Dive
IE000268 T225	130389	220328	130439	220250	Sand	Other	20 percent live Maërl	Dive
IE000268 T225.1	130439	220250	End Point	End Point	Maërl Dead	Maërl Dead	50 percent thin cover of dead Maërl	Dive