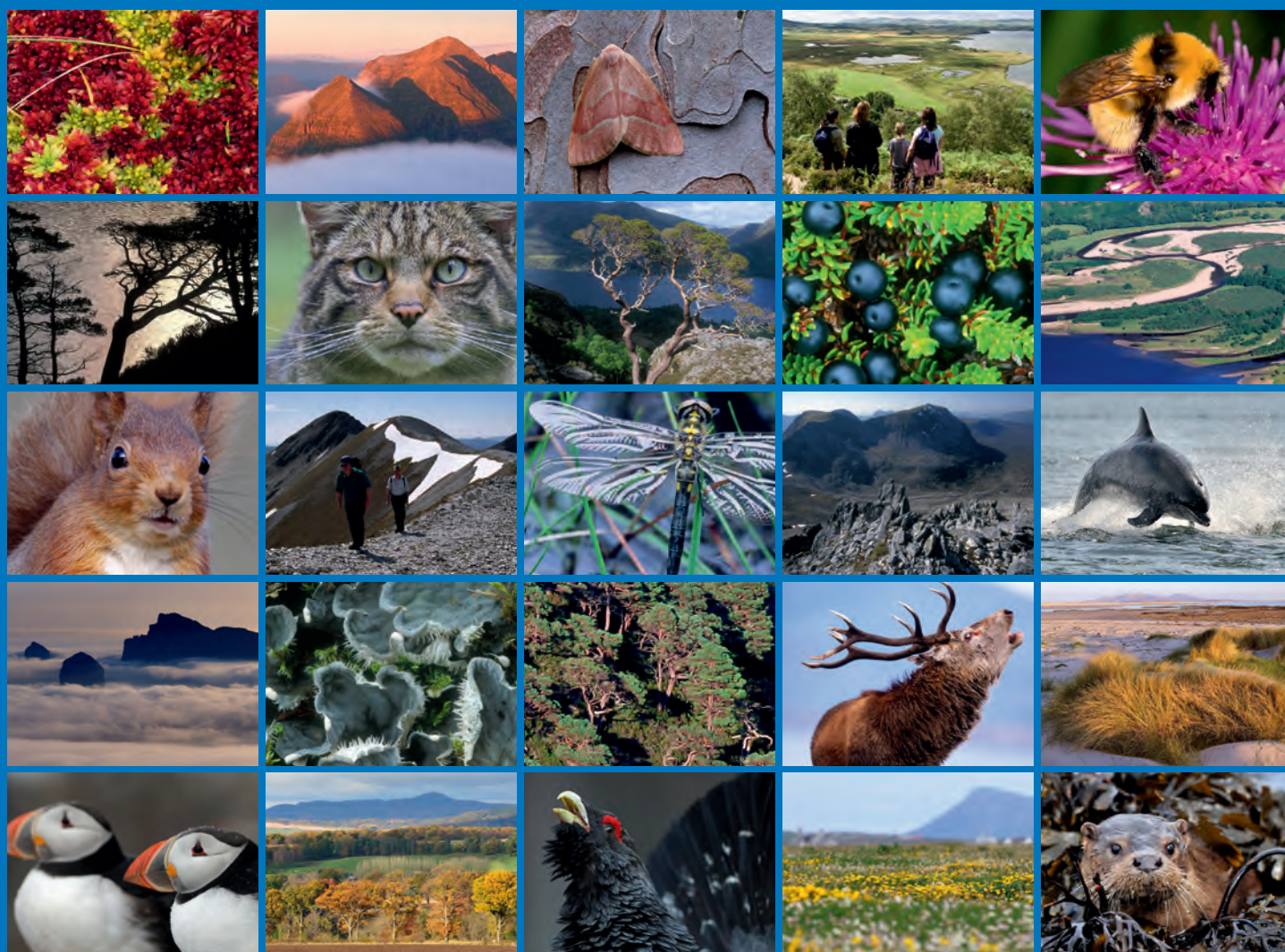


Marine biological survey to establish the distribution of Priority Marine Features within the Clyde Sea area





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COMMISSIONED REPORT

Commissioned Report No. 437

Marine biological survey to establish the distribution of Priority Marine Features within the Clyde Sea area

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COMMISSIONED REPORT

Summary

Marine biological survey to establish the distribution of Priority Marine Features within the Clyde Sea area

Commissioned Report No.: 437

Project no: 013059

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Background

Scottish Natural Heritage (SNH) and the Joint Nature Conservation Committee (JNCC) have generated a draft list of important habitats and species in Scottish waters in order to help guide the selection of Nature Conservation Marine Protected Areas (MPAs). A number of ongoing research projects are collating existing data on the distribution of Priority Marine Features (PMFs). A programme of new survey work began in 2010 to validate the continued presence of PMFs and to supplement existing records. The main objective of this study was to initiate a broad scale validation survey of historic PMF records within the Clyde Sea area, examining their distribution, extent, quality and health, and to conduct detailed assessments of discrete features where appropriate. In addition, regions for which there were few or no data (e.g. Kilbrannan Sound and the outer Firth of Clyde) were also targeted in order to identify any new PMFs and to achieve a broad coverage of the Clyde Sea area. A range of methods were employed, including drop-down camera surveys, sediment grab sampling and scientific diving.

Main findings

- A total of ten PMF components were observed within the Clyde Sea survey area, all of which are also MPA search features. This included biotope components of burrowed mud, horse mussel beds, maerl beds and kelp and seaweed communities. Of these the burrowed mud component biotope **SS.SMu.CFiMu.Spnmeg** was the most extensive with its distribution throughout Loch Fyne; Firth of Clyde; Kyles of Bute; Lochs Riddon, Striven, Goil and Long; and Holy Loch and Gareloch. The **Spnmeg** biotope was predominately characterised by the slender seapen *Virgularia mirabilis*.
- Other PMF/MPA search features observed include the northern feather star aggregations on mixed substrata. This species was seen at only one location, located in lower Loch Fyne in very low numbers (1-9 per 100m²). In addition the presence of several discrete *Limaria hians* nests were confirmed to the south of Inchmarnock.
- The final MPA search feature present was the large scale feature, shelf deeps which was present in part of Loch Fyne as well as the Kibrannan Sound and Firth of Clyde.
- The ocean quahog, *Arctica islandica* was also observed but only as individuals, within infaunal samples and not as aggregations.

- The distribution of PMFs observed in 2010 were compared to their historic records within the Clyde Sea. Although there was a broad agreement, some features did not occur as expected. Flame shell beds, ocean quahog aggregations and horse mussel beds were observed from fewer locations than was expected from their historic distribution data. Three PMFs were not observed at all - seagrass beds, fan mussel aggregations and inshore deep mud with burrowing heart urchins, although this may be due to different sampling equipment and a discrepancy in the positions of the historic locations and those sampled during this survey.
- In addition to the PMFs, a large range of biotopes were found in the Clyde Sea area. A total of 67 biotopes and sub-biotopes were observed from all sampling methods with circalittoral soft sediment habitats being the most common.
- Macrofaunal analysis of grab samples collected by Seastar Survey revealed a total of 2749 individuals from 677 taxa, dominated by Annelida and Mollusca. The majority of grab samples were characteristic of the **SS.SMu.CSaMu** biotope complex, with the sub-biotopes **AfilMysAnit** and **LkorPpel** most common.
- Further survey work is recommended to focus on smaller areas of interest within the 2010 survey boundary; Upper Loch Fyne, the Otter Narrows, Inchmarnock Island, the Kyles of Bute, Loch Striven and Upper Loch Long. In addition the Kilbrannan Sound and Firth of Clyde need additional sampling to determine the presence of PMFs.

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Dedication

We would like to dedicate this report to Dr Maia Strachan who, together with her brother Captain Michael Strachan, were tragically killed in a car accident on 17 November 2010. Maia joined Seastar Survey Ltd in the summer of 2010 and quickly became a key member of staff as a result of her wide-ranging knowledge, positive attitude and ability to easily fit into a team. As a result, together with the fact that she knew the Clyde Sea area very well, she became the survey team leader for this study making extremely good progress on a challenging project. Maia would undoubtedly have gone on to play a central and important role at Seastar Survey Ltd. and she is, and will continue to be, very sadly missed by us all.

1. INTRODUCTION

1.1 Project background

The Marine (Scotland) Act 2010 provides a framework to help balance competing demands on the marine environment, integrating the economic growth of industry with the need to protect Scotland's seas. Where necessary, suitable conservation measures may be implemented at the wider seas level (e.g. through marine planning); targeted at specific species (e.g. improved protection for seals); or delivered within key locations (e.g. through the identification of new Marine Protected Areas - MPAs).

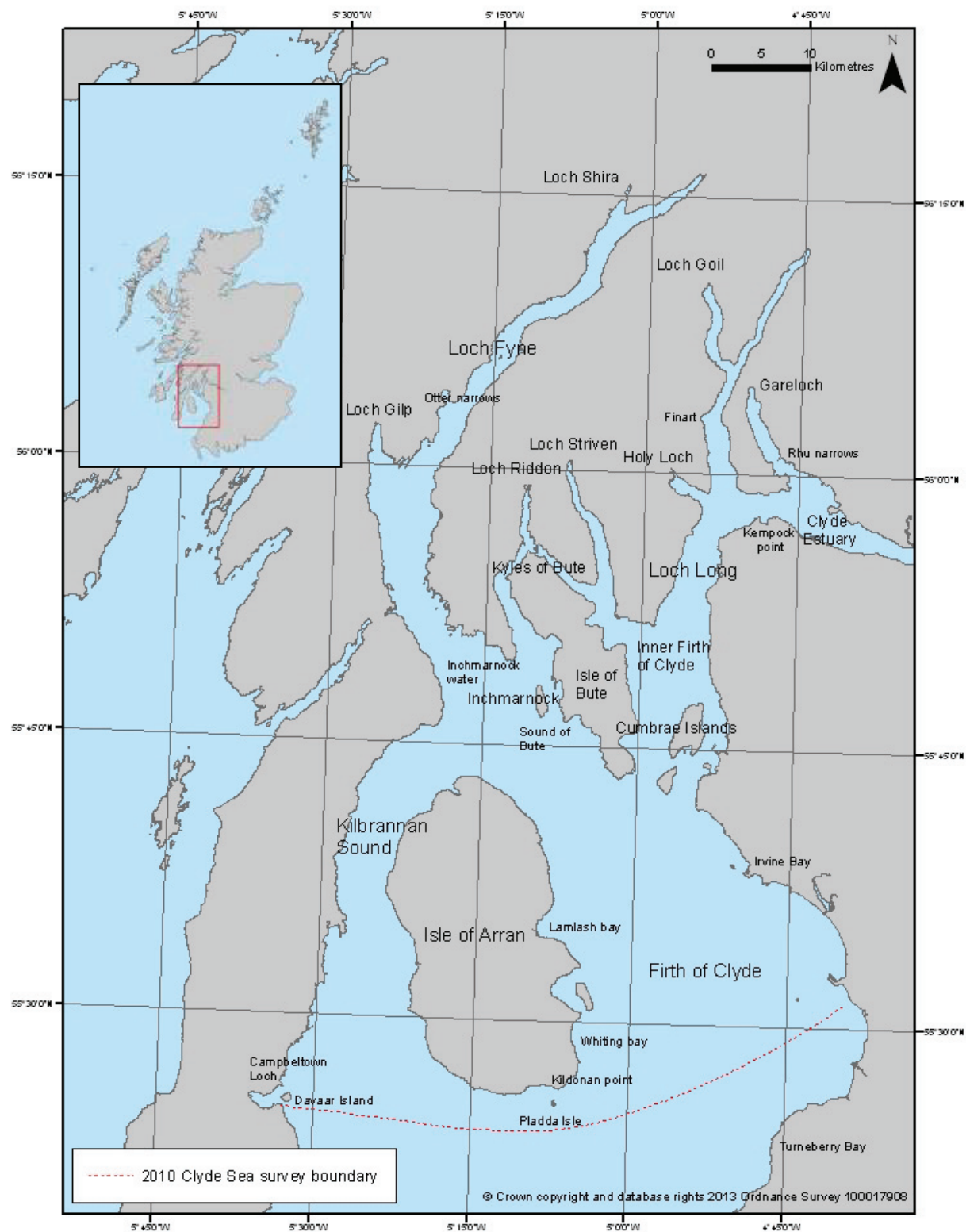
To help target nature conservation action under each of the three pillars outlined in the Scottish Marine Nature Conservation Strategy, Scottish Natural Heritage (SNH) and the Joint Nature Conservation Committee (JNCC) have generated a focused draft list of habitats and species of importance in Scottish waters - the Priority Marine Features (PMFs). A number of research projects are collating existing data on the distribution of PMFs within Scotland's marine environment. In addition, new survey work is being undertaken to supplement these existing records of PMFs and validating their continued presence.

Provisions under this new legislation will enable the establishment of an ecologically coherent network of well-managed MPAs. The MPA network in Scottish waters will comprise existing protected areas, primarily European Marine Sites (i.e. Special Areas of Conservation - SACs and Special Protection Areas - SPAs), areas subject to other types of spatial management as well as new MPAs. The 2010 Act includes provisions to designate MPAs for the following purposes:

- Nature Conservation MPAs (for biodiversity and geodiversity features)
- Demonstration/ Research MPAs
- Historic MPAs

Seastar Survey Ltd. was contracted by SNH to conduct a marine biological survey to establish the presence of PMFs within the Clyde Sea area (Figure 1). The main objective of the survey was to design and initiate a broad scale validation survey of historic PMF records examining their distribution, extent, and quality, and to conduct detailed assessments of discrete features where appropriate. In addition, regions for which there are limited or no data (e.g. Kilbrannan Sound and the outer Firth of Clyde to the east of Arran) were also targeted to ascertain the presence of any PMFs and to support and to achieve representative geographical coverage. Those areas known to support records of multiple PMF presence (e.g. Loch Fyne) were accorded a higher intensity of sampling. The survey used a combination of stratified, random and targeted sampling, employing remote drop-down video camera system, sediment grab sampling and *in situ* scuba diving methodologies (c.f. Marine Monitoring Handbook – Davies *et al.*, 2001).

Figure 1. The 2010 Clyde Sea Priority Marine Feature broad survey area



1.2 The Clyde Sea

The Clyde Sea area comprises the sea channels around the Island of Arran and the connected sea lochs to the north. Two deep channels, the Firth of Clyde and Kilbrannan Sound, run either side of Arran, joining to the north of the island in the Bute Sound and Inchmarnock Water. The area to the north of Arran is referred to as the inner Clyde Sea, and includes the Kyles of Bute and several sea lochs. The seven main sea lochs in this area are Loch Riddon, Loch Striven, Loch Long, Loch Goil, Holy Loch, Gareloch and Loch Fyne (see Figure 1).

1.2.1 Geology and sedimentary environment

Hard substrata are abundant on the sides of the lochs. Lochs Long, Goil and Striven contain steep shores leading to an intertidal zone of bedrock and boulders with occasional patches of smaller stones. Lochs Goil and Long have cliff faces and boulder slopes down to depths of 40 m. Steep rocky outcrops are present in Loch Riddon and the northern region of the Kyles of Bute (Holt and Davies, 1991). Bedrock is absent from Holy Loch and Gareloch. The intertidal zone of upper Loch Fyne is composed mainly of bedrock or boulders. Lower Loch Fyne reportedly contains a 'U-shaped valley' with smaller valleys entering it from the edges of the loch. The walls of this valley are made from steep and vertical bedrock at depths from 25 m to 150 m (Davies, 1989).

The Clyde Sea subtidal region is principally sedimentary consisting of fine grain mud. Large expanses of mud are present within the deep water regions around Arran and in the deeper basins of the lochs (Wilding *et al.*, 2005). In general, the shallower sea bed within the Clyde sea lochs consist of muddy gravel with the deeper areas containing mud or muddy-sand (Holt and Davies, 1991). The inner Clyde Sea area is very sheltered and there is no real gradient in the shore environments. The littoral zones of Gareloch and Holy Loch consist of cobbles, pebbles and strewn boulders leading to sublittoral zones of mixed sediments. Loch Fyne is steep-sided with sills at Minard and Otter Ferry. Sediment shores are present but are restricted to the upper regions of the Loch. The majority of the sea floor of Loch Fyne is generally mixed sediment composed of muddy-gravel and cobbles (Argyll and Bute Council, 2009). The lower regions of Loch Fyne consist of mud in deep water, whilst the upper regions of the loch contain hard substrata (Wilding *et al.*, 2005).

The Clyde estuary (the inner Firth of Clyde) consists of large mud flats (Perkins, 1981). There is a deep narrow muddy trough that extends down to the Cumbrae Islands. The Cumbraes generally have rocky shores in the north and sandy shores in the south. The sublittoral region is predominantly sandy gravel, with the deeper sea bed composed of sandy mud (Wilding *et al.*, 2005). Large expanses of sand are present along the Ayrshire coast and around Bute (Wilding *et al.*, 2005). The Ayrshire coast is a relatively exposed shallow shelved sandy coastline. Sand dunes are present at Turnberry Bay, a Site of Special Scientific Interest (SSSI). Subtidally, the sea bed of the Ayrshire coast consists mainly of mud and muddy-sand, with the proportion of sand to mud increasing nearer the shore. Irvine Bay is relatively exposed with a subtidal environment consisting of fine sands containing shell fragments and silt (Wilding *et al.*, 2005). The sediment of the Arran coastline ranges from mud to sand, cobbles and bedrock. The southern coast of Arran consists of rocky shores. The sublittoral zone of the Arran Basin consists of mainly coarse sediment in the coastal regions to muddy sediments in the deeper waters (Wilding *et al.*, 2005). The shores around Campbeltown Loch are composed of raised beaches and cliffs. West of Davaar Island there is an expanse of littoral sands. Campbeltown Loch has a subtidal region consisting mainly of sandstone and gravel (Wilding *et al.*, 2005).

1.2.2 The physical environment

The Arran Basin is split from the North Channel by a broad sill called the Barrie Plateau, and consists of two deep channels, the Kilbrannan Sound and the Firth of Clyde. These two channels, which equate to the shelf deeps large scale MPA search feature, pass either side of the Isle of Arran, and reach a maximum depth of approximately 160 m. North of the Arran Basin the Clyde Sea separates into a series of sea lochs (Wilding *et al.*, 2005). Loch Fyne is the longest and deepest of Scotland's sea lochs with a length of 70 km and a maximum depth of 185 m (Argyll and Bute Council, 2009). Upper Loch Fyne is separated into two distinct basins by a sill at Minard, whilst the lower region of the loch is separated from the upper by a sill at the Otter Narrows (Davies, 1989). The lower region of Loch Fyne is continuous with the deeper waters from the Arran Basin. Loch Long is the second largest loch in the Clyde area, and also has two sills. The first is at the head of the loch near Finart and the second is at the mouth of the loch. Loch Goil branches off half way down Loch Long. It is a relatively short loch with one sill present at the mouth, which acts to separate its deep basin waters from Loch Long. Gareloch is quite shallow, although there is a sill present around the Rhu Narrows. Lochs Riddon and Striven have been classified as estuarine (Milne, 1972) due to the absence of shallow sills at their mouths. Holy Loch is the smallest of the Clyde sea lochs and is rectangular in shape (Holt and Davies, 1991). Table 1 shows a summary of the bathymetric data for the sea lochs in the Clyde Sea area.

Table 1. A summary of the bathymetry of the Clyde Sea area (adapted from Holt and Davies, 1991)

	Loch Riddon	Loch Striven	Loch Goil	Loch Long	Holy Loch	Gareloch	Loch Fyne
Length (km)	5.3	12.9	8.0	26.9	3.9	9.5	70
Maximum depth (m)	44	69	86	97	31	64	185
Coastline length (km)	81	34	23	60	16	31	203
Percentage intertidal	53	4	4	6	31	9	-
No. of sills	0	0	1	2	0	2	-
Depth of sills (m)	-	-	16	57 & 38	-	11 & 14	-
Depth of basins (m)	-	-	86	97 & 60	-	22 & 49	-
Catchment area (km²)	110	80	107	166	191	51	698.8
Flushing time (days)	3	12	9	6	3	5	14

The tidal currents of the Clyde Sea area are primarily weak (Wilding *et al.*, 2005). Strong currents are only found on the western side of Loch Fyne and in the Otter Narrows, where the flow rates can reach 1.1 knots (Davies, 1989; Argyll and Bute Council, 2009). The tidal streams in Loch Long can reach up to 0.75 knots at the entrance, but are weaker towards the head of the loch. In Loch Goil and Gareloch the tidal currents are almost undetectable, with exception of the Rhu Narrows in Gareloch where flow rates may reach 1.7 knots (Holt and Davies, 1991). Within the Arran Basin the deep channels have little or no tidal action (Moore, 1931) and are exposed to seasonal thermoclines. The deeper waters of the sea lochs also have the tendency to stagnate over the summer months (Wilding *et al.*, 2005).

The sea lochs of the Clyde Sea are generally very well sheltered and are only exposed to short waves during very turbulent weather. The Kintyre peninsula and the Isle of Bute

shelter the northern Firth of Clyde sea lochs from wave exposure. However, winds can be channelled up the Clyde estuary and north winds are funnelled down Lochs Fyne and Long.

1.3 Priority Marine Features in the Clyde Sea area

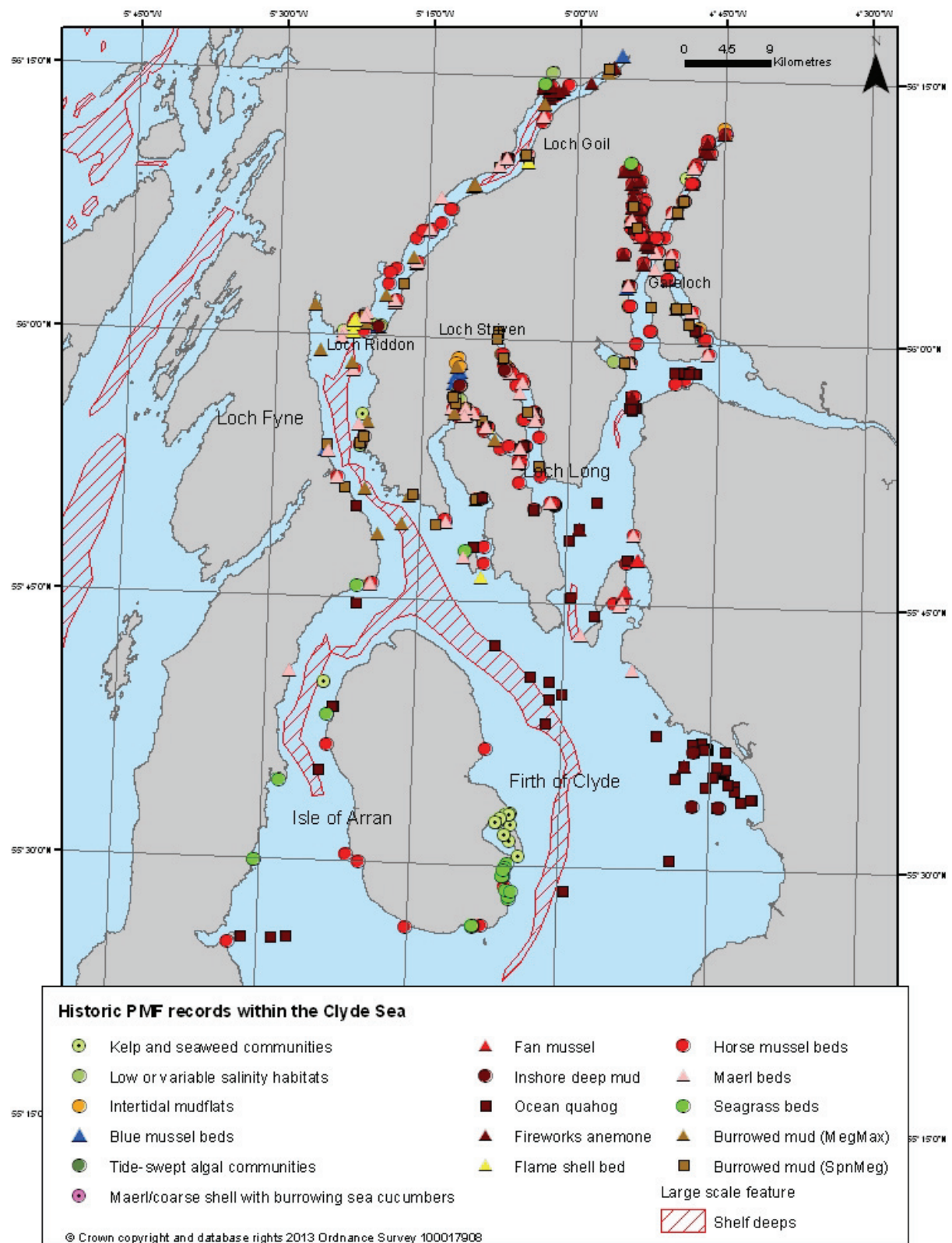
SNH and JNCC have drafted a list of PMFs from Scottish waters. This project focused on a prioritised group of these features, as highlighted later in this section. A summary of the historical distribution of all PMFs from previous studies can be seen in Table 2 and Figure 2. The historic records illustrated on Figure 2 are derived from version 1 of the PMF geodatabase (GeMS) and details data collected from surveys that occurred in the Clyde Sea area between 1991 and 2009.

Table 2 Surveys recording the presence of PMFs before 2010 within the Clyde Sea

PMF/ MPA search feature recorded	Year	Survey name
Fan mussel	1764 -1969	Scottish <i>Pinna (Atrina) fragilis</i> records
Ocean quahog	1899	Fauna of the Clyde sea area: Mollusca
Blue mussel beds, seagrass bed (Zmar), low or variable salinity habitats, intertidal mudflats	1978-1979	PCT Clyde Sea littoral survey
Blue mussel beds, intertidal mudflats	1982	University of Stirling Ruel Estuary (Loch Riddon) littoral survey
Blue mussel beds, burrowed mud (MegMax , SpnMeg , fireworks anemone), maerl or coarse shell gravel with burrowing sea cucumbers, maerl bed, kelp and seaweed communities on sublittoral sediment, horse mussel bed (ModCvar), flame shell bed	1988-1990	University Marine Biological Station Millport (UMBSM) Loch Fyne survey
Blue mussel beds, burrowed mud (SpenMeg , MegMax , fireworks anemone), ocean quahog, seagrass bed (Znol), maerl bed, low or variable salinity habitats, kelp and seaweed communities on sublittoral sediment, inshore deep mud with burrowing heart urchins, horse mussel bed (ModHAs , ModT)	1989	University Marine Biological Station Millport (UMBSM) northern Firth of Clyde sealochs survey
Ocean quahog	1989	Irvine Bay Scottish Environment Protection Agency (SEPA) benthic grab survey
Ocean quahog	1992	Ironotter Point Scottish Environmental Protection Agency (SEPA) benthos Survey
Ocean quahog	1992	Irvine Bay Scottish Environmental Protection Agency (SEPA) benthic grab survey
Burrowed mud (fireworks anemone)	1996	North Sea and Celtic Seas CEFAS 2m beam trawl surveys (Cir.6/96)

PMF/ MPA search feature recorded	Year	Survey name
Ocean quahog	1998	Ironotter Point Environmental Protection Agency (SEPA) benthos Survey
Ocean quahog	1998	Irvine Bay Environmental Protection Agency (SEPA) benthic grab survey
Ocean quahog	2000	Garroch Head Environmental Protection Agency (SEPA) benthic Survey
Burrowed mud (fireworks anemone)	2001-2002	Seasearch Loch Goil
Ocean quahog, heart urchin	2001-2002	FRS West Coast benthic trawl survey
Ocean quahog	2004	Kilbrannan Environmental Protection Agency (SEPA) benthic Survey
Ocean quahog, burrowed mud (fireworks anemone)	2004	Seasearch Survey Loch Long and Loch Goil, Argyll & Bute
Ocean quahog, burrowed mud (fireworks anemone)	2005	NMMP SEPA benthic Survey
Ocean quahog	2005	Inverclyde Environmental Protection Agency (SEPA)benthic Survey
Burrowed mud (fireworks anemone)	2005	Seasearch Loch Long - various
Burrowed mud (fireworks anemone)	2005	Seasearch Loch Shira fireworks anemone Survey
Ocean quahog	2006	NMMP Environmental Protection Agency (SEPA) benthic Survey
Burrowed mud (fireworks anemone)	2006	Seasearch Loch Long & Loch Goil various
Ocean quahog	2006	Seasearch Loch Fyne
Ocean quahog, maerl bed	2007	Seasearch Loch Fyne
Northern sea fan, kelp and seaweed communities on sublittoral sediment, burrowed mud (SpnMeg , fireworks anemone)	2008	Seasearch Loch Fyne
Kelp and seaweed communities on sublittoral sediment	2008	Seasearch Arran
Maerl bed	2008	Lamlash Bay Habitat Mapping
Maerl bed, kelp and seaweed communities on sublittoral sediment	2009	Lamlash Bay Habitat Mapping
Burrowed mud (fireworks anemone)	2009	Seasearch Loch Long
Ocean quahog, kelp and seaweed communities on sublittoral sediment, flame shell bed, burrowed mud (fireworks anemone)	2009	Seasearch Loch Fyne
Maerl bed	2010	Lamlash Bay Monitoring

Figure 2. The distribution of historic sampling locations for PMFs in the Clyde Sea area (Data for historic records supplied by SNH). NB. Horse mussel records represent the presence of *Modiolus modiolus*, but not all of these records represent PMF habitats



1.3.1 Ocean quahog aggregations

The solitary ocean quahog, *Arctica islandica*, is a large bivalve with shell lengths reaching up to 12 cm, occurring in sandy-mud on low shores as well as in deeper waters (Yonge and Thompson, 1976). *Arctica islandica* is present throughout the Kyles of Bute and Loch Riddon, and has been described as the dominant species present in Loch Striven (Holt and Davies, 1991). The species is also widespread throughout Loch Long, Loch Goil, Holy Loch and Gareloch. There have also been several recordings of the species north of Kempock Point.

1.3.2 Fan mussel aggregations

The fan mussel, *Atrina fragilis*, is the largest British seashell with a shell length reaching 30 cm (SNH, 2010). *Atrina fragilis* lives partially buried in a variety of sediment types (mud, muddy/sand, gravel, clean sand) in sheltered regions of weak tidal strength (<1 knot). The pointed end of the valve remains buried in the sea bed whilst the wider valve end protrudes out of the sediment. The valves are unable to fully close and the upper region is always exposed to the surrounding water, providing a habitat for sessile organisms like barnacles, tubeworms and encrusting seaweeds and sponges (MarLIN, 2010; SNH, 2010). Fan mussel beds were once common off British coasts, but their population has diminished in recent years and therefore the extent of their distribution is unknown. In the Clyde Sea area *A. fragilis* has been recorded historically around the east coast of Arran and around the Cumbrae Islands.

1.3.3 Seagrass beds

Seagrass are rooted flowering plants that are present in the intertidal and shallow subtidal areas on sand and mud in the marine environment (Borum *et al.*, 2004; James, 2004). Three species of seagrass of the genus *Zostera* are present within UK waters. *Zostera noltii*, also known as dwarf eelgrass, forms dense beds on muddy sand in the intertidal zone (Borum *et al.*, 2004). The narrow-leaved eelgrass *Z. angustifolia* is found on the mid to lower shore. The largest of the UK seagrass species is *Z. marina*, which can be found in sublittoral regions as either small isolated strands or occurring in dense beds (Borum *et al.*, 2004).

Seagrass beds are protected under a range of national and international initiatives (James, 2004), and are listed in the UK Biodiversity Action Plan (UKBAP, 2010). Seagrass beds are classed as a priority habitat due to their ecological importance and the depletion in their populations. *Zostera* beds are included in the OSPAR list of 'Threatened and/or Declining Species and Habitats' (OSPAR, 2008).

Few *Zostera* habitats have been recorded in the Clyde Sea region although James (2004) mentions that *Z. noltii* is present south of Argyll on the west coast of Scotland. Moore (1931) reported widespread *Zostera* beds around Fairlie and Largs channel but these are no longer present. A bed of *Z. marina* has been recorded on the south coast of the Isle of Arran between Kildonan Point and Pladda Isle (Wilding *et al.*, 2005). A patchy seagrass bed has been reported from Whiting Bay on the east coast of Arran (COAST, 2005), with recent information suggesting the bed to be rather more extensive (COAST *per. comm.*, 2011).

1.3.4 Horse mussel beds

Beds of the horse mussel *Modiolus modiolus* are identified as biogenic reefs under the Habitats Directive (1992) description of reefs due to their associated fauna. A study of three sites on the west coast of Scotland identified almost 300 species of fauna and flora associated with *M. modiolus* beds (Mair *et al.*, 2000).

The four biotopes characterised by *Modiolus modiolus* that are found in the Clyde sea lochs are listed below (Connor *et al.*, 1997; Mair *et al.*, 2000), although the last of these is not assigned as a PMF.

- **SBR.SMus.ModT** *Modiolus modiolus* beds with hydroids and red seaweeds on tide-swept circalittoral mixed substrata
- **SBR.SMus.ModHAs** *Modiolus modiolus* beds with fine hydroids and large, solitary, ascidians on very sheltered circalittoral mixed substrata.
- **SBR.SMus.ModCvar** *Modiolus modiolus* beds with *Chlamys varia*, sponges hydroids and bryozoans on slightly tide-swept very sheltered circalittoral mixed substrata.
- **SMx.CMx.CIlloMx.ModHo** Sparse *Modiolus modiolus*, dense *Cerianthus lloydii* and burrowing holothurians on sheltered circalittoral stones and mixed sediment.

Moore and James (2010) detailed the distribution of the three PMF *M. modiolus* biotopes in the Clyde Sea area as follows:

- | | | |
|------------------|-----------|---|
| • ModT | Loch Long | Carraig nan Ron |
| • ModHAs | Loch Long | Below Cragon Hill |
| | Loch Goil | North east of Roinn Diomhain |
| | Loch Fyne | West of Kilbride Island (15.5 – 19.5 m) |
| • ModCvar | Loch Fyne | West of Kilbride Island (19.5 – 27.5 m) |

Modiolus modiolus are common in the shallower water around Arran, whilst extensive beds have also been recorded down to depths of 12 m within Holy Loch and Lochs Long and Goil (Wilding *et al.*, 2005), and at the north end of Cumbrae Island (Moore and James, 2010). *Modiolus modiolus* has also been recorded in Loch Riddon, Loch Striven, Loch Goil, Loch Long and Holy Loch (Holt and Davies, 1991).

1.3.5 Maerl beds

Maerl is the collective name for several coralline red algae including *Phymatolithon calcareum* and *Lithothamnium coralloides*. Maerl grows unattached and can form extensive beds in favourable conditions (i.e. in photic areas with strong water movements), and have a greater structural heterogeneity than adjacent substrata (Kamenos *et al.*, 2004). Maerl beds are of great conservation value due to their associated fauna. Maerl beds belong to the biotope **SS.SMp.Mrl** and their high biodiversity is one of the key characteristics of this biotope (Birkett *et al.*, 1998). In the Clyde Sea area a total of 662 species were recorded between 1996 and 1999 within maerl habitats, including 120 annelid species, 104 crustacean species, 138 mollusc species and 32 fish species (Barbera *et al.*, 2003). Pristine live maerl (PLM) is an important nursery ground for the commercially important queen scallop *Aequipecten opercularis* (Wilding *et al.*, 2005) and for other invertebrates including the soft clam *Mya arenaria*, the urchins *Psammechinus miliaris* and *Echinus esculentus* and the starfish *Asterias rubens* (Kamenos *et al.*, 2004). Physical disturbance can result in PLM being turned into impacted dead maerl (IDM). IDM forms habitats of its own, buried under a thin layer of pink, living maerl (Birkett *et al.*, 1998), but has a reduced biodiversity compared to PLM (Kamenos *et al.*, 2004).

Maerl is included within four different habitat types in Annex I of the directive: 'Sandbanks which are slightly covered by seawater at all times'; 'Large shallow inlets and bays'; 'Estuaries' and the priority habitat 'Lagoons' (UKBAP, 2010).

Maerl beds have been recorded within outer Lamlash Bay, Isle of Arran (see e.g. Axelsson *et al.*, 2009, 2010). These beds were under threat from continuous dredging (Wilding *et al.*, 2005) until a fishing No Take Zone (NTZ) was implemented in the northern part of Lamlash Bay (COAST, 2005). In regions of faster currents (around the Cumbrae Islands at Stravanan Bay and Tan Buoy) maerl beds are present that support an abundant and diverse associated fauna (Kamenos *et al.*, 2004). Within Loch Fyne, drifts of dead maerl gravel have been recorded off Skipness Point (Wilding *et al.*, 2005) and Craeg Cobhainn (Kamenos *et al.*, 2004), whilst live maerl beds are present around the Otter Spit Narrows (Moore and James, 2010). In the mouth of Loch Fyne at Ardlamont Point extensive maerl beds have been recorded (Hall-Spencer and Moore, 2000; Kamenos *et al.*, 2004). Further records of maerl have come from Loch Riddon, Loch Ruel and to the south of Bute (Moore and James, 2010).

1.3.6 Flame shell beds

Limaria hians, commonly known as the flame shell or the gaping file shell, is a nest building bivalve that can often be found in the tidal narrows of sea lochs. *Limaria hians* beds in tide-swept sublittoral muddy mixed sediment have the biotope code **SS.SMx.IMx.Lim**. *Limaria hians* is an active suspension feeder. The shell gapes on both sides, and there are distinct filamentous orange tentacles along the edge of the mantle that protrude from the shell at all times.

For protection *Limaria hians* produce nest like habitats on the surface of the sea bed by binding together surrounding material (shell, gravel, algae etc.) with secreted byssal threads (Hall-Spencer and Moore, 2000; Trigg and Moore, 2009). *Limaria* beds are hard to distinguish from the sea bed, especially when there is attachment of epifauna and flora. It is widely considered that *L. hians* beds should have greater conservation priorities due to the high biodiversity associated with them (Hall-Spencer and Moore, 2000; Trigg and Moore, 2009). Hall-Spencer and Moore (2000) recorded more than 280 taxa associated with only six *Limaria* nests in Loch Fyne. In February 2007 *L. hians* beds were listed as a UK Biodiversity Action Plan habitat. Extensive beds have been previously recorded in the Clyde, but it is believed these may have been destroyed as a consequence of fishing activities (Hall-Spencer and Moore, 2000). More recently *Limaria hians* beds have been recorded in the Otter narrows and Furnace regions in Loch Fyne (Howson and Davies, 1991). There are also *L. hians* beds at the mouth of Loch Fyne where they are associated with maerl beds (Hall-Spencer and Moore, 2000).

1.3.7 Burrowed mud habitats

Four MPA search features are found in areas of burrowed mud within the Clyde Sea:

- Seapens and burrowing megafauna in circalittoral fine mud
(**SS.SMu.CFiMu.SpnMeg**)
- Burrowing megafauna and *Maxmuelleria lankestri* in circalittoral mud
(**SS.SMu.CFiMu.MegMax**)
- Tall sea pen
(***Funiculina quadrangularis***)
- Fireworks anemone
(***Pachycerianthus multiplicatus***)

The biotope **SS.SMu.CFiMu.MegMax** has been principally recorded from two locations in Scotland – Loch Sween and in Loch Fyne within the Clyde Sea area. The **MegMax** biotope has been recorded as widespread throughout Loch Fyne, running from the mouth of the loch up to its northern end. The echiuran *Maxmuelleria lankestri* has been recorded in large

numbers forming 'mounds' in the mouth of Loch Shira and has also been recorded in the West Kyle (Howson and Davies, 1991).

The **SS.SMu.CFiMu.SpnMeg** biotope has an extensive distribution over the majority of the Clyde sea lochs, including Loch Fyne, Loch Long, Loch Goil, Holy Loch, Gareloch, Loch Striven and Loch Riddon, with other reports also from the Kyles of Bute (Howson and Davies, 1991; Moore and James, 2010). Seapens are not directly protected by legislation but are considered to be ecologically important.

Funiculina quadrangularis is the largest of the three sea pens that occur in British waters, and is only found on the west coast of Scotland (UKBAP, 2010). It is classified as a nationally uncommon species (Greathead *et al.*, 2007). *Funiculina quadrangularis* can reach lengths of 1.5 - 2.1 m, with one quarter of the total length embedded within the sediment (Greathead *et al.*, 2007). *Funiculina quadrangularis* is typically associated with the anemones *Cerianthus lloydii* and *Pachycerianthus multiplicatus*, the large isopod *Astacilla longicornis* and the burrowing megafaunal crustaceans *Nephrops norvegicus*, *Calocaris macandreae* and *Callinassa subterranea* (UKBAP, 2010). *Funiculina quadrangularis* is very sensitive to physical disturbance, with a very brittle axial rod and an inability to withdraw into the sediment for protection (Greathead *et al.*, 2007). There is a PMF sub-biotope of the 'Seapens and burrowing megafauna in circalittoral fine mud' that is characterised by the presence of *F. quadrangularis* (**SS.SMu.CFiMu.SpnMeg.Fun**). *Funiculina quadrangularis* has been recorded in small numbers to the south of Ailsa Craig in the Firth of Clyde.

The fireworks anemone *Pachycerianthus multiplicatus* is one of the largest anemones present in UK waters, reaching up to 30 cm in length, and lives in tubes up to 1 m in length (Seasearch, 2008). It has been suggested that *P. multiplicatus* is restricted to the **SS.SMu.CFiMu.SpnMeg** biotope (Plaza and Sanderson, 1997). Unusually high numbers of *P. multiplicatus* have been recorded in the upper regions of Loch Fyne, in particular within Loch Shira down to depths of 30 m (Howson and Davies, 1991; Seasearch, 2008) where the sediment slope is not as steep as other regions in Loch Fyne (Davies, 1989). *Pachycerianthus multiplicatus* has also been recorded in Loch Goil and Loch Long.

1.3.8 Inshore deep mud with burrowing heart urchin

Records of inshore deep mud with the burrowing heart urchin *Brissopsis lyrifera* and *Amphiura chiajei* in circalittoral mud (**SS.SMu.CFiMu.BlyrAchi**) are uncertain due to most identifications being based on surface observations and the characteristic fauna being infaunal. There has been mention of *Brissopsis lyrifera* and the associated brittlestar *Amphiura chiajei* being part of the deep mud communities of the Firth of Clyde but there are no official records of their presence in the Clyde Sea area (Pearson *et al.*, 1986, Moore and James, 2010). *Brissopsis lyrifera* was recorded in West Kyle by Holt and Davies (1991). An abundance of brittle stars (species not mentioned) have been recorded in the Otter Narrows, Loch Fyne. *Amphiura* spp. have also been recorded in Loch Riddon, Loch Striven, and Loch Goil (Holt and Davies, 1991).

1.4 Human uses of the Clyde Sea area

1.4.1 Fishing

The fishing industry in the Clyde is dominated by shellfish including queen scallops, *Aequipecten opercularis*, Norway lobsters, *Nephrops norvegicus* and king scallops, *Pecten maximus*. The majority of the fishing in the Clyde Sea area is by small boats (<15 m) trawling for the abundant *N. norvegicus*. It has been estimated that over a period of a year between 1998 and 1999 almost 70% of the mud substratum in the Clyde Sea area was trawled more than once (Bergmann *et al.*, 2002). Demersal fishing equipment (trawls and dredges) are responsible for the decline of benthic non-target species by catching/damaging individuals and/or by modifying their habitat structure (Bergmann *et al.*, 2002). High rates of by-catch have been attributed to *Nephrops* fisheries. Within the Clyde Sea alone 25,000 t yr⁻¹ of discards have been recorded which equates to 9kg per 1kg of *Nephrops* landed (Bergmann *et al.*, 2002). Scallop dredging has been identified as the main threat to maerl beds within the Clyde (Argyll and Bute Council, 2009), and it has been suggested that all the maerl in the Clyde Sea area is IDM (Kamenos *et al.*, 2004).

1.4.2 Military of Defence (MOD)

Faslane in Gareloch is the Royal Navy headquarters in Scotland, and is home to the United Kingdom's strategic nuclear deterrent. Coulport in Loch Long stores ammunition and processes and maintains the Trident Weapon System (Wilding *et al.*, 2005). The Royal Navy uses the sea lochs of the Clyde (such as Loch Goil) as a training ground, and there is an MOD exclusion area in Loch Fyne, south of Inveraray.

1.4.3 Oil and gas

There is no oil and gas development in the Clyde but there is an oil terminal at Finnart, Loch Long (Crumpton and Goodman, 1997; Wilding *et al.*, 2005).

1.4.4 Subsea cables

There are several subsea power cables present in Loch Fyne, extending from Newton to Port Ann. Two in-service subsea telephone cables run between St. Catherines and Inveraray. An out of service telephone cable runs from Port Ann to the north of Ardrishaig. There is an out of service subsea telecommunications cable that runs parallel to the shore from the Creggans to Newton. A trial cable crosses into Loch Shira and around Strone Point.

1.5 Current conservation measures in the Clyde Sea area

There are several conservation measures currently in place within the Clyde Sea area. Lamlash Bay on the Isle of Arran contains a fishing No Take Zone (NTZ). The Lamlash NTZ was established in 2008 and was the first NTZ established in Scotland's waters. The NTZ is managed by the Community of Arran Seabed Trust (COAST), a non-profit voluntary community group. The aim of the NTZ is to protect maerl beds and other seabed habitats, and to help regenerate fish and scallop populations in Lamlash Bay (COAST, 2005; Axelsson *et al.*, 2009, 2010).

Two further areas have also been identified for marine conservation purposes. These are an area around the Cumbrae Islands and an area of upper Loch Fyne (north of a line between Dalchenna Point and Creag a' Phuill and Loch Shira). These sites have been designated as non-statutory Marine Consultation Areas (MCA). The upper Loch Fyne area was identified as a MCA due to its dense populations of the fireworks anemone *Pachycerianthus*

multiplicatus and the sublittoral communities present are particularly characteristic of deep water sea lochs (Argyll and Bute Council, 2009). There is a voluntary agreement with the Clyde Fishermen's Association that trawling will not occur in depths shallower than 20 m on the east side of Loch Shira and in waters shallower than 50 m north of Dunderave Point at the head of Loch Fyne. These restrictions aim to protect the fireworks anemone *P. multiplicatus* in Loch Shira and wild fish interests off Dunderave Point. This is a verbal agreement at present and has yet to be formalised in writing. Although not designed as a conservation measure, the MOD activities act to restrict access to upper Loch Fyne and may incidentally help to protect the seabed from fishing. Argyll and Bute Council have initiated a local Biodiversity Action Plan, covering species and habitats such as *F. quadrangularis*, *A. fragilis*, maerl beds, horse mussel beds, seagrass and deep burrowed mud. More information on the Argyll and Bute Biodiversity Action Plan can be found at www.argyll-bute.gov.uk.uk/planning-and-environment/biodiversity.

2. METHODOLOGY

2.1 Clyde Sea 2010 Survey area

The Clyde Sea area was divided into three regions for surveying, which are detailed below and can be seen in Figure 3.

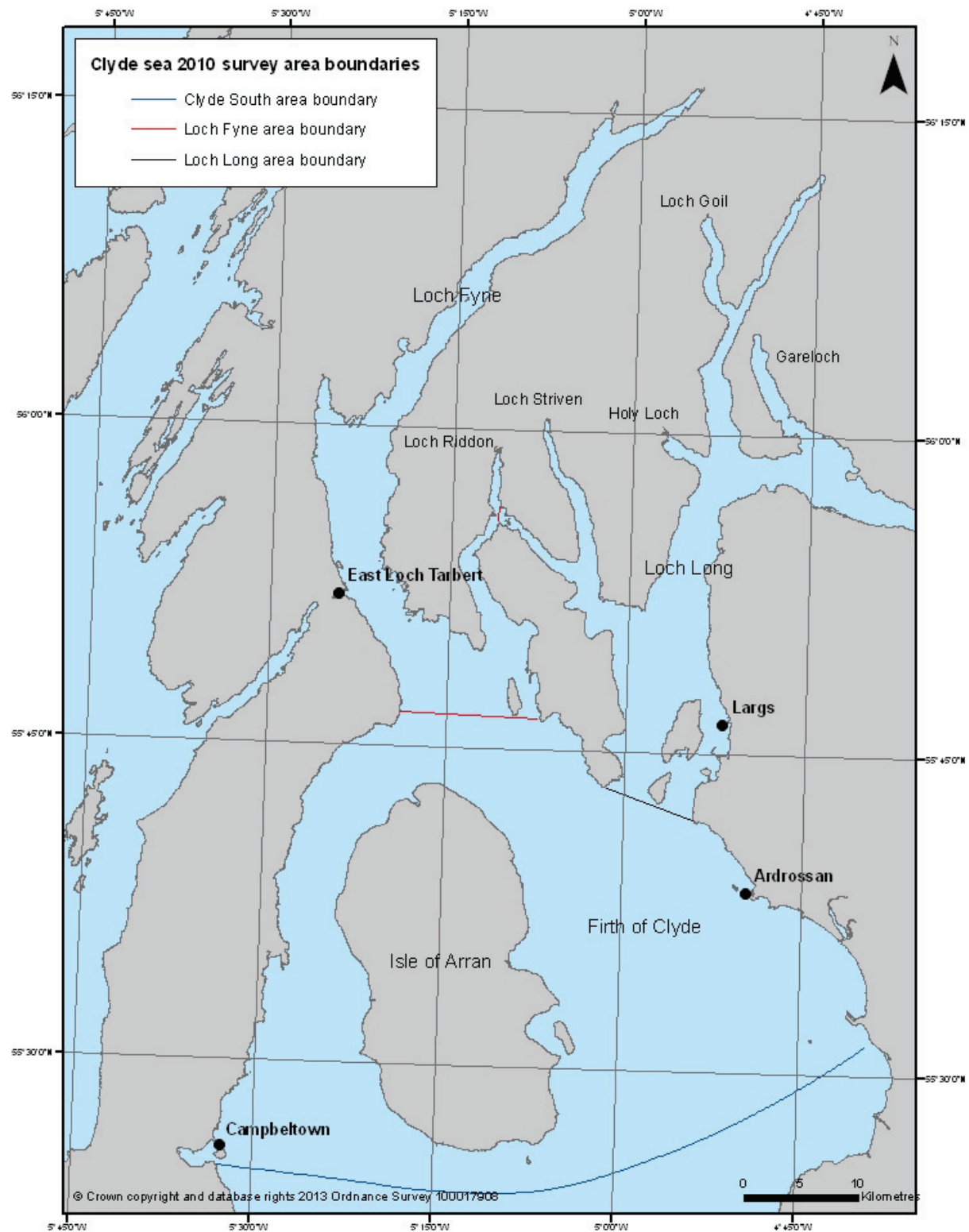
- Clyde South (CS) – the area around Arran including outer Firth of Clyde, Kilbrannan Sound and Bute Sound
- Loch Long (LL) – including inner Firth of Clyde, East Kyle of Bute, Loch Striven, Loch Long and adjoining lochs
- Loch Fyne (LF) – including upper and lower Loch Fyne, West Kyle of Bute, Loch Riddon and Inchmarnock Water

The survey took place between the 2nd August and the 15th October 2010, with some interruption by poor weather and technical problems. All survey operations were conducted from Seastar Survey's own survey vessel '*Otarie*', a Lochin 333 Harbour Pilot with an overall length of 10.1 m.

For the majority of the survey work conducted in Loch Long and the Arran basin the survey vessel was berthed overnight in Largs Yacht Haven. The survey vessel was berthed in East Loch Tarbert for the work within Loch Fyne.

The survey work involved drop down camera deployments, infaunal and sediment grab sampling and scientific diving. The broad survey region covered an area in excess of 2,000 km². Survey stations were planned to target a spread of locations based on the historical presence of PMFs, with additional sites selected to cover areas that had been historically under sampled. Figure 4 shows the planned survey stations. In total 107 sites were targeted due to historic records of PMF presence and 68 new sites were selected. Several planned stations were not surveyed due to poor weather conditions and technical difficulties limiting the length of the survey (see section 2.5 for further details). Summary tables showing the PMFs targeted at each station can be found in Annex A.

Figure 3. Survey regions and ports of operation for the Clyde Sea Priority Marine Feature (PMF) survey 2010.



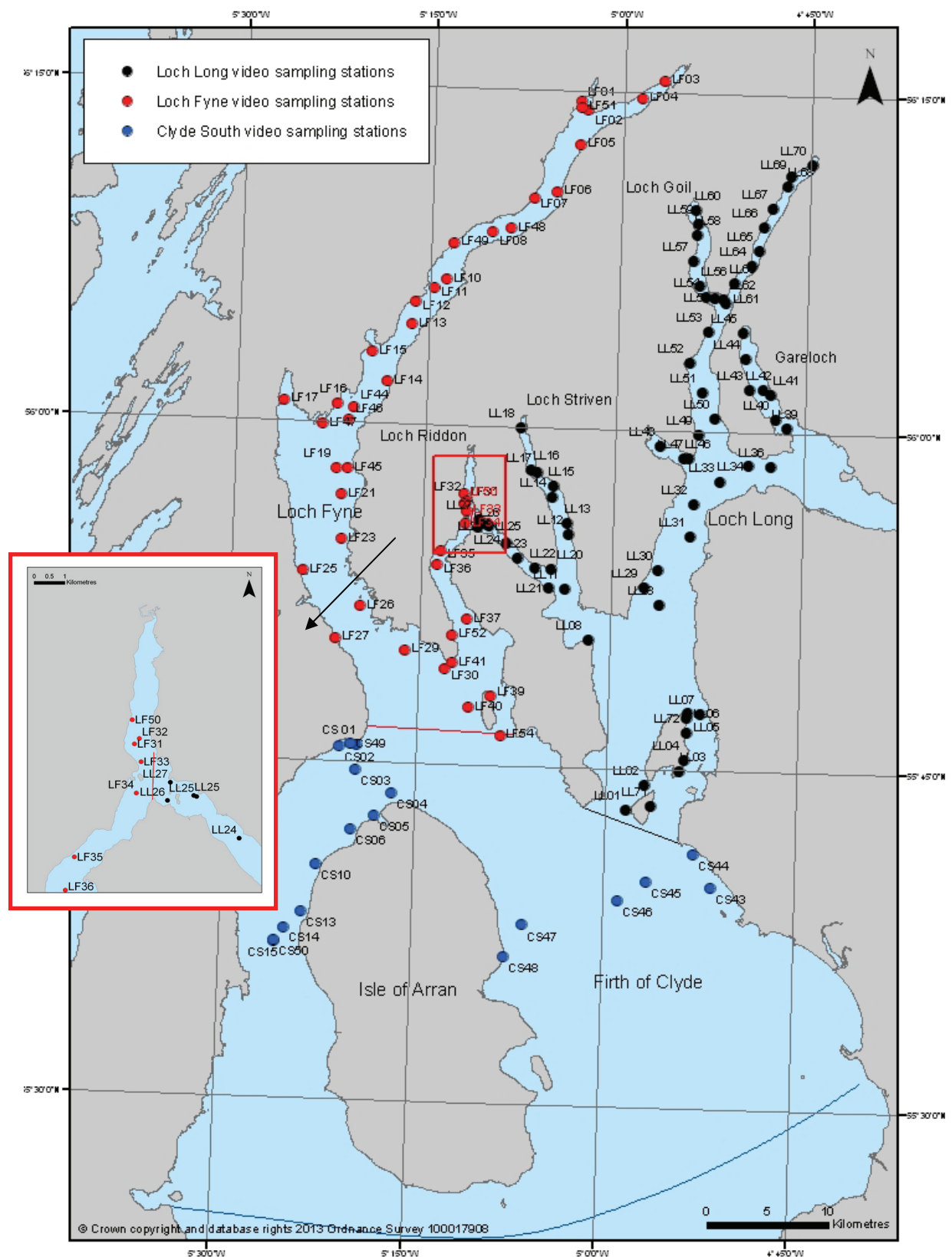
2.2 Drop-down camera survey

A total of 129 drop down video stations were completed across the Clyde Sea survey area (Figure 4), each measuring between 100 m and 700 m in length. The total distance covered by all survey lines was 54.75 km. A total of 42 mini digital video tapes (miniDV) with approximately 37 hours of video footage were recorded during the drop-down camera survey and a total of 2687 sea bed still photographs were taken (Annex B). The field logs for the camera and video survey, including the start and end of line positions for each camera transect, are provided in Annexes C and E. The start of line locations for the drop down camera stations are shown in Figure 4.

Table 3. Summary table of drop-down camera survey effort by survey area

Survey Area	Number of Stations	Station Names	Video duration (miniDV) recorded (hh:mm:ss)	Number of still photographs
Loch Fyne (LF)	44	LF01, LF02, LF03, LF04, LF05, LF06, LF07, LF08, LF10, LF11, LF12, LF13, LF14, LF15, LF16, LF17, LF19, LF21, LF23, LF25, LF26, LF27, LF29, LF30, LF31, LF32, LF33, LF34, LF35, LF36, LF37, LF39, LF40, LF41, LF44, LF45, LF46, LF47, LF48, LF49, LF50, LF51, LF52, LF54	17:44:39	1246
Loch Long (LL)	66	LL01, LL02, LL03, LL04, LL05, LL06, LL07, LL08, LL11, LL12, LL13, LL14, LL15, LL16, LL17, LL18, LL20, LL21, LL22, LL23, LL24, LL25, LL26, LL27, LL28, LL29, LL30, LL31, LL32, LL33, LL34, LL36, LL39, LL40, LL41, LL42, LL43, LL44, LL45, LL46, LL47, LL48, LL49, LL50, LL51, LL52, LL53, LL54, LL55, LL56, LL57, LL58, LL59, LL60, LL61, LL62, LL63, LL64, LL65, LL66, LL67, LL68, LL69, LL70, LL71, LL72	15:27:11	1143
Clyde South (CS)	18	CS01, CS02, CS03, CS04, CS05, CS06, CS10, CS13, CS14, CS15, CS43, CS44, CS45, CS46, CS47, CS48, CS49, CS50	03:56:20	298
Total	129		37:08:10	2687

Figure 4. Distribution of the 2010 Clyde Sea drop-down video sampling stations.



Survey effort in the first two weeks was structured towards sites closest to Largs Yacht Haven. Between the 16th and 30th of August sites were selected towards the west of the survey area, accessed from East Loch Tarbert. Sites within restricted MOD areas (e.g. Gareloch, Loch Goil) had to be planned in advance to gain permission and clearance to work from the MOD. Occasionally this was not granted due to submarine movements, and alternative permissible sites were selected to work instead. Camera work took priority over grabbing effort and was always carried out before any grab deployments at each of the sites.

Camera deployments were established as transects across sites of interest, which were selected from historic records of PMF distributions. New locations were also selected by personnel from Seastar Survey based on likelihood of finding PMFs within certain known habitats. The camera was deployed over the stern of the vessel, using the vessel's davits and capstan winch. Once the camera system was in the water and approximately 1 m above the sea bed the on-board surveyor began to log navigation and the skipper allowed the vessel to drift across the target. The optimal speed for the camera transects was 0.5 knots. During the deployment the camera system winch was controlled by the winch operator from outside the wheel house, but in clear sight of a live feed of the sea bed from the camera. Before each deployment a 'clapperboard' displaying the site name, date and weather conditions was videoed and photographed as a quality assurance record. Water depths were taken from the boat's hull mounted Simrad echosounder and recorded manually in the log. Water depths were not tidally reduced, but indicate the actual depth at the point and time each photograph was taken.

A Leica MX412B differential GPS was used to obtain a satellite derived position in WGS84 latitude and longitude, which was logged using Hypack survey software running on a survey laptop. A data transformation was performed within the survey software to convert the positions to UTM North Zone 30 (WGS84). Both the raw data and the converted positions were logged throughout the survey and times were recorded in Greenwich Mean Time (GMT).

The camera system used was a Kongsberg OE 14-208 digital stills camera, mounted obliquely on a drop-down camera frame. A flash unit and four sub-sea lights were also mounted on the frame. The camera, flash and lights were linked to the surface using a 200 m soft umbilical. All the controls for the camera system were kept in the vessel wheel house.

The camera system sent a continuous, real-time, analogue video feed to the surface, where the feed was monitored and the camera/winch were controlled accordingly. The digital stills and video feed was recorded digitally using Mini Digital Video (miniDV) tapes, providing uninterrupted, high quality video as a primary recording format. A hard drive recorder was used as a backup. Individual high resolution digital still photographs were taken using a surface controlled trigger on a survey laptop. Photographs were taken at the discretion of the camera operator rather than at a set time or distance interval, with a particular focus to identify any key fauna or PMFs.

Throughout the camera deployment navigation data were recorded. All camera deployment log keeping was synchronised to the navigation data from the Leica GPS. The log keeper recorded the time in GMT from the GPS at the start and end of each deployment and the time each photo was taken. The position of each photograph was then extracted from the navigation data. MiniDV tapes lasted 60 minutes and were replaced when the recording was near to the end of the tape. At the end of each survey day the camera was removed from the frame and secured in the wheel house. The digital photographs from the camera were then uploaded from the camera to a laptop computer via a USB lead (using Canon Zoom Browser EX software). During the upload process each photograph was named with the

target name and photograph number. All photographs and navigation data and video data were backed up onto a portable hard drive.

Log books, miniDV tapes and portable hard drives were stored away from the boat at night; whilst the hard drive recorder, camera and survey laptop stayed onboard. This ensured that two copies of the data were kept separate, reducing the risk of loss. Electronic logs were written up at regular intervals to ensure multiple copies of data were kept.

2.3 Infaunal survey

Grab samples were taken using a 0.1 m² van Veen grab deployed from the port side davit using the capstan to control deployment and recovery. Prior to deployment the grab was cleaned out using the vessel's seawater deck wash to remove any remaining sediment or contamination. The rope used to deploy the grab was marked at 10 m intervals, so the approximate depth of the grab below the water surface was always known. When the grab struck the sea bed, the rope slackened and was immediately winched in, closing the jaws of the grab in the process. At the point of impact position (Leica DGPS) and water depth (Simrad echosounder) were manually recorded in the log by the skipper. The grab was then recovered to deck, and assessed for sample quality. Grab samples were rejected on the grounds of poor quality for the following reasons:

- Uneven surface indicative of striking the sea bed at an angle.
- Washed out sample.
- Disturbed surface sediment.
- Contamination of the sediment (e.g. hagfish, paint chips, oil etc.).
- Sample touching the top of the grab.
- Sample <40% of the grab's capacity.

If the sample was deemed acceptable, a photograph was taken along with a sample label in the image indicating the sampling area and drop number (Figure 5). A small sub sample (~100 g) was taken from each grab sample for Particle Size Analysis (PSA). The remaining grab sample was then washed out into a collecting tray, and gently washed through a 1 mm sieve. The material retained on the sieve was then transferred into a labelled 5 litre plastic bucket and fixed using a 4% buffered formaldehyde solution to prevent sample degradation. This remaining material was retained for macrofaunal processing and analysis. A total of 15 van Veen grab samples were collected within the survey area. No duplicates were collected.

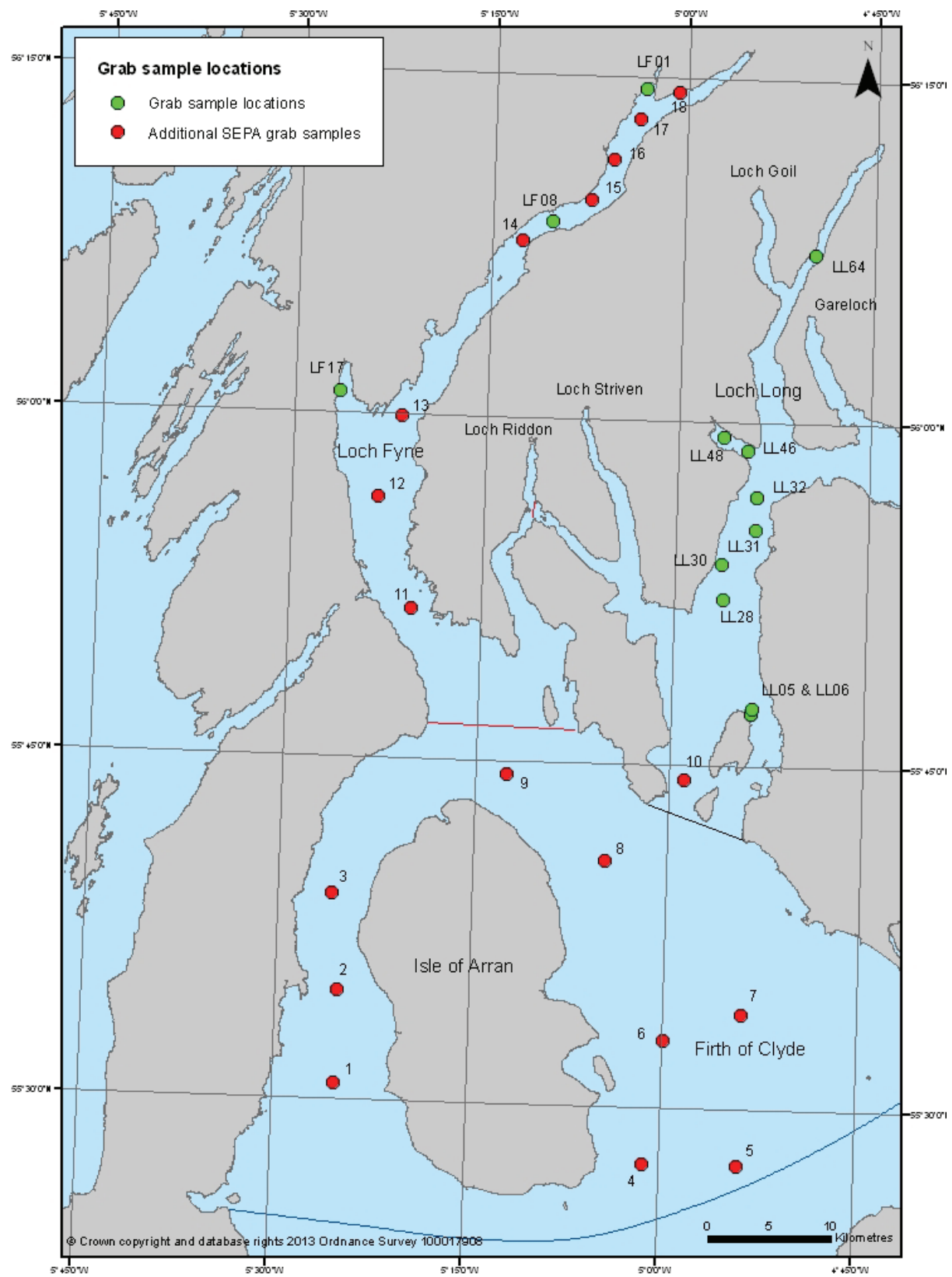
Figure 5. Example of the van Veen grab samples collected during the 2010 Clyde Sea PMF survey.



In addition to the grab samples collected from *Otarie* by Seastar Survey, 18 grab samples from the Clyde Sea were collected during an independent survey by the Scottish Environmental Protection Agency (SEPA) and were also analysed. The SEPA samples were collected using a 0.1 m² Day grab deployed from the SV Sir John Murray from the 16th - 17th of September 2010. At each site two grab samples were collected, one for biological analysis, and one for sediment analysis. The biological samples were washed through a Wilson's autosieve set with a 1 mm mesh size, with any retained material transferred to a labelled container before being fixed with a buffered 4% formaldehyde solution. The samples collected for sediment analysis each had a 5 cm core sub-sample retrieved for PSA. The location of the Seastar Survey and SEPA grab sites can be seen in Figure 6.

Annexes F - G contains the field logs for the Seastar Survey and SEPA grab sampling.

Figure 6. Distribution of the Clyde Sea 2010 infaunal grab sample stations.



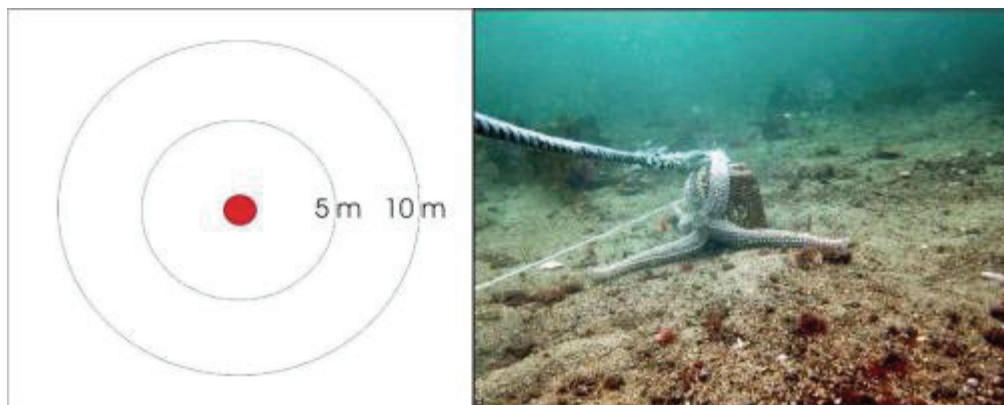
2.4 Scientific diving

All scientific diving operations were undertaken in accordance with the Health and Safety Executive Approved Code of Practice (ACOP) for scientific and archaeological diving projects. Diving was undertaken using standard scuba equipment (half-mask). The dive team comprised two scientific divers (working as a buddy pair), one standby diver and one dive supervisor. The scientific scuba diving was completed from the 13th - 15th of October 2010.

The in-water and standby divers were rotated during the survey day. Diving operations were used to gather detailed information about habitats in shallow water areas where sensitive species were present and disturbance had to be minimised. A combination of diver operated video, still photography and *in-situ* observations were used to assess the makeup, condition and coverage of a feature.

The methodology for the majority of the dives involved the divers descending down a shot line at each dive site. The divers then followed a circular search pattern around the shot line at set distances – immediately around the shot line; 5 m from the shot line; and at 10 m from the shot line (Figure 7). By diving in a pair side by side a large section of sea bed was covered during each circular search. Both divers were recovered to the boat between each search. Figure 8 shows the locations of the dive sites surveyed.

Figure 7. Illustration of the scientific diving search pattern methodology. A circular search pattern was started immediately around the shot line, then at 5 m and at 10 m intervals during the scientific diving (weight and a shot line illustrated in photograph).



2.4.1 Scientific diving targets

Five main locations were selected for scientific diving (Table 4; Figure 8). The main aim was to investigate the presence of flame shells and maerl within Loch Fyne. This was to be accomplished by targeting one site in the otter narrows and two sites around Inchmarnock Island. An additional site was selected near Kilbride Island in Loch Fyne with the aim of determining the potential presence of a *Modiolus* bed. The target species for the diving off the south coast of the Arran Island (Kildonan Point area) was seagrass with the aim of assessing the presence and health of seagrass. In case seagrass was present the health of the seagrass was to be assessed by carrying out a quadrat diving survey collecting data regarding seagrass percentage cover, counting seagrass shoots and measuring seagrass fronds as well as noting other associated fauna present in the seagrass beds (see Short *et al.*, 2004) (Annex H contains the field logs for the diving survey, including all locations and descriptions of the dive sites). During the search for the target species still photographs were also taken around the areas of search to record the general seabed type, as well as the associated species observed.

Figure 8. The distribution of the 2010 Clyde Sea scientific dive sites

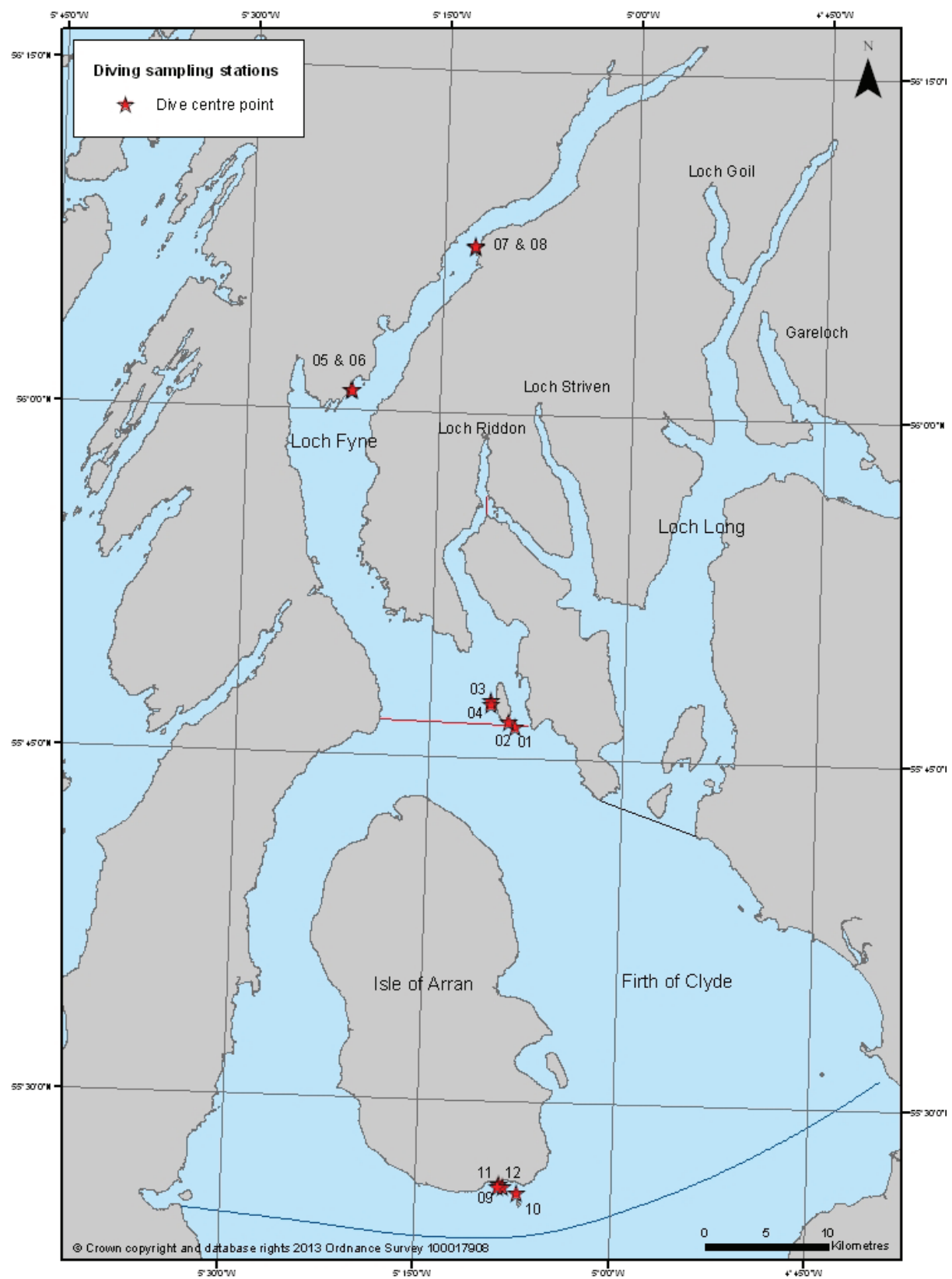


Table 4. Scientific diving survey targets.

Survey area	Site No.	Dive No.	PMF Target	Location
Loch Fyne	Site 01	05 & 06	Flame shell bed	Otter Narrows
Loch Fyne	Site 02	01 & 02	Flame shell bed & Maerl bed	Inchmarnock (east side)
Loch Fyne	Site 03	03 & 04	Maerl bed	Inchmarnock (west side)
Loch Fyne	Site 04	07 & 08	Horse mussel bed	Kilbride Island
Clyde South	Site 05	9 - 12	Seagrass bed	Seagrass bed, Pladda Island

2.5 Survey limitations

Across the Clyde Sea Survey area fishing gear obstructed several of the planned survey lines during the drop-down camera survey. There were a number of sites where natural obstructions such as boulders also prevented a camera line running directly over the planned target. Where possible, lines were moved and run adjacent to the original planned line and across the target of interest. Some targets were in areas of high current speed and had to be surveyed at slack water.

The following lines (as seen in Figure 4) were obstructed;

- CS44 Target intertidal, very shallow, line cut short
- CS13 Target plotted too deep for maerl (shown by existing data to be in the area), so the target was moved to shallower waters close to the original target.
- LL60 Line kept short due to close proximity of many small boat moorings.
- LL08 Vessel manoeuvred halfway through line to avoid running aground.
- LL01 Abandoned due to unmarked pots and weather.
- LF27 Moved slightly due to proximity of fish farm.

On days where the sea state was moderate to rough with a swell greater than 1 m it was deemed unsafe for the vessel to conduct camera work and grab sampling. Further survey time was lost due to technical problems with the capstan motor on SV Otarie and the camera system. In total eight survey days were lost due to bad weather or technical problems, leading to a reduced total survey time, resulting in fewer grab samples and drop-down camera deployments.

2.6 Video and photographic analysis

The analysis of the still photographs and video records was carried out 'blind' (i.e. without any prior knowledge of the sites), using a personal computer and a SONY digital videocassette recorder and a television monitor respectively. The latter system allowed for slow-motion, freeze-frame and standard play analysis. An initial assessment of each site was carried out by first looking through the photographs and film to quickly to get a brief understanding of the substratum, flora and fauna present at each location.

2.6.1 Analysis of the video footage

The video analysis included an initial assessment of a deployment to get a broad understanding of the substratum, flora and fauna, in addition to the identification of the different biotopes/habitats on the seabed. The positions of the boundaries of the different biotopes/habitats were determined using the time codes and related back to the navigation data.

The detailed analysis consisted of a general seabed description and the fauna were identified to the lowest practical level. General descriptions of the fauna were made and any other features of interest such as trawl marks were also recorded.

The abundance data were recorded using the SACFOR scale with the analysis concentrating on the species identified as PMFs together with species readily identified in the video material. A list of the encountered fauna were produced for each site using species reference numbers as cited in the Marine Conservation Society Species Directory (Howson and Picton, 1997). Species were named with nomenclature according to the World Registry of Marine Species (WoRMS; Appletans *et al.*, 2010). The sections or deployments were subsequently classified into designated biotopes according to Connor *et al.* (2004).

2.6.2 Analysis of the still photographs

Still photographs were analysed using a personal computer and were used to supplement the drop down video data. A general seabed description was included for each stills image, where the substrata were described according to the Wentworth scale (see Leeder, 1982). Within this classification scheme, boulders and cobbles were described within 'gravel' and rock referred to bedrock. The fauna were identified to the lowest practical taxonomic level using nomenclature according to WoRMS (Appletans *et al.*, 2010) and their abundance recorded using the SACFOR scale. Each still photograph was subsequently classified into designated biotopes according to Connor *et al.* (2004) wherever possible. Examples of seabed still photographs obtained using the drop-down camera system can be seen in Figure 9.

Figure 9. Example seabed still photographs from the 2010 Clyde Sea area PMF survey.



2.7 Infaunal analysis

2.7.1 Macrofaunal processing and analysis

The processing of the macrofaunal sediment samples took place at Seastar Survey's laboratory in Southampton. The sediment samples were gently re-sieved on 1 mm sieves and sorted using trays and low-magnification microscopes. The fauna were subsequently identified to the lowest practical taxonomic level with reference to WoRMS (Appelans *et al.*, 2010) to avoid problems with nomenclature. A full list of taxa encountered and abundances per sample were recorded on a standard species/ sample matrix (Annexes I). A reference collection was created and a Quality Control exercise was carried out by Artoo Marine Ecological Consultants to check the identification results.

The invertebrate specimens collected were separated by species and station, preserved in alcohol and stored in glass sample vials with polyethylene closures to facilitate their incorporation into the collections of The National Museum of Scotland.

Species abundance data from the grab samples were analysed using univariate techniques calculated with the software program PRIMER v 5.2.0 (Clarke and Warwick, 1994). For each grab sample several parameters were calculated, including the total number of individuals (N), the total number of species (S), Pielou's equitability Index (J), Margalef's diversity index (d) and the Shannon-Wiener diversity index (H'). Finally, samples were designated into biotopes according to Connor *et al.* (2004) wherever possible.

2.7.2 Sediment Particle Size Analysis (PSA)

Particle size analysis (PSA) was undertaken at Seastar Survey's laboratory, using a combination of wet and dry sieving techniques at 1 phi intervals as per standard protocols. The PSA followed the sediment grades used by the Marine Nature Conservation Review (MNCR) as described below:

Pebble – medium	(>8 mm)
Pebble – small	(4-8 mm)
Granule	(2-4 mm)
Sand, very coarse	(1000-2000 µm)
Sand, coarse	(500-1000 µm)
Sand, medium	(250-500 µm)
Sand, fine	(125-250 µm)
Sand, very fine	(63-125 µm)
Silt and clay (mud)	(<63 µm)

For each sediment sample, the dry weight of the whole sediment sample was determined and any muddy samples were disaggregated using a suitable method (e.g. sodium hexametaphosphate). The sample was wet sieved on a 63 µm mesh, then dried and re-weighed to establish the weight percentage of the <63 µm fraction. The remainder of the sample was dry sieved with an appropriate sequence of mesh sizes to yield weight percentage data for particle size fractions at half phi intervals, with 63 µm being the smallest sieve size and 16 mm the maximum.

3. RESULTS

3.1 Biotope composition and distribution within the Clyde Sea

A total of 172 drop-down video recordings were made on 129 pre-planned sampling stations (see Annex A). A summary of the video and photographic stills that were collected at each station can be seen in Annexes B and C with a brief description of the biota recorded in Annex D and the photo log in Annex E. Due to the scale of the Clyde Sea area, as a whole, additional maps have been produced to sub-divide each of the three regions. In total 44 stations were completed within the Loch Fyne survey region (Figure 10), 66 within the Loch Long survey region (Figure 28) and 19 within the Clyde South survey region (Figure 52). A total of 67 biotopes were recorded during the survey. The results of the video analysis can be seen in Figures 12 - 26 for Loch Fyne, Figures 29 - 50 for Loch Long and Figures 53 - 59 for the Clyde south survey region. The maps show the biotope recorded approximately every minute along each drop down video transect. Additional biotopes assigned to still photo's can be seen within the photo log in Annex E.

Results of the infaunal grab analysis are in Section 3.2 with further details in Annexes F and G. Diving observations can be found in Section 3.3 with further detail in Annex H. Details of the PMFs observed are summarised in Section 3.4.

*Table 5. Biotopes identified within the Clyde Sea in 2010 (all sampling methods). Biotopes follow Connor et al. (2004). Those marked with a * were assigned following analysis of the photographic stills only.*

Key to biotope coding and table colours (coloured at habitat complex level)

Rock biotopes (IR = infralittoral rock; CR = circalittoral rock)		Sublittoral Sediment biotopes (SS)
High energy infralittoral rock (HIR)	High energy circalittoral rock (HCR)	Sublittoral coarse sediment (SCS)
Moderate energy infralittoral rock (MIR)	Moderate energy circalittoral rock (MCR)	Sublittoral sand (SSa)
Low energy infralittoral rock (LIR)	Low energy circalittoral rock (LCR)	Sublittoral mud (SMu)
Feature of infralittoral rock (FIR)	Feature of circalittoral rock (FCR)	Sublittoral mixed substrata (SMx)
Examples	IR.HIR = Habitat complex (level 3 in classification)	Sublittoral macrophytes on sediment (SMp)
	IR.HIR.KFaR = Biotope complex (level 4 in classification)	
	IR.HIR.KFaR.LhypR = Biotope level (anything longer = sub-biotope)	Sublittoral biogenic reefs on seds (SBR)

Biotope	Description
IR.HIR.KSed	Sand or gravel-affected or disturbed kelp and seaweed communities
IR.HIR.KSed.LsacChor	<i>Laminaria saccharina</i> , <i>Chorda filum</i> and dense red seaweeds on shallow unstable infralittoral boulders or cobbles.
IR.HIR.KSed.Sac	<i>Saccorhiza polyschides</i> and other opportunistic kelps on disturbed sublittoral fringe rock
IR.MIR.KR	Kelp with red seaweeds (moderate energy infralittoral rock)
IR.MIR.KR.XFoR	Dense foliose red seaweeds on moderately exposed, silted, table infralittoral rock
*IR.MIR.KT.XKTX	Mixed kelp and red seaweeds on infralittoral boulders, cobbles and gravel in tidal rapids
IR.LIR	Low energy infralittoral rock
*IR.LIR.K	Silted kelp (stable rock)
IR.LIR.K.Lsac	<i>Laminaria saccharina</i> on very sheltered infralittoral rock
IR.LIR.K.Lsac.Gz	Grazed <i>Laminaria saccharina</i> with <i>Echinus</i> , brittlestars and coralline crusts on sheltered infralittoral rock
*IR.LIR.K.Sar	<i>Sargassum muticum</i> on shallow slightly tide-swept infralittoral mixed substrata
CR.MCR.EcCr	Echinoderms and crustose communities

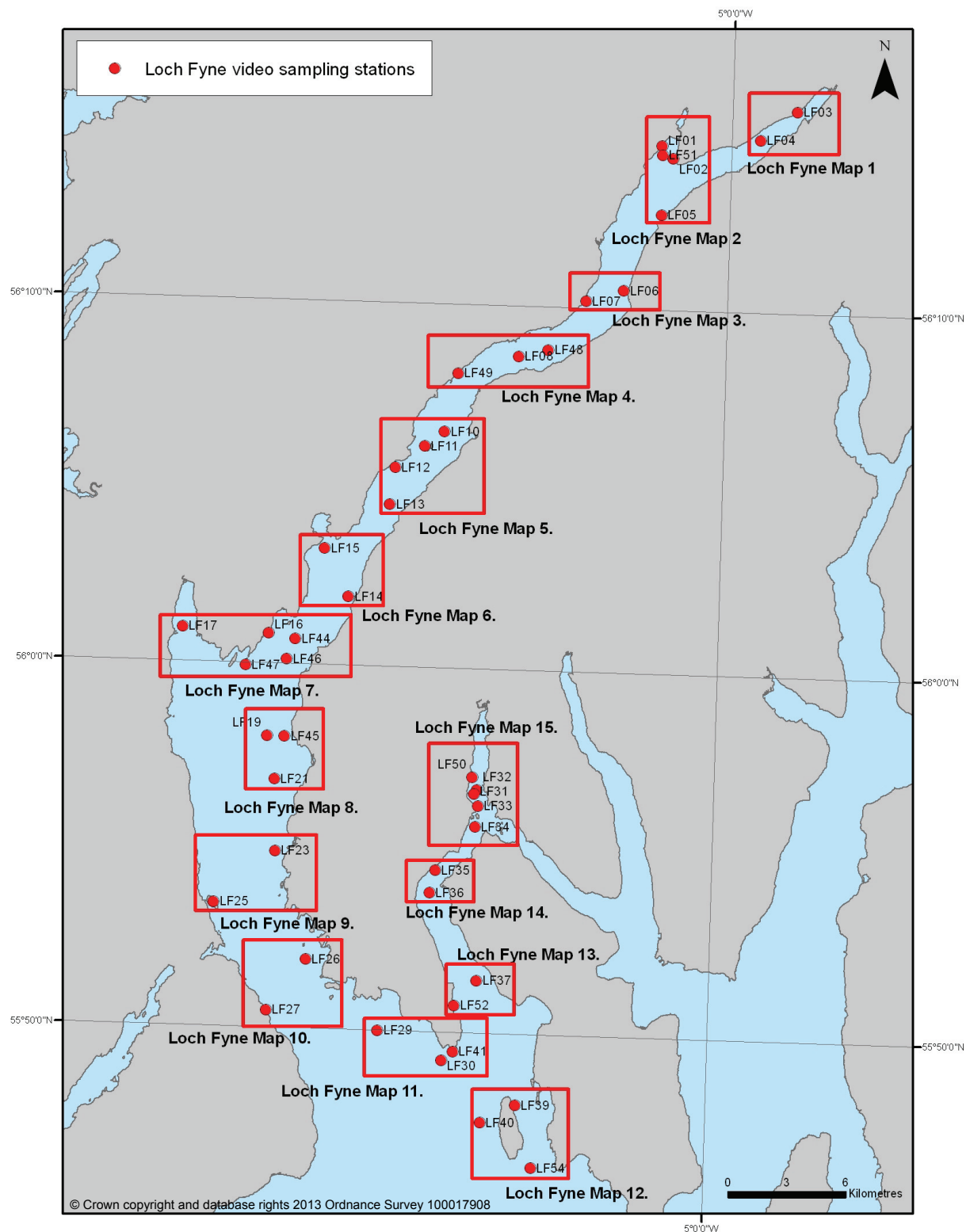
Biotope	Description
CR.MCR.EcCr.FaAlCr	Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock
CR.MCR.EcCr.AdigVt	<i>Alcyonium digitatum</i> and faunal crust communities on vertical Circalittoral bedrock
CR. MCR.EcCr.FaAiCr.Bri	Brittlestar bed on faunal and algal encrusted, exposed to moderately wave-exposed circalittoral rock.
CR.MCR.EcCr.UrtScr	<i>Urticina felina</i> and sand-tolerant fauna on sand-scoured or covered circalittoral rock
CR.LCR.BrAs	Brachiopod and ascidian communities
CR.LCR.BrAs.NeoPro	<i>Neocrania anomala</i> and <i>Protanthea simplex</i> on low energy circalittoral rock
CR.LCR.BrAs.AmenCio	Solitary ascidians, including <i>Ascidia mentula</i> and <i>Ciona intestinalis</i> , on wave-sheltered circalittoral rock
CR.LCR.BrAs.AmenCio.Bri	Dense brittlestars with sparse <i>Ascidia mentula</i> and <i>Ciona intestinalis</i> on sheltered circalittoral mixed substrata
CR.LCR.BrAs.AntAsH	<i>Antedon</i> spp., solitary ascidians and fine hydroids on sheltered circalittoral rock
CR.FCR.FouFa.AdigMsen	<i>Alcyonium digitatum</i> and <i>Metridium senile</i> on moderately wave-exposed circalittoral steel wrecks
CR.HCR.Xfa	Mixed faunal turf communities
CR.HCR.Xfa.Mol	<i>Molgula manhattensis</i> with a hydroid and bryozoan turf on tide-swept moderately wave-exposed circalittoral rock
*CR.HCR.XFa.SpAnVt	Sponges and anemones on vertical circalittoral bedrock
SS.SCS.CCS	Circalittoral coarse sediment
SS.SCS.ICS	Infralittoral coarse sediment
SS.SCS.ICS.SSh	Sparse fauna on highly mobile sublittoral shingle (cobbles and pebbles)
SS.SSa.CMuSa	Circalittoral muddy sand
SS.SSa.CMu.Sa.AbraAirr	<i>Amphiura brachiata</i> with <i>Astropecten irregularis</i> and other echinoderms in circalittoral muddy sand
SS.SSa.CMuSa.AalbNuc	<i>Abra alba</i> and <i>Nucula nitidosa</i> in circalittoral muddy sand or slightly mixed sediment
SS.SSa.IFiSa	Infralittoral fine sand
SS.SSa.IMuSa	Infralittoral muddy sand
SS.SSa.IMuSa.AreISa	<i>Arenicola marina</i> in infralittoral fine sand or muddy sand
SS.SMu.ISaMu	Infralittoral sandy mud
SS.SMu.ISaMu.AmpPlon	<i>Ampelisca</i> spp., <i>Photis longicaudata</i> and other tube-building amphipods and polychaetes in infralittoral sandy mud
SS.SMu.ISaMu.NhomMac	<i>Nephtys hombergii</i> and <i>Macoma balthica</i> in infralittoral sandy mud
SS.SMu.CFiMu	Circalittoral fine mud
SS.SMu.CFiMu.MegMax	Burrowing megafauna and <i>Maxmuelleria lankesteri</i> in circalittoral mud
SS.SMu.CFiMu.SpnMeg	Seapens and burrowing megafauna in circalittoral fine mud.
SS.SMu.CSaMu	Circalittoral sandy mud
SS.SMu.CSaMu.AfilMysAnit	<i>Amphiura filiformis</i> , <i>Mysella bidentata</i> and <i>Abra nitida</i> in circalittoral sandy mud
SS.SMu.CSaMu.VirOphPmax	<i>Virgularia mirabilis</i> and <i>Ophiura</i> spp. with <i>Pecten maximus</i> on circalittoral sandy or shelly mud
SS.SMu.CSaMu.VirOphPmax.Has	<i>Virgularia mirabilis</i> and <i>Ophiura</i> spp. with <i>Pecten maximus</i> , hydroids and ascidians on circalittoral sandy or shelly mud with stones
SS.SMu.CSaMu.AfilNten	<i>Amphiura filiformis</i> and <i>Nuculoma tenuis</i> in circalittoral and offshore sandy mud
SS.SMu.CSaMu.LKorPpel	<i>Lagis koreni</i> and <i>Phaxas pellucidus</i> in circalittoral sandy mud

Biotope	Description
SS.SMu.CSaMu.ThyNten	<i>Thyasira</i> spp. and <i>Nuculoma tenuis</i> in circalittoral sandy mud.
SS.SMu.IFiMu	Infralittoral fine mud
SS.SMx.CMx	Circalittoral mixed sediment
SS.SMx.CMx.CIloMx	<i>Cerianthus lloydii</i> and other burrowing anemones in circalittoral muddy mixed sediment
SS.SMx.CMx.CIloMx.Nem	<i>Cerianthus lloydii</i> with <i>Nemertesia</i> spp. and other hydroids in circalittoral muddy mixed sediment
*SS.SMx.CMx.CIloModHo	Sparse <i>Modiolus modiolus</i> , dense <i>Cerianthus lloydii</i> and burrowing holothurians on sheltered circalittoral stones and mixed sediment.
SS.SMx.CMx.OphMx	<i>Ophiothrix fragilis</i> and/or <i>Ophiocomina nigra</i> brittlestar beds on sublittoral mixed sediment
SS.SMx.IMx	Infralittoral mixed sediment
SS.SMx.IMx.Lim	<i>Limaria hians</i> beds in tide-swept sublittoral muddy mixed sediment
SS.SMp.KSwSS	Kelp and seaweed communities on sublittoral sediment
SS.SMp.KSwSS.LsacR	<i>Laminaria saccharina</i> and red seaweeds on infralittoral sediments
SS.SMp.KSwSS.LsacR.Gv	<i>Laminaria saccharina</i> and robust red algae on infralittoral gravel and pebbles
SS.SMp.KSwSS.LsacR.Sa	<i>Laminaria saccharina</i> and filamentous red algae on infralittoral sand
SS.SMp.KSwSS.LsacR.Mu	<i>Laminaria saccharina</i> with red and brown seaweeds on lower infralittoral muddy mixed sediment
SS.SMp.KSwSS.LsacR.CbPb	Red seaweeds and kelps on tide-swept mobile infralittoral cobbles and pebbles
SS.SMp.KSwSS.LsacRCho	<i>Laminaria saccharina</i> and <i>Chorda filum</i> on sheltered upper infralittoral muddy sediment
SS.SMp.KSwSS.Pcri	Loose-lying mats of <i>Phyllophora crispa</i> on infralittoral muddy sediment
SS.SMp.Mrl.Pcal	<i>Phymatolithon calcareum</i> maerl beds in infralittoral clean gravel or coarse sand
SS.SMp.Mrl.Pcal.R	<i>Phymatolithon calcareum</i> maerl beds with red seaweeds in shallow infralittoral clean gravel or coarse sand
SS.SBR.SMus.ModT	<i>Modiolus modiolus</i> beds with hydroids and red seaweeds on tide-swept circalittoral mixed substrata
SS.SBR.SMus.ModHAs	<i>Modiolus modiolus</i> beds with fine hydroids and large solitary ascidians on very sheltered circalittoral mixed substrata

3.1.1 Summary of habitats and species observed in Loch Fyne survey area

Maps have been produced to show the distribution of biotopes recorded by video analysis at each drop down video transect within the Loch Fyne survey region (Figures 12 - 26). The locations of these maps can be referred to in Figure 10.

Figure 10. Location of Figures 11 – 25 within the Loch Fyne region of the Clyde sea survey area.



Within upper Loch Fyne, the burrowed mud habitat **SS.SMu.CFiMu.SpMmeg** was observed supporting the sea pen *Virgularia mirabilis* with the fireworks anemone *Pachycerianthus multiplicatus* abundant in places (Figure 11). Closer to shore infralittoral mixed sediment gave way to coarser sediment near Ardgenavan. Here the edges of Loch Fyne had areas of exposed bedrock with some silt cover. The bedrock had characteristic fauna that included the sealoch anemone *Protanthea simplex* (F), ascidians like *Ciona intestinalis* (R), various echinoderm species, hydroids, tube worms and squat lobsters (**CR.LCR.BrAs.NeoPro**) South of Dundreave point burrowed mud with sea pens was again observed with *Nephrops norvegicus* common.

The sea bed within the shallower areas of Loch Shira appeared to be sand (**SS.SSa.IFiSa**) with *Arenicola marina* excretion mounds common (Figure 12). Areas of sand and rock were dominated by *Saccharina latissima* (S) and *Chorda filum* (F) (**SS.SMp.KSwSS**) (Figure 12). *Pachycerianthus multiplicatus* were frequently observed in central parts of the loch with *V. mirabilis* (O) and *Nephrops norvegicus* (O-F) also present. The deeper waters were characterised by circalittoral soft and mixed sediments which extended into Loch Fyne.

Towards Creag a'Phuill, mixed, gravelly mud, with areas of rock, were inhabited by *Munida rugosa* towards the shore. The sea bed directly to the west of Creag a'Phuill consisted of burrowed mud with boulders scattered in places. Here the sea pen *V. mirabilis* were frequently recorded with *N. norvegicus* (Figure 12).

Further south towards the edges of Loch Fyne the sea bed was characterised by exposed bedrock with some silt cover (Figure 13). The bedrock had characteristic fauna that included the sea loch anemone *Protanthea simplex*, with *Echinus esculentus* abundant (**CR.LCR.BrAs.NeoPro**). The deeper waters of the loch here were characterised by circalittoral soft and mixed sediments. The brittlestar *Amphiura* spp. and the sea pen *V. mirabilis* were frequently seen in these soft sediment areas (Figure 14). Towards Eilean Aoghainn soft muds and mixed sediments were observed with dense beds of the brittlestars *Ophiothrix fragilis* (A) and *Ophiocomina nigra* (C) (**SS.SMx.CMx.OphMx**) (Figure 15). Patches of kelp were also scattered through out the area and observed inshore, south of Minard bay.

South of Eilean Aoghainn north of East Kames bay (Figure 16) mixed and muddy sediments were dominated by brittlestars. *Cerianthus lloydii* and *Pagurus bernhardus* were also frequently observed (**SS.SMu.CSaMu.VirOphPmax.Has**). Further south, on the opposite side of the loch, the sea bed transitioned from circalittoral mixed sediment to muddy sand at shallower depths. The muddy sand areas of the loch were again characterised by *M. rugosa* (A) whilst *C. lloydii* (O) and occasional dense aggregations of Onchidorididae sea slugs were observed in the more mixed sediments (**SS.SMx.CMx**)

Further dense brittlestar beds were observed around the Otter Spit Narrows as well as to the south of Castleton with *O. nigra* abundant (Figure 17). Kelp and seaweed communities with further brittle stars dominated the inshore waters south of Port Ann with some dead maerl also noted. Further to the east scattered clumps of *Modiolus modiolus* (**SS.SBR.Mus**) were observed at station LF44 leading into *O. fragilis* (C) (Figure 17). Further round to the west Loch Gilp appeared to have a mat of organic material over sandy sediment, and had relatively sparse epifauna.

The sea bed along the east side of Lower Loch Fyne largely consisted of mud (**SS.SMu.CFiMu**) and sandy mud (**SS.SSa.CMuSa**) in shallow areas dominated by ascidians with the sea bed towards the centre of the Loch appearing to be fine mud (Figure 18). Further south, towards the east of Barmore island (Figure 19), algae dominated the sea bed with *Asterias rubens* (O-C) and hydroids (**SS.SMp.KSwSS.LsacR**). Circalittoral fine mud (**SS.SMu.CFiMu**) was observed towards the east side of the Loch (Figure 20) with mixed

muddy sediment dominated by *Antedon bifida* (F) and *Munida rugosa* (F). Aggregations of the northern feather star, *Leptometra celtica*, a priority marine feature, were also observed although only in small numbers (1-9 individuals).

A large area of dead maerl (**SS.SMp.MrIPcal.R**) was recorded just south of Ardlamont Point, where the West Kyle of Bute joins Inchmarnock water (Figure 21). Seaweed and kelp were found close to the maerl bed towards the shore with both habitats supporting a variety of species, including *Marthasterias glacialis* (F), *Asterias rubens* (O), and *Echinus esculentus* (A) and crustaceans, with tube worms and bryzoan mats encrusting the seaweed fronds.

Muddy sediments were again seen to the west of Inchmarnock Island (Figure 22) with *Turritella communis* frequent. To the south east of the island a bed of live maerl was observed leading onto a dense bed of *O. nigra* (A) (**SS.SMx.CMx.OphMx**).

Soft sediment extended into the West Kyle of Bute, but became more mixed in composition in the southern part of the Kyle. Within the West Kyles of Bute sandy mud was dominated by the *Liocarcinus* sp. (F), *N. norvegicus* (F) and with *Echiura* feeding mounds abundant (Figure 23). Further north, within the Kyles of Bute, areas of bedrock were covered with brittlestars *O. fragilis* (O) and *O. nigra* (C) (**CR.MCR.EcCr.FaAlcr** and **CR.MCR.EcCr.FaAlcr.Bri**) (Figure 24).

Video showed the sea bed of Loch Riddon to consist of large areas of fine mud with crustacean burrows, some of which were seen to be occupied by *Nephrops norvegicus*, however, no sea pens were recorded (Figure 25). The soft sediment extended into the West Kyle of Bute, but became more mixed in composition towards the south.

Throughout Loch Fyne mobile fauna such as the long-clawed squat lobster *Munida rugosa* and hermit crabs (Paguridae spp.) were commonly observed in most habitat types. The tentacles of tube worms (Terebellidae spp.) were frequently seen extending over areas of soft sediment.

Figure 11. Loch Fyne Map 1. - Upper Loch Fyne

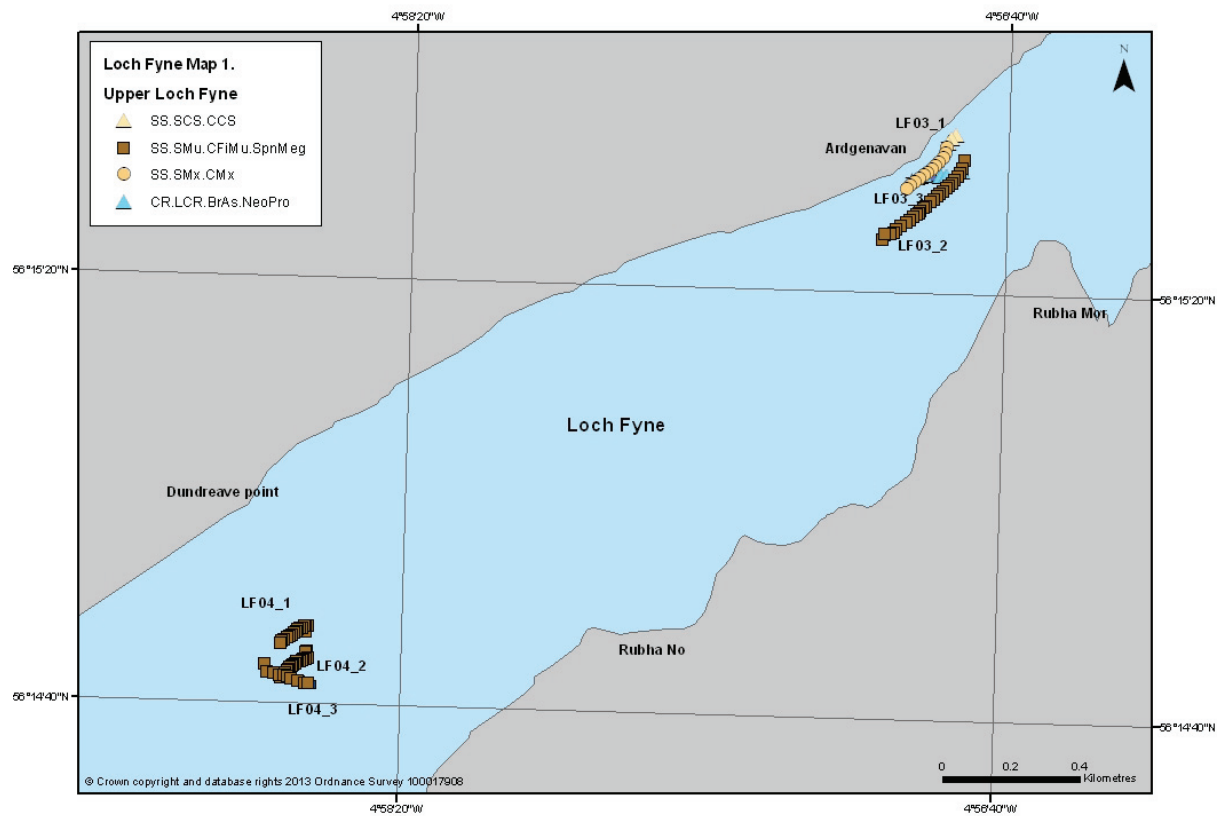


Figure 12. Loch Fyne Map 2. -. Loch Shira and Upper Loch Fyne.

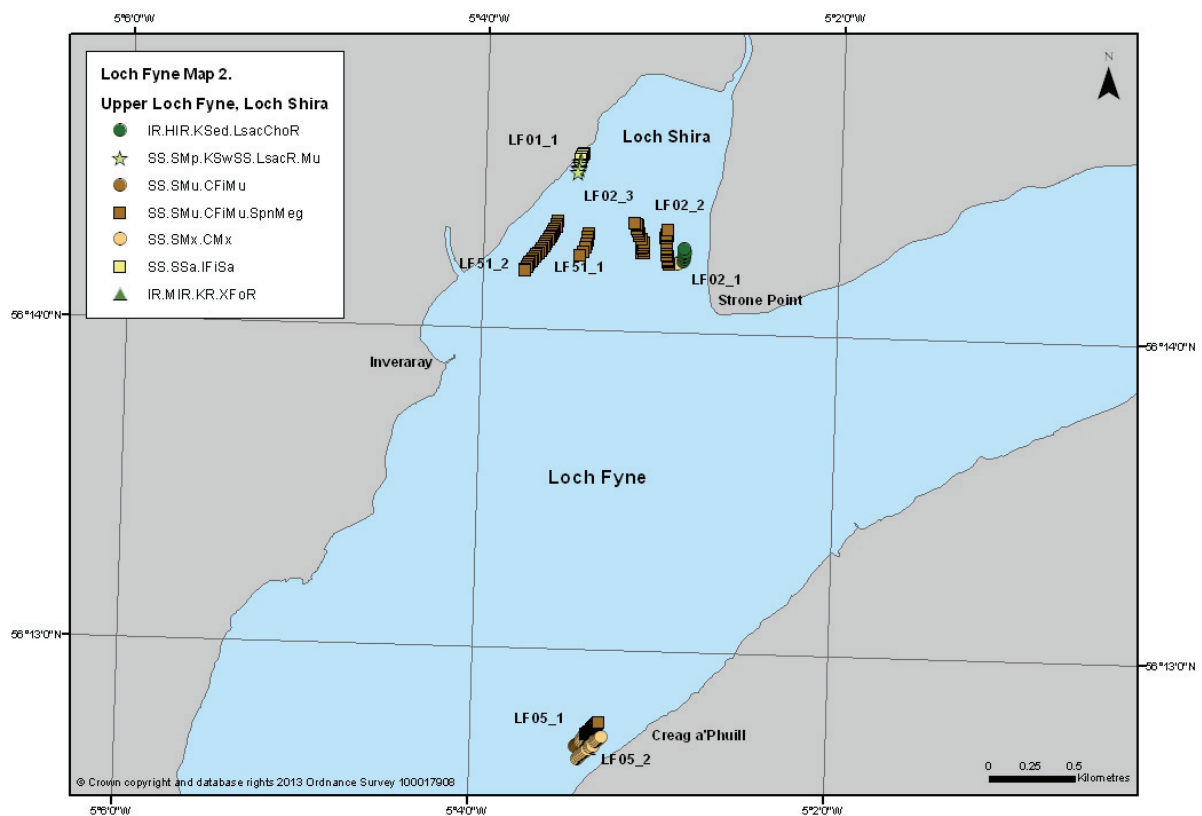


Figure 13. Loch Fyne Map 3. - Upper Loch Fyne.

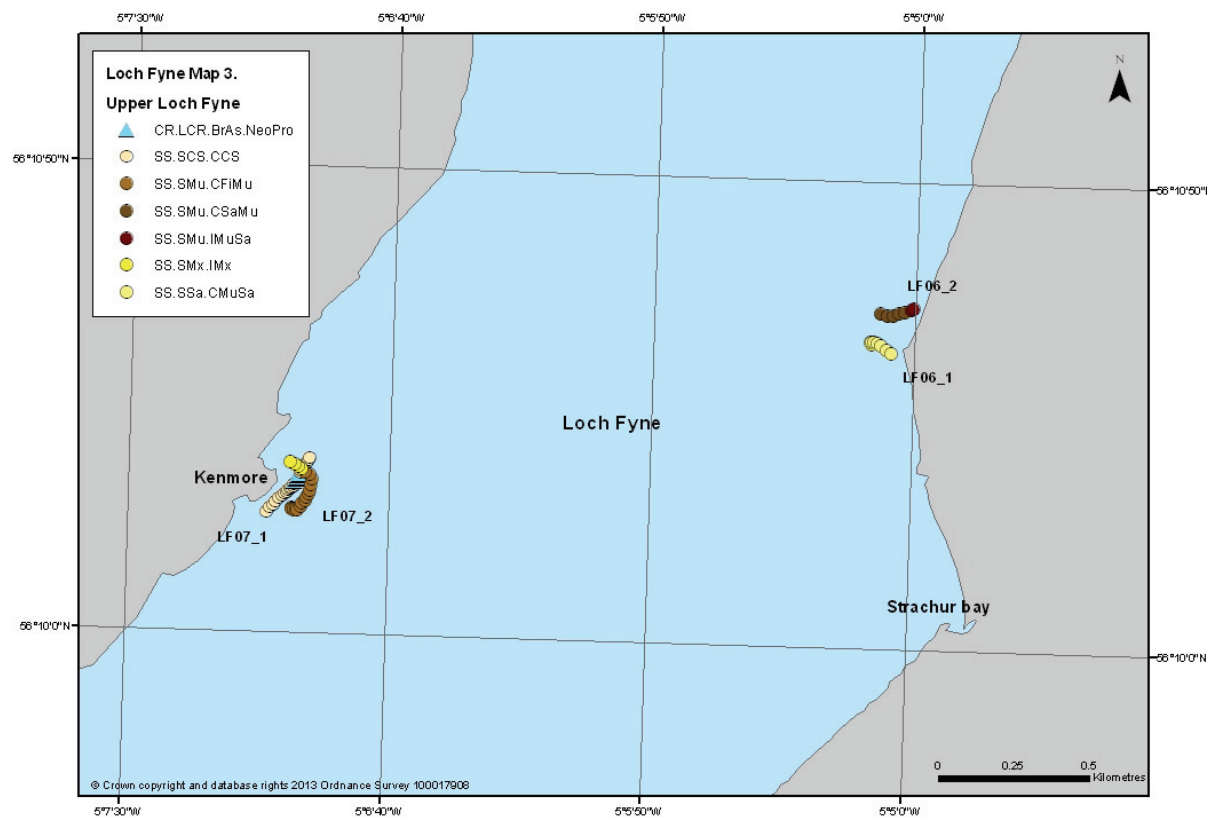


Figure 14. Loch Fyne Map 4. - Upper Loch Fyne.

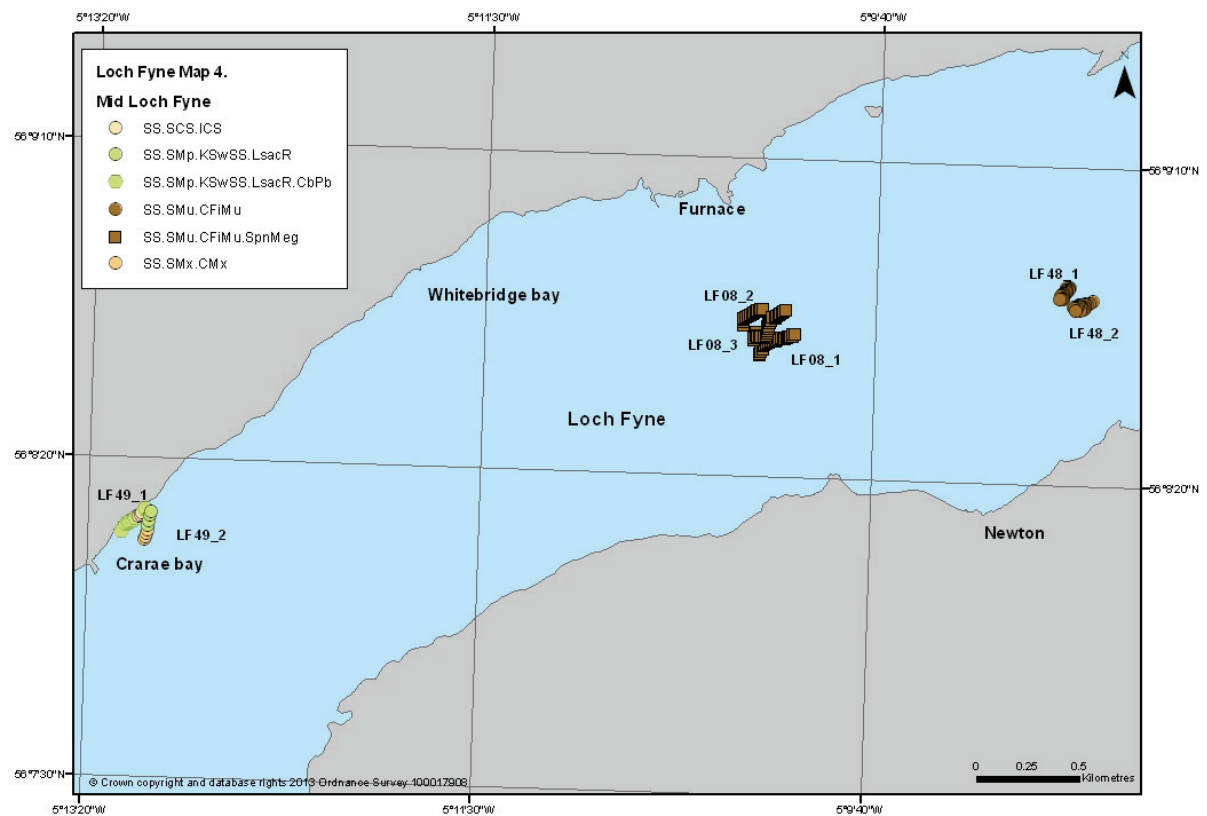


Figure 15. Loch Fyne Map 5. - Central Loch Fyne.

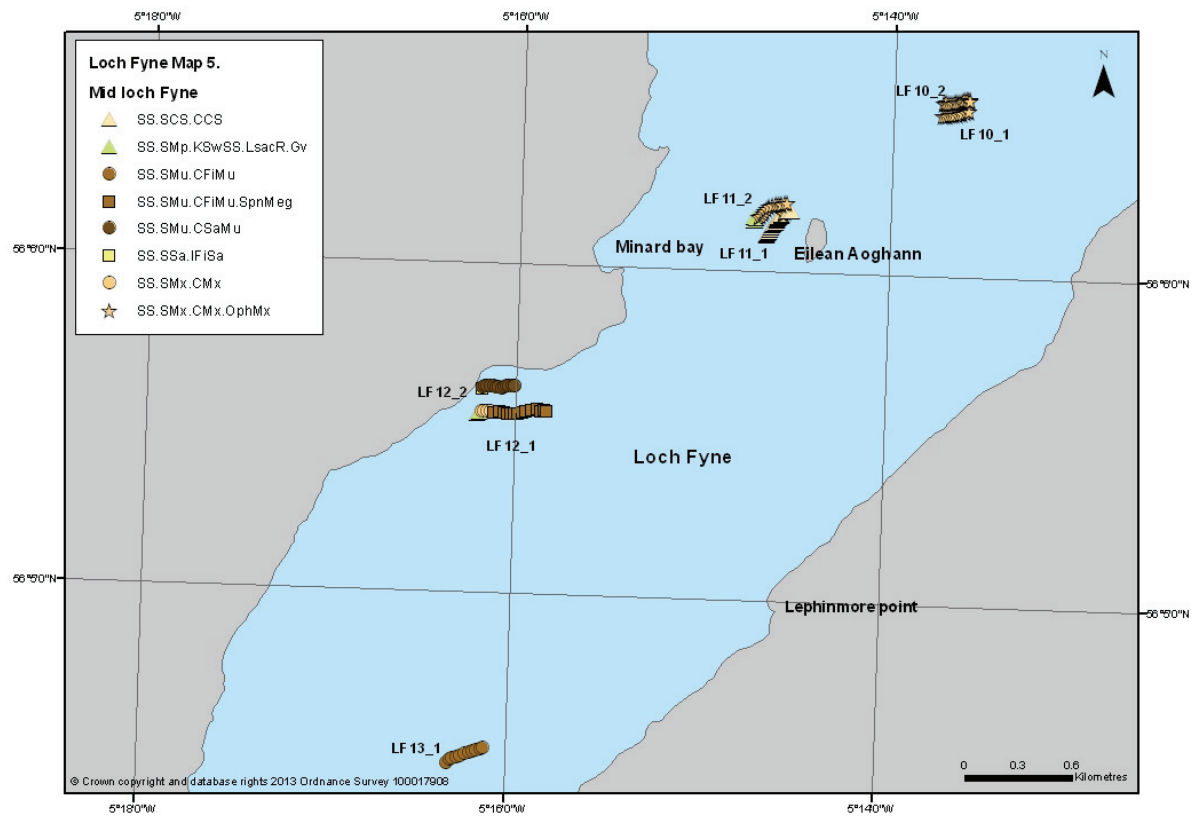


Figure 16. Loch Fyne Map 6. - Central Loch Fyne

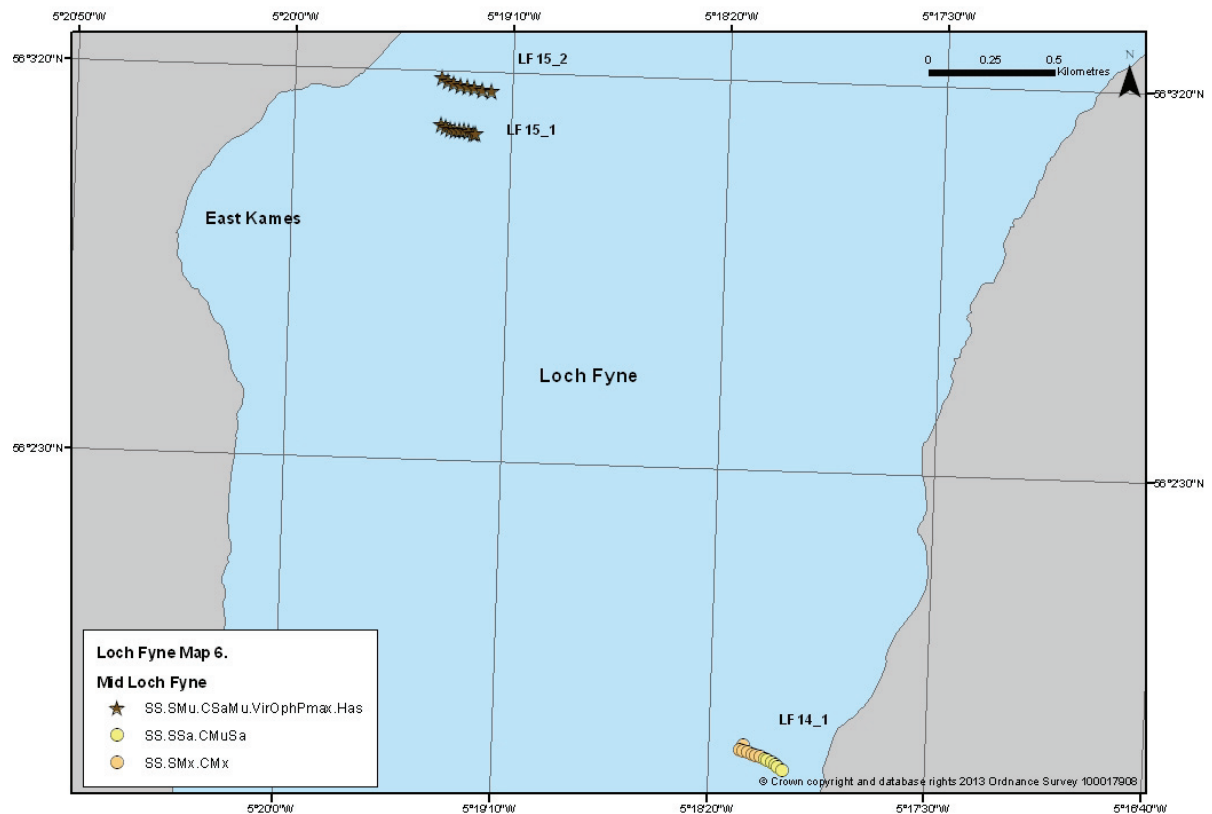


Figure 17. Loch Fyne Map 7- Lower Loch Fyne (see section 3.4.2 for further detail regarding horse mussels at LF44_1)

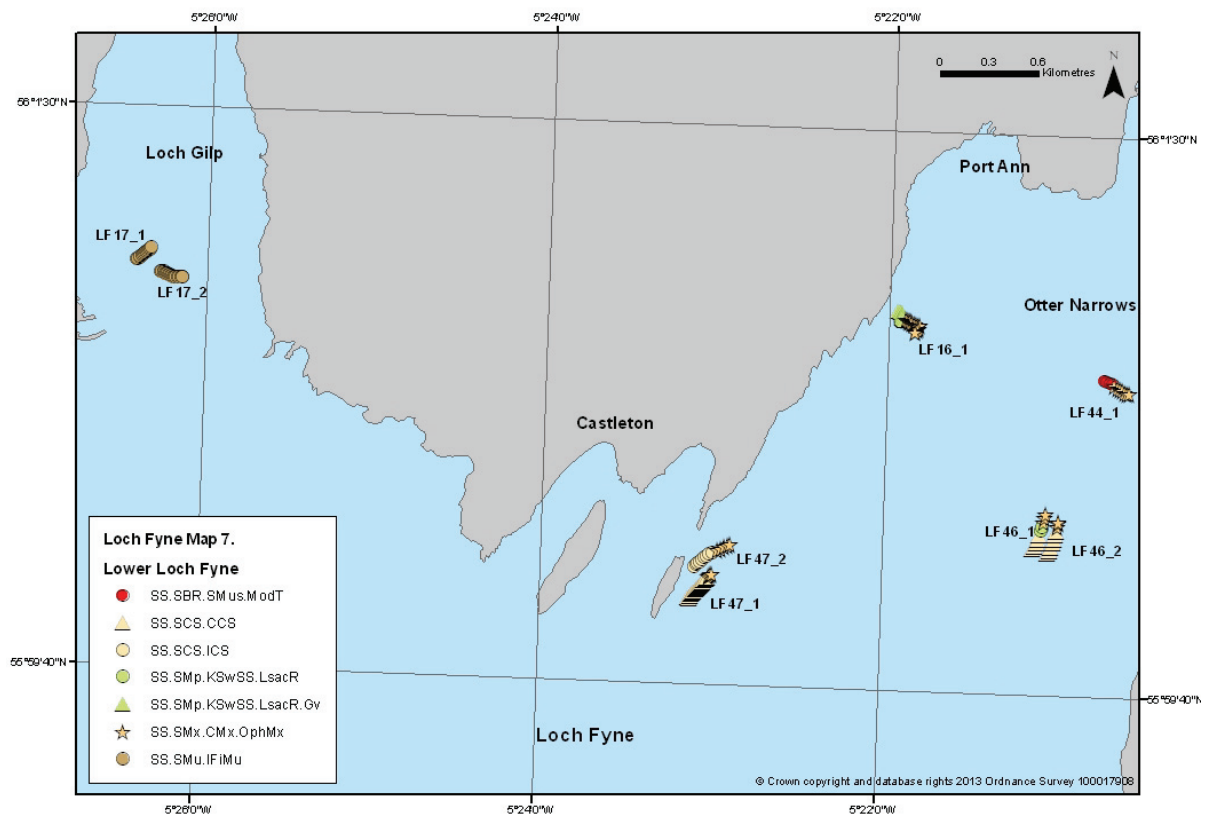


Figure 18. Loch Fyne Map 8. - Lower Loch Fyne.

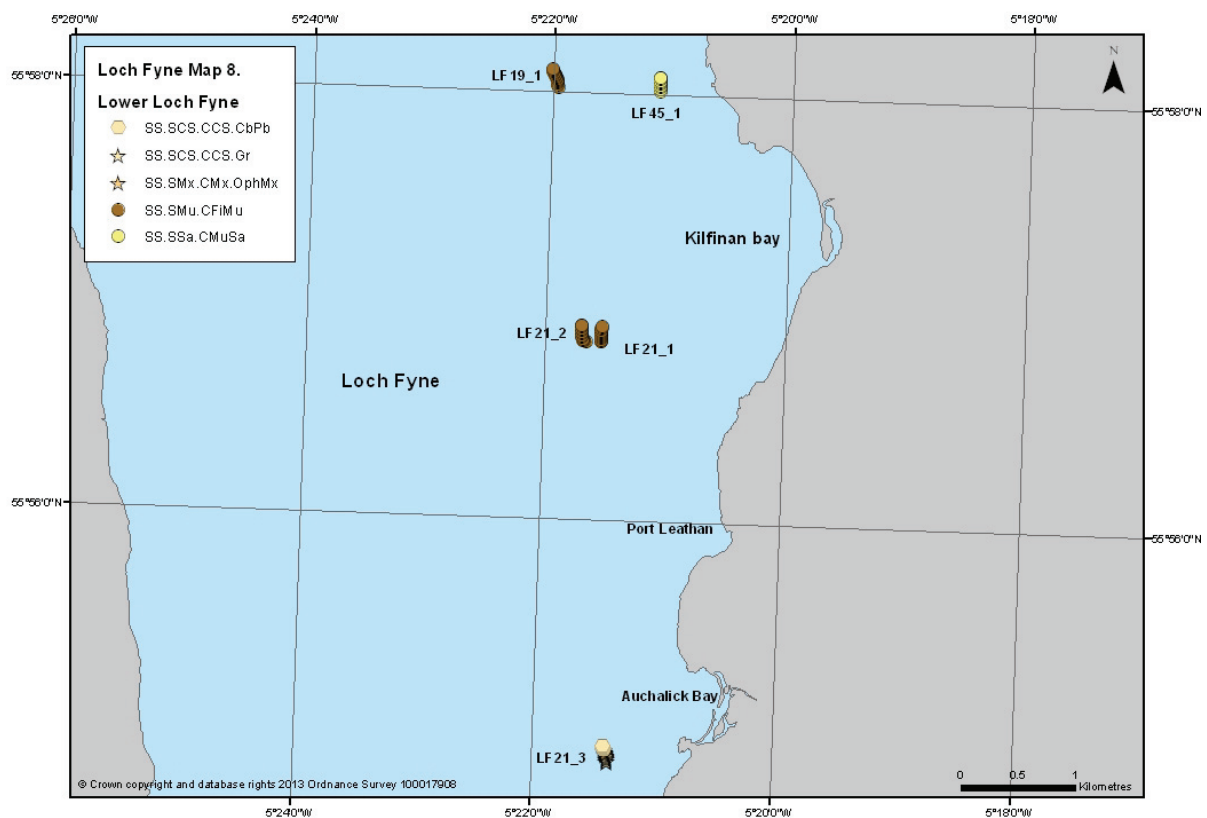


Figure 19. Loch Fyne Map 9. - Lower Loch Fyne

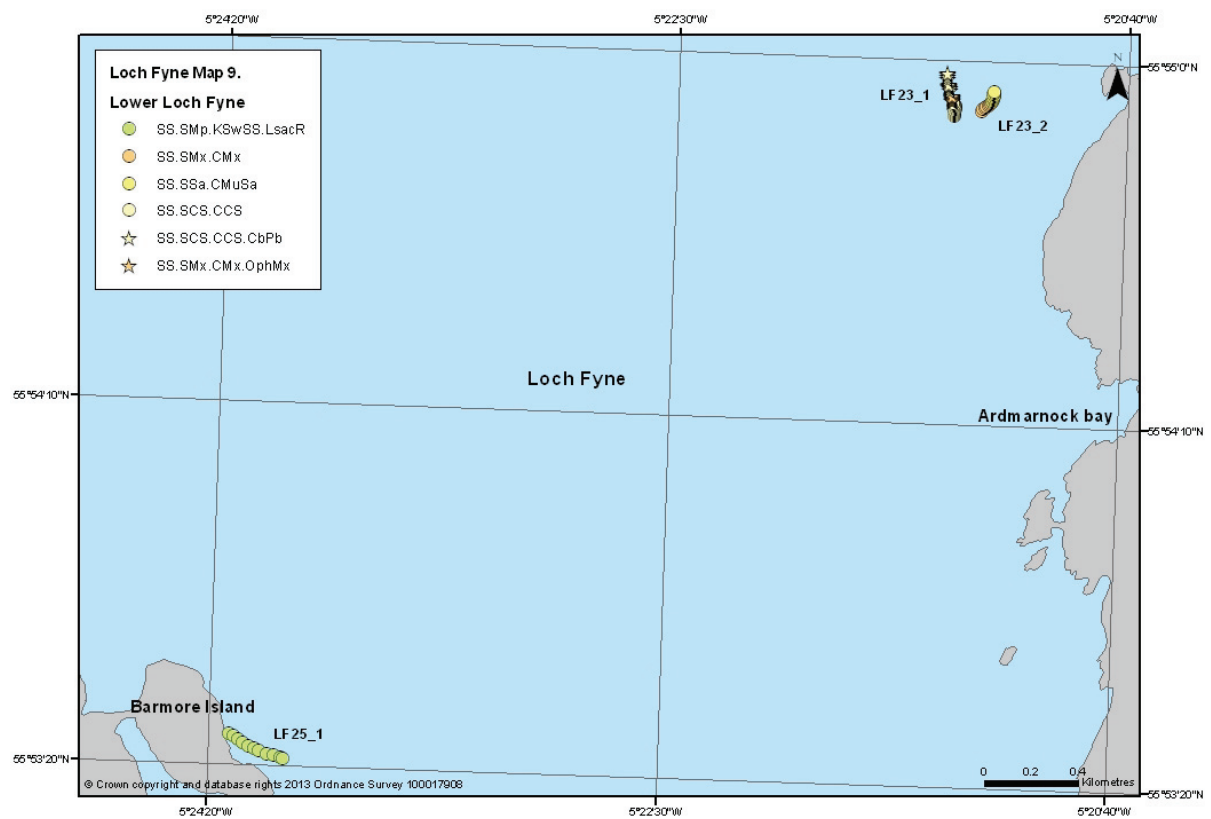


Figure 20. Loch Fyne Map 10. - Lower Loch Fyne

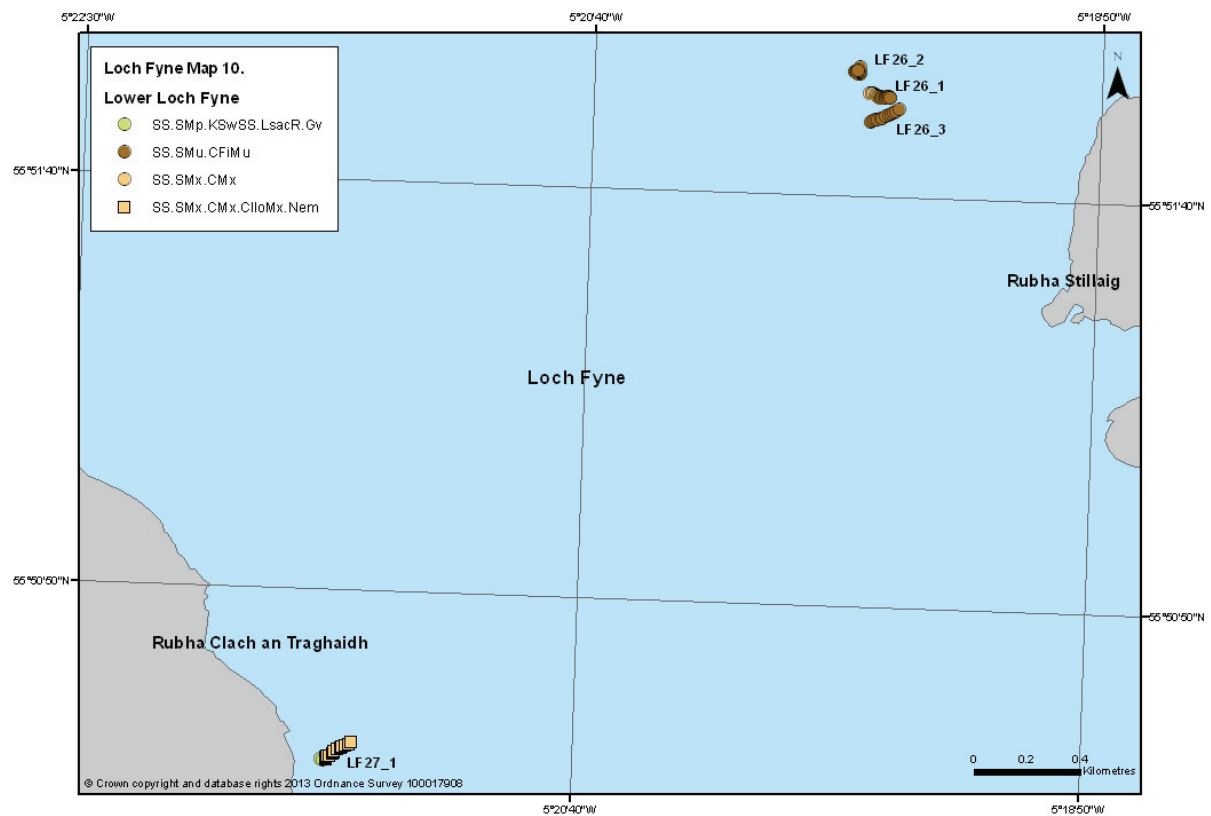


Figure 21. Loch Fyne Map 11. - Lower Loch Fyne

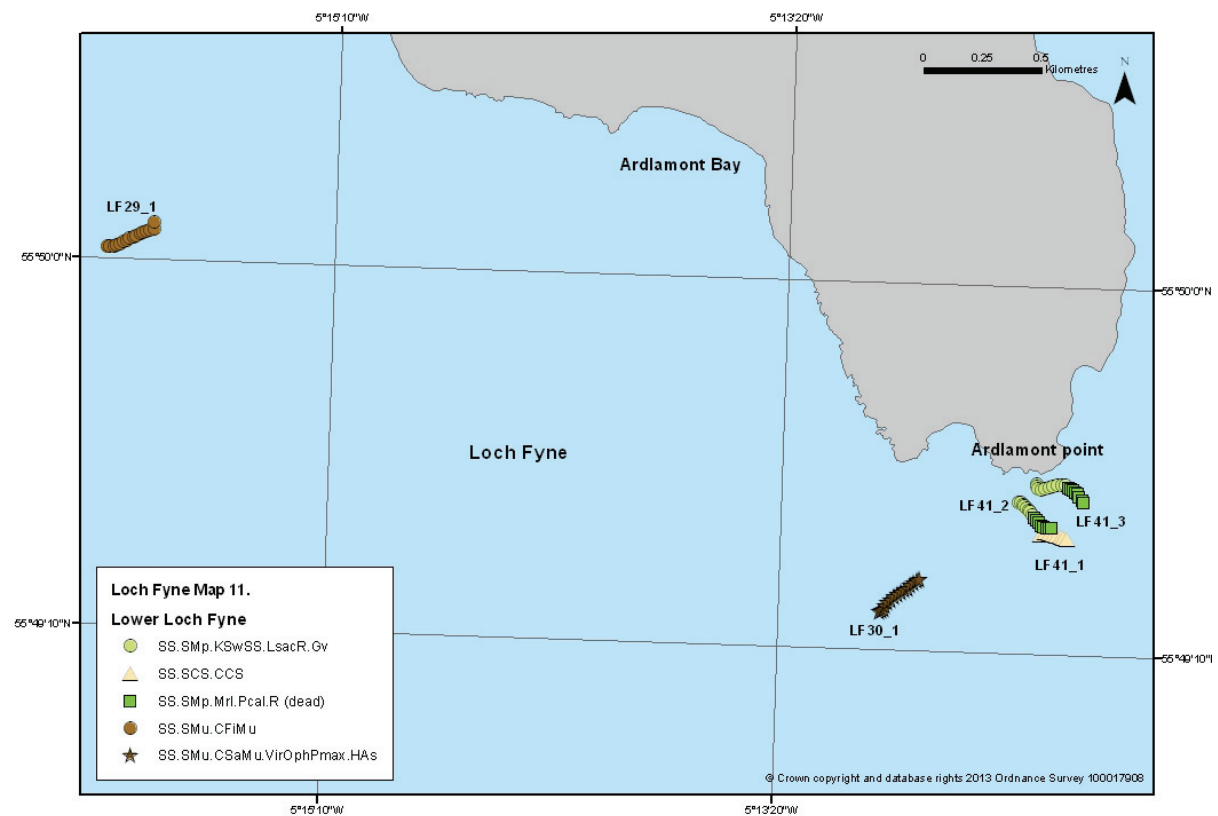


Figure 22. Loch Fyne Map 12. - Inchmarnock Island

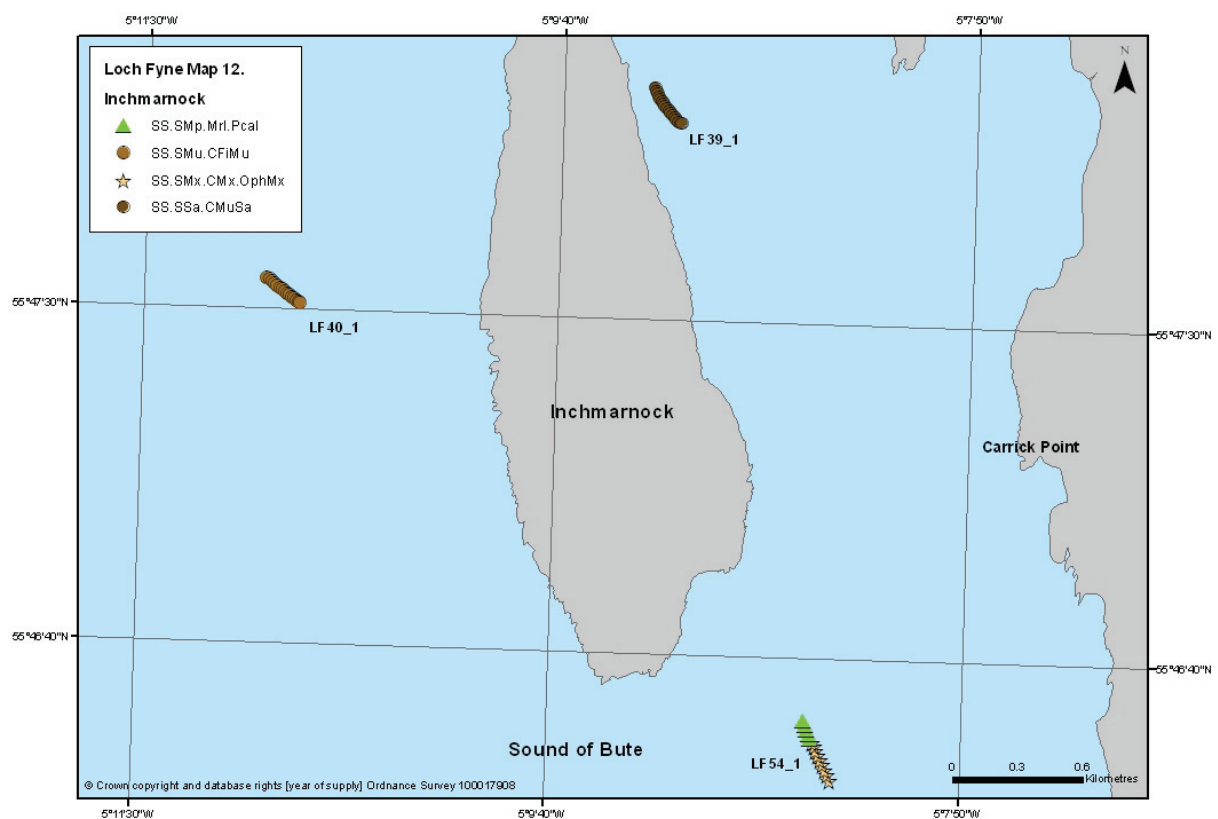


Figure 23. Loch Fyne Map 13. - Kyles of Bute.

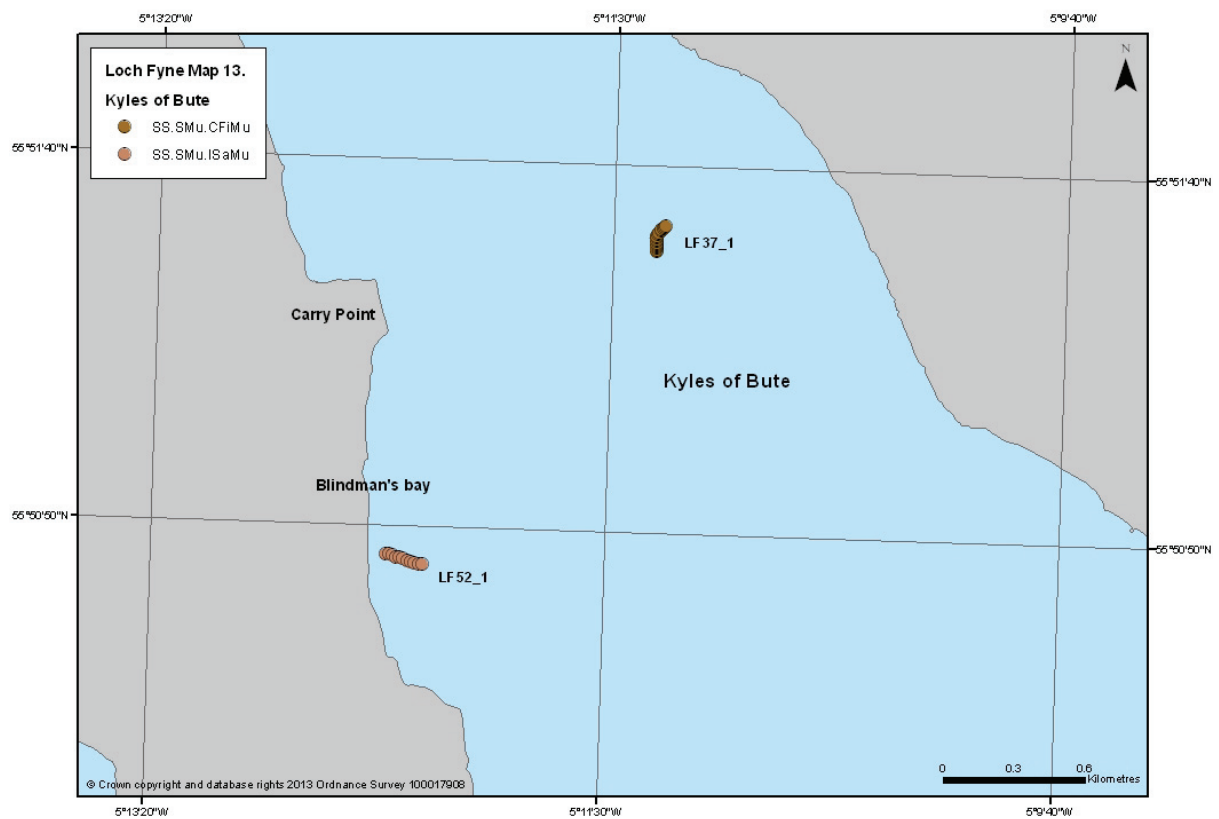


Figure 24. Loch Fyne Map 14 - Kyles of Bute

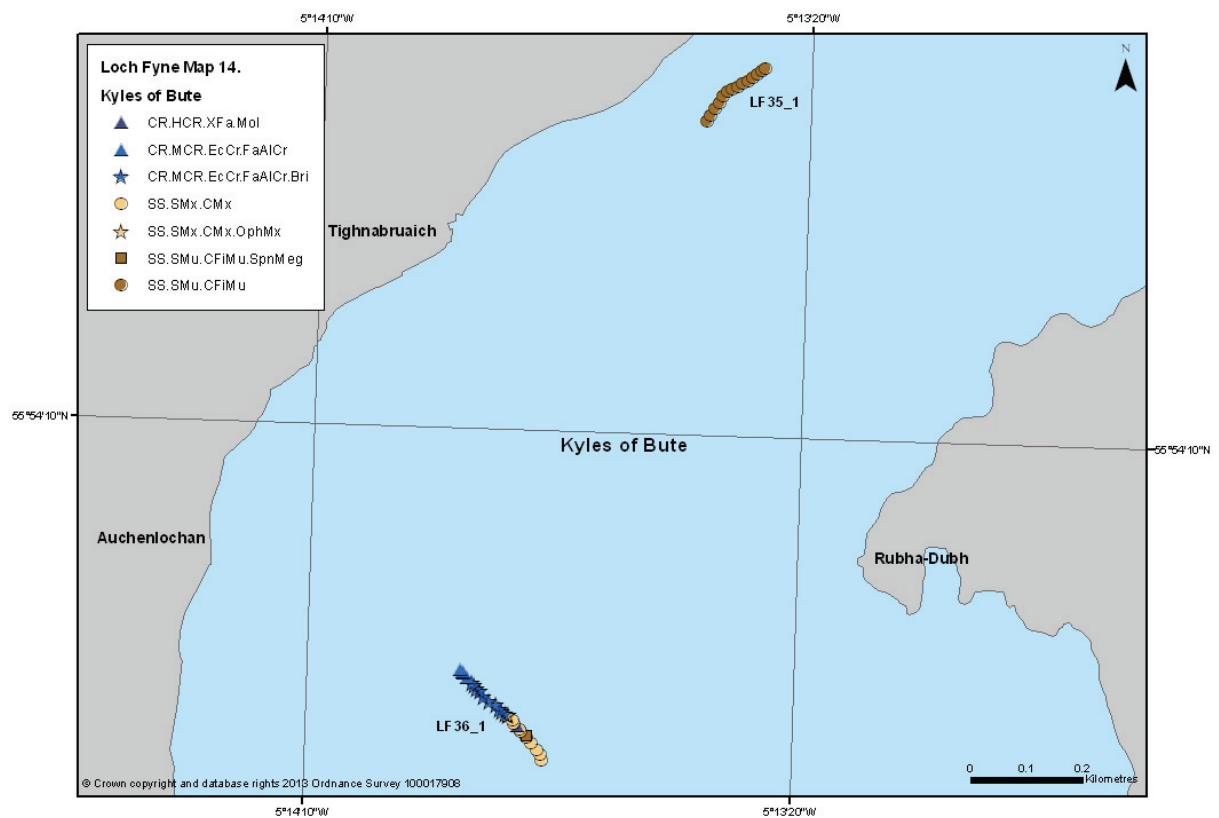
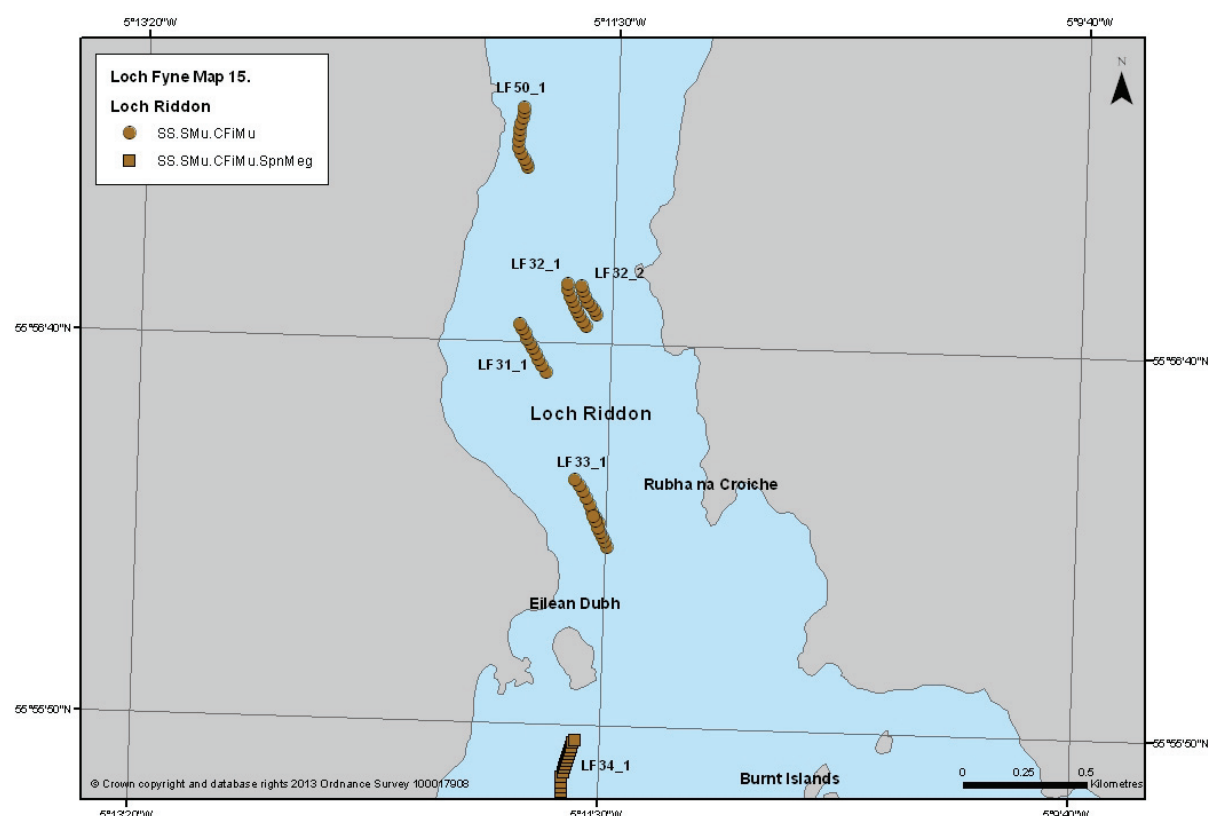


Figure 25. Loch Fyne Map 15 - Loch Riddon.



3.1.2 Summary of habitats and species observed in Loch Long survey area

Maps (Figures 27 – 48) have been produced to show the biotopes recorded from the video footage during each drop down video transects within the Loch Long survey region. The locations of these maps can be referenced in Figure 26.

As with the Loch Fyne survey area, the majority of habitats observed in Loch Long were soft sediment types. To the north and west of the island of Little Cumbrae areas of sandy, gravelly mud was inhabited by *Turitella communis* (O-C) and *Ophiura ophiura* (O) with *Amphiura* sp. (A) (Figure 27). To the east of the island mixed sandy mud sediments were present. Similar sea bed characteristics were also observed around the Great Isle of Cumbrae (Figures 28 and 29) although the mixed sediment areas were characterised by high numbers of the anemone *C.lloydii* (A) (**SS.SMx.CMx.CiloMx.Nem**) (Figure 25) and Onchidorididae sea slugs, whilst the sandy mud areas had high numbers of *Amphiura* spp. (A) (**SS.SSa.CMuSa.AbraAirr**).

In the East Kyle of Bute the sea bed comprised sandy-mud sediments whilst shallow areas were sandy with areas of kelp and seaweed (Figure 30). Further north in the east Kyles of Bute kelp and seaweed communities again dominated the shallow water with a large area observed to the north of Ardmachieish point (**SS.SMp.KSwSS.LsacR.GV, SS.SMp.KSwSS.LsacR.LsacCho**) (Figure 31). Fine mud was observed within the central channel of the Kyles of Bute with *V.mirabilis* frequent south of Colintrave (Figure 32). Greater variation in sea bed habitat type was observed around the Burnt islands with *V.mirabilis* found in the muddy sediment to the east of the islands and mixed sediments at shallower depths. To the west of the islands dense beds of *O. fragilis* (S) and *O. nigra* (A) were recorded along with kelp (**IR.MIR.KR**). To the north of the islands again dense beds of brittlestars were observed (**SS.SMx.CMx.OphMx**).

Soft sediments extended into Loch Striven, where fine and sandy mud was found in the deeper regions from the mouth to the head of the loch. High numbers of macrofaunal burrows were observed in the fine mud (Figure 33, 34, and 35) with the sea pen *V.mirabilis* (C-F) and *N. norvegicus* (F) in some areas. Areas of bedrock were also recorded amongst the sandy mud to the north of Brackly point with *Ciona intestinalis*, *E.echinus* and *Liocarcinus depurator* frequent (**CR.LCR.BrAs.AmenCio**).

Lower Loch Long was characterised by fine mud (**SS.SMu.CFiMu**) with the sea pen *V.mirabilis* occasionally observed. Mixed sediment in shallower areas, were again inhabited by *Cerianthus lloydii* (O) (**SS.SMx.CMx**) (Figures 36 and 37).

At the junction of Loch Long with Holy Loch and Gareloch there were areas of fine sediment with large numbers of macrofauna burrows and sandy mud (Figure 38). Within Holy Loch itself, fine mud with *V. mirabilis* was common with kelp south of Strone point (Figure 39).

Soft sediment areas continued to the head of Loch Long, with sediment becoming sandier or mixed in shallower areas. In very shallow areas (~5 m or shallower) kelp and seaweed communities were present (Figure 40). There were some areas of exposed bedrock at the edges of Loch Long supporting **CR.LCR.BrAs.NeoPro** and sub-biotopes (Figure 44). In deeper areas mud dominated the sea floor (**SS.SMu.CFiMu**) with some sea pens in places (**SS.SMu.CFiMu.SpMg**). In addition possible *Maxmuellaria lanskeri* mounds were observed (**SS.SMu.CFiMu.MgMax**) (Figure 43). The sea bed consisted of coarser sediment towards the head of the Loch (Figure 45).

At Carraig nan Ron, at the mouth of Loch Goil (LL62), patches of the horse mussel *Modiolus modiolus* (**SS.SBR.SMus.ModHAs**) were observed amongst brittlestars (Figure 41). Towards shallower areas of this transect horse mussels were seen amongst cobbles and boulders (**SS.SBR.SMus.ModT**). Loch Goil itself was characterised by sandy mud with *Amphiura* spp. and some sea pens in the deeper regions (Figure 42). Sediment then became more mixed in the shallower areas, with some **CR.LCR.BrAs.NeoPro** at the edges. From Loch Goil to the head of Loch Long the habitats follow a similar pattern to the rest of the survey area, with soft sediments characterising the deepest parts often dominated by *C.lloydii* grading into coarser sediment in shallower areas, with patches of **CR.LCR.BrAs.NeoPro**.

Sediment at the mouth of Gareloch was mixed with *C.lloydii*, *Ophiura albida*, and bryzoans frequent (Figure 46). Central Gareloch had some areas of sandy mud and mixed sediment, including *M.modiolus* (C) both live and dead, (**SS.SBR.SMus.ModT**) in shallow waters off Crossowen Point and brittlestar beds to the western edge (Figure 47). Towards the eastern side mixed, coarse sediment was apparent with fine mud and dense brittlestars occupying the central channel. At the head of Gareloch (Figure 48) there was an abundance of *Polydora* sp. tubes, which are usually found in areas of variable salinity, suggesting a source of freshwater input in this area. However, there was no other evidence of this.

Figure 26. Location of Figures 27 – 48 located within the Loch Long region.

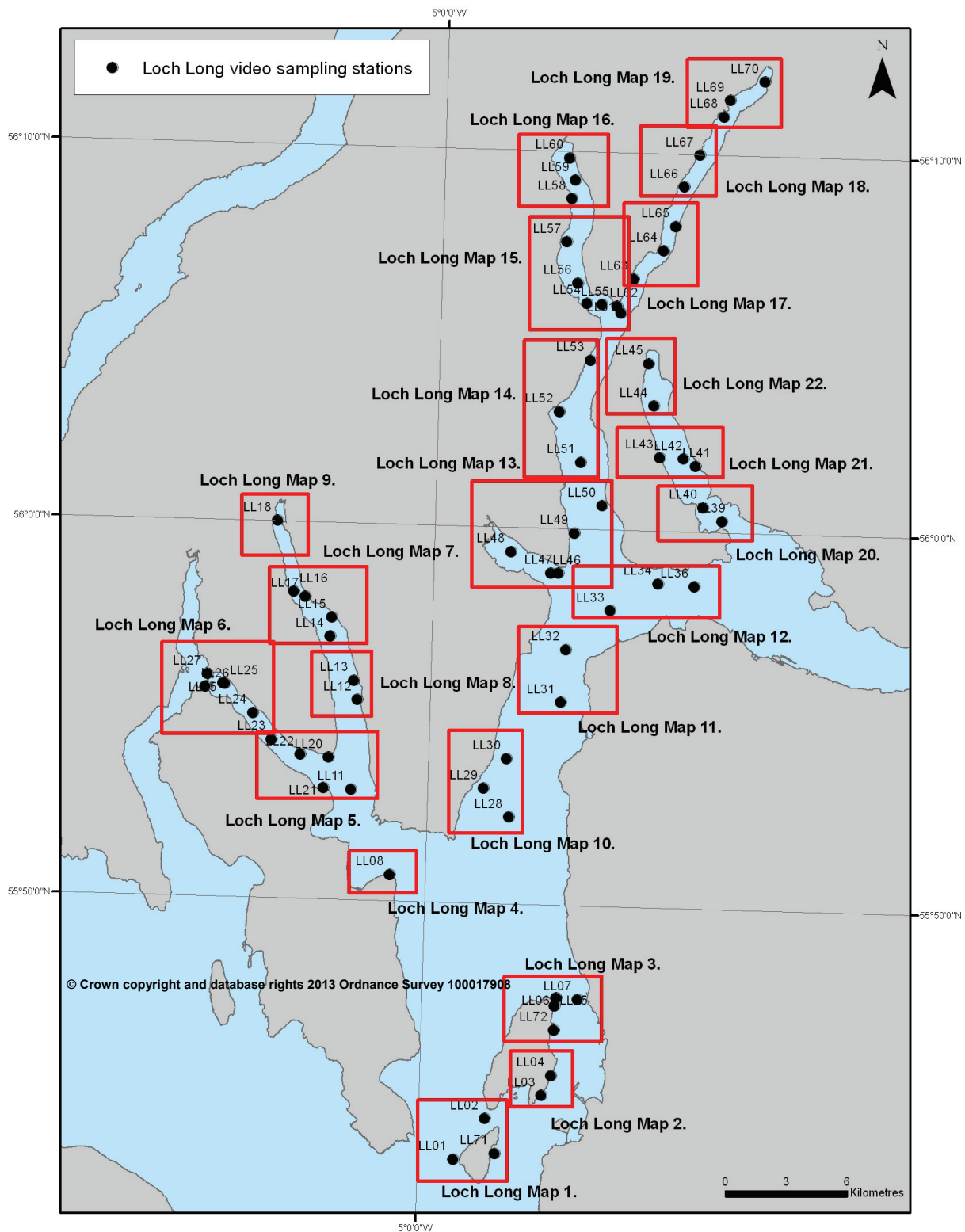


Figure 27. Loch Long Map 1. - North of Little Cumbrae.

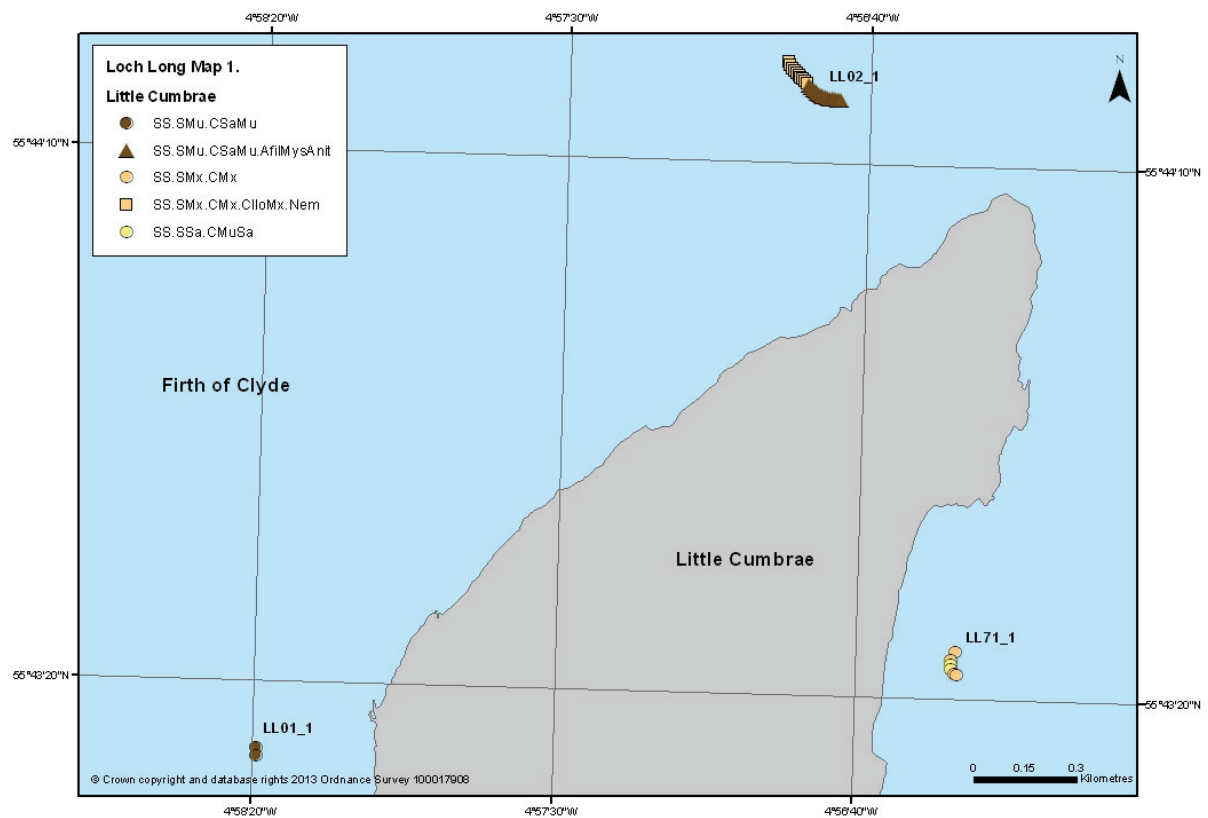


Figure 28. Loch Long Map 2. - South of the Great Isle of Cumbrae.

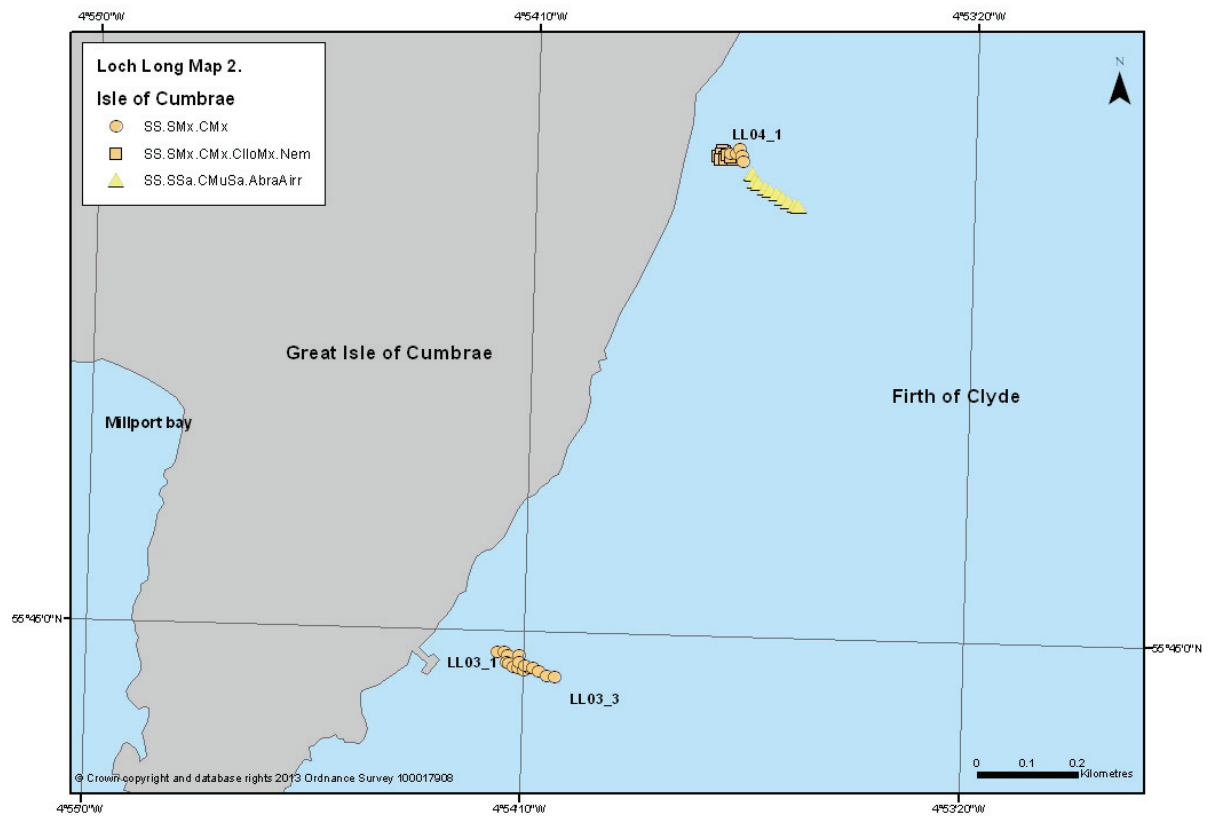


Figure 29. Loch Long Map 3. - North of the Isle of Cumbrae.

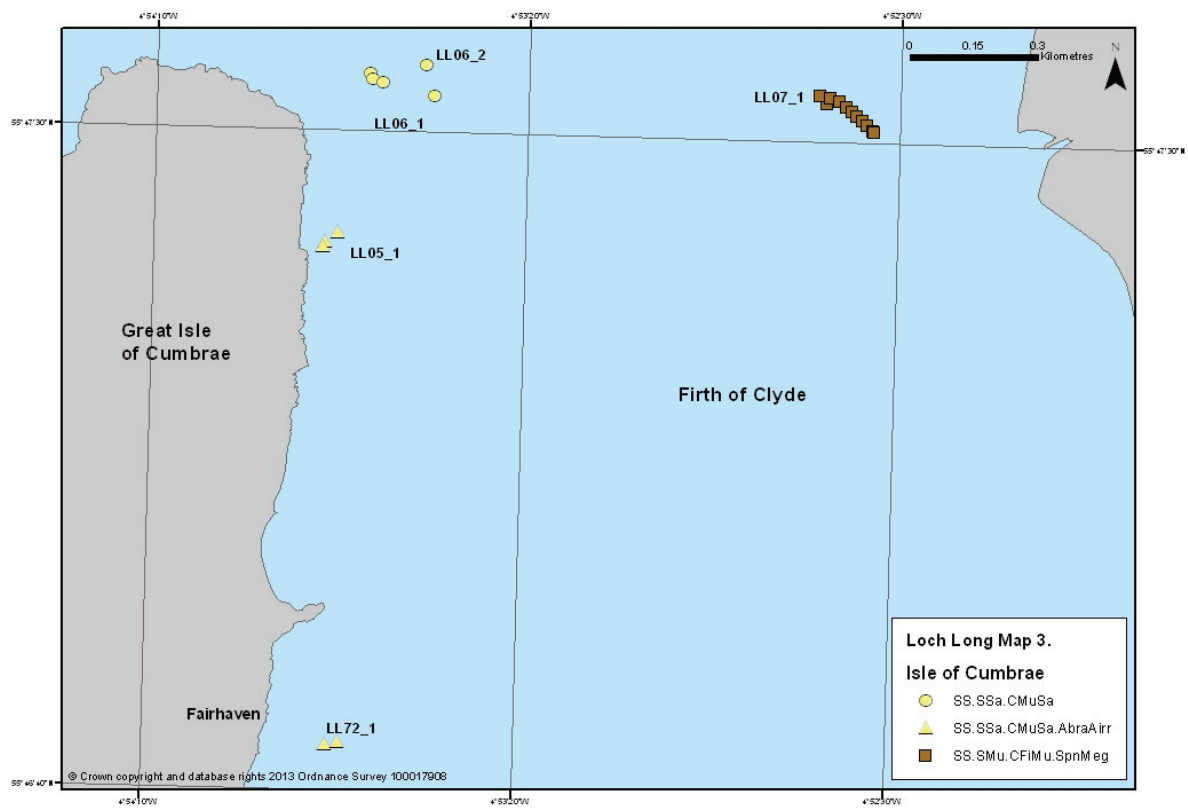


Figure 30. Loch Long Map 4. - Eastern Kyles of Bute

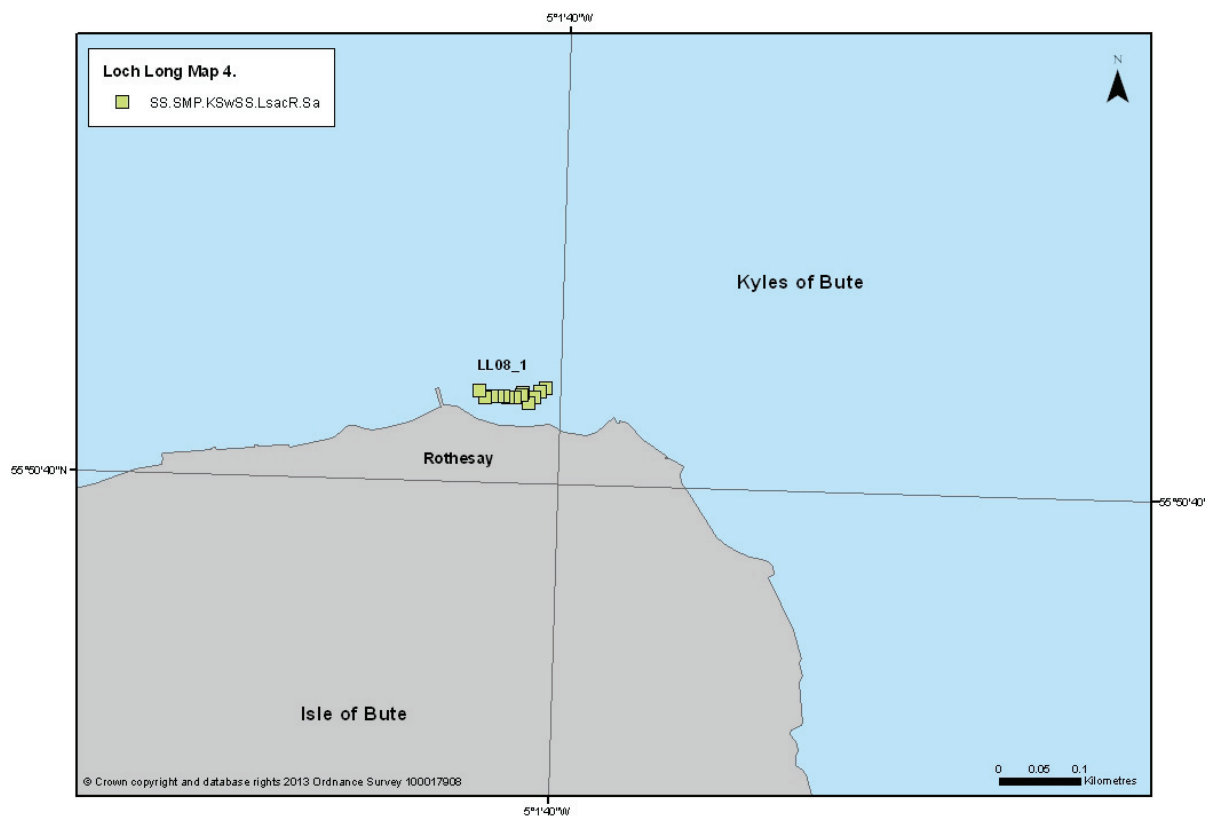


Figure 31. Loch Long Map 5. - Eastern Kyles of Bute.

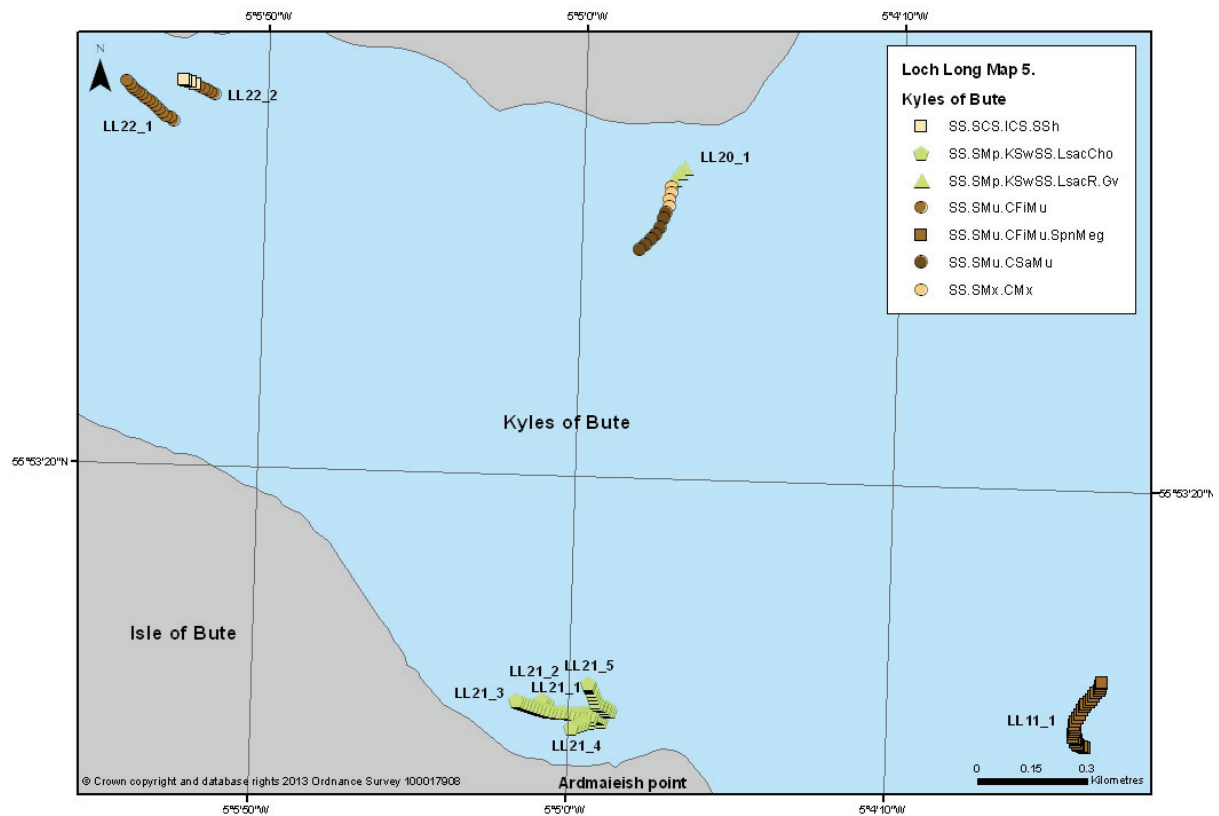


Figure 32. Loch Long Map 6. - Eastern Kyles of Bute.

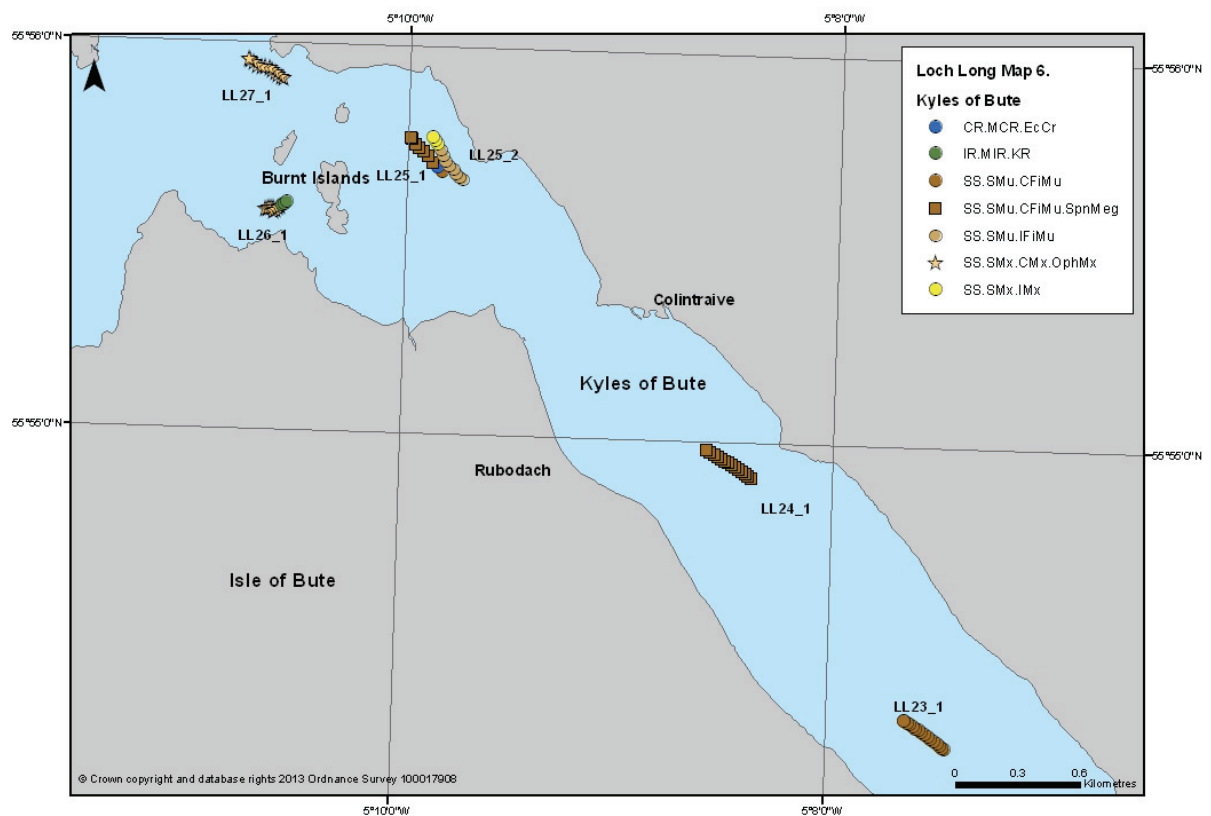


Figure 33. Loch Long Map 7.- Loch Striven.

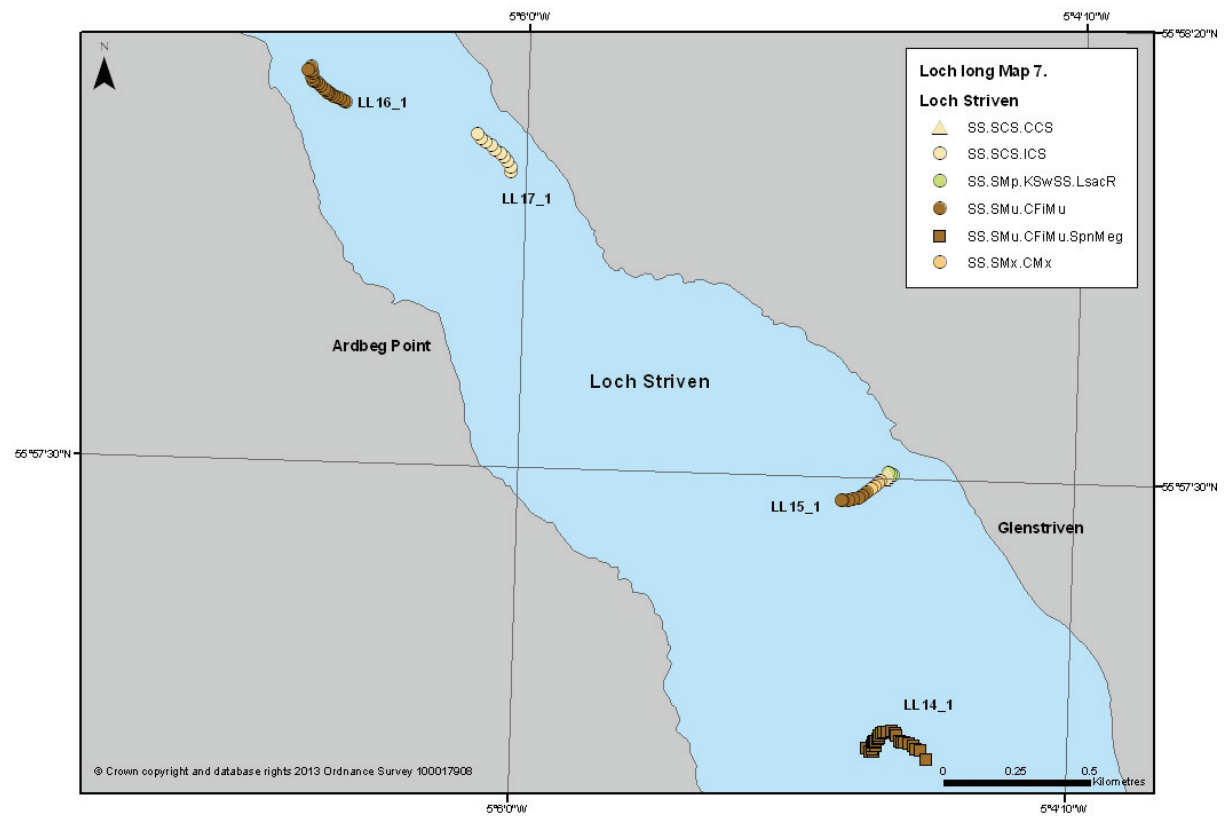


Figure 34 Loch Long Map 8. - Loch Striven.

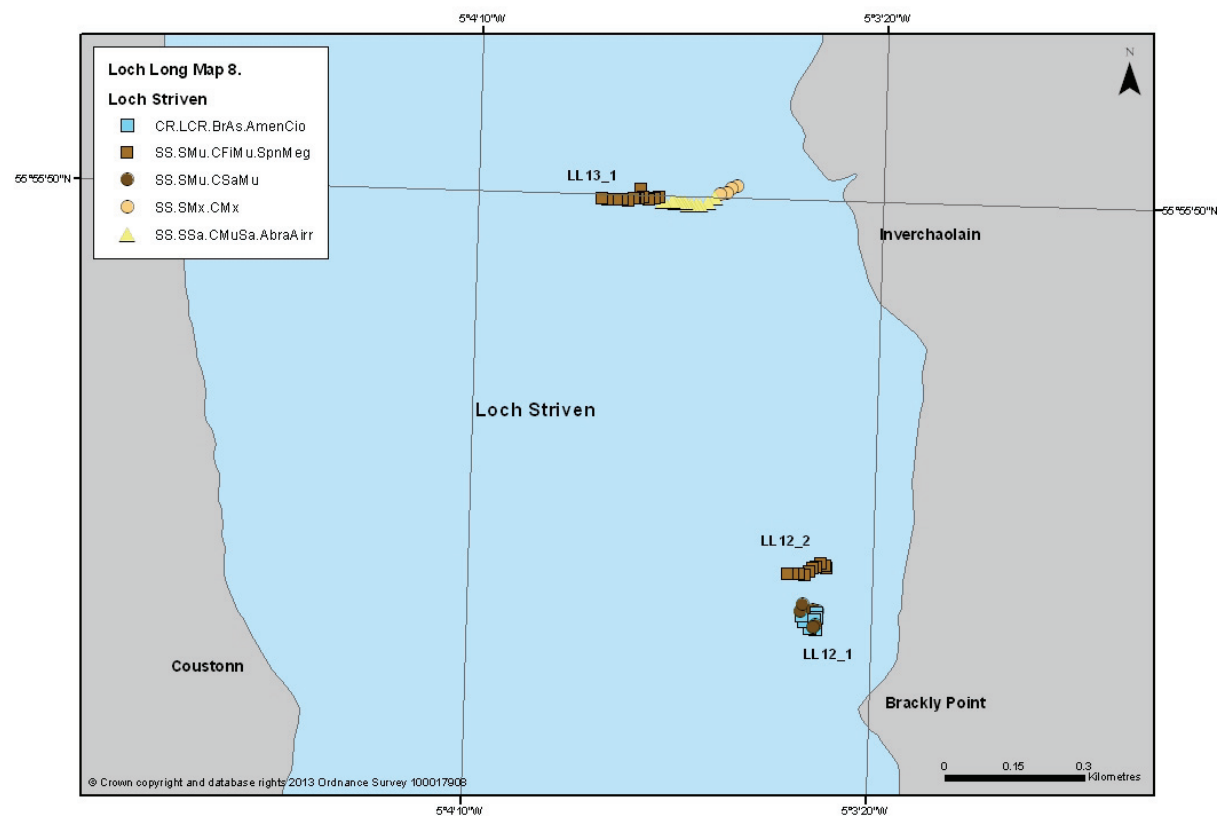


Figure 35. Loch Long Map 9. Upper Loch Striven.

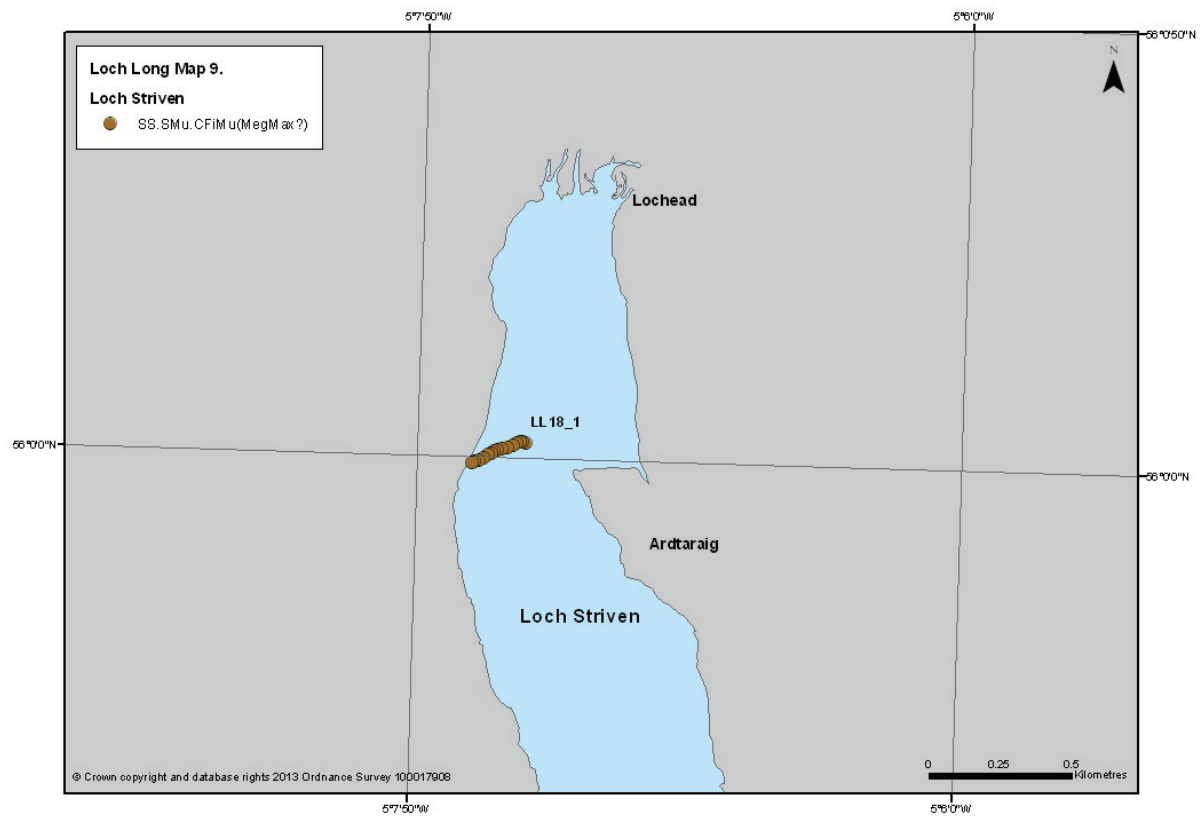


Figure 36. Loch Long Map 10. - Lower Loch Long.

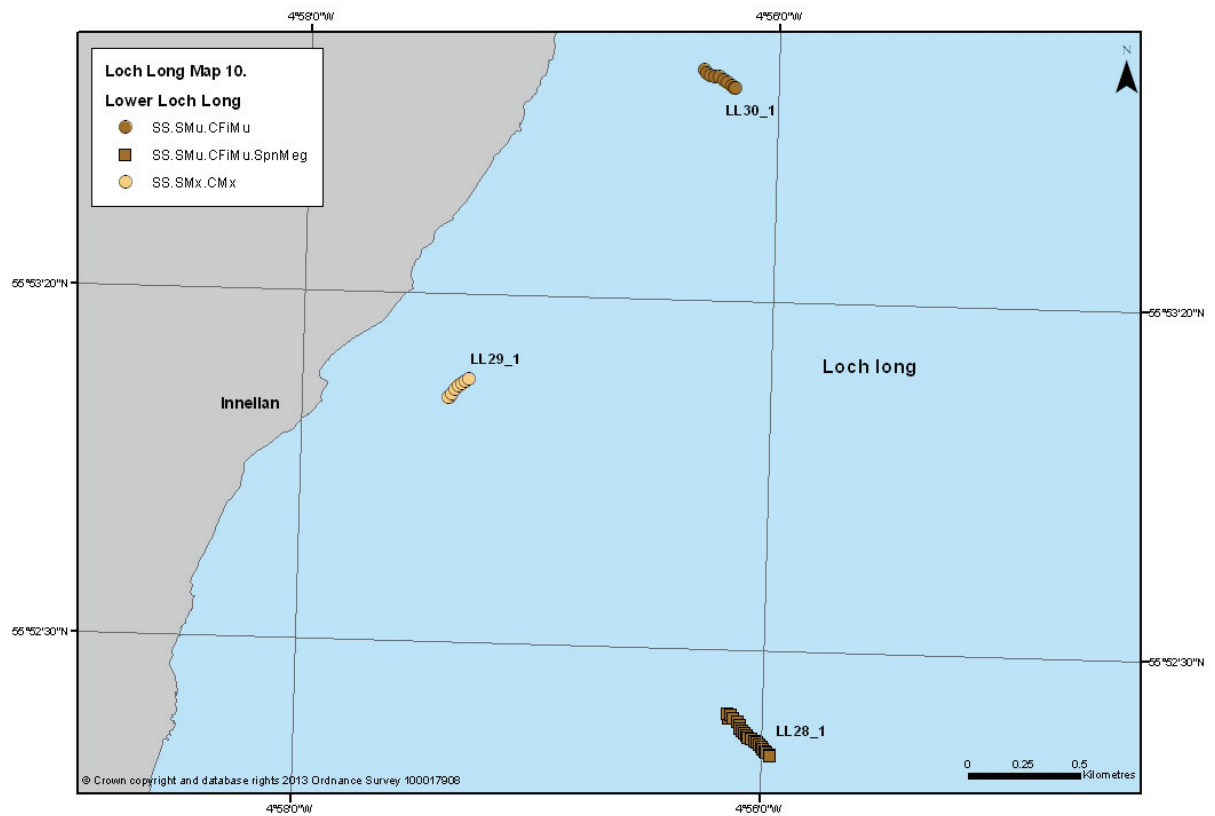


Figure 37. Loch Long Map 11. - Lower Loch Long.

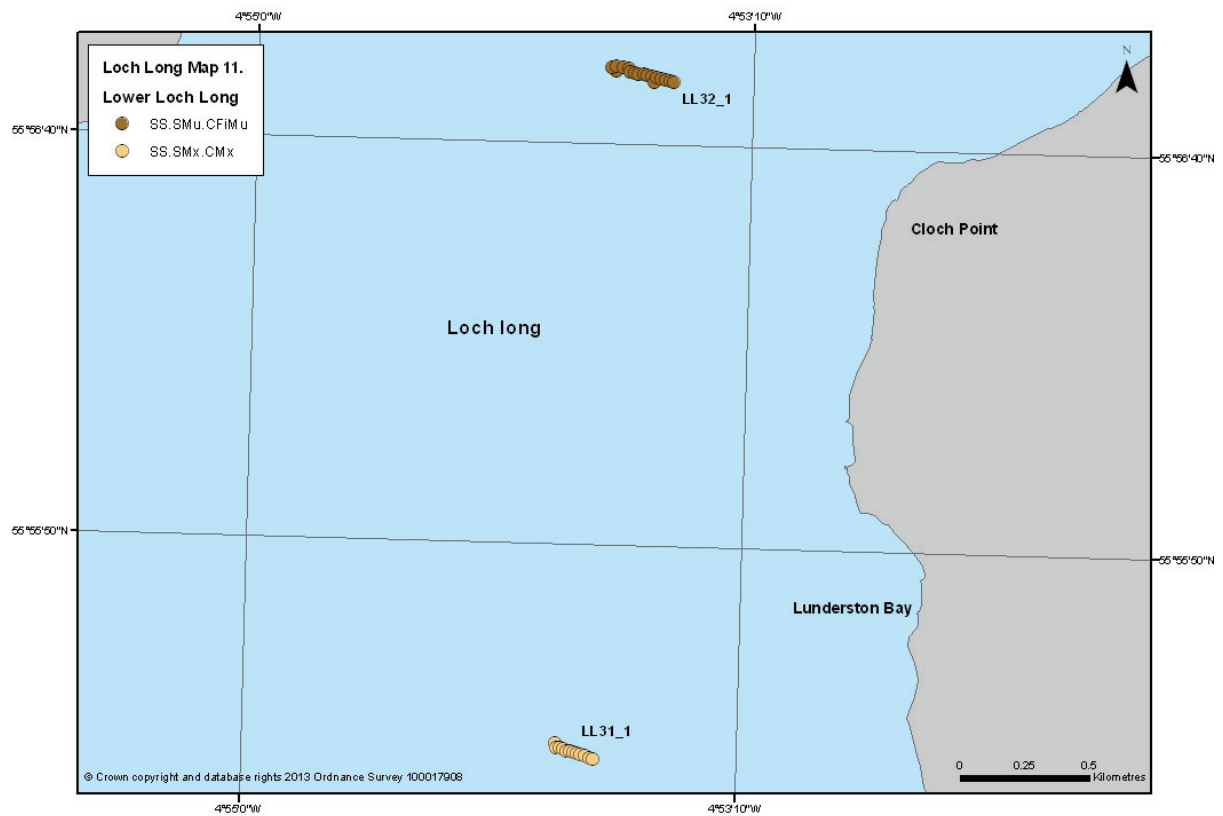


Figure 38. Loch Long Map 12. - Central Loch Long.

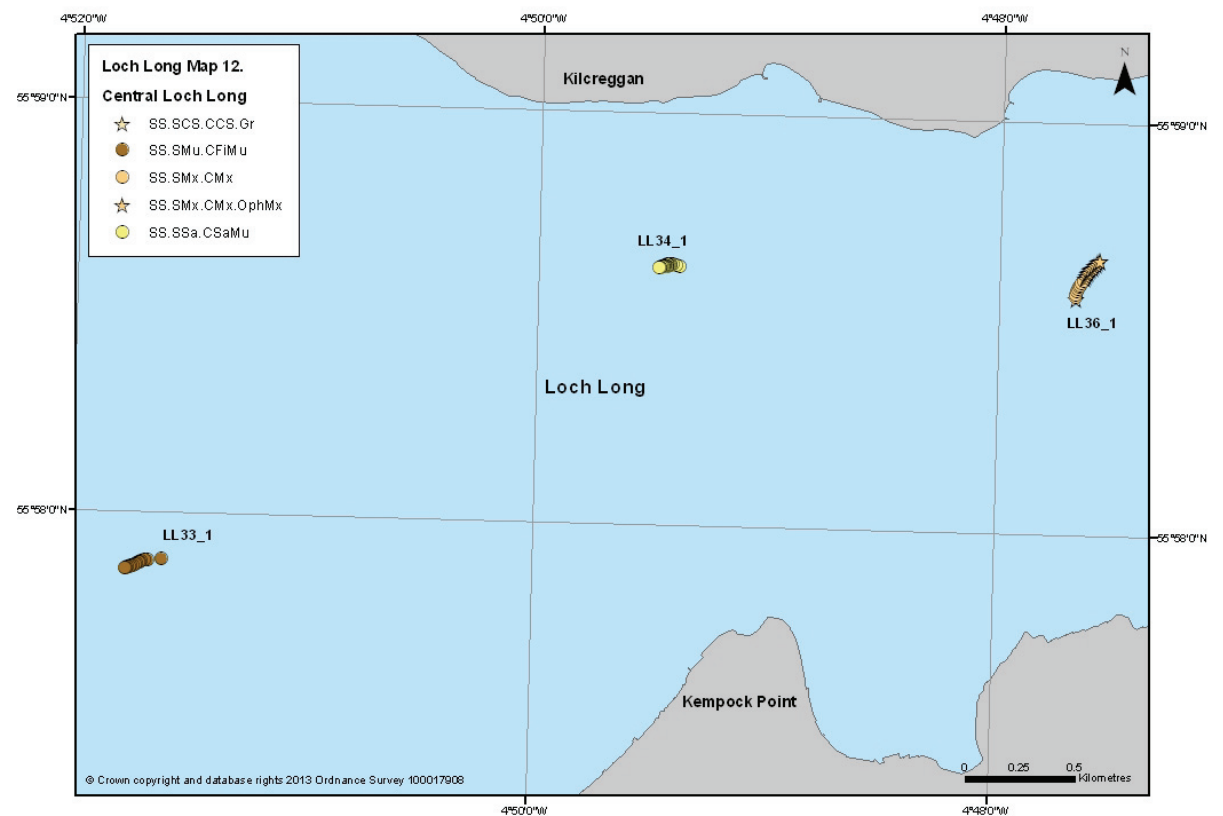


Figure 39. Loch Long Map 13. - Loch Long and Holy Loch

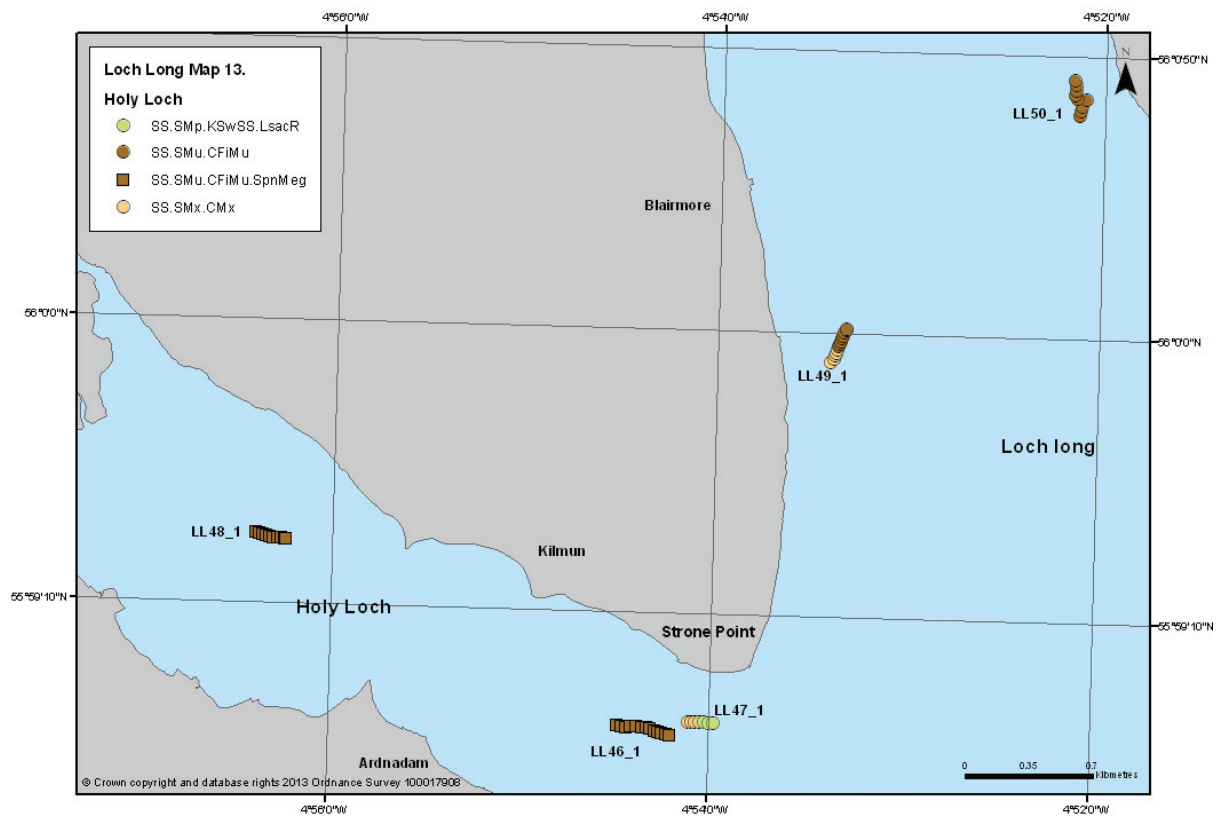


Figure 40. Loch Long Map 14. - Central Loch Long

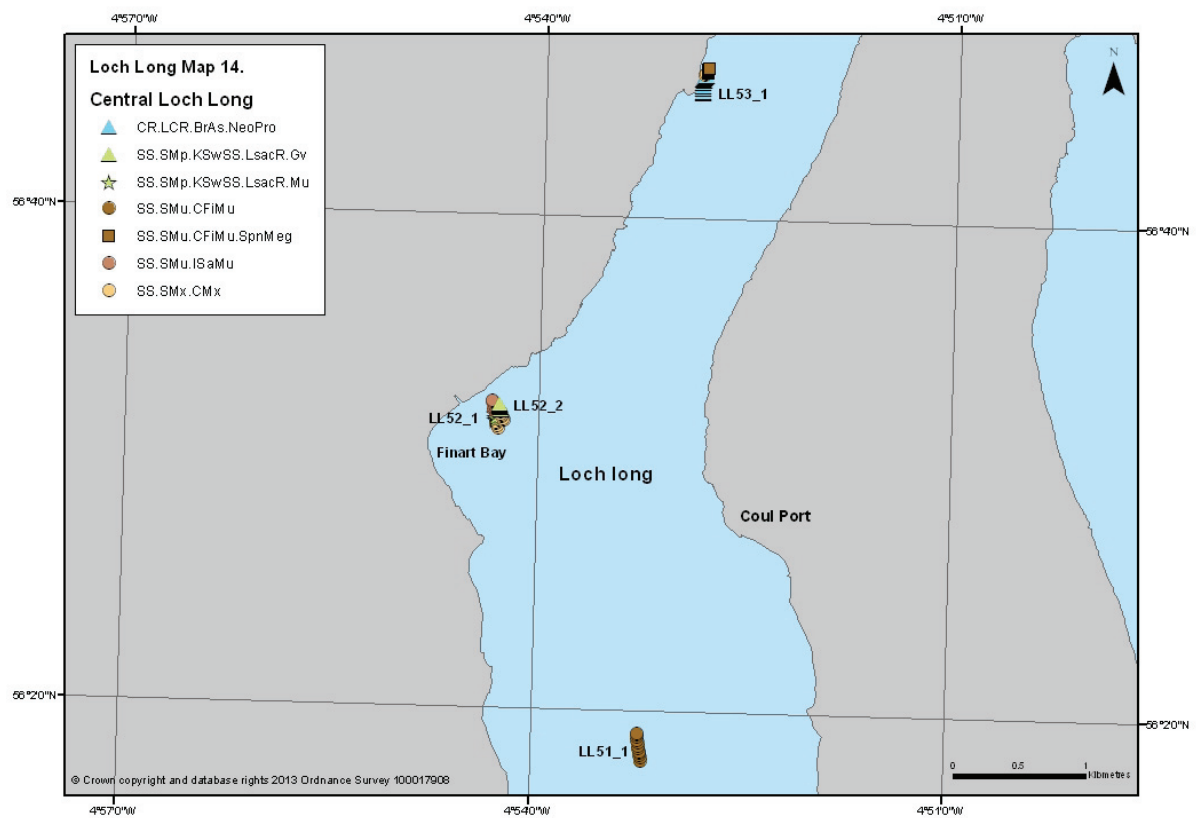


Figure 41. Loch Long Map 15. - Loch Goil (see section 3.4.2 for further detail regarding horse mussels at LL62_1)

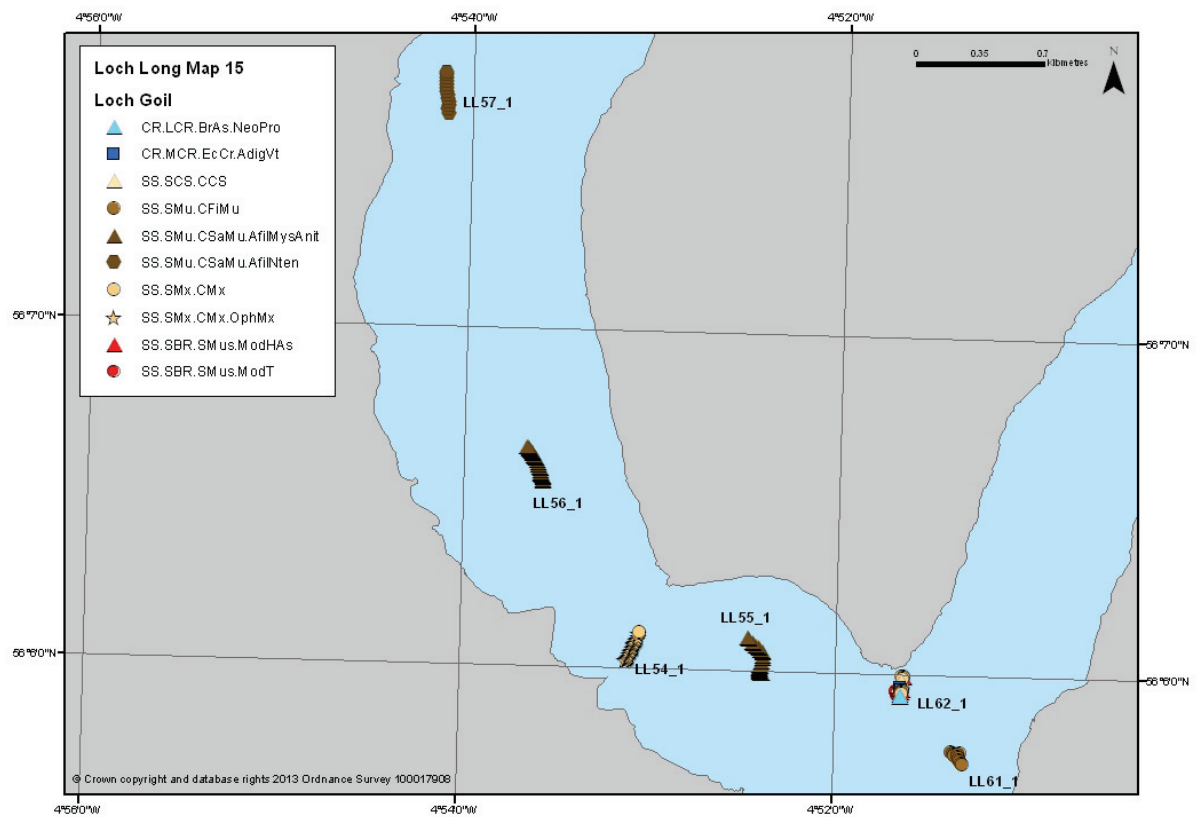


Figure 42. Loch Long Map 16.- Loch Goil.

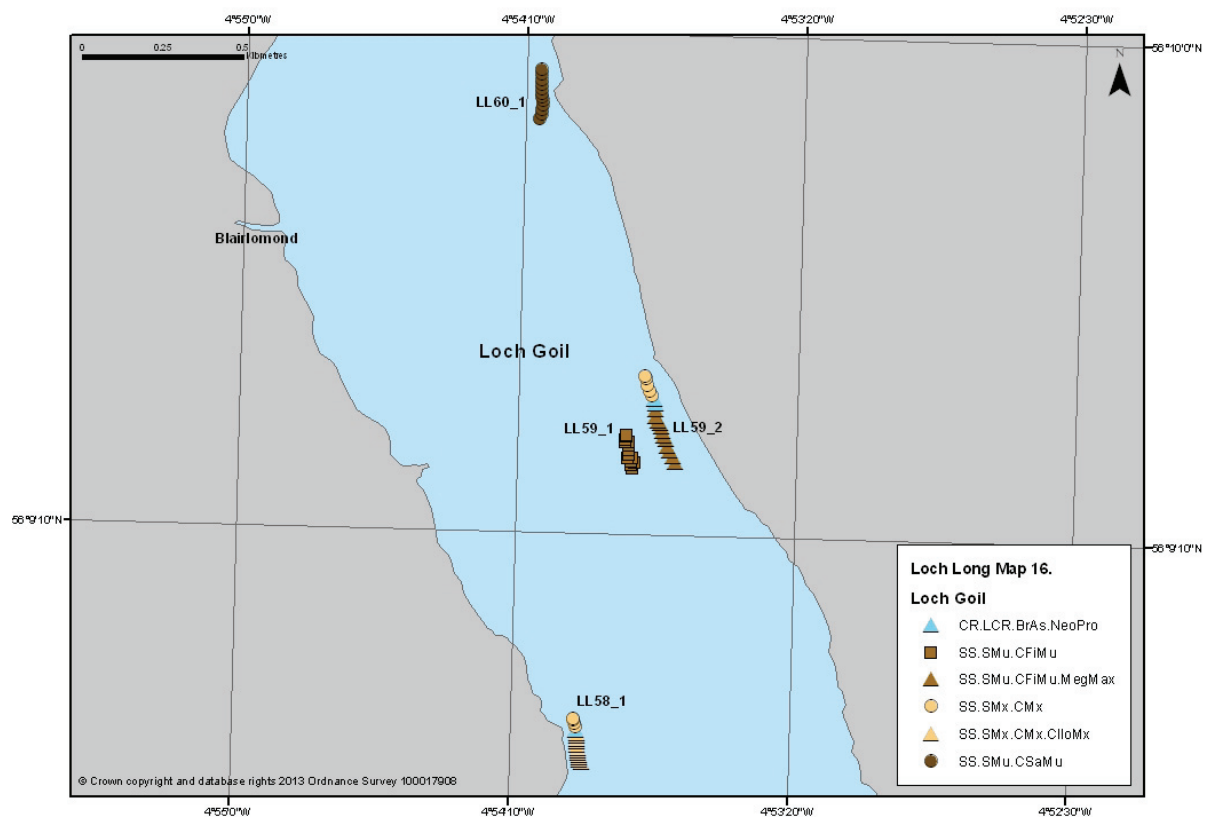


Figure 43. Loch Long Map 17.- Upper Loch Long.

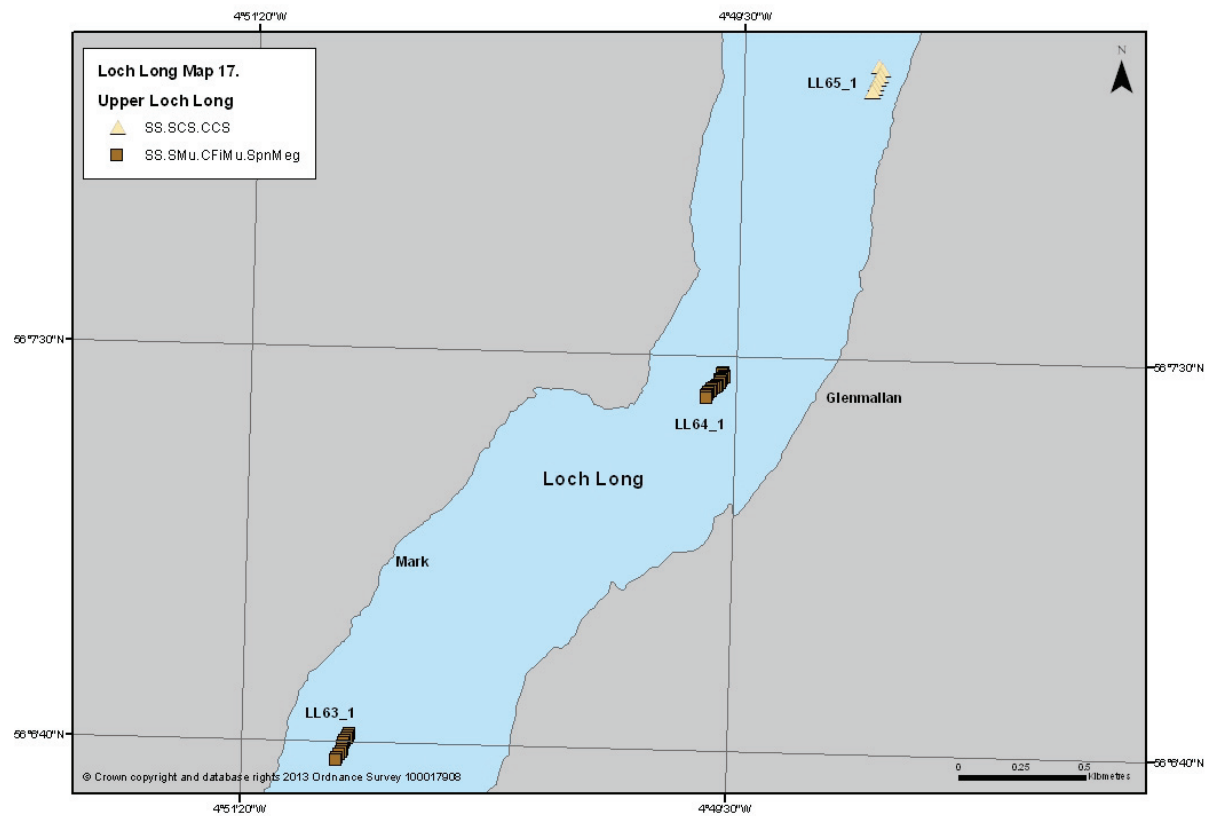


Figure 44. Loch Long Map 18. – Upper Loch Long.

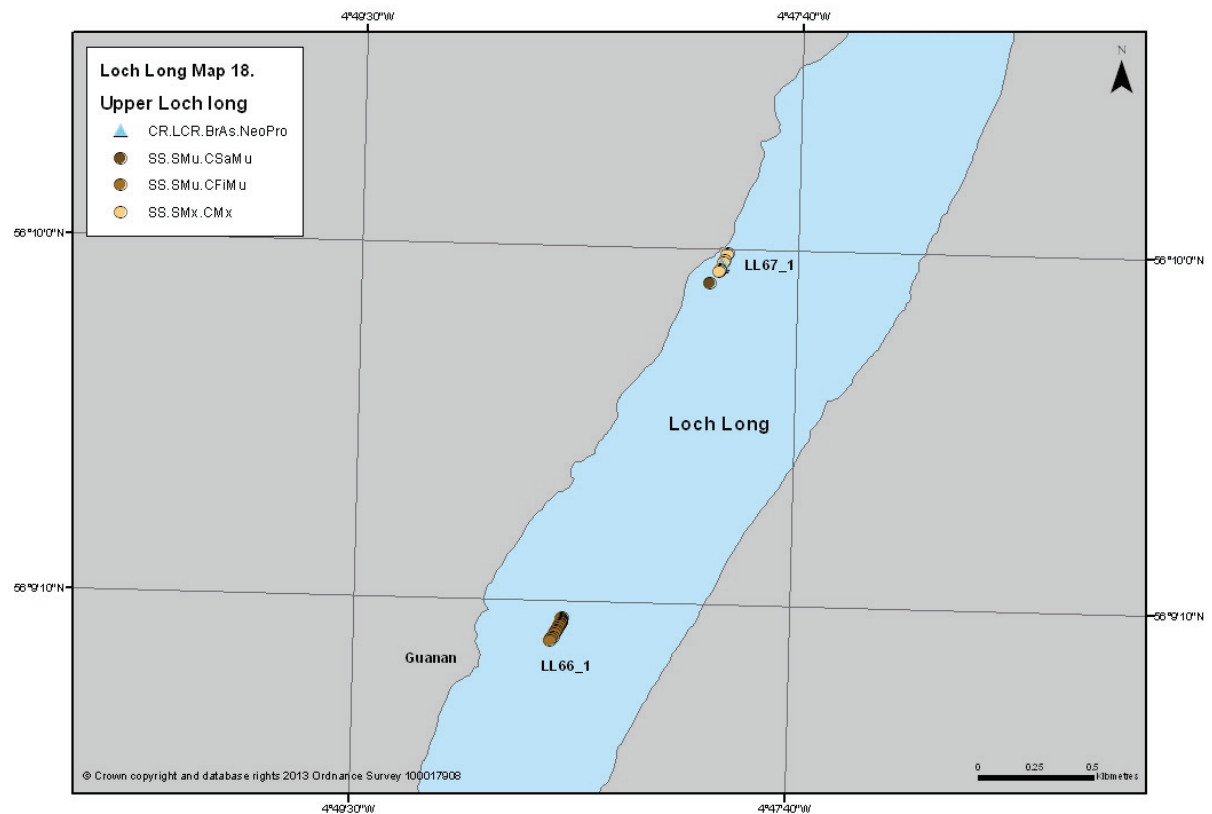


Figure 45. Loch Long Map 19. - Upper Loch Long.

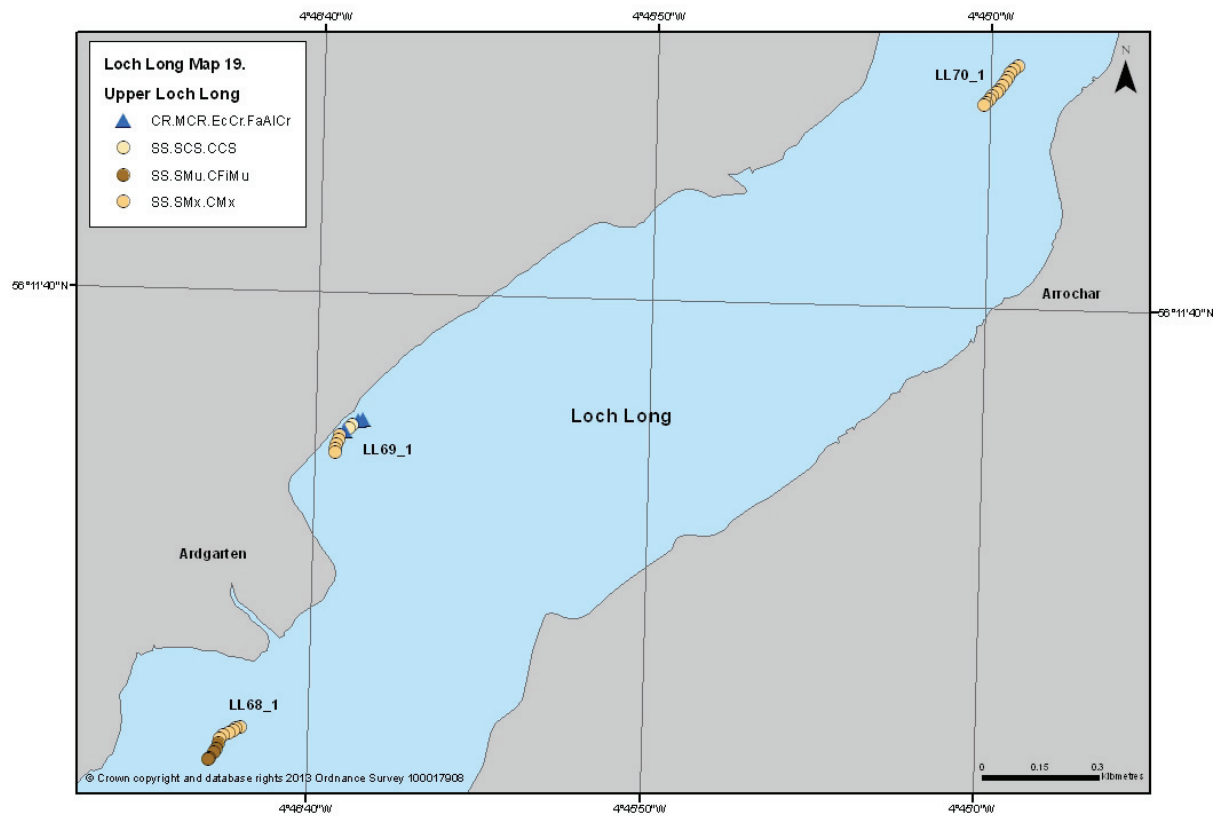


Figure 46. Loch Long Map 20 - Gareloch.

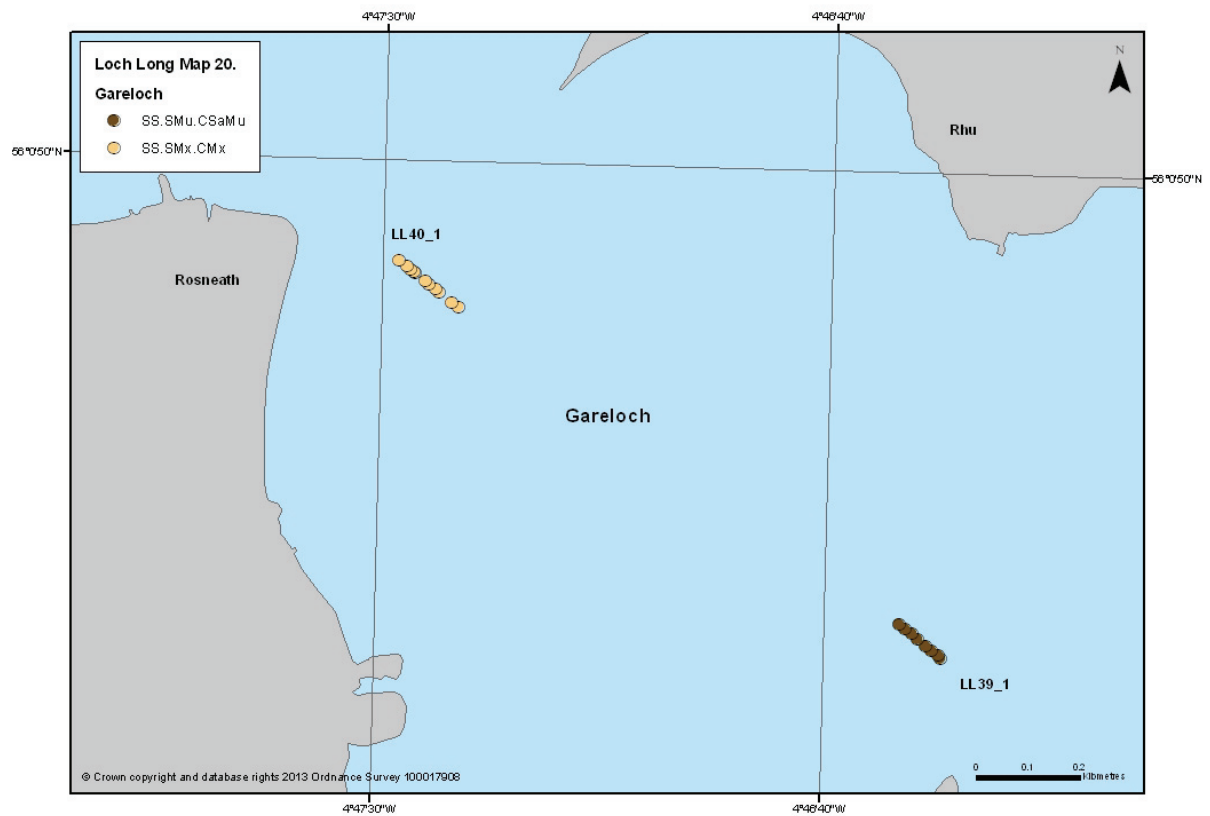


Figure 47. Loch Long Map 21 – Gareloch (see section 3.4.2 for further detail regarding horse mussels at LL43_1)

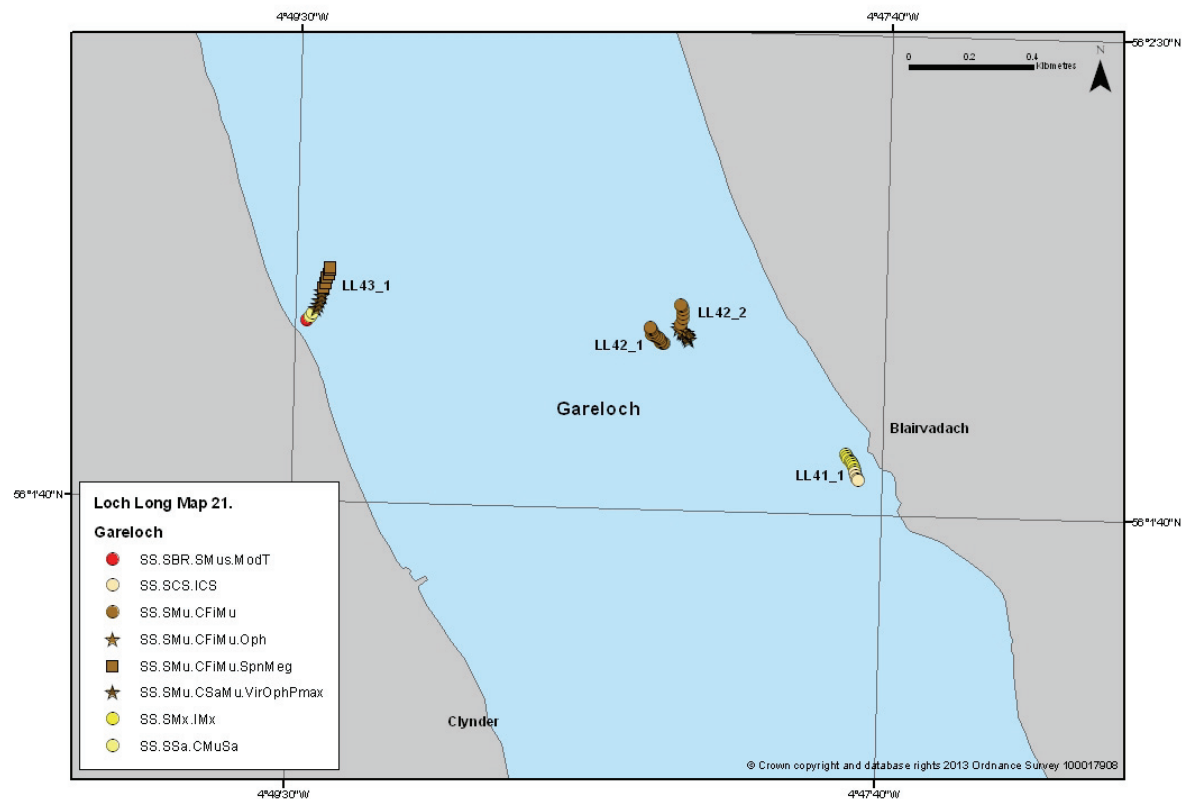
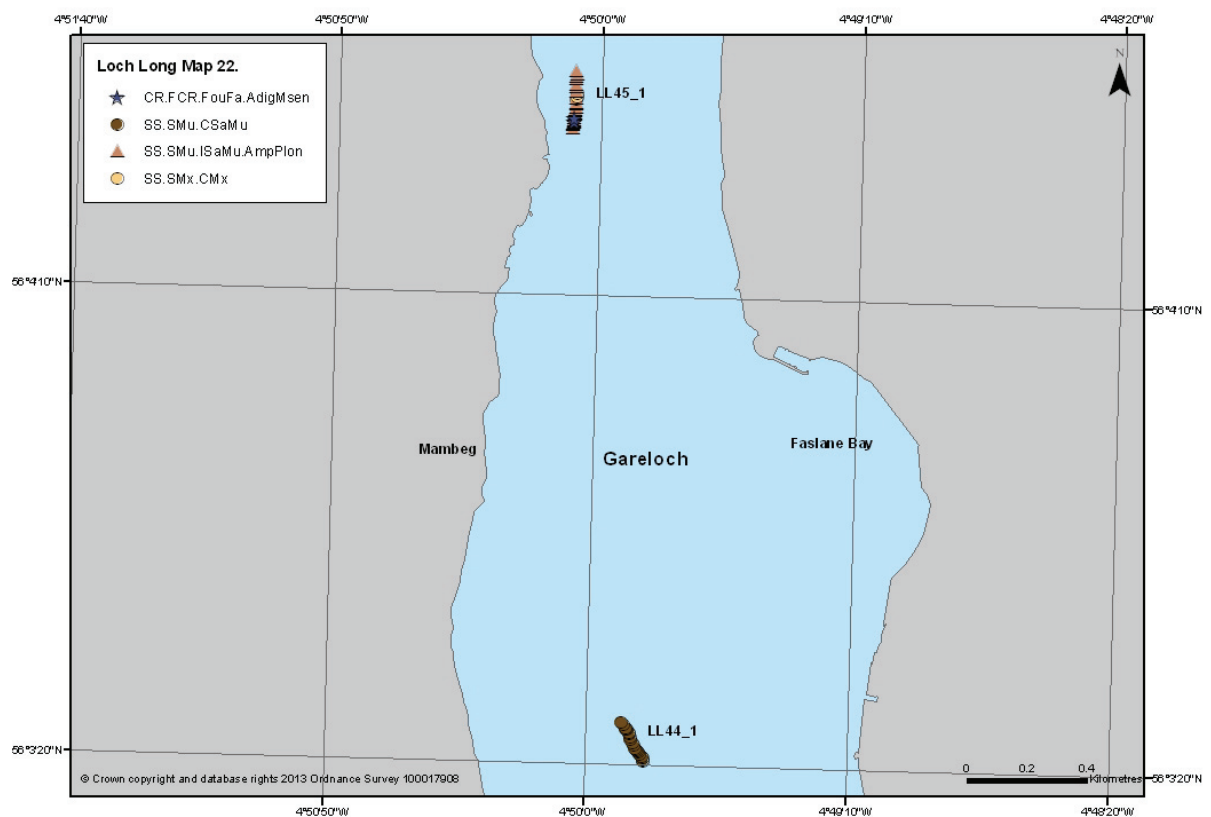


Figure 48. Loch Long Map 22. Biotope Gareloch.



3.1.3 Summary of habitats and species observed within Clyde South survey area

Maps (Figures 50 - 56) have been produced to show the distribution of biotopes recorded from video footage at each drop down video transects within the Clyde South survey area. The locations of these maps can be referenced in Figure 49.

The area surveyed south of Skipness Point was relatively shallow and had large amounts of kelp, *Saccharina latissima* (A) and other seaweeds on soft sediment (**SS.SMp.KSwSS** biotopes) (Figure 50). Maerl was abundant (dead and alive) in places. The anemone *C.lloydii* was frequently observed amongst the dead maerl gravel here, along with many juvenile bivalves. Further along the coast to the west of Skipness Point the shallow areas comprised muddy sand. Juvenile bivalves were frequent here, along with the occasional echinoderm and polychaete feeding mounds.

Around the north end of Arran (Figure 51) the sediment was mixed with *C.lloydii* (A) dominating the faunal community (**SS.SMx.CMx.CIlOMx**). At slightly deeper sites along the island's west coast the sediment was sandy mud supporting high numbers of *Amphiura* spp., with several squat lobsters (*Munida rugosa*) and hermit crabs seen throughout (Figure 52). Polychaete feeding mounds were also observed in the sandy-mud, with large hydroids (e.g. *Nemertesia* spp. and *Kirchenpaueria* spp.; Figure 48) attached to larger pieces of substrata present. Further south the sediment became fine mud (**SS.SMu.CFiMu**) (Figure 52).

Around Ernis Bank, in the Kilbrannan Sound, areas of exposed bedrock covered in silt (**CR.LCR.BrAs**) were recorded (Figure 53). The fauna characterising this biotope included the sea loch anemone *Protanthea simplex*, large ascidians (e.g. *Ciona intestinalis*, *Corella parallelogramma*, and *Ascidia mentula*), the crinoid *Antedon* sp., various echinoderm species, hydroids, tube worms and squat lobsters. Mixed sediment was present between the bedrock areas, with several polychaete tubes, tower shells (*Turritella communis*) and terebellid feeding tentacles observed. **CR.MCR.EcCr.UrtScr** was also recorded with abundant *Antedon bifida*, *Urticina eques* and Crinoidea.

Towards the east of Arran, within the Firth of Clyde, kelps dominated shallow areas (**IR.HIR.K.LSac**) with patches of maerl (C) (Figure 54). In the deeper regions of the Firth the sediment was soft, consisting mainly of fine or sandy mud with patches of dense brittlestars and some scattered sea pens (Figure 55). There were patches of mixed sediment around some high points in the bottom topography, with small clumps of hydroids present and an observed increase in the numbers of long-clawed squat lobsters, *Munida rugosa*. The soft sediment areas were characterised by large numbers of crustacean burrows and high abundances of small swimming shrimp. *Nephrops norvegicus* was sometimes seen at the entrances of the burrows. Towards the east of the Firth of Clyde coarser sediment was present in the infralittoral region, with sparse patches of encrusting and foliose red seaweed, Serpulidae worm tubes and large crabs (e.g. *Necora puber*, *Liocarcinus* spp.) present (Figure 56). In some areas kelp and seaweed communities dominated (**SS.SMp.KSwSS.LSacR.GV**).

Figure 49. Location of Figures 50 – 56 in the Clyde South region within the Clyde Sea survey region.

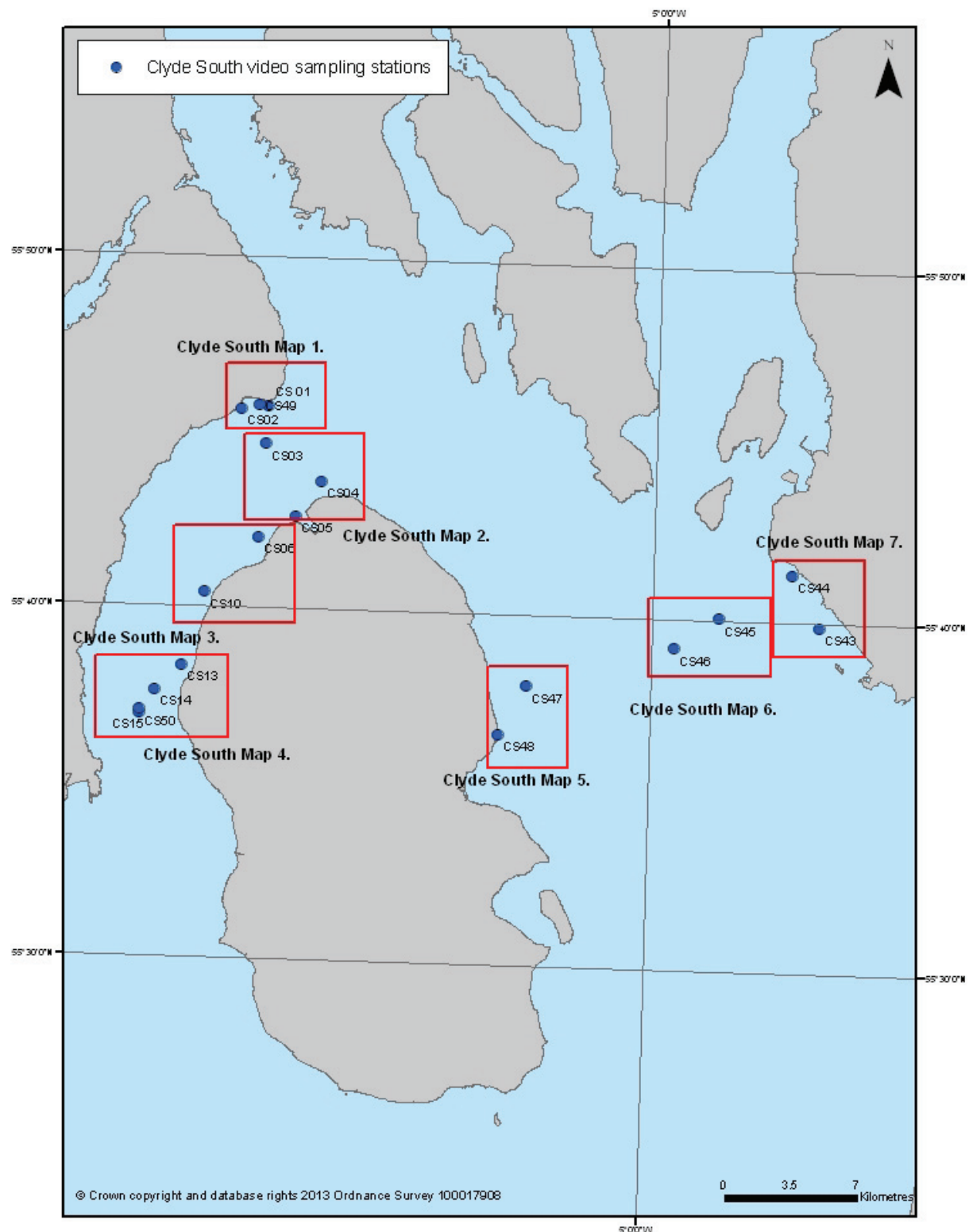


Figure 50. Clyde South Map 1 - Off Skipness point, Kilbrannan sound.

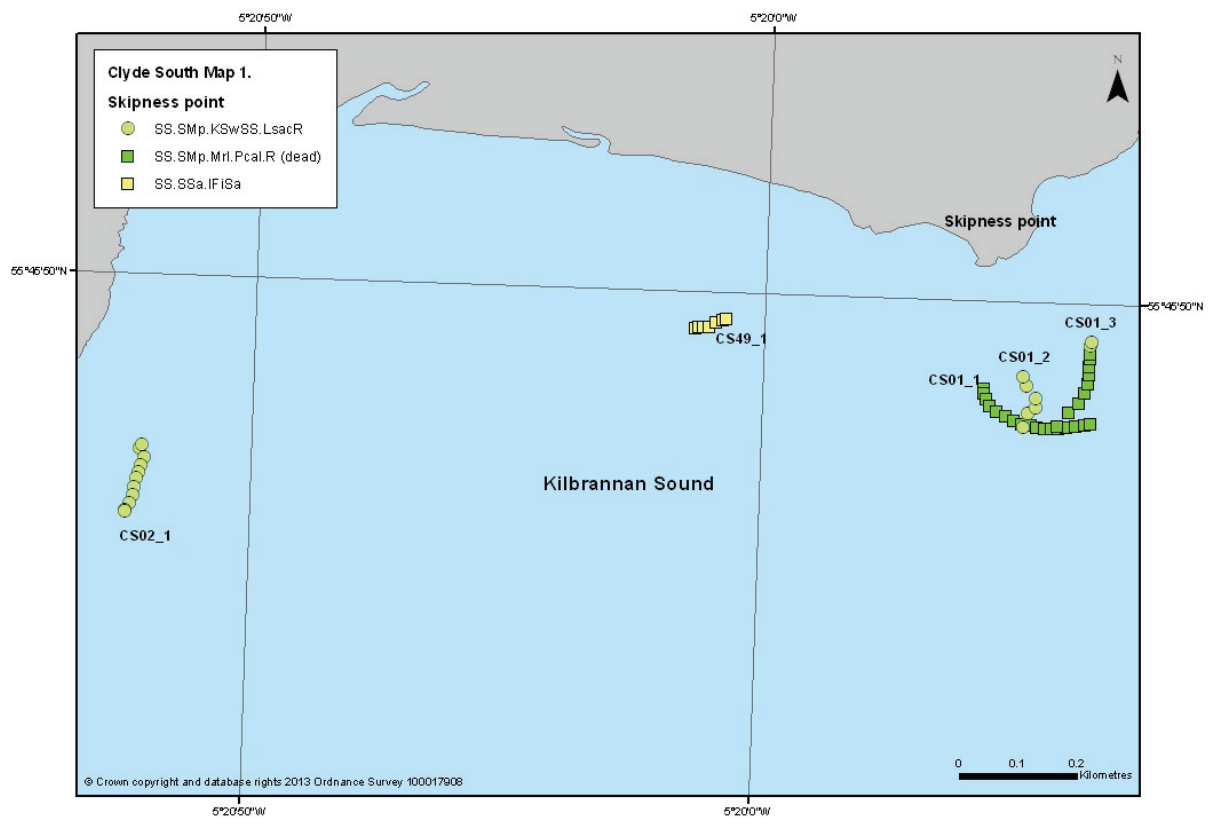


Figure 51. Clyde South Map 2 - North-west of Arran.

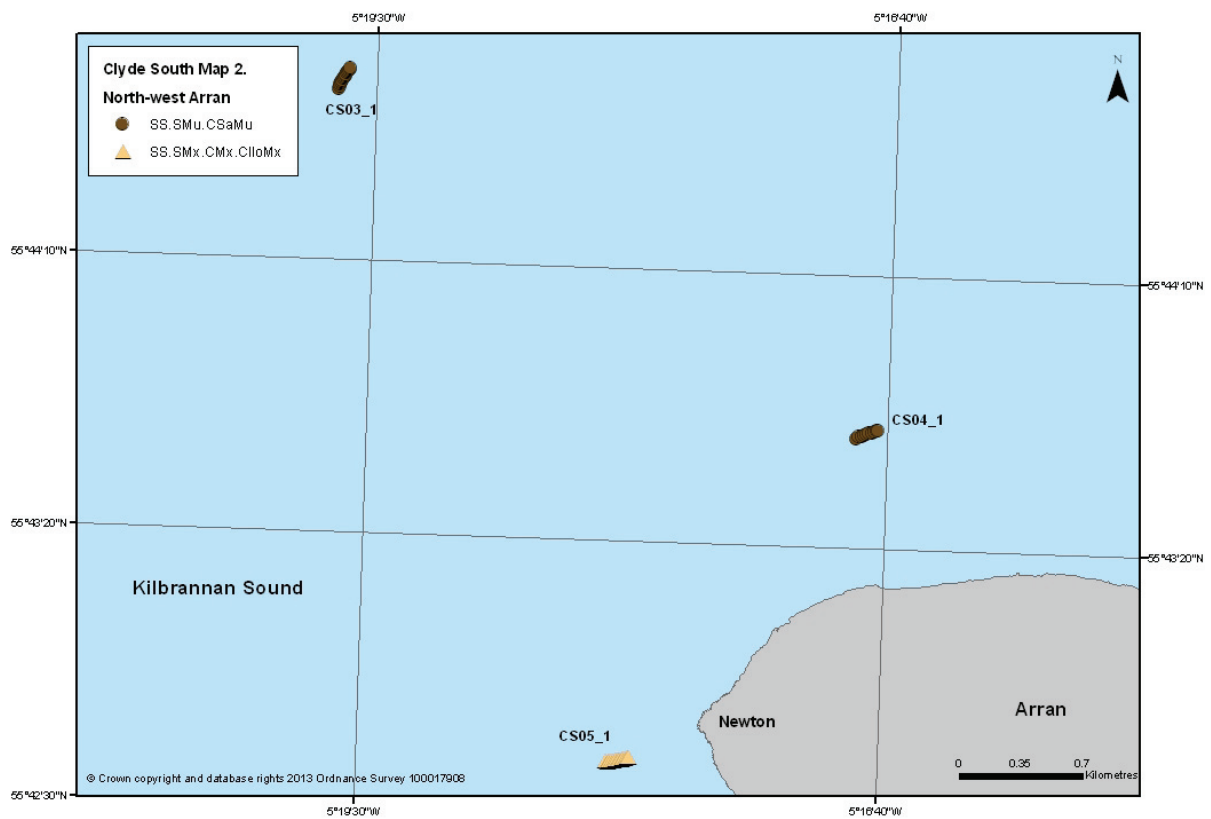


Figure 52. Clyde South Map 3 - North-west of Arran.

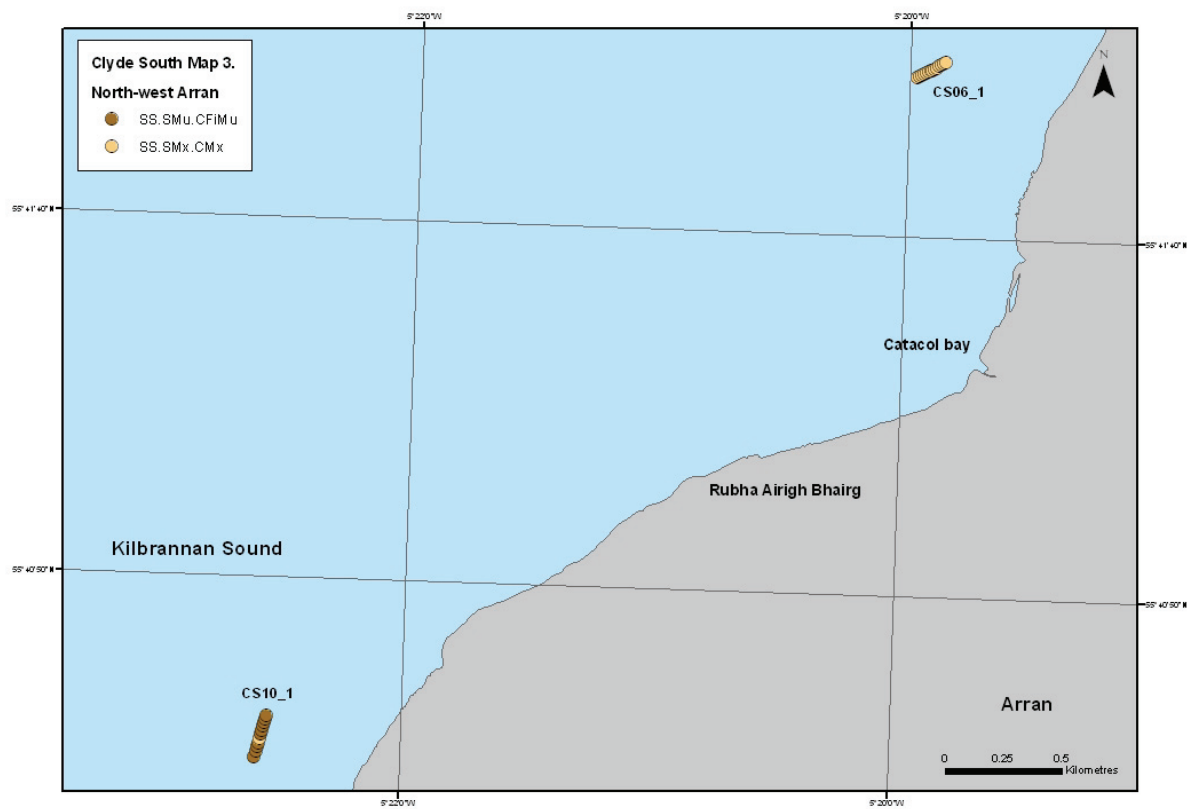


Figure 53. Clyde South Map 4 -West of Arran

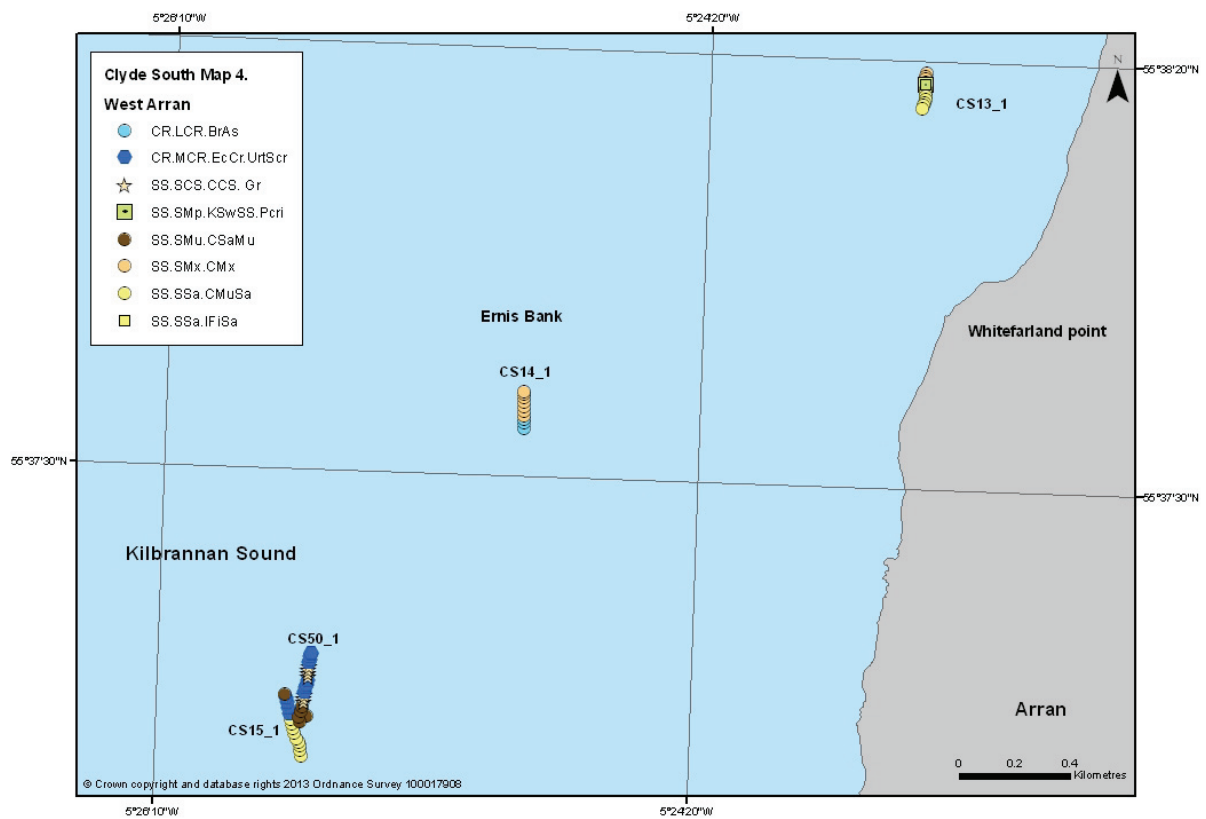


Figure 54. Clyde South Map 5 - East of Arran.

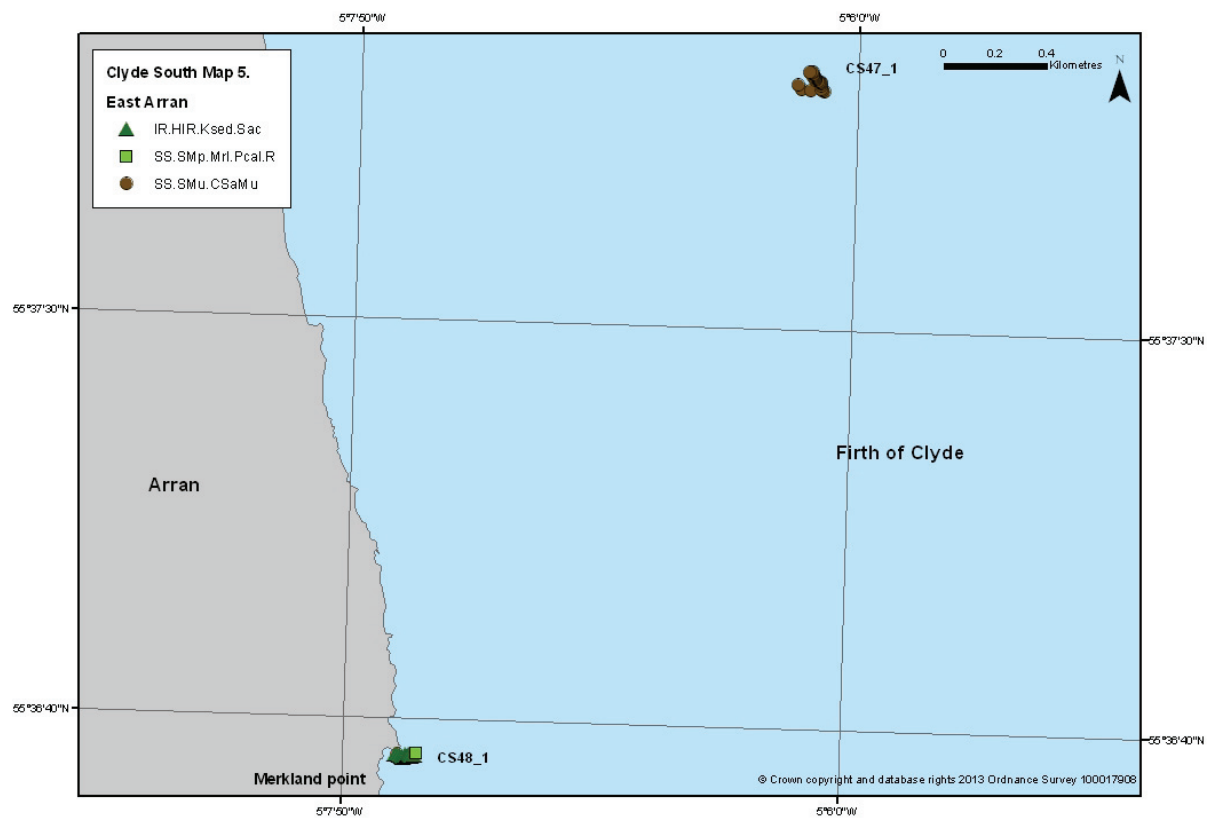


Figure 55. Clyde South Map 6 - Central Firth of Clyde.

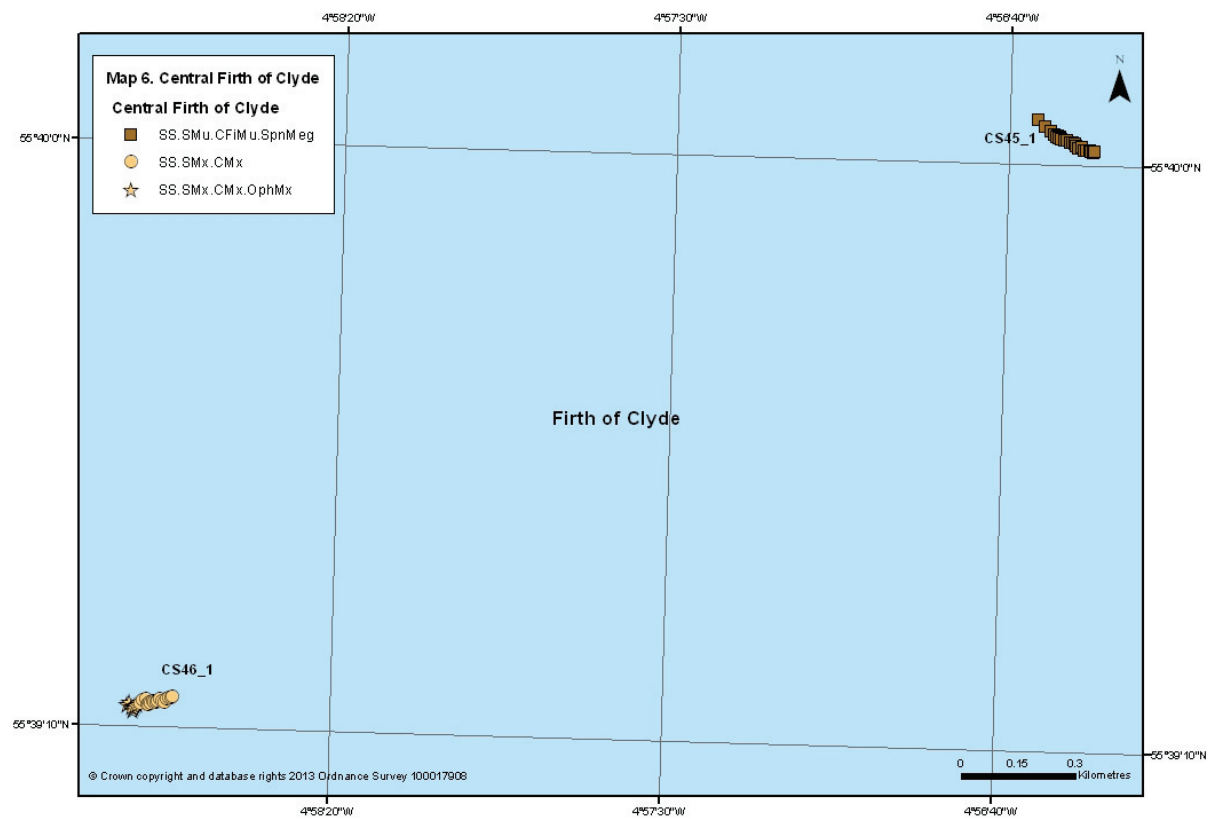
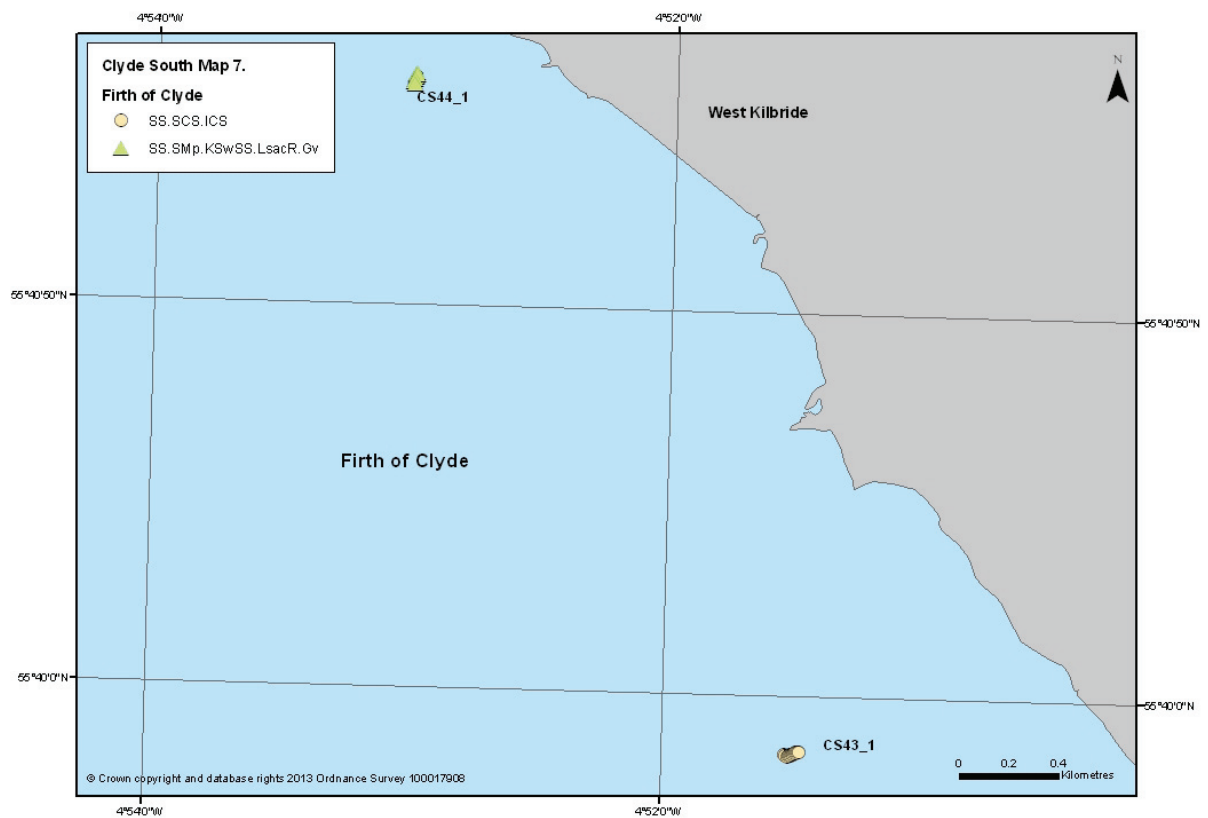


Figure 56. Clyde South Map 7 - Firth of Clyde



3.2 Grab samples

3.2.1 Particle Size Analysis (PSA)

The results of the PSA from the grab samples are summarised in Tables 6 and 7 with further detail in Annexes F and G. Figures 57 and 58 show the cumulative % weight of the sediment samples. A variety of sediment types were present in the Clyde Sea area, although soft sediments were more common than coarse sediments. The majority of samples were composed of mud, sandy-mud or muddy-sand, with a small fraction of gravel present in some samples. Sites 10, 11 and 13 were the only samples with a gravel fraction >10%. In all of the samples, except for Site 11 and Site 13, sediment <0.5 mm in size (i.e. medium sand or smaller) represented 75 % or more by weight. Out of the 35 samples analysed, 20 had mud fractions >50 %. There appeared to be no relationship between the depth at which the samples were taken and sediment type found there.

Table 6 Summary of the Particle Size Analysis (sediment weight by percentage) from grab samples collected by Seastar Survey and SEPA in the Clyde Sea area (mud, sand and gravel refer to all size fractions within each category).

Location	Depth (m)	Gravel (%)	Sand (%)	Mud (%)	Classification (Folk system adapted by BGS)
		(Wentworth scale)			
LF01	29	0.51	56.65	42.75	Muddy sand
LF08	78	1.49	48.39	50.38	Slightly gravelly sandy mud
LF17 #3	7	0.03	47.21	52.53	Sandy mud
LF17 #5	7	0.31	40.26	59.29	Sandy mud
LF17 #6	6	0.06	52.02	47.62	Muddy sand
LL05	22	0.06	87.66	12.51	Muddy sand
LL06	26	9.08	76.35	14.70	Gravelly muddy sand
LL28	35	1.04	82.86	16.40	Slightly gravelly muddy sand
LL30	46	0.13	36.78	63.20	Sandy mud
LL31	25	4.77	83.61	11.74	Slightly gravelly muddy sand
LL32 #4	85	3.97	76.70	19.58	Slightly gravelly muddy sand
LL32 #5	86	5.11	53.05	42.02	Gravelly muddy sand
LL46	29	0.06	15.69	84.30	Sandy mud
LL48	21	0.53	5.50	93.99	Mud
LL64	48	1.62	67.81	30.82	Slightly gravelly muddy sand
Site 1	87	0.00	1.58	98.40	Mud
Site 2	125	0.10	66.19	34.03	Muddy sand
Site 3	133	3.54	46.43	50.40	Slightly gravelly sandy mud
Site 4	112	0.13	4.20	95.71	Mud
Site 5	77	0.22	4.10	95.86	Mud
Site 6	112	0.00	2.71	97.20	Mud
Site 7	96	1.06	6.08	92.87	Slightly gravelly mud
Site 8	160	0.00	1.91	97.96	Mud
Site 9	159	0.00	3.08	97.33	Mud
Site 10	92	13.36	76.12	10.70	Gravelly muddy sand
Site 11	152	55.53	27.02	17.77	Muddy sandy gravel
Site 12	146	0.00	33.67	66.52	Sandy mud
Site 13	59	29.70	65.44	5.03	Gravelly Sand
Site 14	71	0.10	48.29	51.50	Sandy mud
Site 15	115	0.07	11.80	88.14	Sandy mud
Site 16	136	0.10	21.94	78.43	Sandy mud
Site 17	121	0.14	3.01	96.95	Mud
Site 18	70	0.18	32.04	67.51	Sandy mud

Table 7 Total percentage sediment weight of grab samples from the Clyde Sea area locations (grey indicates 'gravel' fraction, light yellow 'sand' fraction, and brown the 'mud' fraction). NB. Processing differential results in the total percentage for each location to be excess of/less than 100%.

Location	Sieve size (mm)									
	16	8	4	2	1	0.5	0.25	0.125	0.063	< 0.063
LF01	0.00	0.00	0.11	0.39	0.93	1.30	2.18	13.16	39.08	42.75
LF08	0.00	0.00	0.85	0.63	0.70	1.18	4.06	16.24	26.21	50.38
LF17 #3	0.00	0.00	0.00	0.03	0.14	0.49	1.28	3.32	41.99	52.53
LF17 #5	0.00	0.00	0.21	0.10	0.34	0.78	1.42	3.72	34.00	59.29
LF17 #6	0.00	0.00	0.02	0.04	0.36	0.31	0.70	2.73	47.92	47.62
LL05	0.00	0.00	0.04	0.02	0.11	1.00	13.87	46.39	26.28	12.51
LL06	0.00	0.72	2.98	5.38	7.31	6.78	13.00	35.54	13.73	14.70
LL28	0.00	0.18	0.05	0.82	0.90	2.18	9.61	36.76	33.41	16.40
LL30	0.00	0.00	0.00	0.13	0.27	0.42	0.89	3.66	31.55	63.20
LL31	0.00	0.70	2.40	1.68	3.01	9.71	29.59	32.73	8.58	11.74
LL32 #4	0.00	0.22	1.98	1.77	2.04	4.90	15.92	46.06	7.77	19.58
LL32 #5	0.00	0.98	2.06	2.07	1.56	5.67	20.52	20.33	4.98	42.02
LL46	0.00	0.00	0.00	0.06	0.23	0.34	0.57	1.49	13.07	84.30
LL48	0.00	0.00	0.18	0.35	0.51	0.46	0.62	0.97	2.92	93.99
LL64	0.89	0.00	0.21	0.52	1.05	2.04	4.76	21.42	38.54	30.82
Site 1	0.00	0.00	0.00	0.00	0.02	0.04	0.25	0.45	0.82	98.40
Site 2	0.00	0.00	0.00	0.10	0.10	1.12	3.07	23.38	38.51	34.03
Site 3	0.00	3.22	0.17	0.15	0.25	0.48	2.37	8.38	34.95	50.40
Site 4	0.00	0.00	0.00	0.13	0.02	0.07	0.13	0.37	3.61	95.71
Site 5	0.00	0.00	0.14	0.08	0.22	0.44	0.66	1.22	1.55	95.86
Site 6	0.00	0.00	0.00	0.00	0.15	0.51	0.80	0.75	0.49	97.20
Site 7	0.00	0.00	0.00	1.06	1.81	1.59	0.95	0.75	0.99	92.87
Site 8	0.00	0.00	0.00	0.00	0.05	0.01	0.56	0.74	0.56	97.96
Site 9	0.00	0.00	0.00	0.00	0.11	0.53	0.98	0.73	0.73	97.33
Site 10	4.88	3.38	2.85	2.25	3.29	6.03	19.53	32.63	14.64	10.70
Site 11	44.22	8.01	2.46	0.84	1.65	6.77	9.65	5.95	2.99	17.77
Site 12	0.00	0.00	0.00	0.00	0.14	0.31	0.95	8.41	23.86	66.52
Site 13	9.03	8.03	5.90	6.75	9.94	13.66	24.19	16.21	1.44	5.03
Site 14	0.00	0.00	0.03	0.07	0.36	0.39	0.61	4.12	42.80	51.50
Site 15	0.00	0.00	0.00	0.07	0.04	0.19	1.25	2.51	7.80	88.14
Site 16	0.00	0.00	0.00	0.10	1.29	3.62	5.78	5.49	5.76	78.43
Site 17	0.00	0.00	0.14	0.00	0.04	0.10	0.55	0.77	1.55	96.95
Site 18	0.00	0.00	0.00	0.18	0.30	0.85	2.50	5.22	23.16	67.51

Figure 57 Cumulative percentage sediment weight for Seastar Survey grab samples, Clyde Sea survey 2010.

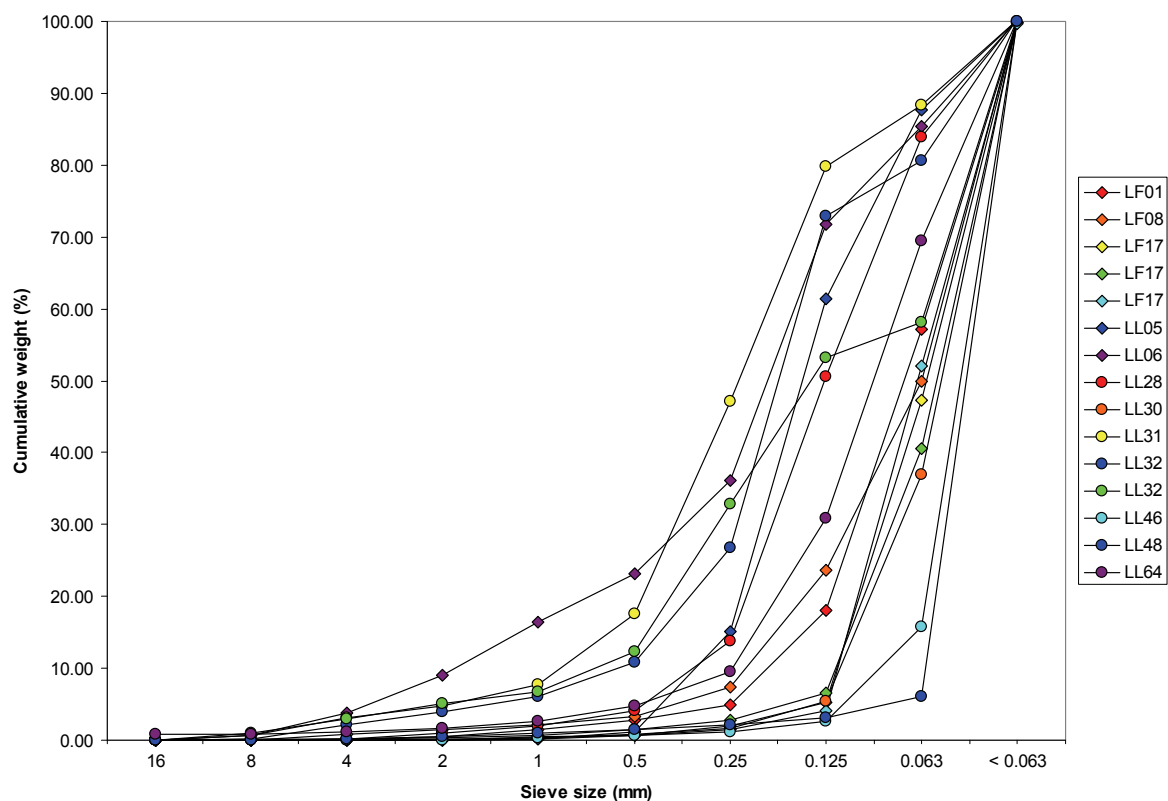
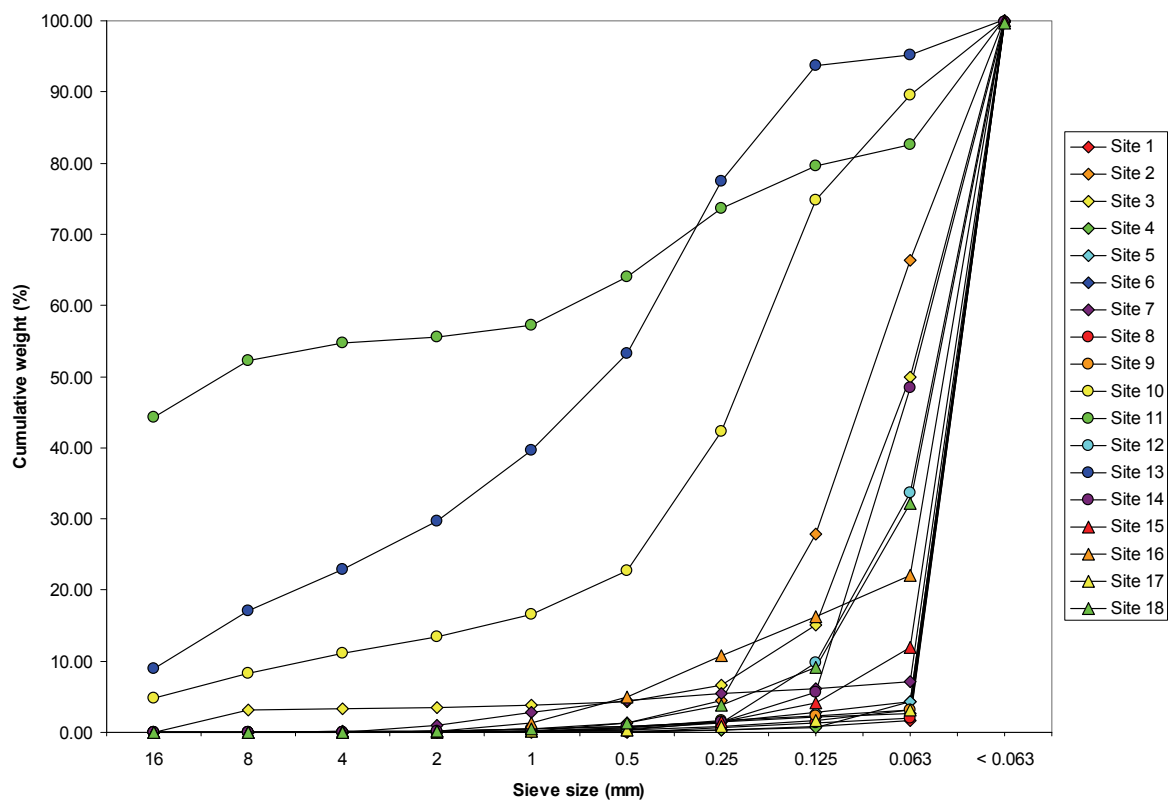


Figure 58 Cumulative percentage sediment weight for SEPA grab samples, Clyde Sea survey 2010.



3.2.2 Infaunal results

The macrofaunal analysis of the van Veen grab samples collected by Seastar Survey revealed a total of 2749 individuals from 159 taxa. The grab samples taken by SEPA contained 677 individuals from 68 taxa. A full species list from the Seastar Survey and SEPA grab samples can be found in Annexes I – J.

Overall, the macrofauna from the Seastar Survey grab samples were dominated by Annelida (54.3 % of all individuals) and Mollusca (29.9 %). Echinodermata represented 9.75 % of the total fauna, Crustacea 3.7 %, and Phoronida 3.1 %. Although the fauna from the SEPA grab samples were also dominated by Annelida and Mollusca, the proportion of the total fauna represented by these taxa was quite different from the Seastar samples (44.2 % and 40.77 % respectively). Echinodermata represented 10.8 % of the fauna from the SEPA grab samples, Crustacea 2.2 %, and Nematoda 1.3 %.

The 30 most abundant taxa are shown in Table 8. The most abundant species were dominated by Mollusca and Annelida. The most abundant taxon from the Seastar Survey samples was the bivalve *Kurtiella bidentata*, followed by the Ophiuroid *Amphiura chiajei*, and then the annelids *Mediomastus fragilis* and *Lagis koreni*. The list of the most abundant taxa from the Seastar Survey and SEPA samples contained many of the same fauna, although the ranking of the taxa was different. The bivalve *Abra alba* was the most abundant species from the SEPA samples, followed by the polychaete *Scalibregma inflatum*, the bivalve *Nuculoma tenuis* and polychaete *Spiophanes kroyeri*.

In general, the faunal material from the SEPA samples were much more damaged than the Seastar Survey samples, leading to increased difficulty in identifying organisms to lower taxonomic levels. Soft bodied worms are more likely to be damaged and destroyed than hard shelled molluscs, which could explain the differences in the total proportion of annelids and molluscs observed from the SEPA and Seastar Survey samples. Some of the more notable differences between the two sample sets include the absence of phoronids from the SEPA samples, and the much higher prevalence of *Kurtiella bidentata* in the Seastar Survey samples, which was rarely recorded from the SEPA samples. Some consideration must be taken into account when comparing between samples collected by Seastar Survey and SEPA. Although the differences between the Seastar Survey and SEPA sample sets could reflect actual differences between sample sites (location, depth, type of sediment etc.), they may have resulted from differences between survey techniques and apparatus employed.

Table 8 Total number of individuals of the 30 most abundant taxa/species (in rank order) present from the Seastar Survey and SEPA grab samples.

Seastar Survey grab samples				SEPA grab samples			
MCS Code	Taxa	Species	Abundance	MCS Code	Taxon	Species	Abundance
W 1906	<i>Kurtiella</i>	<i>bidentata</i>	300	W 2059	<i>Abra</i>	<i>alba</i>	142
ZB 152	<i>Amphiura</i>	<i>chiajei</i>	214	P 1027	<i>Scalibregma</i>	<i>inflatum</i>	54
P 919	<i>Mediomastus</i>	<i>fragilis</i>	125	W 1577	<i>Nuculoma</i>	<i>tenuis</i>	52
P 1107	<i>Lagis</i>	<i>koreni</i>	122	P 796	<i>Spiophanes</i>	<i>kroyeri</i>	42
W 2061	<i>Abra</i>	<i>nitida</i>	114	ZB 152	<i>Amphiura</i>	<i>chiajei</i>	40
W 1837	<i>Thyasira</i>	<i>flexuosa</i>	107	W 1570	<i>Nucula</i>	<i>nucleus</i>	33
P 1027	<i>Scalibregma</i>	<i>inflatum</i>	106	W 2157	<i>Corbula</i>	<i>gibba</i>	22
ZA 5	<i>Phoronis</i>	<i>muelleri</i>	84	ZB 154	<i>Amphiura</i>	<i>filiformis</i>	17
P 1124	<i>Melinna</i>	<i>palmata</i>	80	P 919	<i>Mediomastus</i>	<i>fragilis</i>	15
P 1098	<i>Owenia</i>	<i>fusiformis</i>	72	P 501	<i>Nephtys</i>	<i>incisa</i>	15
W 1569	<i>Nucula</i>	<i>nitidosa</i>	70	P 1098	<i>Owenia</i>	<i>fusiformis</i>	12
P 878	<i>Diplocirrus</i>	<i>glaucus</i>	69	P 1099	TEREBELLIDA	sp.	11
W 2059	<i>Abra</i>	<i>alba</i>	66	P 263	<i>Glycera</i>	<i>rouxii</i>	11
P 796	<i>Spiophanes</i>	<i>kroyeri</i>	62	G 1	NEMERTEA	spp.	9
P 657	<i>Leitoscoloplos</i>	<i>mammosus</i>	53	P 708	SPIONOIDEA	sp.	9
P 1139	<i>Ampharete</i>	<i>lindstroemi</i>	48	P 1107	<i>Lagis</i>	<i>koreni</i>	9
S 659	<i>Pseudoprotella</i>	<i>phasma</i>	44	P 878	<i>Diplocirrus</i>	<i>glaucus</i>	9
P 834	<i>Chaetozone</i>	<i>setosa</i>	42	P 1139	<i>Ampharete</i>	<i>lindstroemi</i>	8
P 1093	<i>Galathowenia</i>	<i>oculata</i>	40	W 1595	<i>Nuculana</i>	<i>minuta</i>	8
P 499	<i>Nephtys</i>	<i>hombergii</i>	38	ZB 148	<i>Amphiuridae</i>	spp.	8
P 579	<i>Lumbrineris</i>	<i>gracilis</i>	34	P 572	<i>Lumbrineris</i>	sp.	8
P 1147	<i>Anobothrus</i>	<i>gracilis</i>	30	ZB 18	ASTEROIDEA	spp.	7
P 1195	<i>Lanice</i>	<i>conchilega</i>	30	P 498	<i>Nephtys</i>	<i>cirrosa</i>	6
W 2147	<i>Mya</i>	<i>truncata</i>	30	P 271	<i>Goniada</i>	<i>maculata</i>	5
P 1125	<i>Ampharetinae</i>	spp.	29	P 831	<i>Caulleriella</i>	<i>zetlandica</i>	5
P 91	<i>Pholoe</i>	<i>baltica</i>	28	P 1235	<i>Polycirrus</i>	sp.	5
P 921	<i>Notomastus</i>	<i>latericeus</i>	27	S 1409	<i>Calocaris</i>	<i>macandreae</i>	5
G 1	NEMERTEA	spp.	23	P 921	<i>Notomastus</i>	<i>latericeus</i>	4
P 271	<i>Goniada</i>	<i>maculata</i>	23	P 971	<i>Praxillella</i>	<i>affinis</i>	4
W 2157	<i>Corbula</i>	<i>gibba</i>	23	W 1906	<i>Kurtiella</i>	<i>bidentata</i>	4

Table 9 shows the diversity indices calculated for the grab samples using PRIMER. Caution should be used when comparing between values for the Seastar Survey and SEPA samples due to differences in collection techniques. However, some closely located sites had comparable diversity indices (e.g. LF08 and Site 14). There were some general trends shown by the data. The grab samples collected from the Clyde Sea survey area (Sites 1-9) had a low number of total individuals, low number of species, and low diversity. The highest values for species number and total number of individuals were from samples collected around the Cumbrae Islands (i.e. LL05, LL06, and Site 10). The lowest number of species and lowest of individuals from the Seastar Survey samples were the three grabs from station LF17, in Loch Gilp.

Table 9 Summary table of faunal diversity indices for Clyde Sea survey grab samples. *S* – number of species; *N* – total number of individuals; *J* – Pielou's equitability index; *d* – Margalef's species richness; *H'* – Shannon-Wiener diversity index.

Location	S	N	d	J	H' (log _e)
LL05	67	556	10.44	0.77	3.23
LL06	73	308	12.57	0.83	3.54
LL28	57	219	10.39	0.85	3.45
LL30	21	149	4	0.79	2.42
LL31	63	285	10.97	0.88	3.63
LL32	41	169	7.8	0.83	3.09
LL46	24	167	4.49	0.67	2.12
LL48	22	79	4.81	0.82	2.53
LL64	38	306	6.46	0.8	2.92
LF01	33	352	5.46	0.71	2.50
LF08	20	63	4.59	0.85	2.54
LF17#3	12	39	3	0.7	1.74
LF17#5	13	32	3.46	0.88	2.25
LF17#6	9	24	2.52	0.85	1.87
Site 1	5	7	2.06	0.96	1.55
Site 2	4	10	1.30	0.84	1.17
Site 3	18	77	3.91	0.59	1.70
Site 4	6	14	1.90	0.82	1.47
Site 5	1	1	**	**	0.00
Site 6	6	13	1.95	0.90	1.61
Site 7	4	5	1.86	0.96	1.33
Site 8	2	2	1.44	1.00	0.69
Site 9	5	9	1.82	0.89	1.43
Site 10	35	168	6.64	0.78	2.76
Site 11	22	62	5.09	0.78	2.39
Site 12	6	39	1.37	0.81	1.45
Site 13	49	116	10.1	0.91	3.55
Site 14	20	82	4.31	0.81	2.42
Site 15	3	4	1.44	0.95	1.04
Site 16	8	9	3.19	0.98	2.04
Site 17	15	31	4.08	0.96	2.51
Site 18	7	28	1.80	0.51	1.00

3.2.3 Biotope analysis of grab samples

Biotores were assigned to each of the grab sites based on the sediment composition and identity of the faunal content of the samples (Table 10, Figure 59). The low faunal abundances from the majority of the SEPA grab samples were inadequate to designate biotores from, and were therefore defined solely by sediment composition. Five SEPA samples were assigned to the circalittoral sandy mud biotope (**SS.SMu.CSaMu**), and seven to the circalittoral fine mud biotope (**SS.SMu.CFiMu**). Where suitable numbers of diagnostic fauna were present, some SEPA samples could be categorised into sub-biotores. These samples generally had very similar fauna, with the bivalves *Nuculoma tenuis* and *Abra alba* both present. In addition to these bivalves, Site 10 was defined by high numbers of the tube building polychaetes *Lagis koreni*, *Mediomastus fragilis*, *Spiophanes bombyx*, and

Scalibregma inflatum, which are characteristic of the **SS.SMu.CSaMu.LkorPpel** biotope. The lack of *Kurtiella bidentata* meant that none of these samples represented the **SS.SMu.CSaMu.AfilMysAnit** biotope. High numbers of *Amphiura* spp. were present in the samples assigned to the **SS.SMu.CSaMu.AfilNten** biotope (Site 3 and Site 13), whilst **SS.SMu.CSaMu.ThyNten** was best biotope match for the other samples (Site 11 and Site 12).

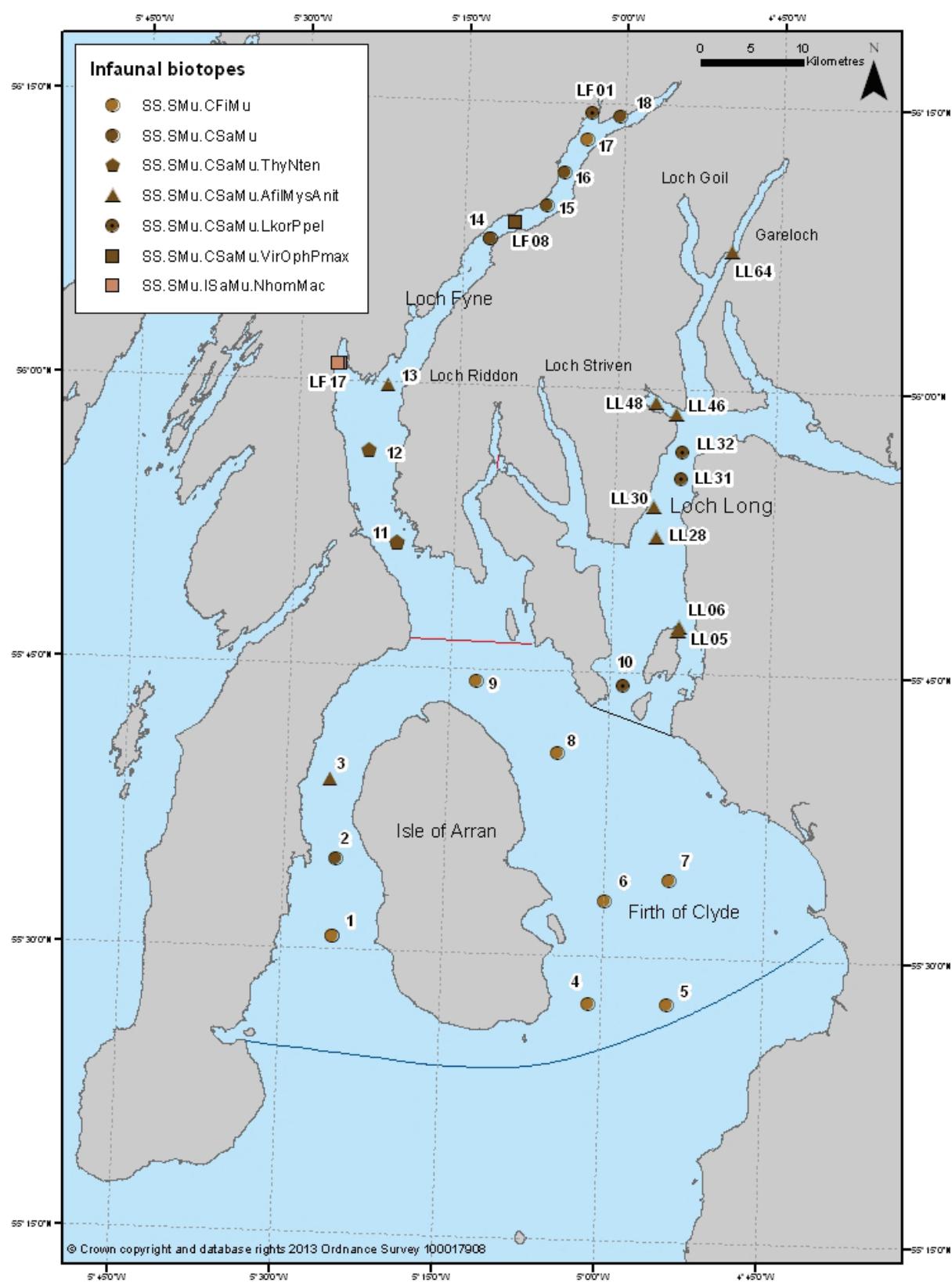
The majority of the Seastar Survey grab samples from upper Loch Long and around the Cumbrae Islands (LL05, LL06, LL28, LL30, LL46, LL48, and LL64) had high numbers of *Kurtiella bidentata*, *Amphiura* spp. and *Abra nitida*, characteristic of the biotope **SS.SMu.CSaMu.AfilMysAnit**. The three shallow water grab samples from Loch Gilp (LF17) had lower numbers of fauna compared to the other Seastar Survey grabs, and were dominated by the polychaete *Nephtys hombergii*. These three samples were therefore assigned the **SS.SMu.ISaMu.NhomMac** biotope. Grabs from lower Loch Long and Loch Shira (LL31, LL32 and LF01) had high numbers of tube building polychaetes including *Lagis koreni*, *Mediomastus fragilis*, *Spiophanes bombyx*, *Owenia fusiformis* and *Scalibregma inflatum*, in addition to the bivalves *Kurtiella bidentata*, *Nuculoma* sp. and *Abra alba*. These fauna are typical of the biotope **SS.SMu.CSaMu.LkorPpel**. The final biotope identified from the Seastar Survey grab samples was from upper Loch Fyne (LF08), and contained the only specimens of the sea pen *Virgularia mirabilis* found during the grabbing survey. This sample also had large numbers of the ophiuroid *Amphiura* spp., but little in the way of other infauna, matching most closely with the biotope **SS.SMu.CSaMu.VirOphPmax**. Some of the biotopes assigned for the Seastar Survey samples after examination of the infauna did not match the sediment composition as classified by the PSA (e.g. LL05 was classified as muddy sand by the PSA, but was assigned a sandy-mud biotope after analysis of the infauna). In these cases the fauna composition of the sample was regarded as a more accurate reflection of the biotope compared to the PSA.

Table 10 Summary of biotopes for grab samples collected by Seastar Survey and SEPA.

Biotope	Seastar Survey samples	SEPA samples
SS.SMu.ISaMu.NhomMac	LF17#3; LF17#5; LF17#6	
SS.SMu.CSaMu		*Site 2; Site 14; Site 15; Site 16; Site 18
SS.SMu.CSaMu.AfilNten		Site 3; Site 13;
SS.SMu.CSaMu.AfilMysAnit	LL05; LL06; LL30; LL28; LL46; LL48; LL64	
SS.SMu.CSaMu.ThyNten		Site 11; Site 12
SS.SMu.CSaMu.LkorPpel	LL31; LL32; LF01	Site 10;
SS.SMu.CSaMu.VirOphPmax	LF08	
SS.SMu.CFiMu		*Site 1; Site 4; Site 5; Site 6; Site 7; Site 8; Site 9; Site 17

* Biotopes for these sites were defined from the sediment present in the grab sample as there was insufficient fauna

Figure 59 Results of the infaunal grab analysis within Clyde Sea



3.3 Diving survey results

Five separate dive sites were selected based on the expected presence of MPA search features. The results of this survey can be seen in Table 11 and Figure 60, with a full dive log in Annex H.

Table 11 Results of the diving portion of the survey work within the Clyde sea.

Site	Dive Number	Depth (m)	Biotope
Site 01	Dive 05	5.9	SS.SMx.IMx
Site 01	Dive 06	10	IR.LIR.K.Lsac
Site 02	Dive 01	8.4	SS.SMp.Mrl.Pcal
Site 02	Dive 02	10.9	SS.SMx.IMx.Lim
Site 03	Dive 09	5	IR.LIR.K.Lsac
Site 03	Dive 10	8.4	IR.LIR
Site 03	Dive 11	8	SS.SMp.Mrl.Pcal
Site 03	Dive 12	7.1	SS.SSa.CCS
Site 04	Dive 03	8.5	SS.SMp.Mrl.Pcal
Site 04	Dive 04	8	SS.SMp.Mrl.Pcal
Site 05	Dive 07	10	SS.SSa.CCS
Site 05	Dive 08	4	SS.SSa.CCS

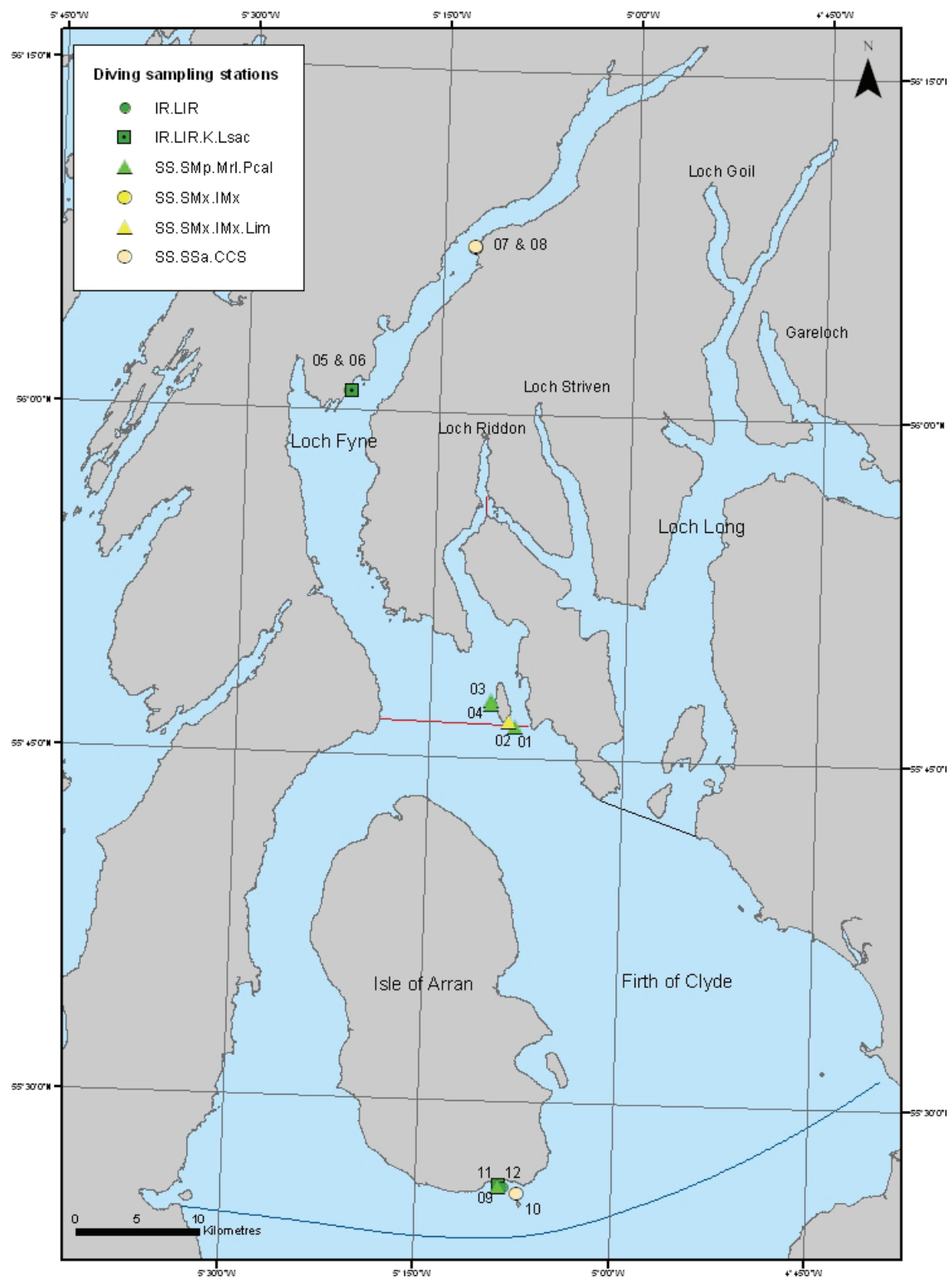
Two dives were completed at site 01, near the Otter Spit in Loch Fyne (dives 05 & 06). Here the sea bed consisted of gravelly sand to sandy gravel with some shell material. *Marthasterias glacialis*, and *Asterias rubens* were common during both dives however no flame shells were observed as historic data suggested. Site 02 was located to the south of Inchmarnock island (dives 01 & 02). During dive 01 a bed of *Ophiocomina nigra* was observed along with a patch (20 m x 20 m) of maerl with 1-2 % live maerl. Fauna here included *Alcyonium digitatum*, *M.glacialis*, *Echinus esculentus*, *Cancer pagurus*, *Porania* sp., *Necora puber*, *Luidia ciliaris*, *Henricia* sp., and *Pecten maximus*. The flame shell, *Limaria hians* was observed during the second dive here with several nests, approximately 20 cm by 20 cm in size, and several live specimens in each. Associated epi-fauna was similar to that of dive 01 with *M.glacialis*, *N.puber*, *Luidia ciliaris*, *Henricia* sp., and *P.maximus* present.

Dive site 03 was located to the south of Arran where four dives were completed to confirm the presence of seagrass, however no seagrass was observed. A kelp forest with red and other seaweeds on rock (bedrock, boulders and cobbles) with was observed during dive 09 with boulders and cobbles on bedrock with brown and red macroalgae observed during dive 10. No epifauna was observed during dives 11 and 12 with the sea bed consisting of coarse sand and shell material with some sparse maerl observed during dive 11.

Two dives were completed at dive site 04 west of Inchmarnock island. Maerl dominated the seabed during dive 03 with approximately 60-70% cover, 0-1% of which was live maerl. Maerl was also observed during the second dive here (dive 04) with approximately 80-90% cover of which 0-1 % was live maerl. Epifauna during both of these dives included *M.glacialis*, *Henricia* sp.and *A.rubens*.

The final dive site 05 was located off Kilbride Island within Loch Fyne. Two dives were again completed here. Bedrock, cobbles and boulders with kelp and shell material were observed during both dives (07 and 08) with *E.esculentus*, *M.glacialis* and *A.rubens*. Dead horse mussel shells, *M.Modiolus*, were observed however no live animals were seen as historic records suggested.

Figure 60. Biotopes recorded during diving transects.



3.4 PMF/MPA search feature distribution

In total nine PMF components were observed during the 2010 Clyde Sea survey, not including the shelf deep large scale feature which is not discussed here (Table 12, Figure 61). Table 13 summarise the locations of shows these feature.

Table 12. Summary of the MPA search features observed during the 2010 Clyde Sea area survey. NB Shelf deep not listed

Broad PMF Habitat/ PMF Species	Component biotopes/ species	Component habitats/ species
Burrowed mud habitats	- Seapens and burrowing megafauna in circalittoral fine mud - Burrowing megafauna and <i>Maxmuelleria lankesteri</i> in circalittoral mud - Fireworks anemone	SS.SMu.CFiMu.SpnMeg SS.SMu.CFiMu.MegMax <i>Pachycerianthus multiplicatus</i>
Horse mussel beds	- <i>Modiolus modiolus</i> beds with hydroids and red seaweeds - <i>Modiolus modiolus</i> beds on open coast circalittoral mixed sediment	SS.SBR.SMus.ModT SS.SBR.SMus.ModHAs
Maerl beds	- Maerl beds	SS.SMp.Mrl
Kelp and seaweed communities on sublittoral sediment	- Kelp and seaweed communities on sublittoral sediment	SS.SMp.KSwSS
Northern feather star aggregations	- Northern feather star aggregations	<i>Leptometra celtica</i>
Flame shell bed	- Flame shell bed	<i>Limaria hians</i>

Figure 61. Distribution of all PMFs observed during the survey in the Clyde Sea area

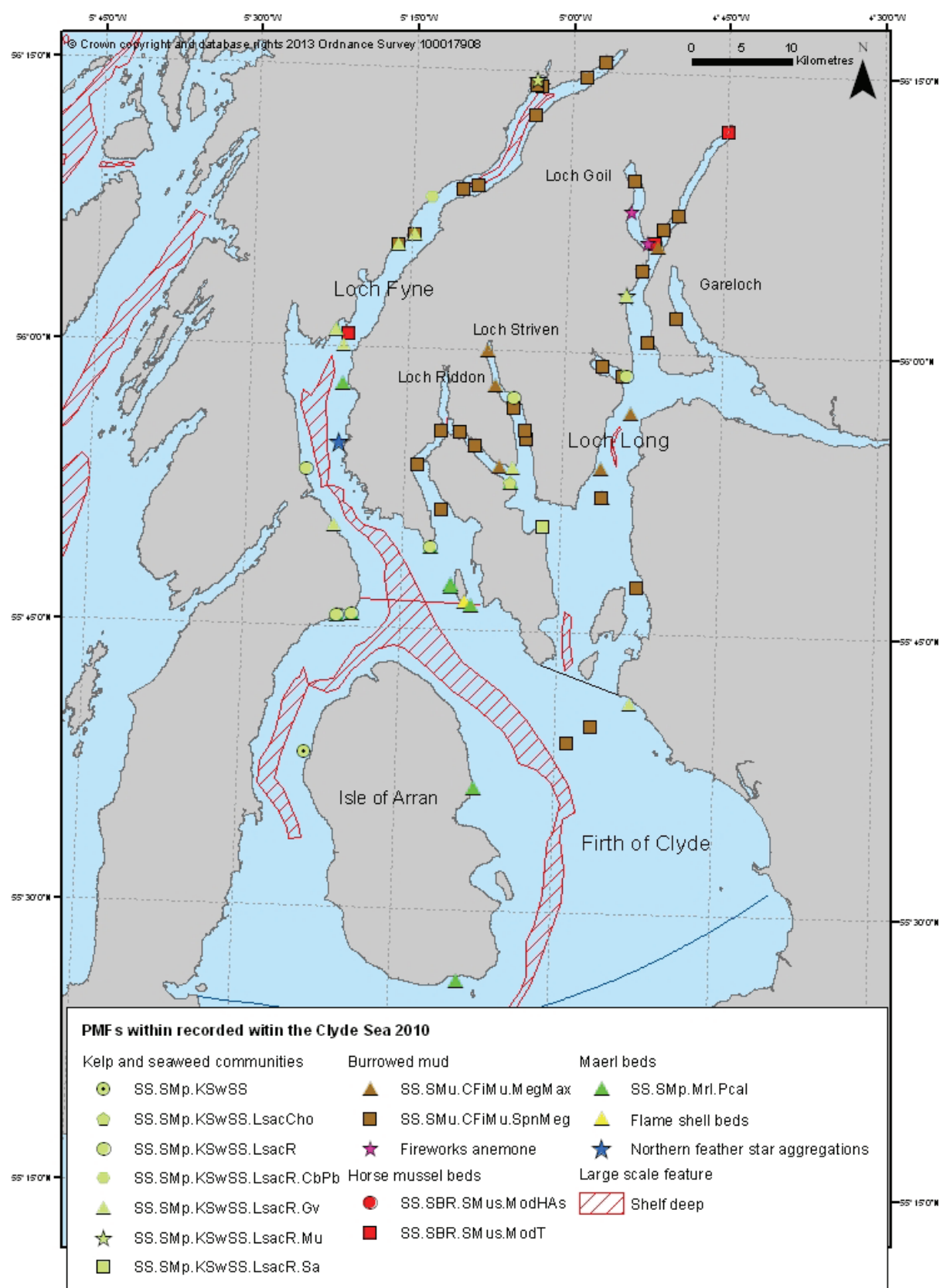


Table 13. Summary of the locations where PMFs were observed during the 2010 Clyde Sea PMF survey from video and still photographs

Broad Habitat	Component Habitats/Species	Survey Sites	Geographic locations
Burrowed mud habitats	SS.SMu.CFiMu.SpnMeg	Camera sites CS45;CS46; LF02; LF03; LF04; LF05; LF08; LF11; LF12; LF34; LF36; LF37; LF48; LF51; LL07; LL11; LL12; LL13; LL14; LL24; LL25; LL28; LL43; LL46; LL48; LL50; LL53; LL59; LL63; LL64	Firth of Clyde; Loch Shira; upper Loch Fyne; Loch Riddon; East and West Kyles; Largs Channel; Loch Striven; Loch Long; Iron Otter Point; Holy Loch; Loch Goil.
	SS.SMu.CFiMu.MegMax	Camera sites LF48; LF51; LL15; LL16; LL18; LL22; LL24;LL28; LL30; LL32; LL50; LL59; LL61; LL64	Furnace area, upper Loch Fyne; Loch Shira; Loch Striven; East Kyle; Firth of Clyde; Loch Long; Loch Goil.
	Fireworks anemone	Camera sites LF02; LF03; LF08; LF48; LF51; LL53; LL55; LL57	Loch Shira; Furnace area, upper Loch Fyne; Loch Goil.
Horse mussel beds	SS.SBR.SMus.ModT	Camera sites LF44, LL43, LL62, LL70	Otter Narrows, Gareloch. Loch Long, Mouth of Loch Goil
	SS.SBR.SMus.ModHAs	LL62	
Flame shell beds	<i>Limaria hians</i>	Dives 02	Shearwater Rock, south of Inchmarnock.
Maerl beds	SS.SMp.Mrl.Pcal	Dives 01; 03; 04; 11 Camera sites CS01; AB02; CS48; LF16; LF41; LF54	West and south of Inchmarnock; Kildonan Point, south Arran; Merkland Point, Isle of Arran; Skipness Point; Liath Eilean, Loch Fyne; Ardlamont Point, West Kyle.
Kelp and seaweed communities on sublittoral sediment	SS.SMp.KSwSS	Camera sites CS01; CS02; CS13; CS44; LF01; LF11; LF12; LF16; LF25; LF27; LF41; LF46; LF49; LL08; LL15; LL20; LL21; LL47; LL52;	Skipness Point; north-wets Arran; Limpet Craig, Firth of Clyde; upper and lower Loch Fyne; Ardlamont Point; Loch Striven; East Kyle; Loch Long
Northern feather star	<i>Leptometra celtica</i>	Camera sites LF23	Auchalick Bay, lower Loch Fyne

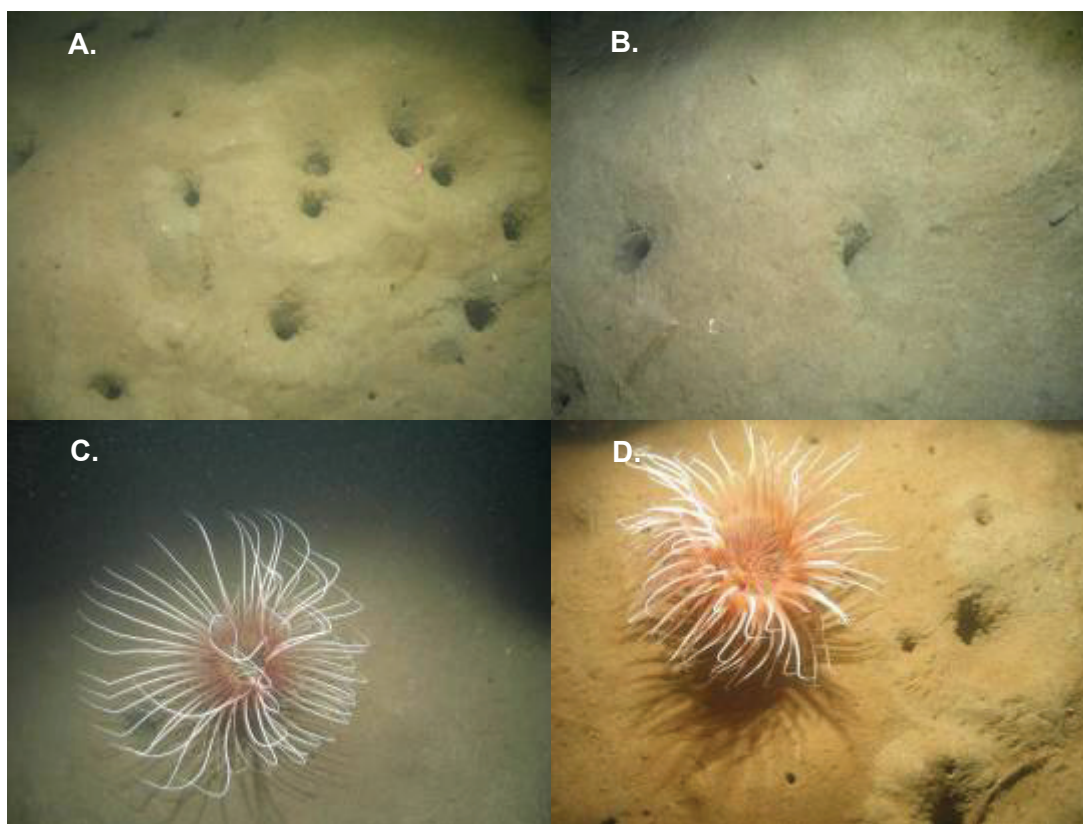
3.4.1 Burrowed mud habitats

The burrowed mud biotopes **SS.SMu.CFiMu.Spnmeg** and **SS.SMu.CFiMu.MegMax** were the most commonly observed PMF biotopes in the Clyde Sea survey area. Of the three sea pens that characterise the **SS.SMu.CFiMu.Spnmeg** biotope, the slender seapen *Virgularia mirabilis* was the most common species observed, with *Pennatula phosphorea* only observed on video from the mouth of Loch Striven (LL15). *Funiculina quadrangularis* was not observed from any station during the survey. The burrowed mud component biotopes **Spnmeg** and **MegMax** were occasionally observed in close proximity to each other (e.g. Upper Loch Long and Upper Loch Fyne), with the **MegMax** biotope generally found deeper, with a greater frequency of macrofaunal burrows and much fewer, if any, sea pens. The conspicuous burrows from both biotopes included those formed by *N. norvegicus* in addition to other crustacean species such as the brown shrimp *Crangon crangon*. The majority of the burrow inhabitants retreated as the drop-down camera system passed over them, making identification impossible. The exact number of individual burrows present in an area was hard to estimate as *N. norvegicus* typically forms burrow complexes with more than one entrance. The highest abundance of burrows was seen in upper Loch Fyne, Loch Striven and in the Kyles of Bute. Other fauna visible included the burrowing brittlestar *Amphiura* sp. and large numbers of the pink shrimp *Pandalus montagui*. Two of the grab samples within Loch Fyne (LF01, LF08) fell within areas characterised by burrowed mud habitats. Typical infaunal species included *Amphiura chiajei*, *Abra alba*, *Nucula nitidosa* and various species of polychaete worms. These two grab sites had a moderate species diversity and equitability compared to the other grab samples (Shannon-Wiener scores of 2.5 and 2.54 respectively).

The **Spnmeg** biotope had a generally wider distribution than the **MegMax** biotope and was recorded throughout Loch Fyne (including Loch Shira), the Firth of Clyde, East and West Kyles of Bute, Lochs Riddon, Striven, Goil and Long, Holy Loch and Gareloch. In contrast the **MegMax** biotope was only observed at the Furnace area of upper Loch Fyne, Loch Shira, Loch Striven, East Kyle, Firth of Clyde, Loch Long and Loch Goil. The largest areas of **MegMax** were found in the Kyles of Bute and Loch Striven, whilst the most extensive areas of **Spnmeg** were found in upper Loch Fyne.

The fireworks anemone *Pachycerianthus multiplicatus* was observed in both the Loch Long and the Loch Fyne survey areas (Figure 62). It occurred in higher abundances in Loch Fyne compared to Loch Long, and was generally found on mud to sandy mud sediment, often near to sea pens or macrofaunal burrows (**SS.SMu.CFiMu.Spnmeg**). *Pachycerianthus multiplicatus* was observed in Loch Shira (LF02 and LF51) at the head of Loch Fyne (LF03) and near the Furnace region of Loch Fyne (LF08 and LF48). Within the Loch Long area, *P. multiplicatus* was found near the mouth of Loch Goil (LL53 and LL55) at approximately 30 m depth and within Loch Goil (LL57) at 20 m depth. The presence of *P. multiplicatus* at LL55 was notable as the sediment there was generally coarser than the fine mud seen at the other stations.

Figure 62 Still photographs of burrowed mud habitats. A. *SS.SMu.CFiMu.MegMax* from Loch Long (LF48); B. *SS.SMu.CFiMu.SpnMeg* from Loch Fyne (LF05); C. Fireworks anemone *Pachycerianthus multiplicatus* from Loch Shira; D. *Pachycerianthus multiplicatus* from the Furnace area of Loch Fyne.



3.4.2 Horse mussel beds

The horse mussel *Modiolus modiolus* was generally found in small clumps (1 - 4 individual mussels within 1 m²) rather than in extensive beds, and a large number of dead shells was observed throughout the Clyde Sea area (Figure 64). A large proportion of the *M. modiolus* observed were found in mixed sediment with high numbers of the anemone *Cerianthus lloydii* in the non-PMF biotope **SS.SMx.CMx.CiloModHo**. At several sites within the Loch Long and Loch Fyne survey areas (e.g. LL10; LL15 and LF44) extensive brittlestar beds comprising *Ophiothrix fragilis* and *Ophiocomina nigra* (**SS.SMx.CMx.OphMx**) were observed covering *M. modiolus*, making assessment of the underlying horse mussel beds impossible. Other *M. modiolus* were occasionally found on silt covered rock walls at the edges of Loch Long characterised by the sea loch anemone *Protanthea simplex*, brachiopods, and various ascidians (**CR.LCR.BrAs** biotope complex).

In terms of the *M. modiolus* PMF biotopes previously recorded from the Clyde Sea area, both the **SS.SBR.SMus.ModT** and **SS.SBR.SMus.ModHAs** biotopes were observed. The **ModT** biotope was recorded at the Otter Narrows (LF44), Gareloch (LL43) (Figure 63), and at the head of Loch Long (LL70) (Figure 63). The largest area of horse mussels were observed in Gareloch (LL43) in depths of 2 – 6 m. The mussel bed here covered approximately 10 m on the video transect, with up to 20 individuals per m².

Modiolus modiolus was the target species for scientific dives 07 and 08 off Kilbride Island in Loch Fyne. A large number of empty *M. modiolus* shells were found during these dives, however, no live animals were observed.

Figure 63 Still photographs of horse mussel beds. A. Modiolus modiolus bed from Gareloch (LL43); B. Modiolus modiolus among dead shells from the head of Loch Long (LL70).

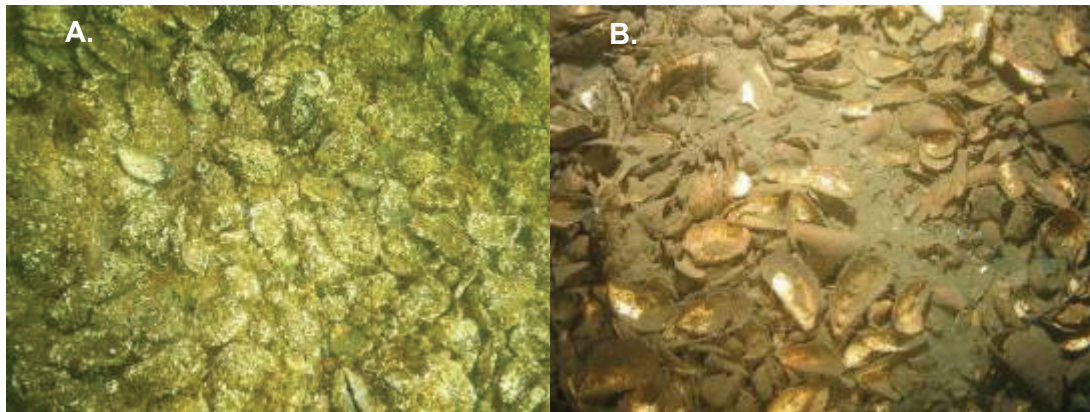
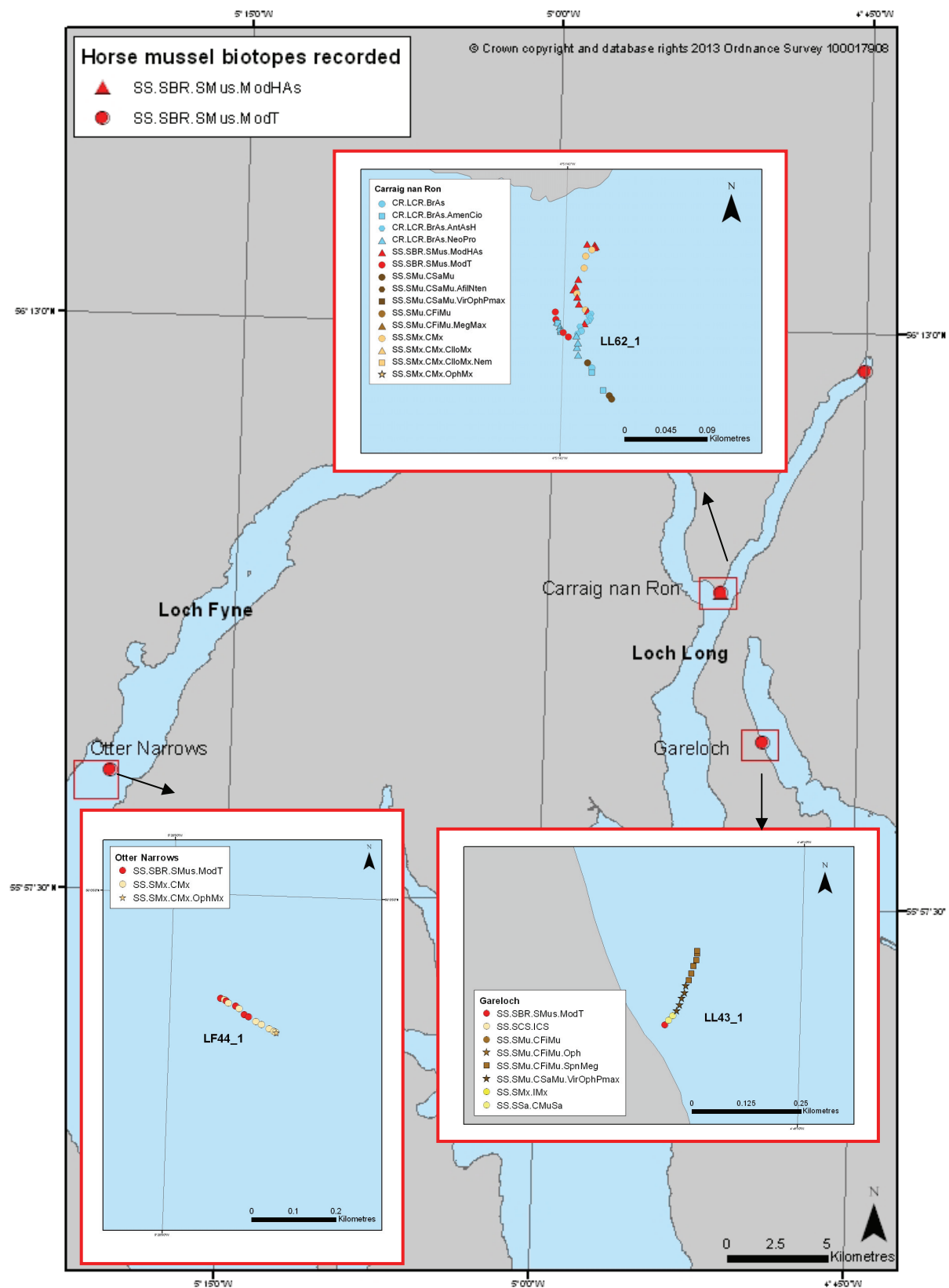


Figure 64. Distribution of the hores mussel, *Modiolus modiolus*, within the 2010 Clyde sea survey area



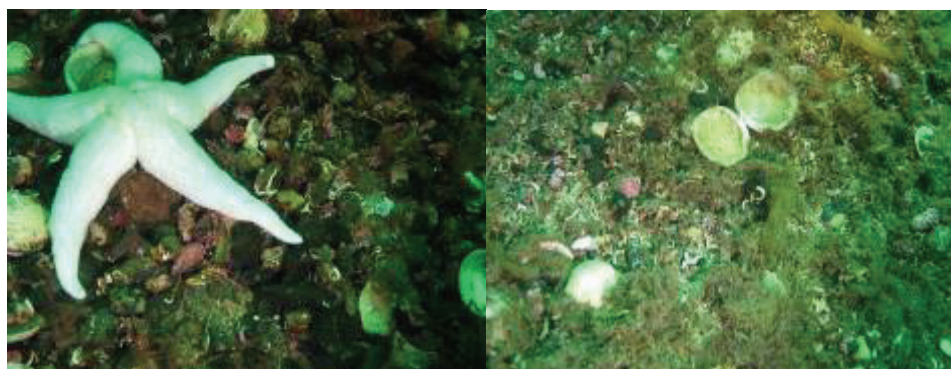
3.4.3 Maerl beds

Several maerl beds were observed from the drop-down camera survey and the scientific diving survey. In general, the maerl beds had a very low proportion of live maerl compared to dead maerl.

Maerl was the target species for dives 03 and 04, located to the west of Inchmarnock Island. Maerl cover was estimated to be 60 - 70 % for dive 3, and 80 - 90 % for dive 04. There was a very high proportion of dead maerl, with only about 1 % live maerl observed during both dives. Some sparse maerl was also found during dive 11 off Pladda Island, south Arran, and dive 1 off Shearwater Rock, south Inchmarnock.

Maerl was also observed from west of Inchmarnock (LF54), and some large maerl beds were seen off Ardlamont Point (Figure 66), to the north of Inchmarnock (LF41). The maerl beds from Ardlamont Point had the highest proportion of live to dead maerl (Figure 65) with ~5 % live maerl observed. Further areas of maerl were found at Skipness Point in the Clyde South survey area (CS01 and CS02), Brodick Bay on the Isle of Arran (CS48), and in East Kyle (LL21). These areas were composed of mainly dead maerl, with less than 1 % live maerl observed at all the sites.

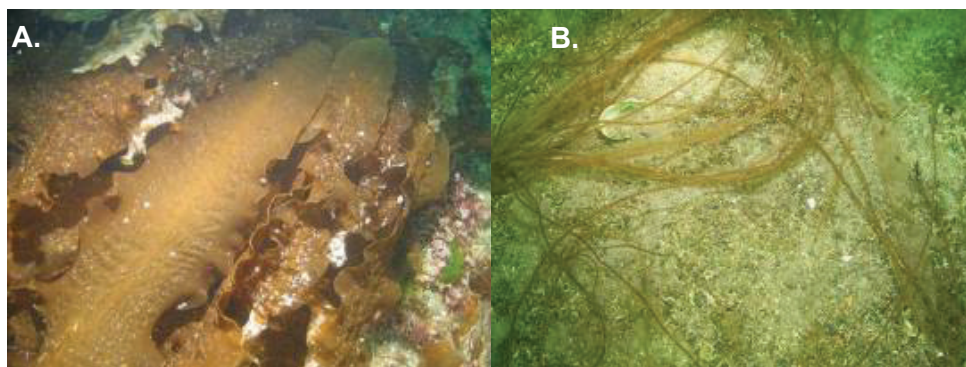
Figure 65. Still photographs of maerl beds from Ardlamont Point (LF41), with live (pink) maerl visible among the dead maerl gravel.



3.4.4 Kelp and seaweed communities on sublittoral sediment

Although not specially targeted during the survey, areas of kelp and seaweed communities on sublittoral sediment were observed throughout the survey area (**SS.SMp.KSwSS**) (Figures 61). **SS.SMp.KSwSS.LsacR** was the most commonly observed sub-biotope of this complex, and was found on a range of different sediment types. **SS.SMp.KSwSS** biotopes were distributed throughout the Clyde Sea area from shallow waters between 2 – 5m in depth. Patches of the **LsacR** sub-biotope were observed at Skipness Point (CS01 and CS02) (Figure 66), off Limpet Craig in the Firth of Clyde (CS44), upper Loch Fyne (LF01, LF11, LF12 and LF16), lower Loch Fyne (LF25 and LF45), off Ardlamont Point (LF41), Loch Striven (LL15), East Kyle (LL08 and LL20) and Loch Long (LL47 and LL52). The **LsacCho** sub-biotope was only observed from Ardmelish Point in the East Kyle (LL21), with up to 40% cover of the biotope characteristic seaweed *Chorda filum*. In addition to the characteristic mix of kelp and red seaweeds, other species associated with the **SS.SMp.KSwSS** biotopes included *Spirorbis* worms on the kelp fronds, juvenile asteroids, some gastropod species and encrusting bryzoans such as *Membranipora membranacea*.

Figure 66. Still photographs of SS.SMp.KSwSS biotopes in the Clyde Sea area. A. SS.SMp.KSwSS.LsacR from Skipness Point (CS01); B. SS.SMp.KSwSS.LsacCho from Ardmelish Point (LL21).



3.4.5 Flame shell beds

Limaria hians beds (SS.SMx.IMx.Lim) were only found during the scientific diving survey from one location, dive site 02, at Shearwater Rock to the south of Inchmarnock. The shot line was deployed within several *L. hians* nests, although these were not immediately observed. However, after a brief search the spongy seabed environment characteristic of flame shells became apparent and several nests were discovered. At least five nests were present within the 5 m circular search area, but due to the difficulty in identifying the nests some may have remained undetected and additional nests may be present further a field.

The individual flame shells seen were approximately 2 cm in length. The nests were in the region of 20 cm in diameter and were slightly raised above the seabed. The nests consisted of mixed sediment dominated by sand and gravel, although shell fragments were also present (Figure 67). There was a rich epifauna associated with the *Limaria hians* beds, including *Marthasterias glacialis*, *Necora puber*, *Luidia ciliaris*, *Henricia* sp., *Pecten maximus* and hermit crabs. Further survey work is required to determine if these nests actually represent a *Limaria* bed. Historical records suggested that *Limaria hians* beds were present at the Otter Narrows, but no flame shells were seen during the scientific dives at this location (Dives 05 and 06).

Figure 67. Photographs of *Limaria hians* taken by scuba diver from dive site 02, Shearwater Rock (on the right: flame shell in nest raised slightly above the seabed).



3.4.6 Northern feather star aggregations, *Leptometra celtica*

The northern feather star, *Leptometra celtica*, was observed during the drop-down camera survey at around 15 m off Auchalick Bay, lower Loch Fyne (LF23). The specimens of *Leptometra celtica* observed were present on areas of rock with a covering of mixed faunal turf (Figure 68). There have been no previous records of this species from the area of the Clyde Sea surveyed. Station LF23 was originally targeted as a possible location for maerl, although none was found here. The northern feather star was only observed at low densities, with around 1 – 9 individuals present within a 100 m² area. Some of the individuals observed appeared to be in poor health, with pinnules missing or damaged on the lower portions of the arms. There are no previous records of *L. celtica* from the survey area.

Figure 68. Photograph of northern feather star recorded in lower Loch Fyne



3.4.7 Other species and habitats

3.4.7.1 Ocean quahog

The ocean quahog, *Arctica islandica*, was only observed on a few occasions during the survey (Figure 61). Those locations where *A. islandica* was found were widely scattered over the entire Clyde Sea survey area. Due to the burrowing habits of *A. islandica* the condition of those individuals recorded from Catacol, north Arran (CS06) Loch Striven (LL12 and LL15), Loch Goil (LL58) and upper Loch Long (LF05) was uncertain. At each of these locations only a solitary individual was seen, although the habitat did seem suitable for larger numbers to be present.

However, *A. islandica* was also found during the macrofaunal processing of some grab samples. The grab samples taken from Loch Gilp (LF17), off Tomont End, Great Cumbrae (LL06) and the inner Firth of Clyde (LL28) all contained live *A. islandica*, with one individual found in each of the grabs. The sediment from these sites comprised sandy-mud or muddy-sand. Other fauna present in the samples included a variety of polychaetes and bivalves (see Annex G).

3.5 Historical PMFs not observed in the Clyde Sea area 2010

3.5.1 Inshore deep mud with burrowing heart urchin

Amphiura spp. were present throughout the survey area where the sediment type was muddy-sand or finer (Figure 69). All grab samples from the Kilbrannan Sound (site 3), the Firth of Clyde (sites 7 and 10), and throughout Long Fyne (sites 11, 13, 14, 15, 17 and 18) were found to contain the brittlestar *Amphiura chiajei*, which is associated with the burrowing heart urchin *Brissopsis lyrifera* as part of the **SS.SMu.CFiMu.BlyrAchi** biotope. However, no evidence of *B. lyrifera* (either as live animals, broken tests or feeding furrows) was found during this study, so it cannot be stated with any certainty if the biotope **SS.SMu.CFiMu.BlyrAchi** occurs, or if the observed *Amphiura* are part of the closely allied **SS.SMu.CFiMu.SpnmMeg** biotope.

Figure 69. Still photographs of *Amphiura* spp. from Loch Striven.



3.5.2 Seagrass beds

No seagrass beds were evident from any of the drop-down camera video footage or still photographs. Previous studies state that the main seagrass bed found in the Clyde Sea area was located around Pladda Island off the south coast of Arran. Scientific dives 09, 10, 11 and 12 attempted to survey this bed, but no evidence of *Zostera marina* could be found. This area was quite exposed, and the sediment consisted of a mixture of coarse sand, pebbles and bedrock, which are not suitable for seagrass. Other records of seagrass from Whiting Bay on the east coast of Arran could not be confirmed as there was not enough time to run drop-down camera transects over the area.

3.5.3 Fan mussel aggregations

Previous studies have recorded *Atrina fragilis* around the east coast of Arran and around the Cumbrae Islands (Moore and James, 2010). Despite wide drop-down camera coverage around the Cumbrae Islands, no *A. fragilis* were observed. Very few sites on the east coast of Arran were surveyed during this study, so no definitive conclusion can be drawn on the distribution of *A. fragilis* in this locality. The drop-down camera analysis revealed the area around the Cumbraes to be sandy mud or mixed sediment, often dominated by the anemone *Cerianthus lloydii* and with large aggregations of sea slugs from the family Onchidorididae.

4. DISCUSSION

4.1 Presence of MPA search features within the Clyde Sea

In total of nine PMF component habitats and species were observed during the 2010 Clyde Sea survey (not including the shelf deep). All of the observed PMFs are also MPA search features. The distributions of the PMFs/ MPA search features observed during the 2010 survey have been compared to their historical records in Table 14. Results show that these features did not entirely match the historical data. Some features were not observed as extensively as their historic records suggested, whilst other features were completely absent. This may be due to the size of the survey area together with the fact that not all historical PMF locations were visited in 2010.

Table 14. Records of PMF/ MPA search feature biotopes and species within regions of the Clyde Sea area (●= Observed in 2010, ○= Historical records).

PMF component biotope/ species	Loch Fyne	Loch Long	Clyde South
SS.SMu.CFiMu.SpMg	●○	●○	●
SS.SMu.CFiMu.MgMax	●○	●	
<i>Pachycerianthus multiplicatus</i>	●○	●○	
SS.SBR.SMus.ModT	●○	●○	
SS.SBR.SMus.ModHAs		●○	
SS.SMp.Mrl.Pcal	●○	●○	●○
SS.SMx.IMx.Lim	●○		
<i>Arctica islandica</i>	?●○	?●○	?●○
Fan mussel aggregations		○	○
SS.SMu.CFiMu.BlyrAchi	○		
SS.SMp.SSGr.Zmar			○
Northern feather star	●		
SS.SMp.KSwSS	●○	●○	●○

The most significant area of seagrass from the historical records in the Clyde Sea area was a bed of *Zostera marina* on the south coast of the Isle of Arran off Kildonan Point (Wilding *et al.*, 2005). Dive site 03 was located in order to confirm the presence of this seagrass bed, but unfortunately no *Z. marina* was observed. The sediment in the area was generally unsuitable for seagrass, so it is probable that the locations of the seagrass bed provided by historical data did not match the area surveyed, possibly because coordinate projections did not match or positional data of historical records may be of poor quality. No other seagrass beds were evident from any of the drop-down camera video footage or still photographs.

Time limitations of the survey meant that reports of a seagrass bed in Whiting Bay on the east coast of Arran (COAST, 2005) could not be confirmed.

Historical records of *Atrina fragilis* around the east coast of Arran and the Cumbrae Islands were extremely old and dated back to 1899. Despite wide drop-down camera coverage around the Cumbrae Islands, and two grab samples being taken off Great Cumbrae Island, no *A. fragilis* were observed. However, the grab samples did not cover a large area around the Cumbrae Islands, and are not sufficient to rule out the presence of *A. fragilis* in this area. Very few sites on the east coast of Arran were surveyed during this study, so no definitive conclusion can be drawn on the distribution of *A. fragilis* in this locality.

The heart urchin *Brissopsis lyrifera* had previously been recorded from West Kyle (Holt and Davis, 1991). No *B. lyrifera* was recorded during this survey. As *B. lyrifera* is an infaunal organism, it was unlikely to be visible with the drop-down camera system, and due to time limitations no grab samples were taken from the West Kyle area. The brittlestar *Amphiura chiajei* is sometimes associated with *B. lyrifera*, and was found to be widely distributed across the Clyde Sea area, perhaps suggesting that a more intensive grabbing survey would be required to outline the exact distribution of *B. lyrifera*. *Amphiura* spp. have been previously recorded in Loch Riddon, Loch Striven and Loch Goil (Holt and Davis, 1991). In addition to these locations, this survey found *Amphiura* spp. from Loch Shira, upper Loch Fyne, north-west of Arran, around the Cumbrae Islands, Holy Loch, Gareloch and Loch Long.

4.1.1 Burrowed mud habitats, including the fireworks anemone

Burrowed mud habitats were observed throughout the Clyde Sea region, but were most extensive within the sea lochs within the Loch Long and Loch Fyne survey areas. Both of the closely allied biotopes **SS.SMu.CFiMu.SpMmeg** and **SS.SMu.CFiMu.MegMax** were encountered, although sea pens with burrowing megafauna was more common. **SS.SMu.CFiMu.MegMax** was particularly common within Loch Striven. There was a relatively good overlap between the historical records of burrowed mud habitats and the observed locations from the survey. The main difference was the absence of any observed burrowed mud habitats in the lower Loch Fyne area during the survey, where the historical records show several sites. These historical sites were targeted during the survey and found to have soft sediment biotopes, but lacked the characteristic species that define the burrowed mud PMF biotopes. The differences between the historical records and the observed data may represent actual changes in the fauna present at these sites, but could also represent slight discrepancies between the exact locations covered by this study and those surveyed by previous studies of the area.

At most locations the area covered by the burrowed mud habitat exceeded the length of the video transect lines, making it difficult to establish the actual extent of the PMF. By examining the locations where burrowed mud habitats were observed and those locations surveyed where there was no evidence of the habitat, a rough estimate of the extent of the burrowed mud habitat can be made. The data suggests that burrowed mud habitats run from the head of Loch Fyne down to at least the Eilean Aoghainn region. The habitat was present throughout the Kyles of Bute and up to the head of Loch Striven. Loch Long appeared to have burrowed mud running from the head of the loch down to near Wemyss Bay, and throughout Loch Goil. Burrowed mud could easily extend beyond these areas, and further surveying would be required to pinpoint the exact boundaries of this broad PMF.

The fireworks anemone *Pachycerianthus multiplicatus* was observed in areas characterised by the **SS.SMu.CFiMu.SpMmeg** and **SS.SMu.CFiMu.MegMax** biotopes. Previous studies have recorded high numbers of *P. multiplicatus* in upper Loch Fyne, particularly in Loch Shira, with other records of the species from Loch Goil and Loch Long (Howson and Davis,

1991; Seasearch, 2008). The distribution of *P. multiplicatus* mapped from this survey matched these previous records, with high numbers of *P. multiplicatus* seen using the drop-down camera system in Loch Shira, the Furnace area and the head of Loch Fyne, Loch Goil and Carraig nan Ron at the mouth of Loch Goil. These locations are notable as being within the areas that have restricted access due to MOD activities, possibly a reason why the sites remain a stronghold for *P. multiplicatus*. The high numbers of *P. multiplicatus* observed in Loch Shira and upper Loch Fyne suggests that the conservation measures in place there are being effective.

4.1.2 Horse mussel beds

Previous records of *Modiolus* beds in the Clyde Sea area have included the shallow water around Arran, Holy Loch, Loch Long, Loch Striven, and Loch Riddon (Wilding *et al.*, 2005), although it is unknown whether any of these beds represented *M. modiolus* PMF biotopes. *Modiolus modiolus* was observed at all of these locations during the survey but very few of these locations were characteristic of the PMF *M. modiolus* biotopes, which were restricted to the Otter Spit Narrows in Loch Fyne, Carraig nan Ron, the head of Loch Long, and a new record from Gareloch. Although *M. modiolus* was present at the other historic PMF locations (west of Kilbride Island in Loch Fyne, upper Loch Long and Loch Goil), only sparse clumps of mussels were observed rather than the expected biotopes.

Generally the *M. modiolus* beds were sparse when encountered, with the exception of those observed in Gareloch. This bed was observed over a 10 m line during a video transect, with up to 20 individual present per m². Large numbers of dead *M. modiolus* shells were seen throughout the survey area, perhaps suggesting a decline in the abundance of the species. *Modiolus modiolus* was most frequently observed in the non-PMF biotope **SS.SMx.CMx.CIlloModHo**, which occurs in similar physiographic conditions to the PMF biotope **SS.SBR.SMus.ModHAs**, but is characterised by lower *M. modiolus* numbers and a generally lower diversity (Connor *et al.*, 2004). This again indicates that there may have been a decline in the size and quality of the horse mussel beds in the Clyde Sea area.

4.1.3 Maerl beds

Maerl was found during the survey at Ardlamont Point, Skipness Point and the Otter Spit Narrows. Maerl had been previously recorded from all of these locations by Kamenos *et al.* (2004) and Wilding *et al.* (2004) and noted by Moore and James (2010).

Maerl was also found during the survey at some unreported locations - west of Inchmarnock, Ardmelish Point in the East Kyle and at Kildonan Point, south Arran. However, maerl had been previously recorded from Loch Riddon and Loch Ruel, south of the Island of Bute (Moore and James, 2010), and the Cumbrae Islands at Stravanan Bay and Tan Buoy (Kamenos *et al.*, 2004). No evidence of maerl beds at these locations were seen during the survey.

Although the observed maerl beds generally had high percentage coverage (~65 % or greater), the beds were of very poor health, consisting of mostly broken dead maerl gravel with less than 5 % live maerl present. The high proportion of dead to live maerl observed from the survey agrees with the suggestion by Kamenos *et al.* (2004) that all the maerl in the Clyde Sea area is impacted dead maerl. However, dead maerl beds still offer a complex spatial habitat and often have rich associated fauna, as was observed by the scientific diving west of Inchmarnock Island. Some of the fauna observed at maerl beds during the survey included *Marthasterias glacialis*, *Asterias rubens*, *Crossaster papposus*, *Cancer pagurus*, *Henricia* sp. *Porania* sp. and *Echinus esculentus*.

Previously maerl had been reported from Loch Riddon and Loch Ruel, south of the Island of Bute (Moore and James, 2010), and the Cumbrae Islands at Stravanan Bay and Tan Buoy (Kamenos *et al.*, 2004). No evidence of maerl beds at these locations were seen during the survey.

4.1.4 Kelp and seaweed communities on sublittoral sediment

Kelp and seaweed communities were observed in shallow water areas along the edges of the sea lochs. Sublittoral sediment seaweed communities were recorded from Skipness Point, the mouth of Holy Loch, East Kyle, and the Castle region of upper Loch Fyne from both the survey and the historical records from the Clyde Sea area. The **SS.SMp.KSwSS** biotope was not specified as a target PMF for this survey, and so although the habitat presence was noted prior to the survey the historic records for this biotope were not considered when planning the survey sites. It is therefore not surprising that there were historic records of the **SS.SMp.KSwSS** biotope from upper Loch Long, Loch Goil and Gareloch that were not observed in the survey. In addition the distribution of the sublittoral sediment kelp and seaweed communities may be under-represented as the majority of the survey work targeted deeper water areas.

4.1.5 Flame shell beds

Limaria hians was only found from one site during the survey, at Shearwater Rock to the south of Inchmarnock Island. The flame shell nests at Shearwater Rock were in good health, with at least 5 *L. hians* found within a 5 m search area, each nest measuring approximately 20 cm in diameter and containing several live specimens. The area observed by the divers containing the *L. hians* nests was less than 5 m² in size. The flame shell nests were extremely cryptic in nature, and required a diver in close proximity to confirm their presence. In addition, the location given for the historic records for this feature were descriptive rather than an accurate position. Locating the nests was therefore time-consuming but future monitoring of the feature should be aided by the current data.

The total area covered by the nests could theoretically extend beyond the 5 m² area of the seabed surveyed, but this cannot be confirmed without further scientific diving on the site. The historic records point to extensive *L. hians* beds being present at a number of locations throughout the Clyde Sea area, but these appear to have disappeared as a consequence of fishing activities (Hall-Spencer and Moore, 2000). A more recent record of *L. hians* at the Otter Narrows in Loch Fyne (Howson and Davies, 1991) was targeted by scientific diving during the survey, but no flame shells were observed there. However, nests of flame shells may still be present at this location but due to the difficulties in identifying the nests and the individual flame shells these may simply have been undetected in the 2010 survey.

4.1.6 Northern feather star aggregations

The northern feather star *Leptometra celtica* was only observed from one site off Auchalick Bay in lower Loch Fyne. There are no previous records *L. celtica* from the survey area. One of the specimens observed was of relatively poor health, with damaged and missing pinnules on the lower portions of its arms. Although usually regarded as a deep water animal, the specimens were found at around 15 m depth. The feather star was only observed at low densities, with around 1 – 9 individuals present within a 100 m² area.

4.1.7 Ocean quahog aggregations

Arctica islandica had been previously recorded with a wide distribution throughout the Clyde Sea area, with reports from the Kyles of Bute, Loch Riddon, Loch Striven, Loch Long, Loch Goil and Holy Loch and Gareloch (Yonge and Thompson, 1976). *Arctica islandica* was not

observed during this study from many of these locations. Yonge & Thompson (1976) described *A. islandica* as the dominant species in Loch Striven. Although shells of *A. islandica* were seen in Loch Striven from the drop-down camera survey, they were infrequent in number and certainly did not represent the dominant species in the Loch. Further shells of *A. islandica* were seen from the drop-down camera survey from upper Loch Long and upper Loch Fyne. The grabbing survey found *A. islandica* in small numbers from Loch Gilp, Largs Channel and Loch Long. Camera and video surveys are not the most appropriate tool to use to assess the distribution of *A. islandica* due to its infaunal nature. A more intensive grabbing survey would provide a more accurate picture of the distribution of *A. islandica* in the Clyde Sea area.

4.2 Survey extent and limitations

The region of the Clyde Sea covered by the 2010 survey was very large in scale. Attempting to comprehensively map the distribution of PMFs across the whole Clyde Sea area would require an extremely large effort in terms of both time and money. Therefore the survey did not attempt to cover the whole extent of the Clyde Sea area, and was based around targeting locations that had historic records of PMFs, in addition to sampling some new areas. Overall, the drop-down camera survey had good coverage of upper Loch Fyne, Loch Riddon, East Kyle, Loch Goil, Gareloch, Loch Striven, Holy Loch, Loch Long, the north-west coast of Arran and the Largs Channel. Less survey effort was targeted at other areas. Such as Kilbrannan Sound and the Firth of Clyde.

The grab sampling survey had a much lower coverage of the Clyde Sea than the drop-down camera survey, and as a result some of the targeted PMFs (particularly infaunal species) will have been under-represented. In addition there appeared to be a discrepancy in the sampling methods between the Seastar Survey grab samples and those collected by SEPA, with the SEPA grab samples containing fewer individuals and species and a higher degree of damaged material. These discrepancies made it hard to analyse whether the observed differences in the data represented true variation between sites, or if they were an artefact created by different field work sampling and processing techniques.

Defining PMFs using biotopes has some limitations that are associated with the fundamental nature of the biotope classification system. Biotope analysis is subjective, and sometimes the observed characters at a location do not easily fit within one particular biotope. In addition, many biotopes are closely allied to one another and can form a scale that represents the health of a particular habitat. Rather than just looking for set PMF biotopes it could also be useful to search for those related biotopes that may be indicative of a decline in the health of a habitat (e.g. the **SS.SBR.SMus.ModHAs** horse mussel biotope and the **SS.SMx.CMx.CiloModHo** biotope). However, there is a greater chance of observing a specific biotope when surveying compared to a single target species, particularly if the species is rare or cryptic and difficult to spot.

Comparisons with previous records of PMFs from the Clyde Sea area have allowed an insight into how the distribution and presence of features within the survey area have changed over time. For some of the features such as burrowed mud habitats distribution patterns appeared to be relatively unchanged, whilst other features such as horse mussel and flame shell beds appeared to have declined. A range of biotopes were present within the Clyde Sea area, with 70 different biotopes and sub-biotopes observed. The majority of sites surveyed were composed of soft sediment, and grab samples showed some areas to have a high diversity and richness of infauna. Of note was the division of results in terms of historic records in relation to 2010 results. Approximately a third of the targeted sites were confirmed PMFs, a third were PMFs but not as expected and the final third of sites were found to have no PMFs recorded at all (see above). This suggests that any mapping of PMFs based on historic records only may therefore be unreliable.

The drop-down camera survey covered a large extent of the Clyde Sea area, and was able to successfully map the present distributions of the targeted epibenthic PMFs such as burrowed mud habitats, *Pachycerianthus multiplicatus*, maerl, and *Modiolus modiolus*. The distributions of the targeted infaunal PMF species such as, *Arctica islandica*, *Brissopsis lyrifera* and *Limaria hians* were less successfully recorded, mainly due to the necessity of using grab samples to determine their presence at a given location but also as a result of the limited spatial distribution of these taxa. To increase the grabbing survey effort would have required a large investment of time, even if only looking for the presence/absence of specific fauna. The scientific diving survey was able to successfully assess the presence or absence of targeted PMFs at specific locations.

The distributions of burrowed mud habitats, *Pachycerianthus multiplicatus*, maerl beds, and horse mussel beds mapped during the survey were found in general to be similar to previous records of these species within the Clyde Sea area, but with some differences. In general, most species were found in some new locations, and a few were absent from previously recorded sites. Without regular surveys of the fauna in the Clyde Sea area it is difficult to assess whether the new records represent extensions in the distributions of species, or if these records are the result of the survey covering a greater extent of the Clyde Sea area than previous studies. The absence of species from old sites could be caused by the impact of fishing in these areas, especially where PMF species and habitats co-occur with commercially fished fauna, such as scallops and *Nephrops*.

4.3 Recommendations and further work

The total area occupied by the observed PMFs were smaller than the broad search area of the survey. However, the survey area was extremely large and some parts were not intensively examined, such as the Kilbrannan Sound and the Firth of Clyde. These areas also have poor historical records of species and habitat distributions, partly a reflection of the difficulty of surveying these areas due to their considerable depth.

It is suggested that further survey work is required. The boundaries and locations of the PMFs identified in this survey need to be more accurately defined. By breaking the broad survey area down in smaller regions, further survey work should be more focused, allowing a greater effort to be spent over a smaller area. This would allow the extent and distribution of features within each area to be more accurately mapped at a greater resolution, improving our understanding of the quality and coherency of the search features in the Clyde Sea area. Increasing survey effort over a smaller area also increases the likelihood of observing any search features present which may be missed by spreading effort over a broad area. Once the distributions of the search features within the Clyde Sea area have been more accurately mapped, decisions taken regarding the scale of the areas under consideration for protection can be more informed. During the 2010 survey the broad Clyde Sea survey area was split into three regions, Clyde South, Loch Long and Loch Fyne. It is suggested that any future survey is based within these regions, with areas that show a combination of features being the primary focus (Figure 70). The areas suggested for further survey work based on the observations of PMFs from this survey are outlined below.

The area around Inchmarnock Island, including Shearwater Rock to the south, and extending north to Ardlamont Point, is of prime importance (Figure 70, area 1.). This area contains the only *Limaria hians* nests found during the survey. As the sole example of this habitat found within the Clyde Sea area, it is particularly important to conserve these remaining flame shell beds. Although in relatively poor health, fairly extensive maerl beds are also located in this region, with the bed off Ardlamont Point having the highest proportion of live maerl compared to any of the other maerl beds seen in the Clyde Sea area. Flame shell beds and maerl beds offer areas of large spatial heterogeneity, and both habitats have a high diversity of associated fauna. Diving surveys are the most appropriate method for

surveying this area due to the cryptic nature of flame shells, although the extent of maerl beds can be easily ascertained using drop-down camera surveys.

Burrowed mud habitats appeared to be fairly endemic within the system of sea lochs in the Clyde Sea, and could be regarded as being characteristic of the area. However, there are several areas, especially those characterised by the rare fireworks anemone, that have a great potential for inclusion into the Scottish MPA network. The first of these areas is in upper Loch Fyne, extending from the head of the loch to below the Furnace area, including Loch Shira, possibly extending as far south to include the Otter Narrows (Figure 70, area 2.). This area of Loch Fyne includes the locations where the fireworks anemone is found, in addition to **SS.SMu.CFiMu.SpnMeg** and **SS.SMu.CFiMu.MegMax** biotopes. Stretching the survey area to include the Narrows would offer greater coherence of the smaller more localised search features such as the horse mussel and maerl beds located at the Narrows. This broad area would also cover some of the non-PMF biotopes where *Modiolus modiolus* was observed, like **SS.SMx.CMx.CiloModHo** habitats and areas where the *M. modiolus* beds were covered by brittlestars. Part of this proposed zone is already a designated Marine Consultation Area (MCA).

The second of the areas would be in Loch Long, running from Holy Loch to the head of Loch Long, including Loch Goil (Figure 70, area 3.). This area again includes a large amount of burrowed mud habitats, including those areas inhabited by the fireworks anemone. The horse mussel beds observed at Carraig nan Ron in Loch Long would fall within this zone, in addition to other non-PMF *Modiolus modiolus* biotopes as mentioned above. Although not a MPA search feature, **CR.LIR.BrAs** biotopes that are regarded as characteristic of Scottish sea lochs are also found within the proposed regions in Loch Fyne and Loch Long. Both of these proposed areas occur in regions used by the MOD.

The final zone for burrowed mud habitats would include the East and West Kyles of Bute, and Loch Striven (Figure 70, area 4.). In addition to **SpnMeg** biotopes and more sparse horse mussel beds, this area had the highest records of the **MegMax** biotope observed in the Clyde Sea area. Establishing a protection area through the Kyles would also cover the maerl bed observed at Ardmelsih Point. Within the three proposed areas for burrowed mud habitat there were records of the ocean quahog and kelp and seaweed soft sediment communities. Drop-down camera surveys would be the most appropriate method for establishing the boundaries of the burrowed mud habitats and the other search features in these outlined areas. Undertaking grabbing surveys would help characterise the infaunal component of these areas, in addition to identifying the presence of any ocean quahogs.

A further recommended area for work is the area off Auchalick Bay was the only site where the northern feather star was seen in the Clyde Sea area (Figure 70, area 5.). In addition Horse mussel and maerl beds have been observed at the Otter Narrows, Loch Fyne, but the exact extent and distribution of these features is uncertain therefore additional survey work is required to accurately define the boundaries of these features.

Further areas which should be considered include the area off Skipness Point which was characterised by soft sediment kelp and seaweed habitats, in addition to some maerl beds. Maerl beds have been recorded outside the No Take Zone in Lamlash Bay (see Axelsson *et al.*, 2009; 2010), which should be considered. Although not observed during this survey due to time constraints, there are records of a large seagrass bed on the East coast of Arran at Whiting Bay (COAST, 2005). Further survey work should also be directed to examine the extent and distribution of this seagrass bed.

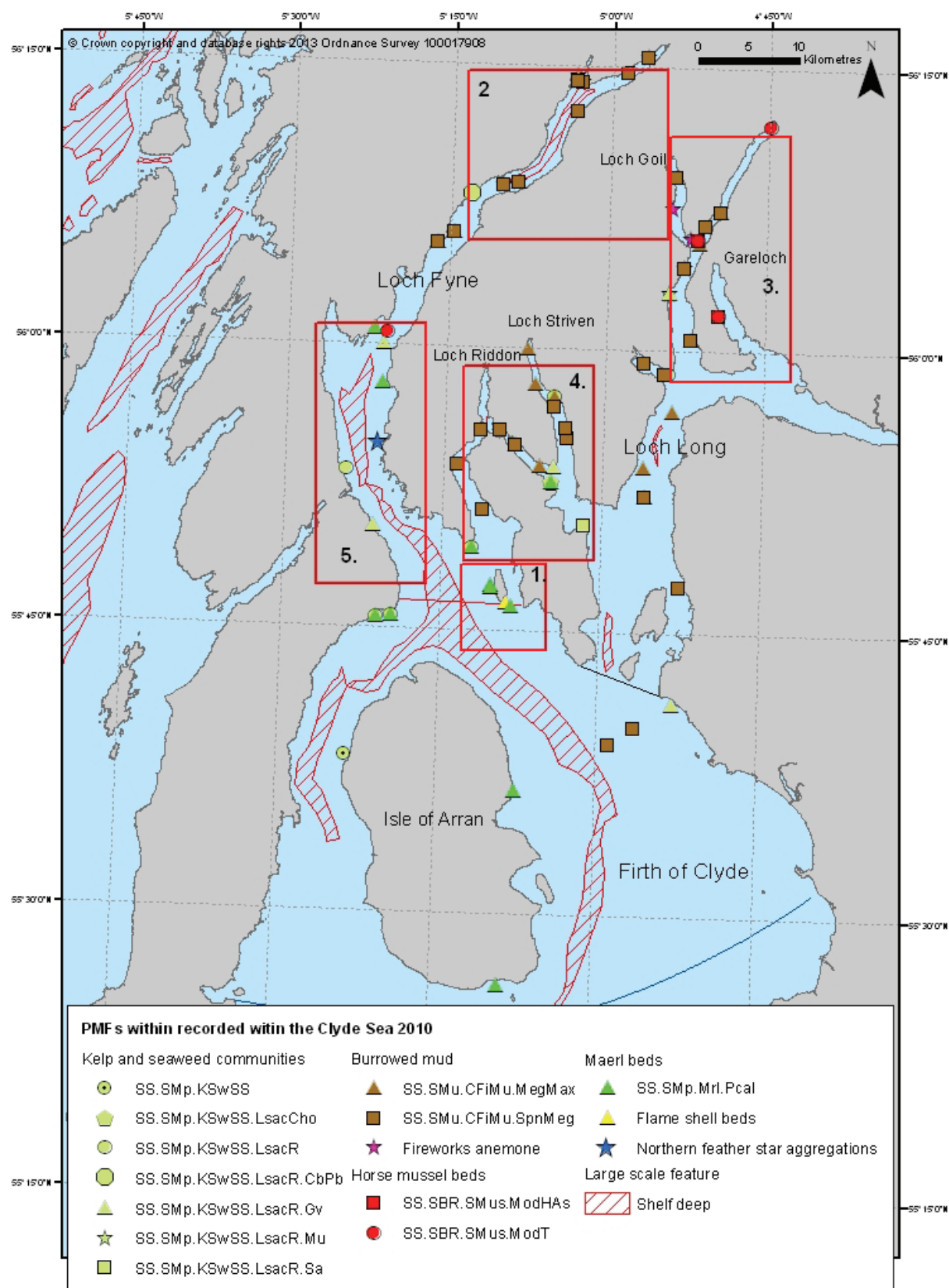
Surveys undertaken in the Clyde Sea area should employ a mixed sampling methodology (i.e. camera, grab and dive surveying) to adequately map the features. Drop-down video surveying is suitable for examining the extent of the burrowed mud habitats, horse mussel

beds, maerl beds and to look for the presence of seagrass. Scientific diving is required to search for cryptic features like flame shell beds. In order to accurately assess whether infaunal search features like *Arctica islandica* or *Atrina fragilis* are present in an area, sediment grab surveying must be employed.

Undertaking an acoustic survey of the Clyde Sea area using sidescan sonar would provide data on the sediment type, which would aid in the mapping of PMFs like burrowed mud habitats. However considering the MOD presence in the area, it is unlikely that permission for such a survey would be granted. However, outside of the MOD areas acoustic surveys may be more feasible, such as around Inchmarnock Island or the Kilbrannan Sound.

Once further survey work has been undertaken in the Clyde Sea area, and perhaps supplemented by sidescan sonar data showing sediment distribution patterns in the area, broad biotope polygons could be constructed using GIS software with a high confidence on the accuracy of the areas defined.

Figure 70. Suggested locations for future survey work within the Clyde Sea area (red bordered), with the PMFs observed in each area during the 2010 survey highlighted.



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ANNEX A: SUMMARY OF PLANNED SURVEY STATIONS AND TARGETED PMFS

BM – Burrowed mud
HM – Horse mussels
MB – Mael bed

FM – Flame shells
SG – Seagrass bed
OQ – Ocean quahog

IM – Inshore deep mud
FM – Fan mussel

Positions are UTM North Zone 30 (6W - 0) east and north (m)

Station	Target_(fauna)	Equipment	Easting_(m)	Northing_(m)
LF_01	BM	Drop-down camera	372460.53	6235014.51
LF_02	BM, MB	Drop-down camera	373069.01	6234423.48
LF_03	BM, HM	Drop-down camera/grab	379295.94	6236623.69
LF_04	BM	Drop-down camera/grab	377446.87	6235207.01
LF_05	MB, HM	Drop-down camera	372411.35	6231514.41
LF_06	BM, HM	Drop-down camera	370568.71	6227588.39
LF_07	HM, OQ	Drop-down camera	368575.31	6227159.53
LF_08	BM	Drop-down camera	365217.29	6224311.27
LF_09	New Location	Drop-down camera/grab?	361794.36	6223175.31
LF_10	HM, BM	Drop-down camera	361444.98	6220387.25
LF_11	MB, HM	Drop-down camera	360384.56	6219741.96
LF_12	BM, HM	Drop-down camera	358799.73	6218719.16
LF_13	BM	Drop-down camera	358657.93	6216777.46
LF_14	MB, HM	Drop-down camera	356597.79	6211988.55
LF_15	New Location	Drop-down camera/grab?	355312.88	6214559.96
LF_16	BM, FS, HM, MB	Drop-down camera	352465.86	6210183.00
LF_17	New Location	Drop-down camera/grab?	347969.86	6210600.32
LF_18	Burrowed mud	Drop-down camera	348801.84	6206996.62
LF_19	MB, HM, BM	Drop-down camera	352301.05	6204927.71
LF_20	HM	Drop-down camera	348121.70	6203567.45
LF_21	New Location	Drop-down camera/grab?	352642.69	6202795.15
LF_22	New Location	Drop-down camera/grab?	349339.19	6201306.01
LF_23	MB	Drop-down camera	352745.00	6199125.45
LF_24	BM	Drop-down camera	349416.70	6196987.66
LF_25	MB	Drop-down camera	349625.29	6196390.79
LF_26	New Location	Drop-down camera/grab?	354331.53	6193455.20
LF_27	OQ	Drop-down camera	352507.90	6190502.87
LF_28	BM	Drop-down camera	354832.29	6187538.06
LF_29	New Location	Drop-down camera/grab?	358042.98	6189903.50
LF_30	BM	Drop-down camera	361278.02	6188431.13
LF_31	BM, IM	Drop-down camera/grab	362851.53	6201980.74
LF_32	BM, IM	Drop-down camera	363058.14	6202214.20
LF_33	BM, HM	Drop-down camera	363031.45	6201293.95
LF_34	BM	Drop-down camera	362967.58	6200183.20
LF_35	New Location	Drop-down camera/grab?	360957.08	6198093.80
LF_36	New Location	Drop-down camera/grab?	360571.95	6196951.26
LF_37	New Location	Drop-down camera/grab?	362959.72	6192522.34
LF_38	OQ, HM	Drop-down camera	365681.26	6190827.80
LF_39	OQ	Drop-down camera	364971.22	6186013.05
LF_40	New Location	Drop-down camera/grab?	363190.79	6185140.81
LF_41	MB, HM	Drop-down camera	361932.96	6188770.53
LF_42	SB	Drop-down camera	364046.07	6185689.77
LF_43	New Location	Drop-down camera/grab?	355770.75	6183959.77
LF_44	New Location	Drop-down camera	353778.86	6209865.48

Station	Target_(fauna)	Equipment	Easting_(m)	Northing_(m)
LF_45	New Location	Drop-down camera	353215.28	6204901.91
LF_46	New Location	Drop-down camera	353332.64	6208839.93
LF_47	New Location	Drop-down camera	351233.24	6208544.02
LF_48	New Location	Drop-down camera	366677.78	6224571.99
LF_49	New Location	Drop-down camera	362071.19	6223395.26
LF_50	New Location	Drop-down camera	362791.98	6202784.59
LF_51	New Location	Drop-down camera	372520.74	6234512.36
LF_52	New Location	Drop-down camera	361863.87	6191157.77
LF_54	New Location	Drop-down camera	365757.61	6182860.46
LL_01	MB	Drop-down camera	376203.57	6176779.12
LL_02	OQ	Drop-down camera	377675.53	6178699.95
LL_03	MB, OQ	Drop-down camera	380558.48	6179841.41
LL_04	BM	Drop-down camera	380943.87	6180846.83
LL_05	BM	Drop-down camera	381094.64	6184248.47
LL_06	OQ	Drop-down camera	381188.81	6184649.67
LL_07	FM	Drop-down camera	382289.85	6184565.67
LL_08	MB	Drop-down camera	373002.41	6190730.33
LL_09	MB, HM	Drop-down camera	371962.32	6193514.79
LL_10	BM	Drop-down camera	371917.45	6194543.91
LL_11	New location	Drop-down camera/grab?	371050.89	6194989.86
LL_12	MB, HM	Drop-down camera	371456.44	6199456.29
LL_13	MB, HM	Drop-down camera	371264.69	6200273.43
LL_14	MB	Drop-down camera	370032.85	6202485.15
LL_15	MB, HM	Drop-down camera	370103.56	6203349.81
LL_16	IM	Drop-down camera	368300.26	6204759.54
LL_17	MB, HM	Drop-down camera	368784.12	6204486.63
LL_18	BM, IM	Drop-down camera	367461.9	6208106.83
LL_19	HM	Drop-down camera	370276	6196739.76
LL_20	MB, HM	Drop-down camera	369919.6	6196494.65
LL_21	MB, HM	Drop-down camera	369700.22	6195071.73
LL_22	MB, HM	Drop-down camera	368636.35	6196736.02
LL_23	BM	Drop-down camera	367206.98	6197405.14
LL_24	MB, HM, BM	Drop-down camera	366287.94	6198731.64
LL_25	MB, HM	Drop-down camera	364866.83	6200210.69
LL_26	MB, HM	Drop-down camera	364030.64	6199958.71
LL_27	MB, HM	Drop-down camera	364059.58	6200718.94
LL_28	New location	Drop-down camera/grab?	378917.21	6193529.75
LL_29	New location	Drop-down camera/grab?	377639.62	6195008.11
LL_30	New location	Drop-down camera/grab?	378771.2	6196413.46
LL_31	New location	Drop-down camera/grab?	381490.65	6199187.67
LL_32	IM	Drop-down camera	381654.91	6201852.36
LL_33	New location	Drop-down camera/grab?	383899.82	6203604.49
LL_34	BM, OQ, HM	Drop-down camera	386181.24	6205009.84
LL_35	IM, BM, OQ, HM	Drop-down camera	387276.32	6204261.54
LL_36	IM, BM, OQ, HM	Drop-down camera	387988.12	6204918.58
LL_37	IM, BM, OQ, HM	Drop-down camera	388353.15	6204152.03
LL_38	New location	Drop-down camera/grab?	390598.06	6205977.16
LL_39	HM	Drop-down camera	389338.72	6208112.57
LL_40	OQ, HM	Drop-down camera	388428.04	6208820.57
LL_41	MB	Drop-down camera	388048.42	6210864.72
LL_42	BM	Drop-down camera	387452.85	6211256.07

Station	Target_(fauna)	Equipment	Easting_(m)	Northing_(m)
LL_43	MB	Drop-down camera	386362.63	6211280.27
LL_44	New location	Drop-down camera/grab?	385958.17	6213831.32
LL_45	BM, HM	Drop-down camera	385762.12	6215971.2
LL_46	BM	Drop-down camera	380956.94	6205522.93
LL_47	HM	Drop-down camera	381426.17	6205569.69
LL_48	New location	Drop-down camera/grab?	379038.89	6206547.01
LL_49	HM	Drop-down camera	382108	6207589.17
LL_50	HM	Drop-down camera	383547.79	6208889.86
LL_51	New location	Drop-down camera/grab?	382453.91	6210943.55
LL_52	MB, HM, OQ	Drop-down camera	381369.12	6213647.46
LL_53	MB	Drop-down camera	382803.91	6216056.78
LL_54	MB	Drop-down camera	382672.79	6218895.56
LL_55	BM	Drop-down camera	383392.93	6218875.94
LL_56	BM, IM	Drop-down camera	382198.63	6219878.5
LL_57	BM	Drop-down camera	381720.07	6221923.22
LL_58	MB, BM	Drop-down camera	381988.32	6224034.69
LL_59	New location	Drop-down camera/grab?	382023.99	6225114.69
LL_60	BM	Drop-down camera	381859.2	6226042.54
LL_61	IM, BM	Drop-down camera	384461.26	6218291.6
LL_62	MB	Drop-down camera	383954.95	6208713.28
LL_63	New location	Drop-down camera/grab?	385033.43	6220036.77
LL_64	BM	Drop-down camera	386465.98	6221390.15
LL_65	HM	Drop-down camera	387127.71	6222639.58
LL_66	New location	Drop-down camera/grab?	387523.73	6224465.76
LL_67	Maerl	Drop-down camera	388257.64	6226075.45
LL_68	BM	Drop-down camera	389449.66	6227992.43
LL_69	BM, MB	Drop-down camera	389708.85	6228736.15
LL_70	BM	Drop-down camera	391484.28	6229721.76
LL_71	New location	Drop-down camera	378162.25	6177005.57
LL_72	New location	Drop-down camera	381089.29	6183081.79
CS_01	MB	Drop-down camera	353930.29	6182156.22
CS_02	SB	Drop-down camera	352536.63	6181996.22
CS_03	New location	Drop-down camera/grab?	353831.82	6180143.69
CS_04	New location	Drop-down camera/grab?	356802.14	6178114.97
CS_05	New location	Drop-down camera/grab?	355355.50	6176334.48
CS_06	New location	Drop-down camera/grab?	353386.70	6175213.13
CS_07	New location	Drop-down camera/grab?	349817.18	6175855.12
CS_08	New location	Drop-down camera/grab?	347814.14	6178234.80
CS_09	MB	Drop-down camera	345462.51	6173135.91
CS_10	New location	Drop-down camera/grab?	350499.89	6172248.71
CS_11	New location	Drop-down camera/grab?	345152.25	6169912.54
CS_12	New location	Drop-down camera/grab?	344641.21	6168087.40
CS_13	SB	Drop-down camera	349373.43	6168442.35
CS_14	New location	Drop-down camera/grab?	347926.45	6167156.58
CS_15	New location	Drop-down camera/grab?	347105.14	6165952.00
CS_16	SB	Drop-down camera	344038.92	6161608.18
CS_17	New location	Drop-down camera/grab?	346010.06	6159454.52
CS_18	New location	Drop-down camera/grab?	348839.02	6160896.38
CS_19	New location	Drop-down camera/grab?	351083.93	6156497.81
CS_20	New location	Drop-down camera/grab?	343600.89	6156479.56
CS_21	New location	Drop-down camera/grab?	342067.78	6152573.77

Station	Target_(fauna)	Equipment	Easting_(m)	Northing_(m)
CS_22	New location	Drop-down camera/grab?	343965.92	6153358.58
CS_23	New location	Drop-down camera/grab?	340917.94	6149434.54
CS_24	New location	Drop-down camera/grab?	344203.18	6149580.56
CS_25	New location	Drop-down camera/grab?	347908.20	6149653.56
CS_26	New location	Drop-down camera/grab?	352361.53	6151898.47
CS_27	HM	Drop-down camera	338677.77	6144444.87
CS_28	OQ	Drop-down camera	340181.98	6145014.37
CS_29	OQ	Drop-down camera	345019.24	6144935.71
CS_30	New location	Drop-down camera/grab?	349240.55	6146058.05
CS_31	New location	Drop-down camera/grab?	353785.13	6146915.86
CS_32	New location	Drop-down camera/grab?	355646.77	6143886.14
CS_33	New location	Drop-down camera/grab?	361523.69	6143758.38
CS_34	SB	Drop-down camera	364616.15	6145895.92
CS_35	SB	Drop-down camera	368464.70	6149136.58
CS_36	SB	Drop-down camera	367927.14	6151192.52
CS_37	IM	Drop-down camera	387743.42	6150641.28
CS_38	IM	Drop-down camera	390533.72	6150570.85
CS_39	AIM	Drop-down camera	392672.64	6160466.21
CS_40	IM, OQ	Drop-down camera/grab?	387215.56	6162867.37
CS_41	IM	Drop-down camera	389781.39	6164620.51
CS_42	IM	Drop-down camera	388898.64	6165013.96
CS_43	New location	Drop-down camera/grab?	383078.51	6170314.06
CS_44	MB	Drop-down camera	381756.28	6173059.95
CS_45	New location	Drop-down camera/grab?	377785.63	6170879.86
CS_46	New location	Drop-down camera/grab?	375449.46	6169237.24
CS_47	New location	Drop-down camera/grab?	367637.89	6167339.10
CS_48	HM	Drop-down camera	365979.40	6164733.68
CS_49	New location	Drop-down camera	353484.90	6182207.19
CS_50	New location	Drop-down camera	347128.45	6166123.70

ANNEX B: SUMMARY OF VIDEO AND STILL PHOTOGRAPHY DATA FROM EACH SURVEY AREA

Table B1. Summary of video and still photography data collected in the Loch Long survey area during the 2010 Clyde Sea PMF surveys.

Location	Depth range (m)	Video duration (miniDV) recorded (hh:mm:ss)	Number of still photographs
LL01	62	00:00:47	2
LL02	20-28	00:25:43	20
LL03	18-28	00:09:13	23
LL04	10-32	00:19:18	29
LL05	22-34	00:13:12	14
LL06	30-40	00:07:44	14
LL07	45	00:07:18	12
LL08	2	00:11:52	11
LL11	56	00:26:36	7
LL12	15-36	00:19:57	26
LL13	12-68	00:25:45	28
LL14	63	00:22:48	29
LL15	7-51	00:15:09	20
LL16	47-50	00:17:52	19
LL17	6-12	00:08:40	13
LL18	17-23	00:13:11	16
LL20	8-28	00:12:24	17
LL21	2-6	00:49:42	30
LL22	7-30	00:21:49	23
LL23	36-37	00:14:07	14
LL24	24-27	00:12:56	13
LL25	3-24	00:17:16	19
LL26	2-6	00:11:08	13
LL27	6-12	00:11:01	11
LL28	33-35	00:15:18	27
LL29	11-12	00:05:13	12
LL30	43-44	00:06:06	8
LL31	22-23	00:09:44	18
LL32	57-70	00:12:09	25
LL33	40-41	00:09:25	11
LL34	31-32	00:17:20	24
LL36	12-16	00:17:45	27
LL39	17-19	00:06:43	9
LL40	14-15	00:07:51	12
LL41	2-7	00:09:18	16
LL42	24-29	00:26:22	25
LL43	2-25	00:13:12	18
LL44	37-38	00:21:35	21
LL45	14-16	00:21:07	25
LL46	26-27	00:10:39	15
LL47	4-15	00:04:38	11
LL48	22-23	00:06:52	14
LL49	35-53	00:11:08	14
LL50	34-35	00:07:22	6
LL51	63-64	00:09:58	10
LL52	2-27	00:23:33	29

Table B1 (cont.). Summary of video and still photography data collected in the Loch Long survey area during the 2010 Clyde Sea PMF surveys.

Location	Depth range (m)	Video duration (miniDV) recorded (hh:mm:ss)	Number of still photographs
LL53	31-42	00:16:16	24
LL54	16-20	00:15:38	19
LL55	28-39	00:23:55	25
LL56	40-43	00:21:56	25
LL57	20	00:10:59	14
LL58	11-28	00:15:15	22
LL59	17-70	00:29:16	24
LL60	9-10	00:10:42	12
LL61	55-62	00:10:38	13
LL62	12-47	00:17:54	45
LL63	50-51	00:10:00	8
LL64	46-47	00:13:08	19
LL65	10-16	00:05:35	11
LL66	56	00:11:11	19
LL67	24-34	00:10:13	12
LL68	23-35	00:07:45	10
LL69	13-22	00:07:55	14
LL70	16-18	00:09:35	16
LL71	29-30	00:06:06	8
LL72	27-28	00:04:28	3
Total		15:27:11	1143

Table B2. Summary of video and still photography data collected in the Clyde Sea survey area during the 2010 Clyde Sea PMF surveys.

Location	Depth range (m)	Video duration (miniDV) recorded (hh:mm:ss)	Number of still photographs
CS01	3-6	00:29:32	54
CS02	5-7	00:07:04	10
CS03	44-45	00:13:08	12
CS04	50-52	00:07:57	10
CS05	16-21	00:10:46	18
CS06	42-50	00:12:18	14
CS10	45-54	00:09:36	12
CS13	22-25	00:10:39	12
CS14	38-47	00:08:04	12
CS15	43-53	00:19:23	23
CS43	8-9	00:15:33	15
CS44	3-4	00:05:19	9
CS45	71	00:14:57	13
CS46	47-75	00:20:03	18
CS47	56-64	00:14:47	14
CS48	3-6	00:13:20	14
CS49	3	00:05:17	6
CS50	43-53	00:18:37	32
Total		03:56:20	298

Table B3. Summary of video and still photography data collected in the Loch Fyne survey area during the 2010 Clyde Sea PMF surveys.

Location	Depth range (m)	Video duration (miniDV) recorded (hh:mm:ss)	Number of still photographs
LF01	2-3	00:08:46	10
LF02	4-48	00:37:12	30
LF03	8-35	00:47:54	69
LF04	47-52	00:41:37	49
LF05	9-33	00:46:22	56
LF06	2-25	00:22:48	17
LF07	4-50	00:42:45	62
LF08	76-92	01:01:01	52
LF10	12-27	00:27:00	35
LF11	17-23	00:35:33	51
LF12	4-32	00:39:59	42
LF13	55-57	00:06:31	7
LF14	8-41	00:09:47	13
LF15	12-14	00:19:38	17
LF16	4-15	01:06:07	87
LF17	6-8	00:30:16	34
LF19	69-76	00:11:23	11
LF21	44-51	00:19:40	22
LF23	14-32	00:31:18	59
LF25	7-22	00:10:29	19
LF26	42-58	00:36:28	45
LF27	14-39	00:44:01	19
LF29	66-81	00:14:36	14
LF30	25-28	00:13:17	20
LF31	24-27	00:09:16	10
LF32	25-39	00:14:17	20
LF33	38-47	00:13:12	17
LF34	34-39	00:13:37	13
LF35	?	00:12:38	None
LF36	15-21	00:27:59	28
LF37	49-51	00:16:42	15
LF39	18-23	00:15:15	15
LF40	51-53	00:13:10	11
LF41	4-21	00:35:16	69
LF44	19-27	00:09:24	15
LF45	27	00:07:45	12
LF46	3-23	00:14:40	19
LF47	8-14	00:34:42	47
LF48	89-99	00:26:27	28
LF49	2-17	00:14:15	21
LF50	14-18	00:11:06	10
LF51	32-60	00:28:08	30
LF52	4-11	00:09:22	11
LF54	8-20	00:13:00	15
Total		17:44:39	1246

ANNEX C: DROP-DOWN VIDEO FIELD LOGS

Positions are UTM North Zone 30 (6W - 0) east and north (m) and WGS84 Latitude and Longitude (dd mm.mmmm)

Client	SNH				Job Number	J/10/219							
Location	Clyde Sea Area				Vessel	SV Otarie							
Survey	Mapping Priority Marine Features within the Clyde Sea Area				Date	August 2010							
Date	Location	SOL Time (GMT)	EOL Time (GMT)	Number of Photos	Start Of Line (SOL) Position				End Of Line (EOL) Position				Depth (m)
					East (m)	North (m)	Latitude (N) dd mm.mmmm	Longitude (W) dd mm.mmmm	East (m)	North (m)	Latitude (N) dd mm.mmmm	Longitude (W) dd mm.mmmm	
04/08/2010	LL_03 219_001#1	11:23:54	12:31:41	2	380518.87	6179855.42	55 44.977720	4 54.215982	380581.02	6179822.67	55 44.961018	4 54.155214	27
04/08/2010	LL_03 219_001#2	11:40:00	11:54:54	15	380481.53	6179855.09	55 44.977013	4 54.251108	380637.07	6179855.58	55 44.979579	4 54.102532	18-28
04/08/2010	LL_03 219_001#3	12:13:48	13:19:44	6	380560.39	6179846.65	55 44.973769	4 54.175482	380631.34	6179803.25	55 44.951298	4 54.106633	26-28
04/08/2010	LL_71 219_002#1	12:29:40	13:38:12	8	378162.25	6177005.57	55 43.408276	4 56.389177	378220.37	6176911.73	55 43.357301	4 56.332573	29-30
04/08/2010	LL_04 219_003#1	14:11:50	14:37:34	29	380957.25	6180840.71	55 45.514937	4 53.822629	381117.02	6180739.51	55 45.462945	4 53.667104	10-32
04/08/2010	LL_05 219_004#1	15:04:39	15:20:25	14	381115.75	6184277.74	55 47.371156	4 53.755802	381210.05	6184193.14	55 47.325207	4 53.668462	22-34
04/08/2010	LL_06 219_005#1	15:31:09	15:38:05	6	381199.49	6184653.32	55 47.573402	4 53.691443	381351.37	6184599.42	55 47.546201	4 53.543934	34-40
04/08/2010	LL_06 219_005#2	15:45:16	15:51:48	8	381091.79	6184736.39	55 47.615813	4 53.796280	381331.65	6184671.24	55 47.584609	4 53.564672	30-36
04/08/2010	LL_72 219_006#1	16:16:20	16:18:12	3	381089.29	6183081.79	55 46.724607	4 53.751457	381119.97	6183086.26	55 46.727469	4 53.725639	27-28
05/08/2010	LL_07 219_007#1	10:53:27	11:03:20	12	382271.14	6184580.36	55 47.549144	4 52.663178	382381.49	6184512.07	55 47.514235	4 02.556467	45
05/08/2010	LL_28 219_008#1	11:55:36	12:15:02	27	378888.11	6193560.08	55 52.337214	4 56.138868	379071.79	6193390.50	55 52.248997	4 55.958792	33-35
05/08/2010	LL_29 219_009#1	12:35:38	12:42:31	12	377643.48	6194981.19	55 53.084635	4 57.370069	377731.38	6195062.07	55 53.129343	4 57.288543	11-12
05/08/2010	LL_30 219_010#1	13:30:15	13:38:23	8	378779.74	6196436.60	55 53.886227	4 56.320915	378915.91	6196354.39	55 53.843590	4 56.187674	43-44
05/08/2010	LL_31 219_011#1	14:07:09	14:18:09	18	381446.67	6199207.03	55 55.419995	4 53.835862	381595.38	6199147.14	55 55.388322	4 53.691533	22-23
05/08/2010	LL_32 219_012#1	14:42:34	14:58:14	25	381680.10	6201796.76	55 56.822046	4 53.664802	381908.36	6201754.42	55 56.797763	4 53.459625	57-70
05/08/2010	LL_46 219_013#1	15:42:52	15:54:48	15	380952.59	6205561.96	55 58.835672	4 54.479191	381237.49	6205501.25	55 58.806649	4 54.202858	26-27
05/08/2010	LL_48 219_014#1	16:13:06	16:21:24	14	378983.96	6206616.68	55 59.373745	4 56.399872	379145.88	6206578.20	55 59.355584	4 56.241901	22-23
05/08/2010	LL_47 219_015#1	16:39:49	16:45:45	11	381336.85	6205570.76	55 58.845424	4 54.110559	381477.95	6205563.94	55 58.843991	4 53.973429	4-15

Date	Location	SOL Time (GMT)	EOL Time (GMT)	Number of Photos	Start Of Line (SOL) Position				End Of Line (EOL) Position				Depth (m)
					East (m)	North (m)	Latitude (N) dd mm.mmmmm	Longitude (W) dd mm.mmmmm	East (m)	North (m)	Latitude (N) dd mm.mmmmm	Longitude (W) dd mm.mmmmm	
13/08/2010	LL_61 219_023#1	08:45:14	09:04:55	13	384426.76	6218348.74	56 05.775334	4 51.470603	384590.68	6218277.87	56 05.739900	4 51.310199	55-62
13/08/2010	LL_62 219_024#1	09:24:58	09:36:10	18	384222.67	6218706.09	56 05.965290	4 51.676064	384284.16	6218590.00	56 05.903629	4 51.613765	23-47
13/08/2010	LL_62 219_024#2	09:45:23	10:04:01	27	384251.52	6218766.96	56 05.998888	4 51.649367	384244.58	6218644.79	56 05.932577	4 51.653346	12-30
13/08/2010	LL_63 219_025#1	10:27:24	10:40:10	8	385047.43	6220041.60	56 06.697008	4 50.915437	384982.99	6219915.11	56 06.627729	4 50.974347	50-51
13/08/2010	LL_64 219_026#1	10:58:58	11:15:20	19	386503.63	6221431.73	56 07.467013	4 49.546638	386434.75	6221326.24	56 07.408899	4 49.610451	46-47
13/08/2010	LL_65 219_027#1	11:34:11	11:40:10	11	387112.46	6222627.61	56 08.119884	4 48.990375	387087.59	6222529.78	56 08.066672	4 49.011281	10-16
13/08/2010	LL_66 219_028#1	12:21:40	12:36:46	19	387526.32	6224566.50	56 09.171762	4 48.641019	387488.28	6224381.84	56 09.070265	4 48.671581	56
13/08/2010	LL_67 219_029#1	12:57:24	13:09:21	12	388294.61	6226128.76	56 10.023737	4 47.936686	388184.45	6225938.74	56 09.918969	4 48.038790	24-34
13/08/2010	LL_68 219_030#1	13:29:14	13:38:22	10	389482.80	6228015.63	56 11.056352	4 46.836214	389401.77	6227934.87	56 11.011560	4 46.913050	23-35
13/08/2010	LL_69 219_031#1	13:51:54	14:00:51	14	389801.81	6228813.16	56 11.490500	4 46.547854	389728.94	6228728.19	56 11.443568	4 46.616710	13-22
13/08/2010	LL_70 219_032#1	14:21:47	14:32:28	16	391496.49	6229723.07	56 12.005323	4 44.932203	391407.29	6229622.88	56 11.948785	4 45.016793	16-18
14/08/2010	LL_33 219_034#1	07:55:24	08:09:02	11	383890.25	6203716.33	55 57.883321	4 51.604377	383725.43	6203674.38	55 57.858843	4 51.764554	40-41
14/08/2010	LL_34 219_035#1	08:30:40	08:49:29	24	386233.61	6205035.97	55 58.628412	4 49.388673	386143.70	6205028.79	55 58.623386	4 49.475773	31-32
14/08/2010	LL_36 219_036#1	09:23:45	09:43:05	27	388024.50	6204887.70	55 58.573593	4 47.664711	388133.22	6205059.52	55 58.668002	4 47.564627	12-16
14/08/2010	LL_39 219_037#1	10:18:09	10:26:14	9	389381.86	6208096.74	56 0.320934	4 46.439147	389290.01	6208182.67	56 00.366962	4 46.530054	17-19
14/08/2010	LL_40 219_038#1	10:45:48	10:53:49	12	388450.79	6208784.12	56 00.678881	4 47.350998	388327.42	6208882.78	56 00.730815	4 47.473252	14-15
14/08/2010	LL_41 219_039#1	11:16:17	11:26:33	16	388061.39	6210820.04	56 01.771365	4 47.777818	388099.34	6210738.09	56 01.727322	4 47.739027	2-7
15/08/2010	CS_44 219_040#1	08:46:19	08:55:09	9	381601.37	6173069.18	55 41.336973	4 53.005094	381593.41	6173025.85	55 41.313605	4 53.011598	3-4
15/08/2010	CS_43 219_041#1	09:19:22	09:35:14	15	383082.79	6170310.12	55 39.872032	4 51.521970	383142.41	6170320.58	55 39.878417	4 51.464929	8-9
15/08/2010	CS_45 219_042#1	10:07:22	10:28:37	13	377778.79	6170812.56	55 40.065126	4 56.592262	377924.75	6170726.89	55 40.020364	4 56.449512	71
15/08/2010	CS_46 219_043#1	10:53:56	11:17:30	18	375385.74	6169255.07	55 39.188652	4 58.827728	375492.78	6169291.70	55 39.210043	4 58.728839	47-75
15/08/2010	CS_47 219_044#1	12:06:48	12:29:01	14	367580.47	6167281.05	55 38.000689	5 06.208772	367611.24	6167345.36	55 38.036455	5 06.182863	56-64

Date	Location	SOL Time (GMT)	EOL Time (GMT)	Number of Photos	Start Of Line (SOL) Position				End Of Line (EOL) Position				Depth (m)
					East (m)	North (m)	Latitude (N) dd mm.mmmm	Longitude (W) dd mm.mmmm	East (m)	North (m)	Latitude (N) dd mm.mmmm	Longitude (W) dd mm.mmmm	
15/08/2010	CS_48 219_045#1	12:55:55	13:09:24	14	366042.41	6164711.28	55 36.591566	5 07.599546	366088.20	6164716.27	55 36.594995	5 07.556679	3-6
16/08/2010	CS_01 219_046#1	09:35:10	09:50:50	20	353977.83	6182102.91	55 45.752153	5 19.637688	354160.66	6182043.32	55 45.723169	5 19.460967	3-6
16/08/2010	CS_01 219_046#2	09:59:41	10:04:32	8	354044.50	6182037.67	55 45.716734	5 19.572461	354046.01	6182124.10	55 45.764610	5 19.573093	3-5
16/08/2010	CS_01 219_046#3	10:15:10	10:24:43	26	354104.03	6182039.77	55 45.719242	5 19.516036	354162.25	6182181.60	55 45.797686	5 19.463881	3-6
16/08/2010	CS_49 219_047#1	10:40:58	10:46:44	6	353484.90	6182207.19	55 45.799178	5 20.112039	353537.58	6182223.15	55 45.808752	5 20.062032	3
16/08/2010	CS_02 219_048#1	10:59:37	11:08:47	10	352532.67	6182000.82	55 45.670883	5 21.015818	352507.67	6181894.44	55 45.612925	5 21.035351	5-7
16/08/2010	CS_03 219_049#1	11:27:12	11:40:38	12	353842.72	6180133.08	55 44.688129	5 19.703459	353904.11	6180246.61	55 44.750688	5 19.648398	44-45
16/08/2010	CS_04 219_050#1	12:22:16	12:30:43	10	356776.21	6178144.86	55 43.669642	5 16.840434	356899.34	6178187.63	55 43.695179	5 16.723254	50-52
16/08/2010	CS_05 219_051#1	12:49:13	13:01:07	18	355354.61	6176315.25	55 42.659137	5 18.139511	355485.44	6176336.27	55 42.672707	5 18.014270	16-21
16/08/2010	CS_06 219_052#1	13:26:30	13:39:11	14	353396.75	6175222.79	55 42.035172	5 19.971786	353519.91	6175286.22	55 42.071693	5 19.855966	42-50
16/08/2010	CS_10 219_053#1	14:06:59	14:16:49	12	350546.33	6172310.02	55 40.413150	5 22.595757	350598.73	6172487.18	55 40.510521	5 22.550882	45-54
16/08/2010	CS_13 219_054#1	14:51:48	15:02:37	12	349368.13	6168444.00	55 38.310409	5 23.590563	349351.37	6168314.80	55 38.239925	5 23.602635	22-25
16/08/2010	CS_14 219_055#1	15:23:03	15:31:25	12	347912.56	6167163.69	55 37.591308	5 24.934591	347914.98	6167293.06	55 37.662742	5 24.936604	38-47
16/08/2010	CS_15 219_056#1	15:52:53	16:05:55	23	347107.43	6165980.20	55 36.939383	5 25.661332	347050.02	6166205.57	55 37.060702	5 25.723838	43-53
16/08/2010	CS_50 219_057#1	16:25:39	16:45:00	32	347128.45	6166123.70	55 37.019348	5 25.644053	347146.48	6166351.84	55 37.141308	5 25.636898	43-53
17/08/2010	LF_25 219_058#1	08:29:09	08:41:28	19	349602.95	6196489.07	55 53.421055	5 24.295175	349876.85	6196344.24	55 53.347653	5 24.027280	7-22
17/08/2010	LF_16 219_059#1	10:36:51	11:06:40	38	352520.15	6210288.10	56 00.907357	5 21.952486	352620.46	6210157.88	56 0.839100	5 21.850531	6-15
17/08/2010	LF_16 219_059#2	11:16:59	11:39:42	30	352419.94	6210166.28	56 00.839910	5 22.044081	352603.96	6210196.28	56 0.859479	5 21.867661	4-13
17/08/2010	LF_16 219_059#3	11:48:37	12:04:44	19	352351.21	6210045.51	56 00.772851	5 22.101145	352490.27	6210034.58	56 0.770284	5 21.971654	6-12
17/08/2010	LF_44 219_060#1	12:27:20	12:37:06	15	353778.86	6209865.48	56 00.703347	5 20.728462	353923.51	6209779.91	56 00.659430	5 20.585220	19-27
17/08/2010	LF_15 219_061#1	13:32:43	13:40:15	7	355280.04	6214484.03	56 03.218390	5 19.435235	355414.33	6214446.03	56 03.199947	5 19.302635	14
17/08/2010	LF_15 219_061#2	13:47:07	13:53:56	10	355284.98	6214668.73	56 03.318448	5 19.437025	355477.11	6214616.91	56 03.293129	5 19.247734	12

Date	Location	SOL Time (GMT)	EOL Time (GMT)	Number of Photos	Start Of Line (SOL) Position				End Of Line (EOL) Position				Depth (m)
					East (m)	North (m)	Latitude (N) dd mm.mmmm	Longitude (W) dd mm.mmmm	East (m)	North (m)	Latitude (N) dd mm.mmmm	Longitude (W) dd mm.mmmm	
17/08/2010	LF_12 219_062#1	14:26:27	14:44:55	23	358764.42	6218683.33	56 05.542503	5 16.213449	359156.65	6218697.34	56 05.556921	5 15.834505	8-32
17/08/2010	LF_12 219_062#2	14:52:39	15:05:45	10	358797.77	6218824.20	56 05.617991	5 16.183908	358980.06	6218833.00	56 05.626873	5 16.008959	4-20
17/08/2010	LF_12 219_062#3	15:11:46	15:21:56	9	358874.59	6218603.07	56 05.501612	5 16.106103	359057.33	6218593.48	56 05.499219	5 15.926923	28-32
17/08/2010	LF_13 219_063#1	15:44:22	15:53:56	7	358597.33	6216721.08	56 04.480286	5 16.312737	358798.69	6216798.99	56 04.528009	5 16.119293	55-57
17/08/2010	LF_14 219_064#1	16:27:19	16:39:23	13	356480.16	6212010.99	56 01.907859	5 18.198122	356636.69	6211913.87	56 01.858031	5 18.044785	8-41
18/08/2010	LF_26 219_065#1	07:32:52	07:49:00	18	354325.36	6193461.56	55 51.876852	5 19.671252	354403.34	6193445.51	55 51.869565	5 19.595230	45-56
18/08/2010	LF_26 219_065#2	08:02:42	08:13:05	16	354284.47	6193532.57	55 51.914255	5 19.712655	354283.46	6193546.02	55 51.921534	5 19.713302	42
18/08/2010	LF_26 219_065#3	08:24:12	08:35:06	11	354328.51	6193354.76	55 51.818837	5 19.663888	354436.76	6193399.20	55 51.845225	5 19.561725	58
18/08/2010	LF_23 219_067#1	09:16:58	09:40:13	41	352736.46	6199074.73	55 54.871509	5 21.373766	352702.19	6199263.89	55 54.972643	5 21.414646	14-21
18/08/2010	LF_23 219_067#2	09:52:22	10:10:15	18	352854.29	6199096.97	55 54.884907	5 21.263962	352910.03	6199205.41	55 54.944957	5 21.213387	29-32
18/08/2010	LF_21 219_068#1	10:35:22	10:46:48	11	352697.05	6202724.24	55 56.835818	5 21.533590	352706.32	6202856.50	55 56.907864	5 21.528266	44-46
18/08/2010	LF_21 219_068#2	10:53:44	11:05:00	11	352561.21	6202730.90	55 56.836630	5 21.656104	352529.18	6202869.49	55 56.911602	5 21.698735	49-51
18/08/2010	LF_19 219_069#1	11:19:18	11:34:19	11	352327.95	6204935.91	55 58.018531	5 21.958795	352275.84	6205092.14	55 58.104145	5 22.015004	69-76
18/08/2010	LF_45 219_070#1	11:50:39	11:58:45	12	353215.28	6204901.91	55 58.017509	5 21.106346	353214.89	6205015.06	55 58.079897	5 21.110584	27
18/08/2010	LF_46 219_071#1	12:53:33	13:02:24	9	353332.64	6208839.93	56 00.141211	5 21.123872	353415.23	6209053.78	56 00.259001	5 21.050166	4-23
18/08/2010	LF_46 219_071#2	13:08:51	13:17:00	10	353427.24	6208814.18	56 00.129414	5 21.032970	353493.90	6209002.02	56 00.232563	5 20.972846	3-14
18/08/2010	LF_47 219_072#1	13:34:37	13:52:47	26	351233.24	6208544.02	55 59.945418	5 23.131951	351378.38	6208687.44	56 00.024078	5 22.996065	13-14
18/08/2010	LF_47 219_072#2	14:01:53	14:19:15	21	351250.08	6208712.37	56 00.034563	5 23.120056	351494.46	6208867.20	56 00.123059	5 22.890445	8-11
18/08/2010	LF_17 219_073#1	14:48:54	15:02:37	17	347883.19	6210613.65	56 00.995983	5 26.422131	347974.36	6210679.27	56 01.032905	5 26.335547	6-7
18/08/2010	LF_17 219_073#2	15:08:49	15:26:00	17	348033.21	6210532.79	56 00.954665	5 26.275130	348165.96	6210499.28	56 00.939604	5 26.145201	8
19/08/2010	LF_11 219_074#1	09:02:22	09:22:54	29	360393.64	6219681.84	56 06.108750	5 14.673880	360536.69	6219816.22	56 06.183905	5 14.539736	17-23
19/08/2010	LF_11 210_074#2	09:29:58	09:45:54	22	360331.72	6219762.69	56 06.151574	5 14.735143	360509.87	6219859.20	56 06.206588	5 14.566934	3-16

Date	Location	SOL Time (GMT)	EOL Time (GMT)	Number of Photos	Start Of Line (SOL) Position				End Of Line (EOL) Position				Depth (m)
					East (m)	North (m)	Latitude (N) dd mm.mmmm	Longitude (W) dd mm.mmmm	East (m)	North (m)	Latitude (N) dd mm.mmmm	Longitude (W) dd mm.mmmm	
19/08/2010	LF_10 219_075#1	10:04:50	10:15:32	14	361385.64	6220350.61	56 06.486495	5 13.739078	361535.95	6220376.60	56 06.503203	5 13.594008	12-23
19/08/2010	LF_10 210_075#2	10:29:21	10:46:33	21	361392.18	6220422.76	56 06.525580	5 13.734814	361543.95	6220436.01	56 06.535345	5 13.588145	19-27
19/08/2010	LF_08 219_076#1	11:18:32	11:40:45	23	365169.09	6224247.74	56 08.650498	5 10.209281	365346.58	6224352.56	56 08.710392	5 10.040850	76-86
19/08/2010	LF_08 219_076#2	11:53:57	12:06:53	11	365091.28	6224395.16	56 08.728410	5 10.288794	365186.09	6224474.83	56 08.773540	5 10.199430	81-86
19/08/2010	LF_08 219_076#3	12:31:05	12:57:38	21	365142.89	6224322.26	56 08.690419	5 10.236800	365301.56	6224466.70	56 08.771117	5 10.087755	79-92
19/08/2010	LF_49 219_077#1	13:38:13	13:46:28	10	362071.19	6223395.26	56 08.138000	5 13.172185	362186.05	6223502.39	56 08.198286	5 13.064187	2-5
19/08/2010	LF_49 219_077#2	13:51:54	13:58:37	11	362180.89	6223355.03	56 08.118105	5 13.064900	362213.57	6223486.07	56 08.189971	5 13.037131	5-17
25/08/2010	LF_48 219_078#1	08:45:40	09:04:50	15	366677.78	6224571.99	56 08.851436	5 08.763540	366628.66	6224512.72	56 08.818275	5 08.808483	96-99
30/08/2010	LL_56 219_102#1	10:41:00	11:03:18	25	382282.82	6219836.35	56 06.545412	4 53.575826	382195.08	6220030.21	56 06.648989	4 53.665677	40-43
30/08/2010	LL_58 219_103#1	11:26:15	11:41:48	22	382008.67	6224000.40	56 08.785143	4 53.950392	381984.45	6224137.15	56 08.858645	4 53.977838	11-28
30/08/2010	LL_60 219_104#1	11:57:06	12:08:00	12	381882.91	6225990.48	56 09.854983	4 54.124965	381891.13	6226140.98	56 09.936895	4 54.121254	9-10
31/08/2010	LL_52 219_113#2	14:09:19	14:18:53	14	381415.59	6213580.98	56 03.162294	4 54.245607	381377.61	6213702.91	56 03.227762	4 54.285556	4-27
31/08/2010	LL_51 219_114#1	14:46:03	14:56:47	10	382441.82	6211018.55	56 01.796279	4 53.190072	382411.86	6211226.51	56 01.908784	4 53.224567	63-64
31/08/2010	LL_50 219_115#1	15:23:48	15:31:33	6	383482.96	6208880.73	56 00.659554	4 52.133130	383461.48	6209074.60	56 00.764703	4 52.158460	34-35
31/08/2010	LL_49 219_116#1	15:52:00	16:03:35	14	382122.39	6207537.30	55 59.915649	4 53.407388	382209.86	6207716.06	56 00.014370	4 53.326579	35-53
01/09/2010	LL_21 219_121#1	13:50:09	13:57:08	none	369776.62	6195006.46	55 52.974039	5 04.912307	369730.23	6195032.16	55 52.987431	5 04.957414	3
01/09/2010	LL_21 219_121#2	14:08:00	14:09:40	3	369629.50	6195055.46	55 52.998479	5 05.053963	369615.04	6195063.84	55 53.002629	5 05.068740	4
01/09/2010	LL_21 219_121#3	14:46:35	15:07:20	2	369746.23	6195003.82	55 52.971946	5 04.941657	369545.82	6195063.15	55 53.001134	5 05.135068	3
01/09/2010	LL_11 219_122#1	15:25:18	15:51:38	7	371097.55	6194933.23	55 52.956157	5 03.643899	371146.74	6195113.36	55 53.054029	5 03.601979	56
02/09/2010	LL_20 219_123#1	09:00:52	09:13:54	17	370008.52	6196513.27	55 53.790306	5 04.732678	369881.04	6196291.29	55 53.668233	5 04.849167	8-28
02/09/2010	LL_13 219_124#1	09:42:07	10:08:10	28	371266.54	6200293.10	55 55.846687	5 03.634071	370976.53	6200268.38	55 55.828588	5 03.912695	12-68
02/09/2010	LL_15 219_125#1	10:31:10	10:46:29	20	370186.19	6203404.51	55 57.505359	5 04.761190	370007.89	6203318.32	55 57.456083	5 04.930442	7-51

Date	Location	SOL Time (GMT)	EOL Time (GMT)	Number of Photos	Start Of Line (SOL) Position				End Of Line (EOL) Position				Depth (m)
					East (m)	North (m)	Latitude (N) dd mm.mmmmm	Longitude (W) dd mm.mmmmm	East (m)	North (m)	Latitude (N) dd mm.mmmmm	Longitude (W) dd mm.mmmmm	
30/09/2010	LL22_219_134#1	08:36:09	08:50:01	13	368610.40	6196647.42	55 53.839400	5 06.077800	368483.48	6196753.74	55 53.894600	5 06.202600	18-30
30/09/2010	LL22_219_134#2	09:03:36	09:10:57	10	368722.62	6196719.37	55 53.880000	5 05.972300	368641.33	6196759.15	55 53.900100	5 06.051400	7-24
30/09/2010	LL23_219_135#1	09:26:16	09:40:19	14	367210.52	6197399.43	55 54.221500	5 07.442201	367013.63	6197541.17	55 54.294600	5 07.635200	36-37
30/09/2010	LL24_219_136#1	09:53:15	10:06:05	13	366283.67	6198706.00	55 54.910000	5 08.369800	366071.37	6198845.48	55 54.981600	5 08.577600	24-27
30/09/2010	LL25_219_137#1	10:22:48	10:30:11	8	364800.89	6200176.44	55 55.677300	5 09.836300	364646.45	6200342.96	55 55.764400	5 09.989500	16-24
30/09/2010	LL25_219_137#2	10:39:19	10:49:01	11	364895.50	6200139.33	55 55.658900	5 09.744400	364755.44	6200345.67	55 55.767700	5 09.885000	3-18
30/09/2010	LL26_219_138#1	11:17:39	11:28:41	13	363944.98	6200004.51	55 55.570200	5 10.652400	364051.62	6200038.46	55 55.590300	5 10.551100	2-6
30/09/2010	LL27_219_139#1	11:43:38	11:54:35	11	364036.36	6200629.42	55 55.908400	5 10.583600	363859.16	6200730.42	55 55.959800	5 10.756700	6-12
30/09/2010	LF50_219_140#1	12:44:30	12:55:37	10	362791.98	6202784.59	55 57.048200	5 11.843500	362775.89	6203032.18	55 57.181300	5 11.866500	14-18
30/09/2010	LF32_219_141#1	13:14:41	13:22:38	12	363026.23	6202138.40	55 56.704100	5 11.598900	362952.82	6202309.84	55 56.795200	5 11.674600	34-39
30/09/2010	LF32_219_141#2	13:33:42	13:39:45	8	363068.24	6202188.48	55 56.731800	5 11.560100	363005.16	6202304.83	55 56.793400	5 11.624200	25-32
30/09/2010	LF31_219_142#1	13:51:10	14:00:18	10	362864.18	6201952.53	55 56.601200	5 11.748800	362754.57	6202152.04	55 56.706800	5 11.860100	24-27
30/09/2010	LF33_219_143#1	14:16:26	14:23:25	8	363079.85	6201339.23	55 56.274500	5 11.523100	362982.91	6201518.28	55 56.369300	5 11.621600	38-45
30/09/2010	LF33_219_143#2	14:37:32	14:43:28	9	363113.03	6201242.02	55 56.222700	5 11.488300	363055.09	6201369.90	55 56.290600	5 11.547800	39-47
30/09/2010	LF34_219_144#1	15:12:24	15:25:58	13	362927.26	6200257.40	55 55.689100	5 11.636600	362985.12	6200474.79	55 55.807200	5 11.587700	34-39
02/09/2010	LL_16 219_126#1	11:04:24	11:22:39	19	368311.65	6204682.21	55 58.163014	5 06.598678	368185.15	6204792.77	55 58.220628	5 06.724152	47-50
02/09/2010	LL_18 219_127#1	11:51:00	12:04:30	16	367514.29	6208170.27	56 00.027063	5 07.470233	367327.55	6208100.60	55 59.988477	5 07.645838	17-23
02/09/2010	LL_17 219_128#1	12:36:56	12:45:48	13	368875.79	6204444.71	55 58.044066	5 06.050435	368763.70	6204572.53	55 58.111482	5 06.161930	6-12
02/09/2010	LL_14 219_129#1	13:06:51	13:32:54	29	370095.40	6202470.81	55 57.001184	5 04.822342	370296.87	6202434.68	55 56.984711	5 04.627418	63
02/09/2010	LL_12 219_130#1	13:58:58	14:10:57	15	371433.83	6199344.29	55 55.338046	5 03.446957	371428.57	6199347.37	55 55.339651	5 03.452573	15-23
02/09/2010	LL_12 219_130#2	14:16:59	14:25:47	11	371457.63	6199477.27	55 55.410023	5 03.427905	371375.72	6199462.86	55 55.401024	5 03.506581	22-36
02/09/2010	LL_21 219_121#4	14:55:30	15:00:49	6	369730.15	6195010.11	55 52.975703	5 04.957045	369696.69	6194989.06	55 52.963667	5 04.988319	2
02/09/2010	LL_21 219_121#5	15:04:34	15:20:27	19	369797.28	6195042.04	55 52.994140	5 04.893303	369741.38	6195109.23	55 53.029133	5 04.948951	3-6
02/09/2010	LL_08 219_131#1	15:54:35	16:06:38	11	373019.09	6190743.12	55 50.729486	5 01.684298	372937.99	6190741.82	55 50.727314	5 01.762048	2
03/09/2010	LL_01 219_132#1	07:37:40	07:38:34	2	376132.35	6176729.94	55 43.228454	4 58.320855	376131.29	6176707.31	55 43.215402	4 58.321343	62
03/09/2010	LL_02 219_133#1	08:02:00	08:27:59	20	377682.07	6178719.56	55 44.323549	4 56.895146	377831.65	6178607.14	55 44.264936	4 56.749108	20-28

ANNEX D: DESCRIPTIONS OF EACH DROP DOWN VIDEO TRANSECT

PMF Key

BM – Burrowed mud
MD – Maerl bed
FQ – *Funiculina quadrangularis*

HM – Horse mussel
SG – Seagrass
AI – *Arctica islandica*

LC – *Leptometra celtica*
KS – Kelp and seaweed communities
FS – Flame shells

Substrate Key

M – Mud
sM – sandy Mud
(g)M – Slightly gravelly mud
(g)sM – Slightly gravelly sandy mud
gM – Gravelly mud

S – Sand
mS – Muddy sand
(g)S – Slightly gravelly sand
(g)mS – Slightly gravelly muddy sand
gmS – Gravelly muddy sand
gS – Gravelly sand
G - gravel
mG - Muddy sand
msG - Muddy sandy gravel
sG – Sandy gravel

Table D.1 Loch Fyne

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF01 #1	219_083#1	(m) S gS Sh	Sand with <i>Fucus serratus</i> (O), <i>Carcinus maenas</i> (O) Gravelly sand with <i>Chorda filum</i> (O), <i>Fucus serratus</i> (S), <i>Serpula</i> sp (O), <i>Pagurus bernhardus</i> (O), <i>Carcinus maenas</i> (O)	SS.SSa.IFiSa SS.SMp.KSwSS.LsacR.Mu	KS
LF02 #1	219_082#1	gM G R	Gravelly mud with <i>Asterias rubens</i> (O), <i>Lumpenus lampraeformis</i> (O) Rock and gravel with <i>Chorda filum</i> (F), <i>Saccharina latissima</i> (S), <i>Liocarcinus depurator</i> (F), <i>Necora puber</i> (F), <i>Asterias rubens</i> (O)	SS.SMx.CMx IR.HIR.KSed.LsacChoR	
LF02 #2	219_082#2	M	Mud with <i>Virgularia mirabilis</i> (O), <i>Pachycerianthus multiplicatus</i> (F), <i>Nephrops norvegicus</i> (O), <i>Liocarcinus depurator</i> (F), <i>Necora puber</i> (F), <i>Pleuronectes platessa</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LF02 #3	219_082#3	M	Mud with <i>Virgularia mirabilis</i> (O), <i>Nephrops norvegicus</i> (F), <i>Paguridae</i> sp. (F), <i>Liocarcinus</i> sp. (O), <i>Liocarcinus depurator</i> (F), <i>Aequipecten operularis</i> (R), <i>Scyllorhinus canicula</i> (F),	SS.SMu.CFiMu.SpnMeg	BM

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF03 #1	219_086#1	G Sh	Gravel with <i>Ciona intestinalis</i> (R), <i>Lesueurigobius friesii</i> (O), <i>Serpula</i> sp. (R)	SS.SCS.CCS	
		g s M sh	Gravelly sandy mud with <i>Pachycerianthus multiplicatus</i> (C), <i>Protanthea simplex</i> (F), <i>Metridium senile</i> (F), <i>Pagurus bernhardus</i> (O), <i>Liocarcinus depurator</i> (O), <i>Asterias rubens</i> (F)	SS.SMx.CMx	
LF03 #2	219_086#2	M G	Mud and gravel with occasional boulders covered in mud veneer. <i>Virgularia mirabilis</i> (C), <i>Pachycerianthus multiplicatus</i> (C), <i>Protanthea simplex</i> (C), <i>Pagurus bernhardus</i> (F), <i>Atelecyclus rotundatus</i> (O), <i>Asterias rubens</i> (O), <i>Lesueurigobius friesii</i> (F), <i>Pomatoschistus minutus</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LF03 #3	219_086#3	M	Mud with <i>Pachycerianthus multiplicatus</i> (C), <i>Nephraps norvegicus</i> (O), <i>Asterias rubens</i> (F), <i>Lesueurigobius friesii</i> (F)	SS.SMu.CFiMu	BM?
		mR	Rock with silt veneer over boulders and rocky outcrops. <i>Protanthea simplex</i> (C), <i>Munida rugosa</i> (O), <i>Echinus esculentus</i> (F)	CR.LCR.BrAs.NeoPro	
		M G	Mud with occasional boulders covered in mud veneer. <i>Virgularia mirabilis</i> (F), <i>Protanthea simplex</i> (F), <i>Lesueurigobius friesii</i> (O), <i>Solea solea</i> (F)	SS.SMu.CFiMu.SpnMeg	BM
LF04 #1	219_085#1	M	Mud with <i>Virgularia mirabilis</i> (F), <i>Nephraps norvegicus</i> (O), <i>Pagurus bernhardus</i> (O), <i>Lumpenus lampretæformis</i> (O), <i>Lesueurigobius friesii</i> (O), <i>Pleuronectes platessa</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LF04 #2	219_085#2	M	Mud with <i>Virgularia mirabilis</i> (F), <i>Nephraps norvegicus</i> (F), <i>Lumpenus lampretæformis</i> (O), <i>Lesueurigobius friesii</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LF04 #3	219_085#3	M	Mud with <i>Virgularia mirabilis</i> (O), <i>Nephraps norvegicus</i> (F)	SS.SMu.CFiMu.SpnMeg	BM

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF05 #1	219_081#1	M	Mud with <i>Nephraps norvegicus</i> (F), <i>Munida rugosa</i> (F), <i>Necora puber</i> (O).	SS.SMu.CFiMu	BM?
		M G	Mud with cobbles and boulders. <i>Munida rugosa</i> (O), <i>Liocarcinus depurator</i> (O), <i>Aequipecten opercularis</i> (O), <i>Henricia oculata</i> some CR.LCR.BrAs.NeoPro	SS.SMx.CMx	
		M	Mud with <i>Virgularia mirabilis</i> (F), <i>Nephrops novegicus</i> (R), <i>Munida rugosa</i> (F), <i>Necora puiber</i> (O), <i>Liocarcinus</i> (O), <i>Cliona intestinalis</i> (O), <i>Gobiidae sp.</i> (F)	SS.SMu.CFiMu.SpnMeg	BM
LF05 #2	219_081#2	gM	Gravelly mud with burrows present. <i>Munida rugosa</i> (O), <i>Marthasterias glacialis</i> (O), <i>Liocarcinus depurator</i> (O), <i>Aequipecten opercularis</i> (O), <i>Marthasterias glacialis</i> (O)	SS.SMx.CMx	
		m R	Rock with <i>Cancer pagurus</i> (O), <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (O), <i>Ctenolabrus rupestris</i> (O)	IR.MIR.KR.XFoR	
		gM	Gravelly mud with <i>Pagurus bernhardus</i> (O), <i>Munida rugosa</i> (F), <i>Atelecyclus rotundatus</i> (O), <i>Liocarcinus sp.</i> (O), <i>Liocarcinus depurator</i> (F), <i>Necora puber</i> (O)	SS.SMx.CMx	
LF06 #1	219_080#1	mS Sh	Muddy sand with <i>Munida rugosa</i> (C), <i>Asterias rubens</i> (O), <i>Necora puber</i> (O). Moving to SSA.IMuSa	SS.SSa.CMuSa	
LF06 #2	219_080#2	sM sh	Sandy mud with <i>Paguridae sp.</i> (O), <i>Munida rugosa</i> (O), <i>Necora puber</i> (O), <i>Asterias rubens</i> (O). Poor visibility, some dead <i>Arctica islandica</i> present	SS.SMu.CSaMu	
		m S sh	Sand with <i>Halidrys siliquosa</i> (A) with <i>chorda filum</i> (O), <i>Munida rugosa</i>	SS.SMu.IMuSa	
LF07 #1	219_079#1	sG R	Rocky outcrops and boulders with sand/gravel veneer. <i>Protanthea simplex</i> (F), <i>Nephrops novegicus</i> (O), <i>Munida rugosa</i> (C), <i>Astropecten irregularis</i> (O), <i>Echinus esculentus</i> (F)	SS.SCS.CCS.(Gr)	
		R	Vertical rock face with <i>Protanthea simplex</i> (C), <i>Munida rugosa</i> (O), <i>Liocarcinus depurator</i> (O), <i>Echinus esculentus</i> (F)	CR.LCR.BrAs.NeoPro	
		sG R	Rocky outcrops and boulders with sand/gravel veneer. <i>Protanthea simplex</i> (F), <i>Munida rugosa</i> (C)	SS.SCS.CCS.(Gr)	

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF07 #2	219_079#2	M	Mud over bedrock outcrops, some CR.LCR.BrAs.NeoPro; possible echiuran feeding mounds present. <i>Protanthea simplex</i> (O), <i>Munida rugosa</i> (A), <i>Nephrops novergicus</i> (F), <i>Pagurus bernhardus</i> (O), <i>Necora puber</i> (O), <i>Echuinus esculentus</i> (F), <i>Aequipecten opercularis</i> (O).	SS.SMu.CFiMu	BM?
		mR	Upstanding rock with <i>Nemertesia ramosa</i> (O), <i>Protanthea simplex</i> (C), <i>Echuinus esculentus</i> (O), dead <i>Arctica islandica</i> present	CR.LCR.BrAs.NeoPro	
		gM R	Rock and mud with <i>Marthasterias glacialis</i> (O), <i>Liocarcinus depurator</i> (O), <i>Chorda filum</i> (O)	SS.SMx.IMx	
LF08 #1	219_076#1	M	Mud with <i>Virgularia mirabilis</i> (F), <i>Pachycerianthus multiplicatus</i> (O), <i>Urticina eques</i> (F), <i>Pandalus montagui</i> (F), <i>Nephrops novergicus</i> (O), <i>Munida rugosa</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LF08 #2	219_076#2	M	Mud with <i>Virgularia mirabilis</i> (F), <i>Pachycerianthus multiplicatus</i> (O), <i>Pandalus montagui</i> (O), <i>Nephrops novergicus</i> (O), <i>Pagurus bernhardus</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LF08 #3	219_076#3	M	Mud with <i>Virgularia mirabilis</i> (C), <i>Pachycerianthus multiplicatus</i> (O), <i>Urticina eques</i> (O), <i>Nephrops novergicus</i> (F), <i>Pagurus bernhardus</i> (O), <i>Buccinum undatum</i> (O), <i>Echuinus esculentus</i> (O),	SS.SMu.CFiMu.SpnMeg	BM
LF10 #1	219_075#1	G Sh	Gravel with brittle stars brittle stars <i>Ophiothrix fragilis</i> (A) and <i>Ophiocomina nigra</i> (C) with <i>Alcyonium digitatum</i> (O), <i>Serpula</i> sp. (O), <i>Aequipecten opercularis</i> (C), <i>Asterias rubens</i> (O), <i>Echuinus esculentus</i> (F)	SS.SMx.CMx.OphMx	
LF10 #2	219_075#2	G Sh	Gravel with brittle stars <i>Ophiothrix fragilis</i> (A) and <i>Ophiocomina nigra</i> (C) with <i>Alcyonium digitatum</i> (O), <i>Serpula</i> sp. (O), <i>Munida rugosa</i> (F), <i>Liocarcinus depurator</i> (O), <i>Buccinum undatum</i> (O), <i>Aequipecten opercularis</i> (F), <i>Crossaster papposus</i> (F), <i>Asterias rubens</i> (F)	SS.SMx.CMx.OphMx	

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF11 #1	219_074#1	G	Gravel with <i>Echuinus esculentus</i> (C), <i>Crossaster papposus</i> (F), <i>Solaster endeca</i> (O), <i>Antedon bifida</i> (R), <i>Aequipecten opercularis</i> (F), <i>Munida rugosa</i> (O), <i>Spirobranchus</i> sp. (O)	SS.SCS.CCS	
		G	Gravel with brittle stars dominant <i>Ophiocomina nigra</i> (A), <i>Echuinus esculentus</i> (F), <i>Spirobranchus</i> sp. (O)	SS.SMx.CMx.OphMx	
		G	Gravel with <i>Echuinus esculentus</i> (C), <i>Ophiocomina nigra</i> (R), <i>Spirobranchus</i> sp. (F)	SS.SCS.CCS	
LF11 #2	219_074#2	s G	Gravel with <i>Saccharina latissima</i> (A), <i>Sargassum muticum</i> (A), <i>Spirobranchus</i> sp. (F), <i>Liocarcinus depurator</i> (O), Bryozoan crusts (C), <i>Asterias rubens</i> (O), <i>Echuinus esculentus</i> (F),	SS.SMp.KSwSS.LsacR.Gv	KS
		s G	Dense brittle stars <i>Ophiocomina nigra</i> (A), mixed with SS.SMp.KSwSS.LsacR.Gv in places. <i>Saccharina latissima</i> (C) in places, <i>Fucus serratus</i> (O), <i>Sargassum muticum</i> (O), Bryozoan crusts ©, <i>Membranipora membranacea</i> (C), <i>Asterias rubens</i> (O), <i>Echuinus esculentus</i> (F), <i>Cerianthus lloydii</i> (O).	SS.SMx.CMx.OphMx	
LF12 #1	219_062#1	G	Gravel with <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (A), <i>Sargassum muticum</i> (C), bryozoan crusts (A)	SS.SMp.KSwSS.LsacR.Gv	KS
		g S M	Sand and mud with <i>Sargassum muticum</i> (O), <i>Virgularia mirabilis</i> (O), <i>Munida rugosa</i> (F)	SS.SMx.CMx	
		M	Mud with burrows <i>Virgularia mirabilis</i> (C), <i>Nephrops norvegicus</i> (O), <i>Munida rugosa</i> (C), <i>Liocarcinus</i> sp. (O), <i>Necora puber</i> (O), <i>Echuinus esculentus</i> (O)	SS.SMu.CFiMu.SpnMeg	
LF12 #2	219_062#2	S (g) s M sh	Sand with <i>Chorda filum</i> (O), Sandy mud with <i>Chorda filum</i> (O), <i>Cerianthus lloydii</i> (O), <i>Pagurus bernhardus</i> (O), <i>Munida rugosa</i> (F), <i>Necora puber</i> (O), <i>Asterias rubens</i> (O)	SS.SSa.IFiSa SS.SMu.CSaMu	
		M	Mud with burrows, <i>Virgularia mirabilis</i> (C), <i>Munida rugosa</i> (F), <i>Liocarcinus</i> sp. (O), <i>Liocarcinus depurator</i> (O), <i>Pomatoschistus minutus</i> (F)	SS.SMu.CFiMu.SpnMeg	BM

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF13 #1	219_063#1	M sh	Muddy sediment with <i>Ophiura ophiura</i> (F), <i>Liocarcinus depurator</i> (O), <i>Munida rugosa</i> (O), <i>Paguridae</i> sp. (F), <i>Cerianthus lloydii</i> (O),	SS.SMu.CFiMu	
LF14 #1	219_064#1	s M G	Mixed sediment with <i>Cerianthus lloydii</i> (O), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (A), <i>Liocarcinus depurator</i> (O), <i>Aequipecten opercularis</i> (O),	SS.SMx.CMx	
		(m) S sh	Sansy substrate with <i>Cerianthus lloydii</i> (O), <i>Echinus esculentus</i> (O)	SS.SSa.CMuSa	
LF15 #1	219_061#1	g S M sh	Sandy mud with <i>Nemertesia antennina</i> (F), <i>Virgularia mirabilis</i> (O), <i>Cerianthus lloydii</i> (F), <i>Paguridae</i> sp. (O), <i>Liocarcinus depurator</i> (O), <i>Pagurus bernhardus</i> (F), <i>Echinus esculentus</i> (O), <i>Pectinidae</i> sp. (F) possible Echiuran feeding mounds present	SS.SMu.CSaMu.(VirOphPmax.Has)	
LF15 #2	219_061#2	g S m sh	Sandy mud with <i>Nemertesia antennina</i> (O), <i>Virgularia mirabilis</i> (F), <i>Cerianthus lloydii</i> (F), <i>Paguridae</i> sp. (O), <i>Pectinidae</i> sp. (O), <i>Marthasterias glacialis</i> (O), <i>Echinus esculentus</i> (O) possible Echiuran feeding mounds present	SS.SMu.CSaMu.(VirOphPmax.Has)	
LF16 #1	219_059#1	sG	Sandy gravel with <i>Chorda filum</i> (O), <i>Saccharina latissima</i> (C), <i>Sargassum multicum</i> (C), Hydroid turf (F), <i>Spirobranchus</i> sp. (F), <i>Serpula</i> sp. (F), <i>Membranipora membranacea</i> crusts (A), <i>Electra pilosa</i> (C), <i>Porania pulvillus</i> (O), <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (F), <i>Echinus esculentus</i> (O)	SS.SMp.KSwSS.LsacR.Gv	KS
		sG	Sandy gravel with brittle stars <i>Ophiocoma nigra</i> (A), <i>Nemertesia antennina</i> (O), <i>Pachycerianthus multiplicatus</i> (O), <i>Pagurus bernhardus</i> (F), <i>Inachus</i> sp. (O), <i>Aequipecten opercularis</i> (F), <i>Membranipora membranacea</i> crusts (A), <i>Electra pilosa</i> (C), <i>Luidia ciliaris</i> (O), <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (O), <i>Echinus esculentus</i> (O)	SS.SMx.CMx.OphMx	

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF16 #2	219_059#2	sG	Sandy gravel dominated by algae. <i>Chorda filum</i> (O), <i>Saccharina latissima</i> (O), <i>Sargassum multicum</i> (O), <i>Nemertesia ramosa</i> (F), <i>Liocarcinus depurator</i> (O), <i>Henricia oculata</i> (O), <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (C), <i>Ophiocomina nigra</i> (O)	SS.SMp.KSwSS.LsacR.Gv	KS
		sG	Large numbers of brittle stars, <i>Ophiocomina nigra</i> (A), hydroid (C), <i>Nemertesia antennina</i> (O), <i>Cerianthus lloydii</i> (F), <i>Pagurus bernhardus</i> (O), <i>Liocarcinus depurator</i> (O), <i>Buccinum undatum</i> (O), <i>Pecten maximus</i> (O), <i>Henricia sp.</i> (F), <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (O), <i>Echinus esculentus</i> (O)	SS.SMx.CMx.OphMx	
LF16 #3	219_059#3	sG	Sandy gravel with <i>Saccharina latissima</i> (A), <i>Sargassum multicum</i> (C), hydroid turf (F), <i>Membranipora membranacea</i> crusts (A), <i>Electra pilosa</i> (C), <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (F), <i>Ophiocomina nigra</i> (O)	SS.SMp.KSwSS.LsacR.Gv	KS
		sG	Sandy gravel dominated by brittle stars <i>Ophiocomina nigra</i> (S), <i>Cerianthus lloydii</i> (F), <i>Pagurus bernhardus</i> (O), <i>Aequipecten opercularis</i> (F), <i>Luidia ciliaris</i> (O), <i>Porania pulvillus</i> (O), <i>Marthasterias glacialis</i> (O), <i>Echinus esculentus</i> (O)	SS.SMx.CMx.OphMx	
LF17 #1	219_073#1	M	Mud with <i>Atelecyclus rotundatus</i> (O), <i>Bathynectes longipes</i> (O), fish indet. (O)	SS.SMu.IFiMu	
LF17 #2	219_073#2	M	Mud with <i>Saccharina latissima</i> (O), <i>Capnea heterocera</i> (O), <i>Nephrops norvegicus</i> (F), <i>Atelecyclus rotundatus</i> (O), <i>Bathynectes longipes</i> (F), <i>Liocarcinus marmoreus</i> (O), <i>Necora puber</i> (O), bryozoan crust (C), fish indet. (O)	SS.SMu.IFiMu	
LF19 #1	219_069#1	M	Mud with burrows. <i>Urticina eques</i> (O), <i>Pandalus montagui</i> (O), <i>Nephrops norvegicus</i> (O), <i>Munida rugosa</i> (C), <i>Bathynectes longipes</i> (O), <i>Lumpenus lampretaeformis</i> (F), <i>Pleuronectes platessa</i> (O)	SS.SMu.CFiMu	BM?
LF21 #1	219_068#1	M	Burrows present <i>Munida rugosa</i> (C), <i>Ophiura ophiura</i> (C), <i>Scyllorhinus canicula</i> (O), <i>Lumpenus lampretaeformis</i> (O), <i>Pleuronectes platessa</i> (C)	SS.SMu.CFiMu	BM?

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF21 #2	219_068#2	M	Mud with burrows present. <i>Metridium senile</i> (O), <i>Nephrops norvegicus</i> (O), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (C), <i>Atelecyclus rotundatus</i> (O), <i>Liocarcinus depurator</i> (O), <i>Ophiura ophiura</i> (C), <i>Asterias rubens</i> (O), <i>Crossaster papposus</i> (O), <i>Scylliorhinus canicula</i> (O), <i>Pleuronectes platessa</i> (O)	SS.SMu.CFiMu	BM?
LF23 #1	219_067#1	sG R	Sandy gravel with hydroids (C), <i>Eudendrium ramosum</i> (C), <i>Spirobranchus</i> sp. (F), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (F), <i>Necora puber</i> (O), <i>Antedon bifida</i> (O), <i>Pecten maximus</i> (O), <i>Ciona intestinalis</i> (C), <i>Asterias rubens</i> (O), <i>Ophiocomina nigra</i> (O) <i>Porania pulvillus</i> (O) with CR.LCR.BrAs.AntAsH ?	SS.SCS.CCS	LC
		sG R	Sandy gravel with <i>Ophiocomina nigra</i> (A), <i>Serpula</i> sp. (O), <i>Pandalus montagui</i> (O), <i>Munida rugosa</i> (O), <i>Cancer pagurus</i> (O), <i>Liocarcinus</i> sp. (O), <i>Antedon bifida</i> (F), <i>Marthasterias glacialis</i> (O), <i>Ciona intestinalis</i> (C)	SS.SMx.CMx.OphMx	
		sG R	Sandy gravel with <i>Kirchenpaueria pinnata</i> (O), <i>Serpula</i> sp. (O), <i>Munida rugosa</i> , <i>Antedon bifida</i> (C), <i>Leptometra celtica</i> (F), <i>Ciona intestinalis</i> (F), <i>Asterias rubens</i> (O) with patches CR.HCR.XFa	SS.SCS.CCS.	
		sG	Sandy gravel with <i>Kirchenpaueria pinnata</i> (O), <i>Spirobranchus</i> sp. (O), <i>Serpula</i> sp. (O), <i>Cirripedia</i> (A), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (O), <i>Ciona intestinalis</i> (F), <i>Antedon bifida</i> (O), <i>Leptometra celtica</i> (C), <i>Porania pulvillus</i> (O)	SS.SCS.CCS	
LF23 #2	219_067#2	gS	Graveely sand with <i>Nemertesia antennina</i> (F), <i>Cerianthus lloydii</i> (F), <i>Munida rugosa</i> (O), <i>Pecten maximus</i> (O), <i>Aequipecten opercularis</i> (O), <i>Asterias rubens</i> (O)	SS.SMx.CMx	
		mS Sh	Sandy mud with burrows present, <i>Virgularia mirabilis</i> (O), <i>Cerianthus lloydii</i> (F), <i>Nephrops norvegicus</i> (O), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (C), <i>Liocarcinus depurator</i> (O), <i>Asterias rubens</i> (O)	SS.SSa.CMuSa	

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF25 #1	219_058#1	sG	Sandy gravel dominated by algae, <i>Serpula sp.</i> (O), <i>Munida rugosa</i> (O), <i>Liocarcinus sp.</i> (O), <i>Pectinidae sp.</i> (F), <i>Porania pulvillus</i> (O), <i>Crossaster papposus</i> (O), <i>Asterias rubens</i> (C), <i>Marthasterias glacialis</i> (O), <i>Ciona intestinalis</i> (F). dead <i>Arctica islandica</i> present	SS.SMp.KSwSS.LsacR	KS
LF26 #1	219_065#1	M G sh	Veneer of mud over cobbles and boulders hydroid turf (O), <i>Paguridae sp.</i> (O), <i>Pagurus bernhardus</i> (O), <i>Munida rugosa</i> (F), <i>Turitella communis</i> (O), <i>Antedon bifida</i> (F), <i>Leptometra celtica</i> (O), <i>Porania pulvillus</i> (O)	SS.SMx.CMx	BM?
		M sh	Mud with tracks and burrows present <i>Pagurus bernhardus</i> (O), <i>Munida rugosa</i> (O)	SS.SMu.CFiMu	
LF26 #2	219_065#2	M	Mud with burrows present; few rocky outcrops present. <i>Saccharina latissima</i> (O), <i>Nemertesia antennina</i> (O), <i>Urticina eques</i> (O), <i>Munida rugosa</i> (F), <i>Turitella communis</i> (O), <i>Pecten maximus</i> (O), <i>Leptometra celtica</i> (O)	SS.SMu.CFiMu	BM?
LF26 #3	219_065#3	M	Mud with burrows <i>Nephrops norvegicus</i> (O), <i>Paguridae sp.</i> (O), <i>Pagurus bernhardus</i> (O), <i>Munida rugosa</i> (O), <i>Aequipecten opercularis</i> (O), <i>Limanda limanda</i> (F)	SS.SMu.CFiMu	BM?
LF27 #1	219_100#1	s G sh	Sandy gravel with <i>Saccharina latissima</i> (O), <i>Nemertesia antennina</i> (O), <i>Cerianthus lloydii</i> ©, <i>Munida rugosa</i> (F), <i>Cancer pagurus</i> (O), <i>Porania pulvillus</i> (F), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (O)	SS.SMp.KSwSS.LsacR.Gv	KS
		(g)mS	Muddy sand and some gravel with <i>Nemertesia antennina</i> (O), <i>Cerianthus lloydii</i> (C), <i>Paguridae sp.</i> (O), <i>Munida rugosa</i> (C)	SS.SMx.CMx.CIlOmx.Nem	
LF 29 #1	219_094#1	M	Mud with <i>Euphausiidae sp.</i> (F), <i>Nephrops norvegicus</i> (O), <i>Munida rugosa</i> (F)	SS.SMu.CFiMu	BM?
LF30 #1	219_095#1	(g) s M sh	Sandy mud with hydroids, <i>Virgularia mirabilis</i> (O), <i>Cerianthus lloydii</i> (F), <i>Spirobranchus sp.</i> (O), <i>Munida rugosa</i> (F), <i>Liocarcinus sp.</i> (O), <i>Aequipecten opercularis</i> (O), <i>Crossaster papposus</i> (O), <i>Marthasterias glacialis</i> (O), <i>Myoxocephalus scorpius</i> (O)	SS.SMu.CSaMu.VirOphPmax.HAs	

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF31 #1	219_142#1	M	Mud with burrows <i>Brachura sp.</i> (O)	SS.SMu.CFiMu	BM?
LF32 #1	219_141#1	M	Mud with burrows <i>Metridium senile</i> (O), <i>Nephrops norvegicus</i> (F), <i>Brachura sp.</i> (F)	SS.SMu.CFiMu	BM?
LF32 #2	219_141#2	M sh	Mud with burrows <i>Metridium senile</i> (O), <i>Paguridae sp.</i>	SS.SMu.CFiMu	BM?
LF33 #1	219_143#1	M	Mud with burrows	SS.SMu.CFiMu	BM?
LF33 #2	219_143#2	M	Mud with burrows <i>Metridium senile</i> (C), <i>Munida rugosa</i> (O)	SS.SMu.CFiMu	BM?
LF34 #1	219_144#1	M	Mud with burrows <i>Virgularia mirabilis</i> (O), <i>Nephrops norvegicus</i> (C), <i>Munida rugosa</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LF35 #1	219_148#1	M	Burrows present; possible Echinuran feeding mounds present <i>Munida rugosa</i> (F)	SS.SMu.CFiMu	BM?
LF36 #1	219_147#1	M G sh M sh m G sh G	Mud and gravel with algae crusts (O) <i>Munida rugosa</i> (O), <i>Asterioidea sp.</i> (O), <i>Ophiothrix fragilis</i> (O), <i>Ophiocomina nigra</i> (C), <i>Echinus esculentus</i> (O) Muddy sediment with <i>Virgularia mirabilis</i> (F) Muddy gravel and boulders algae crusts (O), <i>Asterioidea sp.</i> (O), <i>Ophiothrix fragilis</i> (O), <i>Ophiocomina nigra</i> (A), <i>Echinus esculentus</i> (F), <i>Ciona intestinalis</i> (F) Gravel with occasional boulders Algae crusts (O), <i>Asterioidea sp.</i> (O), <i>Echinus esculentus</i> (O), <i>Ciona intestinalis</i> (F)	SS.SMx.CMx SS.SMu.CFiMu.SpnMeg CR.MCR.EcCr.FaAlCr.Bri CR.MCR.EcCr.FaAlCr	BM
LF37 #1	219_146#1	M sh	Burrows present; some rocky outcrops <i>Munida rugosa</i> (C)	SS.SMu.CFiMu.(SpnMeg)	BM
LF39 #2	219_097#1	m S sh	Muddy sand with <i>Cerianthus lloydii</i> (O), <i>Paguridae sp.</i> (O), <i>Munida rugosa</i> (O), <i>Atelecyclus rotundatus</i> (F), <i>Cancer pagurus</i> (O), <i>Liocarcinus depurator</i> (F), <i>Liocarcinus marmoreus</i> (O), <i>Carcinus maenas</i> (O), <i>Astropecten irregularis</i> (O), <i>Porania pulvillus</i> (O), <i>Asterias rubens</i> (O)	SS.SSa.CMuSa	

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF40 #3	219_098#1	M	Mud with <i>Nephrops norvegicus</i> (O), <i>Munida rugosa</i> (F), <i>Cancer pagurus</i> (O), <i>Liocarcinus depurator</i> (O), <i>Lumpenus lampretaeformis</i> (O)	SS.SMu.CFiMu	BM?
LF41 #1	219_096#1	sG	Sandy gravel with algae, <i>Cerianthus lloydii</i> (C), <i>Serpula</i> sp. (F), <i>Cancer pagurus</i> (O), <i>Liocarcinus depurator</i> (F), <i>Necora puber</i> (F), <i>Porania pulvillus</i> (F), <i>Asterias rubens</i> (C), <i>Marthasterias glacialis</i> (C)	SS.SCS.CCS	
LF41 #2	219_096#2	G	Gravel with <i>Chorda filum</i> (F), <i>Saccharina latissima</i> (C), <i>Sargassum muticum</i> (C), <i>Porania pulvillus</i> (F), <i>Asterias rubens</i> (F), <i>Marthasterias glacialis</i> (C)	SS.SMp.KSwSS.LsacR.Gv	KS
		G	Gravel with dead maerl <i>Phymatolithon calcareum</i> (F), <i>Saccharina latissima</i> (O), <i>Cerianthus lloydii</i> (C), <i>Liocarcinus depurator</i> (O), <i>Porania pulvillus</i> (O), <i>Marthasterias glacialis</i> (C)	SS.SMpMrl.Pcal.R (dead)	
LF41 #3	219_096#3	S	Sand with <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (A), <i>Halidrys siliquosa</i> (F), <i>Sargassum muticum</i> (F), M, <i>Marthasterias glacialis</i> (F), <i>Macropodia</i> sp. (C), <i>Asterias rubens</i> (F), <i>Echinus esculentus</i> (A)	SS.SMp.KSwSS.LsacR.Gv	KS
		G	Gravel with dead maerl <i>Phymatolithon calcareum</i> (C), <i>Saccharina latissima</i> (O), <i>Luidia ciliaris</i> (O), <i>Porania pulvillus</i> (F), <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (F),	SS.SMpMrl.Pcal.R (dead)	
LF44 #1	219_060#1	gS Sh	Clumps of <i>Modiolus modiolus</i> at the start. Gravelly sand with <i>Saccharina latissima</i> (O), <i>Fucus serratus</i> (O), <i>Pectinidae</i> sp. (F), <i>Luidia ciliaris</i> (O), <i>Porania pulvillus</i> (O), <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (O), <i>Ophiothrix fragilis</i> (C), <i>Echinus esculentus</i> (A)	SS.SBR.SMus SS.SMx.CMx.OphMx	HM
LF45#1	219_070#1	m S sh	Muddy sand with <i>Cerianthus lloydii</i> (C), <i>Chone infundibuliformis</i> (O), <i>Nemertesia antennina</i> (O), <i>pagurus bernhardus</i> (O), <i>Munida rugosa</i> (O), <i>Necora puber</i> (O), <i>Aequipecten opercularis</i> (O)	SS.SSa.CMuSa	

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF46 #1	219_070#1	m S sh gS gS	Muddy sand with <i>Cerianthus lloydii</i> (C), <i>Chone infundibuliformis</i> (O), <i>Nephrops norvegicus</i> (O), <i>Munida rugosa</i> (O), <i>Pagurus bernhardus</i> (O), <i>Necora puber</i> (O), <i>Aequipecten opercularis</i> (O), <i>Asterias rubens</i> (O) Algae abundant, <i>Chorda filum</i> (F), <i>Saccharina latissima</i> (C), <i>Cerianthus lloydii</i> (C), <i>Asterias rubens</i> (O), <i>Ophiocomina nigra</i> (O) Gravelly sand with algae abundant and brittle stars, <i>Ophiocomina nigra</i> (A), <i>Chorda filum</i> (F), <i>Saccharina latissima</i> (C)	SS.SSa.CMuSa SS.SMp.KSwSS.LsacR SS.SMx.CMx.OphMx	KS
LF46 #2	219_071#2	gS Sh gS	Gravelly sand with <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (O), <i>Fucus serratus</i> (O), <i>Aequipecten opercularis</i> (O), <i>Echinus esculentus</i> (C) Gravelly sand with brittle stars <i>Ophiocomina nigra</i> (A) with algae, <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (C),	SS.SCS.CCS SS.SMx.CMx.OphMx	
LF47 #1	219_072#1	sG sG	Sandy gravel with <i>Saccharina latissima</i> (O), <i>Cerianthus lloydii</i> (C), <i>Aequipecten opercularis</i> (F), <i>Electra pilosa</i> (O), <i>Asterias rubens</i> (C), <i>Echinus esculentus</i> (F) Sandy gravel with brittle stars <i>Ophiocomina nigra</i> (A), <i>Urticina euques</i> (O), <i>Aequipecten opercularis</i> (O), <i>Electra pilosa</i> (O)	SS.SCS.CCS SS.SMx.CMx.OphMx	
LF47 #2	219_072#2	sG Sh sG Sh	Sandy gravel with algae <i>Saccharina latissima</i> (O), <i>Sargassum muticum</i> (O), <i>Atelecyclus rotundatus</i> (O), <i>Necora puber</i> (O) some SS.SMp.KSwSS.LsacR Sandy gravel with algae and dense brittle stars <i>Saccharina latissima</i> (C), <i>Sargassum muticum</i> (O), <i>Electra pilosa</i> (O), <i>Ophiothrix fragilis</i> (F), <i>Ophiocomina nigra</i> (A)	SS.SCS.ICS SS.SMx.CMx.OphMx	
LF48 #1	219_078#1	M	Mud with <i>Euphausiidae</i> sp. (C), <i>Nephrops norvegicus</i> (R), <i>Pachycerianthus multiplicatus</i> (R)	SS.SMu.CFiMu	BM? PM
LF48 #2	219_078#2	M	Mud with <i>Euphausiidae</i> sp. (C)	SS.SMu.CFiMu	BM?

Site	Sample Number	Substratum	Biota	Biotopes	PMFs
LF49 #1	219_077#1	G	Gravel cobbles and boulders. Encrusting algae, <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (F), <i>Sargassum muticum</i> (C) bryozoan crusts, <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (F)	SS.SMp.KSwSS.LsacR.CbPb	KS
		S Sh	Sand with <i>Chorda filum</i> (O), <i>Sargassum muticum</i> (O), <i>Necora puber</i> (O), <i>Liocarcinus</i> sp. (O), <i>Buccinum undatum</i> (O), bryozoan crusts, <i>Solaster endeca</i> (O), <i>Marthasterias glacialis</i> (O)	SS.SCS.ICS	
		S G	Sandy gravel with cobbles and boulders, <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (C), <i>Sargassum muticum</i> (C), bryozoan crusts, <i>Marthasterias glacialis</i> (O)	SS.SMp.KSwSS.LsacR.CbPb	KS
LF 49 #2	219_077#2	(m) S Sh	Sand with <i>Cerianthus lloydii</i> (C), <i>Paguridae</i> sp. (O), <i>Liocarcinus</i> sp. (O), <i>Crossaster papposus</i> (O), <i>Echinus esculentus</i> (O)	SS.SMx.CMx	
		G S	Algae dominated seabed <i>Saccharina latissima</i> (F), bryozoans (F), <i>Asterias rubens</i> (O)	SS.SMp.KSwSS.LsacR	
LF50 #1	219_140#1	M	Mud with <i>Metridium senile</i> (F) only present on man-made structures (F); burrows present	SS.SMu.CFiMu	BM?
LF51#1	219_084#1	M	Mud with <i>Virgularia mirabilis</i> (C), <i>Pachycerianthus multiplicatus</i> (O), <i>Pagurus bernhardus</i> (F), <i>Nephrops norvegicus</i> (O), <i>Lesueurigobius friesii</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LF51#2	219_084#2	M sh	Mud with <i>Pachycerianthus multiplicatus</i> (C), <i>Munida rugosa</i> (F), <i>Liocarcinus</i> sp. (F), <i>Lesueurigobius friesii</i> (C)	SS.SMu.CFiMu.SpnMeg	BM
LF52 #1	219_099#1	s M sh	Abundant echiuran feeding mounds, <i>Saccharina latissima</i> (O), <i>Nephrops norvegicus</i> (F), <i>Atelecyclus rotundatus</i> (O), <i>Liocarcinus</i> sp. (F)	SS.SMu.ISaMu	
LF54#1	219_145#1	s G sh	Gravel and boulders dominated by brittle stars <i>Ophiocomina nigra</i> (A), <i>Paguridae</i> sp. (F), <i>Asteroidea</i> sp. (O),	SS.SMx.CMx.OphMx	MD
		s G sh	Sandy gravel with <i>Phymatolithon calcareum</i> (O), <i>Asteroidea</i> sp. (F)	SS.SMp.Mrl.Pcal	

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL01 #1	219_132#1	sM Sh	Sandy mud with <i>Urticina eques</i> (O), <i>Paguridae</i> sp.(O), <i>Munida rugosa</i> (O), <i>Marthasterias glacialis</i> (O)	SS.SMu.CSaMu	
LL02 #1	219_133#1	gM sh	Gravelly mud with <i>Cerianthus lloydii</i> (C), <i>Liocarcinus depurator</i> (F), <i>Turitella communis</i> (C). <i>Asterias rubens</i> (O), <i>Ophiura ophiura</i> (O)	SS.SMx.CMx.CIloMx.Nem	
		sM	Sandy mud with <i>Munida rugosa</i> (F), <i>Cancer pagurus</i> (O), <i>Liocarcinus depurator</i> (F), <i>Turitella communis</i> (O), <i>Amphiura</i> sp. (A)	SS.SMu.CSaMu.AfilMysAnit	
LL03#1	219_001#1	(g)S Sh	Mixed sediment with <i>Paguridae</i> sp.(O), <i>Marthasterias glacialis</i> (O), <i>Echinus esculentus</i> (O)	SS.SMx.CMx	
LL03 #3	219_001#3	(m) g S Sh	Mixed sediment with hydroids, <i>Actiniaria</i> sp. (O), <i>Pandalus montagui</i> (O), <i>Nephrops norvegicus</i> (O), <i>Echinus esculentus</i> (O)	SS.SMx.CMx	
LL04 #1	219_003#1	gmS	Gravelly muddy sand with <i>Saccharina latissima</i> (O), hydroids, <i>Halecium plumosum</i> (O), <i>Cerianthus lloydii</i> (A), <i>Pandalus montagui</i> (O), <i>Nephrops norvegicus</i> (O), <i>Achaeus cranchii</i> (O)	SS.SMx.CMx.CIloMx.Nem	
		gS G	Gravelly sand with hydroids (F), <i>Cerianthus lloydii</i> (C) <i>Pandalus montagui</i> (O), <i>Cancer pagurus</i> (O)	SS.SMx.CMx	
		M S	Sandy mud with <i>Nemertesia antennina</i> (O), <i>Nephrops norvegicus</i> (F), <i>Ophiuridae</i> sp. (C), <i>Amphiura</i> sp. (A)	SS.SSa.CMuSa.AbraAirr	
LLo5 #1	219_004#1	mS	Muddy sand with algae <i>Saccharina latissima</i> (O), <i>Pandalus montagui</i> (O), <i>Paguridae</i> sp. (O), <i>Atelecyclus rotundatus</i> (O), <i>Asterias rubens</i> (O), <i>Amphiura</i> sp. (A)	SS.SSa.CMuSa.AbraAirr	
LL06#1	219_005#1	mS Sh	Muddy sand with <i>Pandalus montagui</i> (O), <i>Paguridae</i> sp. (O), <i>Asterias rubens</i> (O), <i>Ophiuridae</i> sp. (A)	SS.SSa.CMuSa	
LL06#2	219_005#2	mS Sh	Muddy sand with <i>Atelecyclus rotundatus</i> (O), <i>Asterias rubens</i> (C), <i>Ophiuridae</i> sp. (A)	SS.SSa.CMuSa	
LL07 #1	219_007#1	M	Mud with <i>Virgularia mirabilis</i> (O), mounds common, <i>Nephrops norvegicus</i> (F), <i>Liocarcinus corrugatus</i> (O), <i>Amphiura</i> sp. (F)	SS.SMu.CFiMu.SpnMeg	BM

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL08 #1	219_131#1	S	Sand with algae dominating in places. <i>Laminaria hyperborea</i> (F), <i>Fucus serratus</i> (O), <i>Carcinus maenas</i> (O), Encrusting bryozoans (C), <i>Electra pilosa</i> (C-F), <i>Asterias rubens</i> (O)	SS.SMp.KSwSS.LsacR.Sa	KS
LL11 #1	219_122#1	M	Mud with <i>Virgulairia mirabilis</i> (O) and <i>Pennatula phosphorea</i> (O), <i>Pagurus bernhardus</i> (O), <i>Ophiura ophiura</i> (O), Fish indet (F), <i>Ctenolabrus rupestris</i> (O), <i>Lumpenus lampretaeformis</i> (F)	SS.SMu.CFiMu.SpnMeg	BM
LL12 #1	219_130#1	M G sh	Encrusting algae common with hydroids (O), <i>Munida rugosa</i> (C), <i>Liocarcinus depurator</i> (F), <i>Asterias rubens</i> (C) <i>Echinus esculentus</i> (F), <i>Ciona intestinalis</i> (F), <i>Ctenolabrus rupestris</i> (O)	CR.LCR.BrAs.AmenCio	
		s M sh M G sh	Sandy mud with <i>Munida rugosa</i> (O) Encrusting algae common with hydroids (O), <i>Munida rugosa</i> (C), <i>Asterias rubens</i> (C), <i>Echinus esculentus</i> (C), <i>Ciona intestinalis</i> (F)	SS.SMu.CSaMu CR.LCR.BrAs.AmenCio	
		s M sh	Sandy mud	SS.SMu.CSaMu	
LL12 #2	219_130#2	M	Mud with <i>Virgulairia mirabilis</i> (F), <i>Paguridae</i> sp. (C), <i>Pagurus bernhardus</i> (F), <i>Munida rugosa</i> (F), <i>Liocarcinus depurator</i> (F), <i>Liocarcinus marmoreus</i> (F), <i>Asterias rubens</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LL13 #1	219_124#1	gmS	Gravelly muddy sand with <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (C), <i>Asterias rubens</i> (O), <i>Amphiura</i> sp. (C), <i>Ophiura ophiura</i> (F)	SS.SMx.CMx	BM
		m S	Muddy sand with <i>Virgulairia mirabilis</i> (O), <i>Cerianthus lloydii</i> (O), <i>Paguridae</i> sp. (F), <i>Munida rugosa</i> (F), <i>Liocarcinus depurator</i> (O), <i>Amphiura</i> sp. (C), <i>Ophiura ophiura</i> (C)	SS.SSa.CMuSa.AbraAirr	
		M	Mud with <i>Virgulairia mirabilis</i> (C), <i>Cerianthus lloydii</i> (C), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (O), <i>Asterias rubens</i> (O)	SS.SMu.CFiMu.SpnMeg	
LL14 #1	219_129#1	M	Mud with <i>Virgulairia mirabilis</i> (F), <i>Euphausiidae</i> sp. (C), <i>Liocarcinus depurator</i> (O), <i>Asterias rubens</i> (C), <i>Amphiura</i> sp. (A), <i>Ophiura ophiura</i> (C), <i>Lumpenus lampretaeformis</i> (F)	SS.SMu.CFiMu.SpnMeg	BM

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL15 #1	219_125#1	mG	Muddy gravel with <i>Chorda filum</i> (O), <i>Saccharina latissima</i> (C), <i>Fucus serratus</i> (R), <i>Asterias rubens</i> (O)	SS.SMp.KSwSS.LsacR	KS
		m G	Muddy gravel with <i>Cerianthus lloydii</i> (A), Decapoda sp (C), <i>Munida rugosa</i> (F), <i>Asterias rubens</i> (F), <i>Echinus esculentus</i> (O)	SS.SCS.CCS	
		G M sh	Mud and gravel with <i>Cerianthus lloydii</i> (C), <i>Paguridae</i> sp. (F), <i>Munida rugosa</i> (C), <i>Liocarcinus depurator</i> (O), <i>Modiolus modiolus</i> (O), <i>Aequipecten opercularis</i> (O), <i>Asterias rubens</i> (F), dead <i>Arctica islandica</i> present, <i>Echinus esculentus</i> (O), <i>Gracilechinus acutus</i> (O)	SS.SMx.CMx	
		M	Mud with <i>Paguridae</i> sp. (C), <i>Munida rugosa</i> (F), <i>Liocarcinus depurator</i> (O), <i>Aequipecten opercularis</i> (O), <i>Asterias rubens</i> (F)	SS.SMu.CFiMu	
LL16 #1	219_126#1	M	Mud with <i>Pandalus montagui</i> (O), <i>Cerianthus lloydii</i> (F), <i>Asterias rubens</i> (F), <i>Lumpenus lampretaeformis</i> (O)	SS.SMu.CFiMu	BM?
LL17 #1	219_128#1	sG R	Some <i>Saccharina latissima</i> (O), <i>Cerianthus lloydii</i> (C), <i>Paguridae</i> sp. (F) with SS.SMp.KSwSS.LsacR.Gv, <i>Necora puber</i> (O), <i>Luidia ciliaris</i> (O), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (F)	SS.SCS.ICS	
LL18#1	219_127#1	M	Mud with <i>Nephrops noregicus</i> (F), <i>Spirobranchus</i> sp. (F), <i>Liocarcinus depurator</i> (O), <i>Necora puber</i> (O), <i>Echinus esculentus</i> (O)	SS.SMu.CFiMu	BM?
LL 20 #1	219_123#1	sG	Sandy gravel with <i>Cerianthus lloydii</i> (C), <i>Metridium senile</i> (O), <i>Liocarcinus depurator</i> (F)	SS.SMp.KSwSS.LsacR.Gv	KS
		g m S sh	Some boulders with encrusting algae, <i>Spirobranchus</i> sp. (O), <i>Munida rugosa</i> (C), <i>Cancer pagurus</i> (O), <i>Liocarcinus depurator</i> (O), <i>Marthasterias glacialis</i> (F)	SS.SMx.CMx	
		(g)sM sh	Sandy mud with <i>Virgularia mirabilis</i> (O), <i>Pagurus bernhardus</i> (F), <i>Munida rugosa</i> (C), <i>Liocarcinus depurator</i> (O), <i>Marthasterias glacialis</i> (F)	SS.SMu.CSaMu	
LL21 #1	219_121#1	s G	Sandy gravel with <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (C), <i>Macropodia</i> sp. (O), <i>Carcinus maenas</i> (O), juvenile <i>Asterias rubens</i> (F), <i>Marthasterias glacialis</i> (O)	SS.SMp.KSwSS.LsacCho	KS

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL21 #2	219_121#2	s G	Sandy gravel with <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (F), juvenile <i>Asterias rubens</i> (O)	SS.SMp.KSwSS.LsacCho	KS
LL21 #3	219_121#3	s G	Sandy gravel with <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (F), <i>Macropodia</i> sp. (O), <i>Carcinus maenas</i> (O), bryozoan crusts (O), juvenile <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (O)	SS.SMp.KSwSS.LsacCho	KS
LL21 #4	219_121#4	s G	Sandy gravel with <i>Chorda filum</i> (A), <i>Saccharina latissima</i> (C), <i>Marthasterias glacialis</i> (O)	SS.SMp.KSwSS.LsacCho	KS
LL21 #5	219_121#5	s G	Sandy gravel with <i>Chorda filum</i> (C), <i>Saccharina latissima</i> (F), bryozoan crusts (O), juvenile <i>Asterias rubens</i> (O)	SS.SMp.KSwSS.LsacCho	KS
LL22 #1	219_134#1	(s) M sh	SS.SMu.CFiMu.MegMax? Burrows, <i>Paguridae</i> sp. (A), <i>Munida rugosa</i> (F), <i>Brachyura</i> sp. (F)	SS.SMu.CFiMu	BM?
LL22 #2	219_134#2	M sh m G sh	SS.SMu.CFiMu.MegMax? Burrows present; dead <i>Arctica islandica</i> possible Echiruan feeding mounds present. <i>Lumpenus lampertaeformis</i> sighted. <i>Paguridae</i> sp. (F), <i>Munida rugosa</i> ©, <i>Brachyura</i> sp., (F), <i>Pectinidae</i> sp. (O) Burrows present; possible Echiruan feeding mounds present, <i>Elysia viridis</i> sighted (?), <i>Munida rugosa</i> (F)	SS.SMu.CFiMu SS.SCS.ICS.SSh	BM?
LL 23 #1	219_135#1	M	Mud with burrows present, <i>Paguridae</i> sp. (O), <i>Brachyura</i> sp.(O)	SS.SMu.CFiMu	BM?
LL 24 #1	219_136#1	M	Mud with burrows present; possible Echiruan feeding mounds present. <i>Virgularia mirabilis</i> (F), <i>Paguridae</i> sp. (O), <i>Brachyura</i> sp., (F), <i>Solaster endeca</i> (O), <i>Asterias rubens</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LL25 #1	219_137#1	M sh R M sh	Mud. Poor visibility Bedrock and boulders with <i>Haliclona</i> sp. (O), <i>Echinus esculentus</i> © Mud with burrows, <i>Haliclona</i> sp. (O), <i>Virgularia mirabilis</i> (F), <i>Mundia rugosa</i> (C), <i>Brachyura</i> sp., (F), <i>Echinus esculentus</i> (O)	SS.SMu.CFiMu CR.MCR.EcCr SS.SMu.CFiMu.SpnMeg	BM? BM

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL25 #2	219_137#2	(g) M sh m G sh g M sh	Burrows present; possible Echiuran feeding mounds present, <i>Brachyura sp.</i> (O), <i>Asteroidea sp.</i> (F) Boulders with veneer of mud, <i>Haliclona sp.</i> (O), <i>Asteroidea sp.</i> (O), <i>Echinus esculentus</i> (F) Poor visibility	SS.SMu.IFiMu CR.MCR.EcCr SS.SMx.IMx	
LL26 #1	219_138#1	G G R	Gravel dominated by brittle stars, <i>Ophiothirx fragilis</i> (S), <i>Ophiocomina nigra</i> (F), <i>Asterias rubens</i> (F), <i>Echinus esculentus</i> (O) Gravel and rock with <i>Saccharina latissima</i> (O), <i>Asterias rubens</i> (O), <i>Ophiothirx fragilis</i> (C), <i>Ophiocomina nigra</i> (A), <i>Echinus esculentus</i> (O)	SS.SMx.CMx.OphMx IR.MIR.KR	
LL27 #1	219_139#1	s G sh	Patchy; some IR.MIR.KR. Large numbers of brittle stars <i>Ophiothirx fragilis</i> (A), <i>Ophiocomina nigra</i> (A), <i>Saccharina latissima</i> (O) <i>Asteroidea sp.</i> (F). <i>Echinus esculentus</i> (O)	SS.SMx.CMx.OphMx	
LL28 #1	219_008#1	M	Mud with a few seapens present; possible Echiuran feeding mounds present, <i>Alcyonium digitatum</i> (O), <i>Paguridae sp.</i> (O), <i>Pagurus bernhardus</i> (O), <i>Munida rugosa</i> (O), <i>Liocarcinus depurator</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LL29 #1	219_009#1	gmS	Hydroids (F) with <i>Paguridae sp.</i> (O), <i>Liocarcinus depurator</i> (F), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (O)	SS.SMx.CMx	
LL30 #1	219_010#1	M	Mud with mounds. Poor visibility	SS.SMu.CFiMu	BM?
LL31 #1	219_011#1	G	Gravel with <i>Pagurus bernhardus</i> (O), <i>Munida rugosa</i> (A), <i>Liocarcinus navigator</i> (O), <i>Antedon bifida</i> (O), <i>Asterias rubens</i> (F)	SS.SMx.CMx	
LL32 #1	219_012#1	M	Poor visibility. Mud with burrows present, <i>Cerianthus lloydii</i> (O), <i>Urticina eques</i> (C), <i>Euphausiidae sp.</i> (A), <i>Nephrops norvegicus</i> (O), <i>Paguridae sp.</i> (O), <i>Pagurus bernhardus</i> (C), <i>Munida rugosa</i> (A), <i>Liocarcinus navigator</i> (O), <i>Liocarcinus corrugatus</i> (O), <i>Asterias rubens</i> (O)	SS.SMu.CFiMu	BM?
LL33 #1	219_034#1	M	Poor visibility, mud with burrows present, <i>Cerianthus lloydii</i> (O), <i>Nephrops norvegicus</i> (O), <i>Paguridae sp.</i> (O)	SS.SMu.CFiMu	BM?

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL34 #1	219_035#1	sM Sh	Sandy mud with poor visibility. <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (O), <i>Liocarcinus depurator</i> (O), <i>Ophiura ophiura</i> (A)	SS.SSa.CSaMu	
LL36 #1	219_036#1	sG R	Sandy gravel with <i>Alcyonium digitatum</i> (O), <i>Cerianthus lloydii</i> (O), <i>Metridium senile</i> (O), <i>Asterias rubens</i> (C) Poor visibility. Muddy gravel with <i>Suberites</i> sp. (F), <i>Alcyonium digitatum</i> (C), <i>Cerianthus lloydii</i> (O), <i>Metridium senile</i> (O), <i>Paguridae</i> sp. (O), <i>Pecten maximus</i> (O), <i>Asterias rubens</i> (F)	SS.SCS.CCS.(Gr) SS.SMx.CMx	
		mG	Sandy gravel with <i>Suberites</i> sp. (O), <i>Alcyonium digitatum</i> (C), <i>Paguridae</i> sp. (O), <i>Liocarcinus depurator</i> (O), <i>Asterias rubens</i> (F) large number of brittle stars <i>Ophiothrix fragilis</i> (S), <i>Ophiocomina nigra</i> (C)	SS.SMx.CMx.OphMx	
		sG R	Sandy gravel with <i>Suberites</i> sp. (O). <i>Alcyonium digitatum</i> (O), large number of brittle stars <i>Ophiothrix fragilis</i> (C), <i>Ophiocomina nigra</i> (F)	SS.SMx.CMx.OphMx	
		sG			
LL39 #1	219_037#1	(g)sM	Gravelly sandy mud with <i>Metridium senile</i> (O), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (O), <i>Liocarcinus</i> sp. (O), <i>Liocarcinus depurator</i> (O), <i>Buccinum undatum</i> (O), <i>Aequipecten opercularis</i> (O), <i>Asterias rubens</i> (F)	SS.SMx.CMx	
LL40 #1	219_038#1	(g)sM	Gravelly sandy mud with <i>Suberites</i> sp. (O), <i>Alcyonium digitatum</i> (O), <i>Cerianthus lloydii</i> (O), <i>Paguridae</i> sp. (O), <i>Liocarcinus depurator</i> (O), <i>Buccinum undatum</i> (O), <i>Asterias rubens</i> (O), <i>Aequipecten opercularis</i> (O)	SS.SMx.CMx	
LL41 #1	219_039#1	g m S	Gravelly muddy sand with <i>Cerianthus lloydii</i> (O), <i>Liocarcinus depurator</i> (O), <i>Asterias rubens</i> (F)	SS.SMx.IMx	
		s G	Sandy gravel <i>Saccharina latissima</i> (A), <i>Serpula</i> sp. (O), <i>Asterias rubens</i> (O), <i>Psammechinus miliaris</i> (O)	SS.SCS.ICS	
LL42 #1	219_109#1	M	Mud with <i>Liocarcinus depurator</i> (O), <i>Asterias rubens</i> (O)	SS.SMu.CFiMu	
LL42 #2	219_109#2	M	Mud with <i>Ophiura</i> sp.(C), <i>Atelecyclus rotundatus</i> (O), <i>Liocarcinus depurator</i> (O), <i>Liocarcinus marmoreus</i> (O), <i>Asterias rubens</i> (O)	SS.SMu.CFiMu	
		M	<i>Ophiura</i> sp.(C), <i>Nephrops norvegicus</i> (F), <i>Pagurus bernhardus</i> (O)	SS.SMu.CFiMu	

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL43 #1	219_112#1	g S (m) g S M sh M	Gravelly sand with <i>Spirobranchus sp</i> (A), <i>Modiolus modiolus</i> (C) Sandy with <i>Cerianthus lloydii</i> (C), <i>Spirobranchus sp</i> (F), <i>Pagurus bernhardus</i> (O) Sandy mud with <i>Virgularia mirabilis</i> (F), <i>Cerianthus lloydii</i> (F), <i>Liocarcinus depurator</i> (F), <i>Liocarcinus marmoreus</i> (O) Mud with <i>Virgularia mirabilis</i> (C), <i>Nephrops norvegicus</i> (O), <i>Pagurus bernhardus</i> (O), <i>Liocarcinus sp.</i> (O)	SS.SBR.SMus.ModT SS.SSa.CMuSa SS.SMu.CSaMu.VirOphPmax SS.SMu.CFiMu.SpnMeg	HM BM
LL44 #1	219_110#1	M	Mud with <i>Cerianthus lloydii</i> (F), Scattered mounds (O), <i>Liocarcinus marmoreus</i> (O), <i>Ophiura ophiura</i> (F)	SS.SMu.CFiMu	BM?
LL45 #1	219_111#1	(g) M gM M	Mud with large expanse of <i>Polydora sp.</i> Mats (A), <i>Cerianthus lloydii</i> (F), <i>Liocarcinus marmoreus</i> (O) Boat wreck surrounded by mud (with <i>Polydora</i> mats), <i>Cerianthus lloydii</i> (C), <i>Protanthea simplex</i> (O), <i>Metridium senile</i> (C), <i>Polydora sp.</i> (O), <i>Paguridae sp.</i> (O), <i>Liocarcinus marmoreus</i> (O) Mud with large expanse of <i>Polydora sp.</i> Mats (A), <i>Cerianthus lloydii</i> (F), <i>Liocarcinus depurator</i> (O)	SS.SMu.ISaMu.AmpPlon CR.FCR.FouFa.AdigMsen SS.SMu.ISaMu.AmpPlon	
LL46#1	219_013#1	M sh	Poor visibility. Mud with <i>Virgularia mirabilis</i> (F), <i>Munida rugosa</i> (O), <i>Paguridae sp.</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LL47#1	219_015#1	mG mG	Algae common, <i>Alcyonium digitatum</i> (O), <i>Munida rugosa</i> (O), <i>Asterias rubens</i> (C), <i>Echinus esculentus</i> (O) Dense algae turf (S), <i>Saccharina latissima</i> (C), <i>Asterias rubens</i> (O)	SS.SMx.CMx SS.SMp.KSwSS.LsacR	KS
LL48 #1	219_014#1	M	Poor visibility. Mud with <i>Virgularia mirabilis</i> (O), <i>Metridium senile</i> (O), <i>Pectinidae sp.</i> (O), <i>Asterias rubens</i> (O),	SS.SMu.CFiMu.SpnMeg	BM
LL49 #1	219_116#1	M G M	Poor visibility, Muddy gravel with <i>Munida rugosa</i> (C), <i>Ciona intestinalis</i> (O), <i>Ctenolabrus rupestris</i> (O) Poor visibility. Mud with <i>Nephrops norvegicus</i> (O), <i>Munida rugosa</i> (C)	SS.SMx.CMx SS.SMu.CFiMu	BM?
LL50#1	219_115#1	M	Poor visibility. Mud with <i>Munida rugosa</i> (F), <i>Echinus esculentus</i> (O)	SS.SMu.CFiMu	BM?

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL51 #1	219_114#1	M	Poor visibility. Mud with <i>Spirobranchus</i> sp. (C), <i>Euphausiidae</i> sp. (F), <i>Nephrops norvegicus</i> (O), <i>Munida rugosa</i> (F), <i>Ophiura ophiura</i> (O)	SS.SMu.CFiMu	BM?
LL52 #1	219_113#1	M G sh	Cobbles and pebbles over mud, <i>Munida rugosa</i> (O), <i>Carcinus maenas</i> (O), <i>Asterias rubens</i> (O), <i>Gracilechinus acutus</i> (O)	SS.SMx.CMx	KS
		g s M sh	Algae inc <i>Chorda filum</i> (A) and <i>Saccharina latissima</i> (O), <i>Carcinus maenas</i> (O), <i>Asterias rubens</i> (O)	SS.SMp.KSwSS.LsacR.Mu	
		s M sh	Sandy mud with <i>Carcinus maenas</i> (O), <i>Paguridae</i> sp (R)	SS.SMu.ISaMu	
LL52 #2	219_113#2	(m) G	Cobbles and pebbles over mud. <i>Cerianthus lloydii</i> (F), <i>Spirobranchus</i> sp. (O), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (F), <i>Asterias rubens</i> (O)	SS.SMx.CMx	KS
		sG	Sandy gravel with <i>Chorda filum</i> (F), <i>Saccharina latissima</i> (C), <i>Ulva lactuca</i> (F), <i>Spirobranchus</i> sp. (F), bryozoans (A)	SS.SMp.KSwSS.LsacR.Gv	
LL53 #1	219_108#1	m G R sh	Silt veneer over bedrock, boulders; some patches of gravelly mud; dead <i>Arctica islandica</i> and <i>Modiolus modiolus</i> present. Hydroids (F), <i>Tubularia indivisa</i> (F), <i>Cerianthus lloydii</i> (O), <i>Protanthea simplex</i> (C), <i>Munida rugosa</i> (F), <i>Liocarcinus marmoreus</i> (O), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (F)	CR.LCR.BrAs.NeoPro	BM, PM
		g M sh	Gravelly mud with hydroids (F), <i>Tubularia indivisa</i> (F), <i>Cerianthus lloydii</i> (O), <i>Munida rugosa</i> (F), <i>Liocarcinus marmoreus</i> (O)	SS.SMx.CMx	
		M	Mud with <i>Virgularia mirabilis</i> (C), <i>Cerianthus lloydii</i> (F), <i>Munida rugosa</i> (C), <i>Liocarcinus marmoreus</i> (F), <i>Pachycerianthus multiplicatus</i> (R)	SS.SMu.CFiMu.SpnMeg	
LL54 #1	219_107#1	G	Large numbers of brittle stars <i>Ophiothrix fragilis</i> (A), <i>Ophiocomina nigra</i> (C). Gravel with patchy; some boulders with CR.MCR.EcCr.FaAlCr.Bri. Encrusting algae (F). <i>Suberites</i> sp. (C), <i>Serpula</i> sp. (F), <i>Munida rugosa</i> (F), <i>Buccinum undatum</i> (O), <i>Antedon bifida</i> (F), <i>Asterias rubens</i> (F), <i>Echinus esculentus</i> (F)	SS.SMx.CMx.OphMx	
		G	Gravel with <i>Suberites</i> sp. (F), <i>Ophiothrix fragilis</i> (O), <i>Echinus esculentus</i> (O)	SS.SCS.CCS	

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL55 #1	219_101#1	G M	?SS.SMu.CSaMu.AfilNten echiuran mounds, <i>Cerianthus lloydii</i> (F), <i>Paguridae</i> sp. (F), <i>Pagurus bernhardus</i> (O), <i>Munida rugosa</i> (C), <i>Cancer pagurus</i> (F), <i>Liocarcinus depurator</i> (F), <i>Liocarcinus marmoreus</i> (F), <i>Asterias rubens</i> (F), <i>Amphiura</i> sp. (F), <i>Limanda limanda</i> (F), <i>Pachycerianthus multiplicatus</i> (F)	SS.SMu.CSaMu.AfilMysAnit	PM
LL56 #1	219_102#1	(g)M	?SS.SMu.CSaMu.AfilNten. <i>Corymorpha nutans</i> (O), <i>Cerianthus lloydii</i> (F), <i>Protanthea simplex</i> (O), <i>Polychaetes</i> (A), <i>Munida rugosa</i> (F), <i>Liocarcinus depurator</i> (F), <i>Asterias rubens</i> (C), <i>Ophiothrix fragilis</i> (F), <i>Amphiura</i> sp. (F), <i>Ophiura ophiura</i> (F)	SS.SMu.CSaMu.AfilMysAnit	
LL57 #1	219_106#1	M	Mud with seapens <i>Virgularia mirabilis</i> (O), <i>Pachycerianthus multiplicatus</i> (O), <i>Paguridae</i> sp. (F), <i>Liocarcinus depurator</i> (F), <i>Asterias rubens</i> (F), <i>Amphiura</i> sp. (A), <i>Echinus esculentus</i> (F)	SS.SMu.CSaMu.AfilNten	
LL58 #1	219_103#1	(s) g M sh	Dead <i>Arctica islandica</i> , <i>Cerianthus lloydii</i> (C), <i>Protanthea simplex</i> (O), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (F), <i>Liocarcinus depurator</i> (O), <i>Liocarcinus marmoreus</i> (O)	SS.SMx.CMx.CiloMx	
		m G R	<i>Modiolus</i> present ? <i>Protanthea simplex</i> (A), <i>Munida rugosa</i> (O), <i>Echinus esculentus</i> (F)	CR.LCR.BrAs.NeoPro	
		g M sh	<i>Protanthea simplex</i> (F), <i>Munida rugosa</i> (F), <i>Liocarcinus marmoreus</i> (F), <i>Echinus esculentus</i> (F)	SS.SMx.CMx	
LL59 #1	219_105#1	M	Poor visibility. Mud with, <i>Euphausiidae</i> sp. (F), <i>Mundia rugosa</i> (O), <i>Liocarcinus marmoreus</i> (O)	SS.SMu.CFiMu	BM?
L59 #2	219_105#2	(s) M sh	Mud with burrows few sea pens; echiuran mounds? Dead <i>Arctica islandica</i> . <i>Cerianthus lloydii</i> (F), <i>Protanthea simplex</i> (C), <i>Paguridae</i> sp (F), <i>Munida rugosa</i> (F), <i>Buccinum undatum</i> (O)	SS.SMu.CFiMu.MegMax	BM
		mR	Vertical rock with mud veneer <i>Protanthea simplex</i> (A), <i>Mundia rugosa</i> (F), <i>Asterias rubens</i> (F), <i>Ophiocomina nigra</i> (F), <i>Ciona intestinalis</i> (F)	CR.LCR.BrAs.NeoPro	
		G M sh	Mud veneer over cobbles and pebbles. <i>Cerianthus lloydii</i> (C), <i>Protanthea simplex</i> (C), <i>Mundia rugosa</i> (F) <i>Liocarcinus depurator</i> (O), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (C)	SS.SMx.CMx	

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL60 #1	219_104#1	s M sh	Sandy mud with <i>Cerianthus lloydii</i> (C), <i>Paguridae</i> sp. (F), <i>Liocarcinus depurator</i> (F), <i>Liocarcinus marmoreus</i> (F), <i>Gracilechinus acutus</i> (F), <i>Echinus esculentus</i> (F)	SS.SMu.CSaMu	
LL61 #1	219_023#1	M	Poor visibility.mud with <i>Cerianthus lloydii</i> (F), <i>Pandalus montagui</i> (O), <i>Euphausiidae</i> sp. (F). <i>Nephrops norvegicus</i> (O), <i>Munida rugosa</i> ©, <i>Liocarcinus marmoreus</i> (O), <i>Echinus esculentus</i> (O)	SS.SMu.CFiMu	BM?
LL62 #2	219_024#2	(s) m G	Muddy gravel with <i>Alcyonium digitatum</i> (O), <i>Serpulidae</i> sp. (C), <i>Serpula</i> sp. (F), <i>Atelecyclus rotundatus</i> (O), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (O), <i>Ciona intestinalis</i> (F)	SS.SMx.CMx	
		s G	Sandy gravel with <i>Alcyonium digitatum</i> (O), <i>Serpulidae</i> sp. (F), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (O), <i>Ciona intestinalis</i> (F)	SS.SCS.CCS	
		G R	Vertical rock face and boulders. Muddy sand veneer over rock in places. <i>Alcyonium digitatum</i> (F), <i>Serpulidae</i> sp. (F), <i>Antedon bifida</i> (O), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (F), <i>Ciona intestinalis</i> (O), <i>Ascidella</i> sp. (F)	CR.MCR.EcCr.AdigVt	
		(s) m G	Muddy gravel with <i>Alcyonium digitatum</i> (F), <i>Protanthea simplex</i> (O), <i>Serpulidae</i> sp. (F), <i>Munida rugosa</i> (O), <i>Antedon bifida</i> (F), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (F), <i>Ciona intestinalis</i> (O), <i>Ascidella</i> sp. (F)	SS.SMx.CMx	
		M G R	?CR.LCR.BrAs.AmenCio. <i>Alcyonium digitatum</i> (O), <i>Protanthea simplex</i> ©, <i>Serpulidae</i> sp. (F), <i>Antedon bifida</i> (F), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (O), <i>Ciona intestinalis</i> (F), <i>Ascidella</i> sp. (O)	CR.LCR.BrAs.NeoPro	
LL63 #1	219_025#1	M	Mud with <i>Metridium senile</i> (O), <i>Actiniaria</i> sp. (O), <i>Virgularia mirabilis</i> (O), burrows, <i>Munida rugosa</i> (O), <i>Asterias rubens</i> (O)	SS.SMu.CFiMu.SpnMeg	BM
LL64 #1	219_026#1	M	Mud with a few seapens present; burrows present, <i>Cerianthus lloydii</i> (O), <i>Pachycerianthus multiplicatus</i> (O), <i>Munida rugosa</i> (C), <i>Asterias rubens</i> (O).	SS.SMu.CFiMu.(SpnMeg)	BM
LL65 #1	219_027#1	s G	Sandy gravel. Poor visibility. <i>Asterias rubens</i> (O), <i>Liocarcinus marmoreus</i> (O), <i>Liocarcinus depurator</i> (O)	SS.SCS.CCS	

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
LL66 #1	219_028#1	sM	Sandy mud with <i>Cerianthus lloydii</i> (F), <i>polychaetes</i> (A), <i>Pandalus montagui</i> (C), <i>Asterias rubens</i> (O)	SS.SMu.ISaMu.(NhomMac)	
LL67 #1	219_029#1	g M R sh	Silty veneer over boulders and bedrock. <i>Protanthea simplex</i> (A), <i>Munida rugosa</i> (O)	CR.LCR.BrAs.NeoPro	
		sM	Sandy mud with <i>Cerianthus lloydii</i> (O), <i>Protanthea simplex</i> (O), <i>Munida rugosa</i> (O), <i>Asterias rubens</i> (O)	SS.SMu.CSaMu	
LL68 # 1	219_030#1	gM SH	Silty veneer over shell and gravel. <i>Cerianthus lloydii</i> (O), <i>Liocarcinus</i> sp. (F), <i>Protanthea simplex</i> (A), <i>Munida rugosa</i> (O), <i>Liocarcinus depurator</i> & <i>Asterias rubens</i> (O)	SS.SMx.CMx	
		M	Mud with burrows,, <i>Cerianthus lloydii</i> , <i>Nephrops norvegicus</i> , <i>Munida rugosa</i> , <i>Liocarcinus</i> sp. <i>Liocarcinus depurator</i> , <i>Asterias rubens</i> , <i>Limanda limanda</i> (all O)	SS.SSa.CFiMu	
LL69#1	219_031#1	s G R	Algae on bedrock. <i>Asterina gibbosa</i> (O), <i>Asterias rubens</i> (O)	CR.MCR.EcCr.FaAlCr	
		G sh	Gravel with <i>Saccharina latissima</i> (C), <i>Liocarcinus</i> sp. (O), <i>Liocarcinus depurator</i> (O), <i>Liocarcinus marmoreus</i> (O), <i>Asterias rubens</i> (O)	SS.SCS.CCS	
		s G R	Algae on bedrock, <i>Protanthea simplex</i> (F), <i>Asterina gibbosa</i> (O)	CR.MCR.EcCr.FaAlCr	
		m G sh	Mixed gravel with <i>Protanthea simplex</i> (C), <i>Liocarcinus</i> sp. (O), <i>Asterias rubens</i> (O)	SS.SMx.CMx	
LL70 #1	219_032#1	gM sh	<i>Protanthea simplex</i> (O), <i>Liocarcinus</i> sp. (C), <i>Liocarcinus corrugatus</i> (O), <i>Modiolus modiolus</i> (O), <i>Asterias rubens</i> (O)	SS.SMx.CMx	
LL71 #1	219_002#1	M sh	Algae, <i>Galatheididae</i> sp. (O), <i>Ophiura albida</i> (O)	SS.SMx.CMx	
		Sh M	Algae, <i>Galatheididae</i> sp. (O), <i>Corystes cassivelaunus</i> (O), <i>Crossaster papposus</i> (O)	SS.SSa.CMuSa	
		Sh sM	Mixed sediment algae, <i>Galatheididae</i> sp. (F)	SS.SMx.CMx	
LL72#1	219_006#1	mS sh water column (s) M	Mixed sediment algae. Poor visibility NA Muddy sand with burrows, <i>Turitella communis</i> (O), <i>Astropecten irregularis</i> (O), <i>Amphiura</i> sp. (C)	SS.SMx.CMx NA SS.SSa.CMuSa.AbraAirr	

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
CS01 #1	219_046#1	G R Sh	Algae dominant, with IR.HIR.KSed.Sac at very start. Mixed with SS.SMp.KSwSS.LsacR. <i>Phymatolithon calcareum</i> (A), <i>Chromophycota</i> sp. (F), <i>Desmarestia dresnayi</i> (O), <i>Chorda filum</i> (O), <i>Saccharina latissima</i> (A), <i>Halidrys siliquosa</i> (C), <i>Himanthalia elongata</i> (O), <i>Cerianthus lloydii</i> (C), encrusting bryozoans (C), <i>Asterias rubens</i> (O), <i>Marthasterias glacialis</i> (O), <i>Echinus esculentus</i> (O)	SS.SMpMrl.Pcal.R (dead)	MB
CS02 #2	219_046#2	sG Sh	Algae dominant, <i>Chromophycota</i> sp. (F), <i>Desmarestia dresnayi</i> (O), <i>Chorda filum</i> (O), <i>Saccharina latissima</i> (A), <i>Halidrys siliquosa</i> (C), encrusting bryozoans (C), <i>Marthasterias glacialis</i> (O)	SS.SMp.KSwSS.LsacR	KS
CS01 #3	219_046#3	sG Sh	<i>Chromophycota</i> sp. (F), <i>Desmarestia dresnayi</i> (O), <i>Chorda filum</i> (O), <i>Saccharina latissima</i> (O), <i>Cerianthus lloydii</i> (C), encrusting bryozoans ©, <i>Asterias rubens</i> (O)	SS.SMpMrl.Pcal.R (dead)	MB
		S Sh	Sand & algae, <i>Chromophycota</i> sp. (O), <i>Cerianthus lloydii</i> ©	SS.SMp.KSwSS.LsacR	KS
CS02 #1	219_048#1	S Sh	Sand with algae dominant, <i>Chromophycota</i> sp. (O), <i>Chorda filum</i> (O), <i>Saccharina latissima</i> (O), <i>Paguridae</i> sp. (O), <i>Modiolus modiolus</i> (O), encrusting bryozoans (O), <i>Luidia ciliaris</i> (O), <i>Marthasterias glacialis</i> (O)	SS.SMp.KSwSS.LsacR	KS
CS03 #1	219_049#1	sM Sh	Sandy mud with <i>Paguridae</i> sp. (F), <i>Pagurus bernhardus</i> (F), <i>Munida rugosa</i> (C), <i>Liocarcinus</i> sp. (O), <i>Munida rugosa</i> (C), <i>Porania pulvillus</i> (O)	SS.SMu.CSaMu	
CS04 1	219_050#1	sM Sh	Sandy mud with <i>Munida rugosa</i> (C), <i>Porania pulvillus</i> (O)	SS.SMu.CSaMu	
CS05 #1	219_051#1	(m) s G sh	Mixed sediment with <i>Nemertesia antennina</i> (O), <i>Cerianthus lloydii</i> (A), <i>Serpula vermicularis</i> (C), <i>Cancer pagurus</i> (O), <i>Liocarcinus depurator</i> (O), <i>Munida rugosa</i> (C), <i>Porania pulvillus</i> (O), <i>Marthasterias glacialis</i> (F)	SS.SMx.CMx.ClloMx	
CS06 #1	219_052#1	M Sh	Mud with dead <i>Arctica islandica</i> , <i>Cerianthus lloydii</i> (O), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (F), <i>Munida rugosa</i> ©, <i>Porania pulvillus</i> (O), <i>Asterias rubens</i> (O)	SS.SMu.CFiMu	BM?
		G M Sh	Mixed sediment. Dead <i>Arctica islandica</i> , <i>Cerianthus lloydii</i> (O), <i>Munida rugosa</i> (F), <i>Liocarcinus depurator</i> (O), <i>Munida rugosa</i> (C), <i>Porania pulvillus</i> (O), <i>Asterias rubens</i> (O)	SS.SMx.CMx	

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
CS10 #1	219_053#1	M	Mud with <i>Munida rugosa</i> (F), <i>Liocarcinus</i> sp. (O), <i>Liocarcinus depurator</i> (O)	SS.SMu.CFiMu	BM?
		G M Sh	Mixed sediment with <i>Munida rugosa</i> (O), <i>Cancer pagurus</i> (O), <i>Liocarcinus</i> sp. (O), <i>Echinus esculentus</i> (O)	SS.SMx.CMx	
		M	Mud with <i>Munida rugosa</i> (O), <i>Liocarcinus</i> sp. (O), <i>Chelidonichthys cuculus</i> (O)	SS.SMu.CFiMu	BM?
CS13 #1	219_054#1	mS Sh	Mixed sediment with <i>Desmarestia dresnayi</i> (O), <i>Laminaria</i> sp. (O), <i>hydroid</i> sp (C), <i>Nemertesia antennina</i> (O), <i>Nemertesia ramosa</i> (O), <i>Liocarcinus depurator</i> (O), <i>Ophiura ophiura</i> (C)	SS.SMx.CMx	KS
		mS R	Sandy mud with algae dominant, hydroid sp (C), <i>Nemertesia antennina</i> (O), <i>Nemertesia ramosa</i> (O), <i>Ophiura ophiura</i> (O), <i>Chelidonichthys cuculus</i> (O)	SS.SMp.KSwSS.(Pcri)	
		mS Sh	Muddy sand with algae (O), hydroid sp (O), <i>Nemertesia antennina</i> (C), <i>Nemertesia ramosa</i> (O), <i>Asterias rubens</i> (O), <i>Ophiura ophiura</i> (O)	SS.SSa.CMuSa	
CS14 #1	219_055#1	sR	Bedrock with hydroid sp (O), <i>Nemertesia antennina</i> (O), <i>Nemertesia ramosa</i> (C), <i>Munida rugosa</i> (O), <i>Porania pulvillus</i> (O), <i>Asterias rubens</i> (O), <i>Echinus esculentus</i> (F), <i>Ciona intestinalis</i> (O)	CR.LCR.BrAs	
		(g)mS	Mixed sediment with <i>Nemertesia ramosa</i> (O), <i>Cerianthus lloydii</i> (C), <i>Munida rugosa</i> (O), <i>Pecten maximus</i> (O), <i>Porania pulvillus</i> (O)	SS.SMx.CMx	
CS15 #1	219_056#1	(g)mS	Muddy sand with <i>Nemertesia antennina</i> (O), <i>Nemertesia ramosa</i> (O), <i>Cerianthus lloydii</i> (F), <i>Paguridae</i> sp. (O), <i>Munida rugosa</i> (O), <i>Liocarcinus depurator</i> (O)	SS.SSa.CMuSa	BM?
		sM	Possible Echiuran mounds., <i>Nemertesia antennina</i> (O), <i>Cerianthus lloydii</i> (O), <i>Urticina eques</i> (O), <i>Munida rugosa</i> (O), <i>Porania pulvillus</i> (O), <i>Asterias rubens</i> (F)	SS.SMu.CFiMu	
		sR	?CR.LCR.BrAs.AntAsH, <i>Anthozoa</i> sp. (F), <i>Urticina eques</i> (A), <i>Polydora</i> sp. (C), <i>Munida rugosa</i> (O), <i>Securiflustra securifrons</i> (O), <i>Antedon bifida</i> (A), <i>Porania pulvillus</i> (O), <i>Asterias rubens</i> (O), <i>Ophiothrix fragilis</i> (F), <i>Echinus esculentus</i> (O)	CR.MCR.EcCr.UrtScr	
		sM	Sandy mud with <i>Cerianthus lloydii</i> (O), <i>Munida rugosa</i> (C),	SS.SMu.CSaMu	

Site	Sample Number	Substrate	Biota	Biotopes	PMFs
CS43 #1	219_041#1	sG	SS.SMp.KSwSS.LsacR.Gv ? <i>Serpula vermicularis</i> (O), <i>Liocarcinus pusillus</i> (O), <i>Stichastrella rosea</i> (O)	SS.SCS.ICS	
CS44 #1	219_040#1	gS R	<i>Chromophycota</i> sp. (C), <i>Desmarestia dresnayi</i> (O), <i>Alaria esculenta</i> (O), <i>Laminaria hyperborea</i> (C), <i>Saccharina latissima</i> (A), <i>Halidrys siliquosa</i> (C)	SS.SMp.KSwSS.LsacR.Gv	
CS45#1	219_042#1	M	Mud with very few seapens	SS.SMu.CFiMu.(SpnMeg)	
CS46 #1	219_043#1	mS R	Mixed sediment. Patchy with SS.SMx.CMx, <i>Galatheidae</i> sp. (C), <i>Ophiuridae</i> sp. (C)	SS.SMx.CMx.OphMx	
		s m G	Mixed sediment with boulders, <i>Galatheidae</i> sp. ©, <i>Gracilechinus acutus</i> (O), <i>Lumpenus lampretaeformis</i> (O)	SS.SMx.CMx	
CS47 #1	219_044#1	(s) M Sh	Sandy mud with burrows, <i>Galatheidae</i> sp. (F), <i>Stichastrella rosea</i> (O)	SS.SMu.CSaMu	
CS48#1	219_045#1	G	Gravel and boulders <i>Chromophycota</i> sp. (C), <i>Laminaria</i> sp. (C), <i>Saccharina latissima</i> (O), <i>Himanthalia elongata</i> (O), <i>Gracilechinus acutus</i> (O)	IR.HIR.KSed.Sac	
		G	Gravel and maerl bed, <i>Phymatolithon calcareum</i> (C)	SS.SMpMrl.Pcal.R (dead)	
CS49#1	219_047#1	S Sh	Mounds and <i>Chromophycota</i> sp. (O)	SS.SSa.IFiSa	
CS50 #1	219_057#1	s M sh	Poor visibility in places. Sandy mud with <i>Nemertesia antennina</i> (O), <i>Cerianthidae</i> sp. (F), <i>Galatheidae</i> sp. (O), <i>Flustra foliacea</i> (O), <i>Stichastrella rosea</i> (O)	SS.SMu.CSaMu	
		(m) g S R	<i>Nemertesia antennina</i> (F), <i>Cerianthidae</i> sp.(F), <i>Galatheidae</i> sp. (F), <i>Flustra foliacea</i> (O), <i>Stichastrella rosea</i> (O)	SS.SCS.CCS.(Gr)	
		sR	Bedrock with <i>Nemertesia antennina</i> (C), <i>Urticina</i> sp. (A), <i>Serpula vermicularis</i> (O), <i>Galatheidae</i> sp. (O), <i>Flustra foliacea</i> (O), <i>Crinoidea</i> sp. (F), <i>Astropecten irregularis</i> (O), <i>Stichastrella rosea</i> (O), <i>Gracilechinus acutus</i> (C)	CR.MCR.EcCr.UrtScr	
		(m) g S R	<i>Cerianthidae</i> sp. (O), <i>Anemonia viridis</i> (F), <i>Urticina</i> sp. (C), <i>Galatheidae</i> sp. (C), <i>Liocarcinus depurator</i> (O), <i>Stichastrella rosea</i> (F), <i>Gracilechinus acutus</i> (O)	SS.SCS.CCS.(Gr)	
		sR	Bedrock with <i>Halecium</i> sp. (C), <i>Nemertesia ramosa</i> (A), <i>Urticina</i> sp. (C), <i>Serpula vermicularis</i> (O), <i>Galatheidae</i> sp. (O), <i>Bathynectes longipes</i> (O), <i>Astropecten irregularis</i> (O), <i>Stichastrella rosea</i> (O), <i>Ophiuridae</i> sp. (C)	CR.MCR.EcCr.UrtScr	

ANNEX E: DROP-DOWN VIDEO STILL PHOTOGRAPHY FIELD LOG

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL03	219_001#1_002	11:30:23	04/08/2010	380563.21	6179822.61	27.00	mS G	SS.SMx.CMx
LL03	219_001#2_002	11:41:25	04/08/2010	380494.08	6179867.88	18.00	mS G	SS.SMx.CMx.ClloMx
LL03	219_001#2_003	11:41:55	04/08/2010	380498.56	6179869.48	18.00	mS G	SS.SMx.CMx.ClloMx
LL03	219_001#2_004	11:42:50	04/08/2010	380505.23	6179874.71	19.00	mS G	SS.SMx.CMx.ClloMx
LL03	219_001#2_005	11:43:43	04/08/2010	380514.78	6179875.22	20.00	mS G	SS.SMp.KSwSS
LL03	219_001#2_006	11:44:42	04/08/2010	380526.49	6179876.04	22.00	mS G	SS.SMx.CMx.ClloMx
LL03	219_001#2_007	11:45:14	04/08/2010	380530.76	6179876.62	22.00	mS G	SS.SMx.CMx.ClloMx
LL03	219_001#2_008	11:46:20	04/08/2010	380540.76	6179880.12	24.00	mS G	SS.SMx.CMx
LL03	219_001#2_009	11:48:07	04/08/2010	380558.85	6179868.46	26.00	mS G	SS.SMx.CMx.ClloMx
LL03	219_001#2_010	11:48:20	04/08/2010	380560.89	6179867.92	26.00	mS G	SS.SMx.CMx
LL03	219_001#2_011	11:49:10	04/08/2010	380569.65	6179860.78	26.00	mS G	SS.SMx.CMx
LL03	219_001#2_012	11:50:30	04/08/2010	380585.51	6179863.88	27.00	mS G	SS.SMx.CMx
LL03	219_001#2_013	11:51:54	04/08/2010	380599.43	6179859.04	28.00	mS G	SS.SMx.CMx
LL03	219_001#2_014	11:52:50	04/08/2010	380611.60	6179857.93	28.00	mS G	SS.SMx.CMx
LL03	219_001#2_015	11:53:33	04/08/2010	380618.20	6179856.71	28.00	mS G	SS.SMx.CMx
LL03	219_001#2_016	11:54:21	04/08/2010	380630.58	6179853.97	28.00	mS G	SS.SMx.CMx
LL03	219_001#3_002	12:16:05	04/08/2010	380577.73	6179824.70	28.00	mS G	SS.SMx.CMx
LL03	219_001#3_003	12:17:10	04/08/2010	380593.81	6179818.74	28.00	mS G	SS.SMx.CMx
LL03	219_001#3_004	12:17:55	04/08/2010	380602.84	6179814.01	26.00	mS G	SS.SMx.CMx
LL03	219_001#3_005	12:18:36	04/08/2010	380612.34	6179808.94	27.00	mS G	SS.SMx.CMx
LL03	219_001#3_006	12:19:27	04/08/2010	380626.98	6179803.90	27.00	mS G	SS.SMx.CMx
LL71	219_002#1_002	12:33:05	04/08/2010	378153.76	6176949.91	30.00	mSh	SS.SMx.CMx
LL71	219_002#1_003	12:33:25	04/08/2010	378156.71	6176945.70	30.00	mSh	SS.SMx.CMx
LL71	219_002#1_004	12:34:16	04/08/2010	378169.99	6176937.39	30.00	mSh	SS.SMx.CMx
LL71	219_002#1_005	12:35:00	04/08/2010	378181.71	6176933.90	30.00	sm G Sh	SS.SMx.CMx
LL71	219_002#1_006	12:35:44	04/08/2010	378186.27	6176928.40	30.00	sM (g)	SS.SMu.CSaMu
LL71	219_002#1_007	12:36:46	04/08/2010	378197.82	6176921.93	29.00	sM (g)	SS.SMu.CSaMu
LL71	219_002#1_008	12:37:46	04/08/2010	378211.99	6176916.65	29.00	sM	SS.SMu.CSaMu
LL04	219_003#1_002	14:14:23	04/08/2010	380959.12	6180847.07	10.00	mS G	SS.SMx.CMx.ClloMx
LL04	219_003#1_003	14:14:48	04/08/2010	380963.38	6180845.94	10.00	mS G	SS.SMx.CMx.ClloMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL04	219_003#1_004	14:15:13	04/08/2010	380963.25	6180844.18	11.00	mS G	SS.SMx.CMx.CloMx
LL04	219_003#1_005	14:15:37	04/08/2010	380970.36	6180836.94	11.00	mS G	SS.SMx.CMx.CloMx
LL04	219_003#1_006	14:16:32	04/08/2010	380963.02	6180831.83	12.00	mS G	SS.SMx.CMx.CloMx
LL04	219_003#1_007	14:17:45	04/08/2010	380969.49	6180834.31	no depth	mS G	SS.SMx.CMx.CloMx.Nem
LL04	219_003#1_008	14:18:23	04/08/2010	380971.43	6180840.86	15.00	mS G	SS.SMx.CMx
LL04	219_003#1_009	14:19:09	04/08/2010	380974.71	6180832.66	15.00	mS G	SS.SMx.CMx.CloMx
LL04	219_003#1_010	14:20:18	04/08/2010	380980.27	6180833.38	16.00	mS G	SS.SMx.CMx.CloMx
LL04	219_003#1_011	14:20:48	04/08/2010	380981.68	6180838.42	17.00	mS G	SS.SMx.CMx.CloMx
LL04	219_003#1_012	14:21:35	04/08/2010	380981.88	6180845.62	18.00	mS G	SS.SMx.CMx.CloMx.Nem
LL04	219_003#1_013	14:21:53	04/08/2010	380981.80	6180844.32	18.00	mS G	SS.SMx.CMx.CloMx.Nem
LL04	219_003#1_014	14:23:06	04/08/2010	380994.01	6180845.41	20.00	mS G	SS.SMx.CMx.CloMx.Nem
LL04	219_003#1_015	14:24:10	04/08/2010	381003.42	6180847.75	no depth	mS G	SS.SMx.CMx.CloMx
LL04	219_003#1_016	14:25:22	04/08/2010	381006.73	6180830.73	25.00	mS G	SS.SMx.CMx
LL04	219_003#1_017	14:26:15	04/08/2010	381008.24	6180825.58	26.00	mS G	SS.SMx.CMx
LL04	219_003#1_018	14:26:40	04/08/2010	381009.81	6180823.58	26.00	mS G	SS.SMx.CMx
LL04	219_003#1_019	14:28:04	04/08/2010	381019.23	6180806.51	27.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL04	219_003#1_020	14:28:46	04/08/2010	381023.25	6180804.78	28.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL04	219_003#1_021	14:30:33	04/08/2010	381038.43	6180785.06	28.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL04	219_003#1_022	14:31:19	04/08/2010	381040.94	6180781.02	28.00	sM	SS.SMu.CSaMu
LL04	219_003#1_023	14:32:55	04/08/2010	381060.60	6180770.31	no depth	sM	SS.SMu.CSaMu
LL04	219_003#1_024	14:33:28	04/08/2010	381066.77	6180767.03	29.00	sM	SS.SMu.CSaMu
LL04	219_003#1_025	14:33:58	04/08/2010	381074.68	6180763.79	29.00	sM	SS.SMu.CSaMu
LL04	219_003#1_026	14:34:31	04/08/2010	381081.10	6180759.72	29.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL04	219_003#1_027	14:34:53	04/08/2010	381085.47	6180756.07	29.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL04	219_003#1_028	14:35:03	04/08/2010	381086.96	6180754.76	29.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL04	219_003#1_029	14:37:15	04/08/2010	381118.15	6180739.57	32.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_002	15:07:34	04/08/2010	381090.32	6184238.69	22.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_003	15:09:04	04/08/2010	381103.13	6184229.76	25.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_004	15:09:46	04/08/2010	381111.83	6184226.59	26.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_005	15:10:21	04/08/2010	381117.36	6184220.72	26.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_006	15:12:04	04/08/2010	381130.22	6184213.48	28.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_007	15:13:10	04/08/2010	381142.06	6184211.31	29.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_008	15:14:49	04/08/2010	381160.56	6184207.22	30.00	sM	SS.SMu.CSaMu.AfilMysAnit

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL05	219_004#1_009	15:15:48	04/08/2010	381169.93	6184206.96	31.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_010	15:16:34	04/08/2010	381176.05	6184203.82	32.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_011	15:16:56	04/08/2010	381179.94	6184204.96	32.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_012	15:18:06	04/08/2010	381198.86	6184194.25	32.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_013	15:19:23	04/08/2010	381198.09	6184199.47	33.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL05	219_004#1_014	15:20:06	04/08/2010	381206.49	6184191.12	34.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL06	219_005#1_002	15:33:52	04/08/2010	381247.89	6184629.34	34.00	sM	SS.SMx.CMx
LL06	219_005#1_003	15:35:03	04/08/2010	381284.69	6184622.87	34.00	sM	SS.SMx.CMx
LL06	219_005#1_004	15:35:22	04/08/2010	381293.56	6184620.69	no depth	sM	SS.SMx.CMx
LL06	219_005#1_005	15:36:12	04/08/2010	381311.84	6184613.99	38.00	sM	SS.SMu.CSaMu
LL06	219_005#1_006	15:37:18	04/08/2010	381333.26	6184605.37	40.00	sM	SS.SMu.CSaMu
LL06	219_005#2_002	15:47:23	04/08/2010	381148.71	6184721.28	30.00	sM	SS.SMx.CMx
LL06	219_005#2_003	15:48:15	04/08/2010	381177.88	6184711.79	30.00	sM	SS.SMx.CMx
LL06	219_005#2_004	15:48:34	04/08/2010	381191.36	6184709.01	30.00	sM	SS.SMx.CMx
LL06	219_005#2_005	15:49:48	04/08/2010	381242.58	6184699.76	32.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL06	219_005#2_006	15:50:22	04/08/2010	381268.25	6184697.22	33.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL06	219_005#2_007	15:51:05	04/08/2010	381295.33	6184694.97	36.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL06	219_005#2_008	15:51:22	04/08/2010	381307.38	6184695.07	36.00	sM	SS.SMx.CMx
LL72	219_006#1_002	16:16:59	04/08/2010	381098.92	6183084.58	27.00	sM	SS.SMu.CSaMu.AfilNten
LL72	219_006#1_003	16:17:26	04/08/2010	381107.27	6183087.96	28.00	mS	SS.SSa.CMuSa
LL07	219_007#1_002	10:57:14	05/08/2010	382305.64	6184581.28	45.00	M	SS.SMu.CFiMu
LL07	219_007#1_003	10:57:59	05/08/2010	382316.63	6184572.57	45.00	M	SS.SMu.CFiMu
LL07	219_007#1_004	10:58:14	05/08/2010	382320.00	6184569.46	45.00	M	SS.SMu.CFiMu
LL07	219_007#1_005	10:58:35	05/08/2010	382324.43	6184565.14	45.00	M	SS.SMu.CFiMu
LL07	219_007#1_006	10:59:08	05/08/2010	382330.90	6184559.04	45.00	M	SS.SMu.CFiMu
LL07	219_007#1_007	10:59:38	05/08/2010	382335.70	6184554.41	45.00	M	SS.SMu.CFiMu
LL07	219_007#1_008	11:00:28	05/08/2010	382345.65	6184545.34	45.00	M	SS.SMu.CFiMu
LL07	219_007#1_009	11:00:51	05/08/2010	382350.87	6184540.83	45.00	M	SS.SMu.CFiMu
LL07	219_007#1_011	11:02:30	05/08/2010	382371.71	6184522.21	45.00	M	SS.SMu.CFiMu
LL07	219_007#1_012	11:02:58	05/08/2010	382377.38	6184516.56	45.00	M	SS.SMu.CFiMu
LL28	219_008#1_002	11:58:50	05/08/2010	378912.51	6193551.63	35.00	M	SS.SMu.CFiMu
LL28	219_008#1_003	11:59:30	05/08/2010	378924.03	6193542.53	35.00	M	SS.SMu.CFiMu
LL28	219_008#1_004	11:59:49	05/08/2010	378928.15	6193536.89	35.00	M	SS.SMu.CFiMu.SpnMeg
LL28	219_008#1_005	12:00:08	05/08/2010	378931.26	6193531.92	35.00	M	SS.SMu.CFiMu
LL28	219_008#1_006	12:00:34	05/08/2010	378934.27	6193526.90	34.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL28	219_008#1_007	12:00:45	05/08/2010	378935.38	6193524.76	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_008	12:01:52	05/08/2010	378937.08	6193507.28	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_009	12:02:14	05/08/2010	378940.81	6193504.70	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_010	12:02:50	05/08/2010	378947.36	6193499.55	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_011	12:03:19	05/08/2010	378953.00	6193494.65	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_012	12:04:09	05/08/2010	378962.83	6193486.22	33.00	M	SS.SMu.CFiMu
LL28	219_008#1_013	12:04:53	05/08/2010	378968.72	6193479.44	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_014	12:05:05	05/08/2010	378969.38	6193476.69	33.00	M	SS.SMu.CFiMu
LL28	219_008#1_015	12:06:12	05/08/2010	378980.95	6193469.26	33.00	M	SS.SMu.CFiMu
LL28	219_008#1_016	12:07:05	05/08/2010	378995.85	6193460.58	33.00	M	SS.SMu.CFiMu
LL28	219_008#1_017	12:07:15	05/08/2010	378998.04	6193459.07	33.00	M	SS.SMu.CFiMu
LL28	219_008#1_018	12:07:43	05/08/2010	379003.04	6193455.61	33.00	M	SS.SMu.CFiMu
LL28	219_008#1_019	12:08:41	05/08/2010	379012.62	6193448.23	33.00	M	SS.SMu.CFiMu
LL28	219_008#1_020	12:09:13	05/08/2010	379017.52	6193444.72	33.00	M	SS.SMu.CFiMu
LL28	219_008#1_021	12:10:31	05/08/2010	379031.33	6193432.25	33.00	M	SS.SMu.CFiMu
LL28	219_008#1_022	12:11:40	05/08/2010	379040.10	6193420.98	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_023	12:12:06	05/08/2010	379045.17	6193416.92	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_024	12:13:05	05/08/2010	379053.35	6193408.56	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_025	12:13:34	05/08/2010	379056.30	6193406.06	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_026	12:14:12	05/08/2010	379062.24	6193399.95	34.00	M	SS.SMu.CFiMu
LL28	219_008#1_027	12:14:45	05/08/2010	379068.60	6193393.60	34.00	M	SS.SMu.CFiMu
LL29	219_009#1_002	12:36:41	05/08/2010	377638.10	6194984.09	11.00	SG	SS.SMx.CMx.CloMx
LL29	219_009#1_003	12:37:07	05/08/2010	377646.49	6194990.63	12.00	SG	SS.SMx.CMx.CloMx
LL29	219_009#1_004	12:37:39	05/08/2010	377655.31	6194999.70	12.00	SG	SS.SMx.CMx.CloMx
LL29	219_009#1_005	12:38:08	05/08/2010	377663.72	6195009.43	12.00	SG	SS.SMx.CMx
LL29	219_009#1_006	12:38:46	05/08/2010	377674.50	6195023.33	12.00	SG	SS.SMx.CMx
LL29	219_009#1_007	12:39:44	05/08/2010	377688.53	6195035.96	12.00	SG	SS.SMx.CMx
LL29	219_009#1_008	12:40:11	05/08/2010	377695.77	6195039.93	12.00	SG	SS.SMx.CMx
LL29	219_009#1_009	12:40:46	05/08/2010	377704.64	6195043.92	12.00	SG	SS.SMx.CMx
LL29	219_009#1_010	12:40:59	05/08/2010	377708.11	6195045.48	12.00	SG	SS.SMx.CMx
LL29	219_009#1_011	12:41:19	05/08/2010	377714.29	6195049.30	12.00	SG	SS.SMx.CMx
LL29	219_009#1_012	12:42:17	05/08/2010	377727.70	6195059.28	12.00	SG	SS.SMx.CMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL30	219_010#1_002	13:32:54	05/08/2010	378819.47	6196409.88	43.00	M	SS.SMu.CFiMu
LL30	219_010#1_003	13:33:46	05/08/2010	378835.60	6196408.91	44.00	M	SS.SMu.CFiMu
LL30	219_010#1_004	13:35:10	05/08/2010	378863.18	6196391.19	44.00	M	SS.SMu.CFiMu
LL30	219_010#1_005	13:36:14	05/08/2010	378881.28	6196379.34	44.00	M	SS.SMu.CFiMu
LL30	219_010#1_006	13:36:37	05/08/2010	378889.30	6196375.03	43.00	M	SS.SMu.CFiMu.MegMax
LL30	219_010#1_007	13:36:53	05/08/2010	378894.25	6196371.70	43.00	M	SS.SMu.CFiMu.MegMax
LL30	219_010#1_008	13:38:01	05/08/2010	378908.20	6196358.45	43.00	M	SS.SMu.CFiMu
LL31	219_011#1_002	14:08:49	05/08/2010	381460.02	6199188.73	23.00	MG	SS.SMx.CMx
LL31	219_011#1_003	14:09:05	05/08/2010	381464.26	6199188.29	23.00	MG	SS.SMx.CMx
LL31	219_011#1_004	14:09:42	05/08/2010	381473.46	6199187.55	23.00	MG	SS.SMx.CMx
LL31	219_011#1_005	14:10:11	05/08/2010	381480.89	6199184.31	23.00	MG	SS.SMx.CMx
LL31	219_011#1_006	14:10:56	05/08/2010	381489.59	6199178.10	23.00	MG	SS.SMx.CMx
LL31	219_011#1_007	14:11:37	05/08/2010	381497.82	6199176.01	23.00	MG	SS.SMx.CMx
LL31	219_011#1_008	14:11:49	05/08/2010	381501.14	6199175.63	23.00	MG	SS.SMx.CMx
LL31	219_011#1_009	14:12:20	05/08/2010	381507.62	6199174.63	23.00	MG	SS.SMx.CMx
LL31	219_011#1_010	14:12:41	05/08/2010	381511.96	6199173.51	23.00	MG	SS.SMx.CMx
LL31	219_011#1_011	14:12:54	05/08/2010	381514.91	6199172.57	23.00	MG	SS.SMx.CMx
LL31	219_011#1_012	14:13:59	05/08/2010	381529.70	6199166.76	23.00	MG	SS.SMx.CMx
LL31	219_011#1_013	14:14:26	05/08/2010	381535.97	6199165.16	23.00	MG	SS.SMx.CMx
LL31	219_011#1_014	14:14:48	05/08/2010	381541.31	6199164.27	23.00	MG	SS.SMx.CMx
LL31	219_011#1_015	14:15:16	05/08/2010	381549.12	6199163.51	23.00	MG	SS.SMx.CMx
LL31	219_011#1_016	14:16:33	05/08/2010	381570.58	6199156.41	23.00	MG	SS.SMx.CMx
LL31	219_011#1_017	14:17:16	05/08/2010	381581.67	6199151.79	23.00	MG	SS.SMx.CMx
LL31	219_011#1_018	14:17:48	05/08/2010	381590.09	6199149.14	23.00	MG	SS.SMx.CMx
LL32	219_012#1_002	14:46:39	05/08/2010	381734.77	6201805.79	70.00	sM	SS.SMu.CSaMu
LL32	219_012#1_003	14:47:26	05/08/2010	381738.62	6201796.53	70.00	sM	SS.SMu.CSaMu
LL32	219_012#1_004	14:48:03	05/08/2010	381746.44	6201794.72	66.00	sM	SS.SMu.CSaMu
LL32	219_012#1_005	14:49:16	05/08/2010	381767.27	6201782.49	64.00	sM	SS.SMu.CSaMu
LL32	219_012#1_006	14:50:02	05/08/2010	381780.88	6201786.07	62.00	MG	SS.SMx.CMx
LL32	219_012#1_007	14:50:23	05/08/2010	381787.68	6201785.32	63.00	sM	SS.SMu.CSaMu
LL32	219_012#1_008	14:50:57	05/08/2010	381797.76	6201783.02	65.00	sM	SS.SMu.CSaMu
LL32	219_012#1_009	14:51:33	05/08/2010	381805.20	6201780.82	67.00	sM	SS.SMu.CSaMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL32	219_012#1_010	14:52:04	05/08/2010	381813.05	6201778.75	66.00	sM	SS.SMu.CSaMu
LL32	219_012#1_011	14:52:28	05/08/2010	381820.68	6201776.20	67.00	M	SS.SMu.CFiMu
LL32	219_012#1_012	14:52:43	05/08/2010	381824.40	6201774.78	67.00	M	SS.SMu.CFiMu
LL32	219_012#1_013	14:52:58	05/08/2010	381827.44	6201773.49	67.00	M	SS.SMu.CFiMu
LL32	219_012#1_014	14:53:25	05/08/2010	381832.32	6201756.94	67.00	M	SS.SMu.CFiMu
LL32	219_012#1_015	14:53:53	05/08/2010	381835.28	6201758.80	66.00	M	SS.SMu.CFiMu
LL32	219_012#1_016	14:54:06	05/08/2010	381837.26	6201760.23	66.00	M	SS.SMu.CFiMu.MegMax
LL32	219_012#1_017	14:54:24	05/08/2010	381838.29	6201773.31	66.00	M	SS.SMu.CFiMu
LL32	219_012#1_018	14:54:45	05/08/2010	381843.99	6201772.17	65.00	M	SS.SMu.CFiMu
LL32	219_012#1_019	14:55:04	05/08/2010	381850.14	6201770.52	64.00	M	SS.SMu.CFiMu
LL32	219_012#1_020	14:55:26	05/08/2010	381856.33	6201768.27	63.00	M	SS.SMu.CFiMu.MegMax
LL32	219_012#1_021	14:55:50	05/08/2010	381862.57	6201766.13	61.00	M	SS.SMu.CFiMu.MegMax
LL32	219_012#1_022	14:56:25	05/08/2010	381874.02	6201763.58	60.00	M	SS.SMu.CFiMu
LL32	219_012#1_023	14:56:57	05/08/2010	381884.95	6201760.53	58.00	M	SS.SMu.CFiMu
LL32	219_012#1_024	14:57:13	05/08/2010	381889.21	6201759.11	57.00	M	SS.SMu.CFiMu
LL32	219_012#1_025	14:57:34	05/08/2010	381894.51	6201757.87	57.00	M	SS.SMu.CFiMu
LL46	219_013#1_002	15:44:22	05/08/2010	380987.75	6205548.63	27.00	M	SS.SMu.CFiMu
LL46	219_013#1_003	15:44:53	05/08/2010	381000.41	6205547.82	27.00	M	SS.SMu.CFiMu
LL46	219_013#1_004	15:45:08	05/08/2010	381007.19	6205548.03	27.00	M	SS.SMu.CFiMu
LL46	219_013#1_005	15:45:41	05/08/2010	381022.82	6205549.62	27.00	M	SS.SMu.CFiMu
LL46	219_013#1_006	15:46:00	05/08/2010	381032.41	6205550.60	27.00	M	SS.SMu.CFiMu
LL46	219_013#1_007	15:47:22	05/08/2010	381073.05	6205550.89	26.00	M	SS.SMu.CFiMu
LL46	219_013#1_008	15:47:46	05/08/2010	381082.95	6205550.12	26.00	M	SS.SMu.CFiMu
LL46	219_013#1_009	15:48:36	05/08/2010	381104.26	6205546.65	27.00	M	SS.SMu.CFiMu
LL46	219_013#1_010	15:48:48	05/08/2010	381109.23	6205545.51	26.00	M	SS.SMu.CFiMu
LL46	219_013#1_011	15:51:29	05/08/2010	381169.59	6205526.18	26.00	M	SS.SMu.CFiMu
LL46	219_013#1_012	15:52:01	05/08/2010	381180.77	6205522.96	27.00	M	SS.SMu.CFiMu
LL46	219_013#1_013	15:52:23	05/08/2010	381187.77	6205520.86	27.00	M	SS.SMu.CFiMu
LL46	219_013#1_014	15:53:11	05/08/2010	381204.88	6205516.60	26.00	M	SS.SMu.CFiMu
LL46	219_013#1_015	15:54:06	05/08/2010	381224.30	6205507.25	26.00	M	SS.SMu.CFiMu
LL48	219_014#1_002	16:14:43	05/08/2010	379011.65	6206609.42	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_003	16:15:06	05/08/2010	379017.88	6206606.35	23.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL48	219_014#1_004	16:15:37	05/08/2010	379026.95	6206600.51	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_005	16:16:16	05/08/2010	379038.84	6206593.46	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_006	16:16:54	05/08/2010	379052.57	6206590.40	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_007	16:17:12	05/08/2010	379059.31	6206589.60	23.00	M R	SS.SMu.CFiMu
LL48	219_014#1_008	16:18:06	05/08/2010	379077.31	6206587.39	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_009	16:18:53	05/08/2010	379093.65	6206585.33	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_010	16:19:10	05/08/2010	379099.81	6206584.36	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_011	16:19:33	05/08/2010	379108.11	6206583.16	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_012	16:20:04	05/08/2010	379118.33	6206581.85	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_013	16:20:30	05/08/2010	379126.50	6206580.75	23.00	M	SS.SMu.CFiMu
LL48	219_014#1_014	16:21:06	05/08/2010	379139.76	6206578.86	23.00	M	SS.SMu.CFiMu
LL47	219_015#1_002	16:41:16	05/08/2010	381364.63	6205571.10	15.00	sM R	SS.SMx.CMx
LL47	219_015#1_003	16:41:41	05/08/2010	381373.66	6205569.98	14.00	sM R	SS.SMx.CMx
LL47	219_015#1_004	16:42:19	05/08/2010	381389.80	6205569.98	12.00	sM R	SS.SMx.CMx
LL47	219_015#1_005	16:42:38	05/08/2010	381396.74	6205570.88	11.00	sM R	SS.SMx.CMx
LL47	219_015#1_006	16:43:11	05/08/2010	381409.11	6205571.95	9.00	sM R	SS.SMx.CMx
LL47	219_015#1_007	16:43:33	05/08/2010	381418.91	6205571.40	7.00	sM R	SS.SMx.CMx
LL47	219_015#1_008	16:43:54	05/08/2010	381427.26	6205570.18	7.00	sM R	SS.SMx.CMx.CloMx
LL47	219_015#1_009	16:44:16	05/08/2010	381436.47	6205568.70	6.00	sM R Sh	SS.SMx.CMx.CloMx
LL47	219_015#1_010	16:44:57	05/08/2010	381457.50	6205566.59	5.00	Seabed not visible	SS.SMp.KSwSS
LL47	219_015#1_011	16:45:27	05/08/2010	381470.31	6205565.78	4.00	Seabed not visible	SS.SMp.KSwSS
LL61	219_023#1_002	08:54:36	13/08/2010	384530.45	6218342.10	62.00	M	SS.SMu.CFiMu
LL61	219_023#1_003	08:55:23	13/08/2010	384542.31	6218340.82	59.00	M	SS.SMu.CFiMu.MegMax
LL61	219_023#1_004	08:55:48	13/08/2010	384541.35	6218335.17	58.00	M	SS.SMu.CFiMu
LL61	219_023#1_005	08:56:12	13/08/2010	384543.97	6218331.50	58.00	M	SS.SMu.CFiMu.MegMax
LL61	219_023#1_006	08:56:40	13/08/2010	384556.48	6218337.92	57.00	M	SS.SMu.CFiMu
LL61	219_023#1_007	08:58:13	13/08/2010	384547.82	6218324.26	57.00	M	SS.SMu.CFiMu
LL61	219_023#1_008	08:58:48	13/08/2010	384562.73	6218331.43	58.00	M	SS.SMu.CFiMu
LL61	219_023#1_009	08:59:12	13/08/2010	384559.01	6218326.83	58.00	MR	SS.SMu.CFiMu
LL61	219_023#1_010	09:01:03	13/08/2010	384573.38	6218312.84	58.00	M	SS.SMu.CFiMu
LL61	219_023#1_011	09:02:18	13/08/2010	384572.03	6218297.76	57.00	M	SS.SMu.CFiMu
LL61	219_023#1_012	09:03:17	13/08/2010	384573.61	6218286.16	56.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL61	219_023#1_013	09:04:18	13/08/2010	384582.92	6218278.48	55.00	M	SS.SMu.CFiMu.MegMax
LL62	219_024#1_002	09:26:24	13/08/2010	384222.78	6218684.83	23.00	sM G	SS.SBR.SMus.ModT
LL62	219_024#1_003	09:27:08	13/08/2010	384223.45	6218676.75	24.00	sM G	SS.SBR.SMus.ModT
LL62	219_024#1_004	09:27:33	13/08/2010	384224.64	6218674.20	24.00	MR	CR.LCR.BrAs.NeoPro
LL62	219_024#1_005	09:27:40	13/08/2010	384225.60	6218672.69	24.00	MR	CR.LCR.BrAs.AmenCio
LL62	219_024#1_006	09:27:53	13/08/2010	384227.84	6218669.11	24.00	MR	CR.LCR.BrAs.NeoPro
LL62	219_024#1_007	09:28:04	13/08/2010	384228.79	6218666.05	23.00	MR	CR.LCR.BrAs.NeoPro
LL62	219_024#1_008	09:28:14	13/08/2010	384228.52	6218664.09	24.00	MR	CR.LCR.BrAs.AmenCio
LL62	219_024#1_009	09:28:20	13/08/2010	384229.37	6218663.79	24.00	MR	CR.LCR.BrAs.NeoPro
LL62	219_024#1_010	09:28:35	13/08/2010	384231.48	6218662.68	25.00	MR	SS.SBR.SMus.ModT
LL62	219_024#1_011	09:29:19	13/08/2010	384236.95	6218657.69	27.00	MR	SS.SBR.SMus.ModT
LL62	219_024#1_012	09:30:31	13/08/2010	384246.41	6218646.56	30.00	MR	CR.LCR.BrAs.NeoPro
LL62	219_024#1_013	09:31:07	13/08/2010	384247.71	6218638.18	34.00	MR	CR.LCR.BrAs.NeoPro
LL62	219_024#1_014	09:31:57	13/08/2010	384258.06	6218629.60	36.00	sM	SS.SMu.CSaMu
LL62	219_024#1_015	09:32:27	13/08/2010	384262.57	6218624.08	37.00	MR	CR.LCR.BrAs
LL62	219_024#1_016	09:32:51	13/08/2010	384262.52	6218618.76	40.00	MR	CR.LCR.BrAs.AmenCio
LL62	219_024#1_017	09:34:31	13/08/2010	384274.88	6218599.44	44.00	MR	CR.LCR.BrAs.AmenCio
LL62	219_024#1_018	09:35:40	13/08/2010	384281.58	6218593.71	47.00	sM	SS.SMu.CSaMu
LL62	219_024#1_019	09:36:08	13/08/2010	384284.16	6218590.00	47.00	sM	SS.SMu.CSaMu
LL62	219_024#2_002	09:46:47	13/08/2010	384257.52	6218758.78	12.00	MG	SS.SBR.SMus.ModHAs
LL62	219_024#2_003	09:47:40	13/08/2010	384265.74	6218757.81	12.00	MG	SS.SBR.SMus.ModHAs
LL62	219_024#2_004	09:47:57	13/08/2010	384266.98	6218755.89	12.00	MG	SS.SBR.SMus.ModHAs
LL62	219_024#2_005	09:48:10	13/08/2010	384265.54	6218754.94	12.00	MG	SS.SBR.SMus.ModHAs
LL62	219_024#2_006	09:48:35	13/08/2010	384262.60	6218752.54	12.00	MG	SS.SMx.CMx
LL62	219_024#2_007	09:49:36	13/08/2010	384255.92	6218745.74	12.00	MG	SS.SMx.CMx
LL62	219_024#2_008	09:51:28	13/08/2010	384254.21	6218732.68	13.00	MG	SS.SMx.CMx
LL62	219_024#2_009	09:53:07	13/08/2010	384247.91	6218720.38	13.00	MG	SS.SBR.SMus.ModHAs
LL62	219_024#2_010	09:54:00	13/08/2010	384245.01	6218712.67	13.00	MR	SS.SBR.SMus.ModHAs
LL62	219_024#2_011	09:54:17	13/08/2010	384242.73	6218708.77	14.00	MG	SS.SBR.SMus.ModHAs
LL62	219_024#2_012	09:55:03	13/08/2010	384246.20	6218704.93	15.00	MG R	SS.SMx.CMx
LL62	219_024#2_013	09:55:24	13/08/2010	384246.65	6218700.94	16.00	MR	SS.SBR.SMus.ModHAs
LL62	219_024#2_014	09:55:59	13/08/2010	384248.56	6218693.46	19.00	MR	SS.SBR.SMus.ModHAs

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL62	219_024#2_015	09:56:58	13/08/2010	384255.45	6218687.06	19.00	MG	SS.SMx.CMx
LL62	219_024#2_016	09:57:20	13/08/2010	384258.27	6218685.67	20.00	MG	SS.SBR.SMus.ModHAs
LL62	219_024#2_017	09:57:49	13/08/2010	384261.65	6218682.85	20.00	MR	CR.LCR.BrAs.AntAsH
LL62	219_024#2_018	09:58:40	13/08/2010	384259.53	6218680.56	20.00	MR	CR.LCR.BrAs.AntAsH
LL62	219_024#2_019	09:58:57	13/08/2010	384261.40	6218678.27	21.00	MR	CR.LCR.BrAs.AntAsH
LL62	219_024#2_020	09:59:23	13/08/2010	384259.57	6218675.65	22.00	MR	CR.LCR.BrAs.AntAsH
LL62	219_024#2_021	09:59:40	13/08/2010	384256.92	6218674.37	22.00	MR	CR.LCR.BrAs.AntAsH
LL62	219_024#2_022	10:00:02	13/08/2010	384254.60	6218672.31	23.00	MRG	SS.SBR.SMus.ModHAs
LL62	219_024#2_023	10:00:36	13/08/2010	384249.60	6218669.35	24.00	MR	CR.LCR.BrAs.AntAsH
LL62	219_024#2_024	10:01:24	13/08/2010	384250.96	6218664.34	26.00	MR	CR.LCR.BrAs
LL62	219_024#2_025	10:02:01	13/08/2010	384246.84	6218661.34	29.00	MR	CR.LCR.BrAs.AntAsH
LL62	219_024#2_026	10:02:18	13/08/2010	384245.81	6218659.09	29.00	MR	CR.LCR.BrAs.NeoPro
LL62	219_024#2_027	10:03:13	13/08/2010	384247.46	6218651.33	30.00	MR	CR.LCR.BrAs.NeoPro
LL63	219_025#1_002	10:30:50	13/08/2010	385034.93	6220012.69	50.00	M	SS.SMu.CFiMu
LL63	219_025#1_003	10:32:03	13/08/2010	385030.42	6220002.91	50.00	M	SS.SMu.CFiMu
LL63	219_025#1_004	10:33:40	13/08/2010	385016.92	6219989.55	50.00	M	SS.SMu.CFiMu
LL63	219_025#1_005	10:35:01	13/08/2010	385011.17	6219974.19	51.00	M	SS.SMu.CFiMu
LL63	219_025#1_006	10:35:54	13/08/2010	385007.15	6219962.23	51.00	M	SS.SMu.CFiMu
LL63	219_025#1_007	10:38:09	13/08/2010	384999.29	6219940.54	51.00	M	SS.SMu.CFiMu
LL63	219_025#1_008	10:38:49	13/08/2010	384994.60	6219933.04	51.00	M	SS.SMu.CFiMu
LL64	219_026#1_002	11:02:13	13/08/2010	386505.35	6221410.21	47.00	M	SS.SMu.CFiMu
LL64	219_026#1_003	11:03:03	13/08/2010	386496.98	6221408.73	47.00	M	SS.SMu.CFiMu
LL64	219_026#1_004	11:03:36	13/08/2010	386493.11	6221407.30	47.00	M	SS.SMu.CFiMu.MegMax
LL64	219_026#1_005	11:03:50	13/08/2010	386490.95	6221406.49	47.00	M	SS.SMu.CFiMu.MegMax
LL64	219_026#1_006	11:04:21	13/08/2010	386494.89	6221401.33	47.00	M	SS.SMu.CFiMu
LL64	219_026#1_007	11:04:50	13/08/2010	386493.16	6221398.76	47.00	M	SS.SMu.CFiMu
LL64	219_026#1_008	11:05:05	13/08/2010	386492.66	6221397.35	47.00	M	SS.SMu.CFiMu.SpnMeg
LL64	219_026#1_009	11:06:00	13/08/2010	386489.33	6221390.22	47.00	M	SS.SMu.CFiMu.MegMax
LL64	219_026#1_010	11:06:22	13/08/2010	386486.77	6221387.20	47.00	M	SS.SMu.CFiMu.MegMax
LL64	219_026#1_011	11:06:40	13/08/2010	386484.51	6221384.73	47.00	M	SS.SMu.CFiMu
LL64	219_026#1_012	11:07:55	13/08/2010	386474.98	6221376.52	47.00	M	SS.SMu.CFiMu
LL64	219_026#1_013	11:09:54	13/08/2010	386461.37	6221367.10	46.00	M	SS.SMu.CFiMu.MegMax

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL64	219_026#1_014	11:10:38	13/08/2010	386457.38	6221362.26	46.00	M	SS.SMu.CFiMu
LL64	219_026#1_015	11:11:43	13/08/2010	386449.28	6221354.03	46.00	M	SS.SMu.CFiMu.MegMax
LL64	219_026#1_016	11:12:34	13/08/2010	386441.14	6221350.46	47.00	M	SS.SMu.CFiMu.SpnMeg
LL64	219_026#1_017	11:13:22	13/08/2010	386434.79	6221344.80	47.00	M	SS.SMu.CFiMu.MegMax
LL64	219_026#1_018	11:13:48	13/08/2010	386432.35	6221341.06	47.00	M	SS.SMu.CFiMu.SpnMeg
LL64	219_026#1_019	11:14:52	13/08/2010	386435.50	6221331.59	47.00	M	SS.SMu.CFiMu.SpnMeg
LL65	219_027#1_002	11:35:05	13/08/2010	387126.38	6222616.23	10.00	sM G	SS.SMx.CMx.CloMx
LL65	219_027#1_003	11:35:29	13/08/2010	387125.45	6222607.48	12.00	sM G	SS.SMx.CMx.CloMx
LL65	219_027#1_004	11:36:04	13/08/2010	387119.35	6222595.78	12.00	sM G	SS.SMx.CMx.CloMx
LL65	219_027#1_005	11:36:40	13/08/2010	387112.76	6222586.54	13.00	sM G	SS.SMx.CMx.CloMx
LL65	219_027#1_006	11:36:52	13/08/2010	387111.05	6222583.67	14.00	sM G	SS.SMx.CMx.CloMx
LL65	219_027#1_007	11:37:32	13/08/2010	387106.30	6222572.80	13.00	sM G	SS.SMx.CMx
LL65	219_027#1_008	11:37:44	13/08/2010	387104.98	6222569.18	13.00	sM G	SS.SMx.CMx.CloMx
LL65	219_027#1_009	11:38:37	13/08/2010	387099.15	6222551.98	14.00	sM G	SS.SMx.CMx.CloMx
LL65	219_027#1_010	11:39:07	13/08/2010	387096.27	6222544.22	15.00	sM G	SS.SMx.CMx.CloMx
LL65	219_027#1_011	11:39:54	13/08/2010	387090.12	6222534.19	16.00	sM G	SS.SMx.CMx
LL66	219_028#1_002	12:25:51	13/08/2010	387544.68	6224487.88	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_003	12:26:29	13/08/2010	387541.12	6224480.42	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_004	12:26:32	13/08/2010	387541.04	6224479.90	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_005	12:27:17	13/08/2010	387542.51	6224474.89	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_006	12:27:37	13/08/2010	387542.90	6224472.38	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_007	12:27:49	13/08/2010	387541.91	6224470.85	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_008	12:28:08	13/08/2010	387541.55	6224468.78	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_009	12:28:19	13/08/2010	387541.07	6224467.20	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_010	12:28:56	13/08/2010	387539.31	6224461.49	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_011	12:29:23	13/08/2010	387536.84	6224457.16	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_012	12:29:52	13/08/2010	387534.03	6224452.30	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_013	12:30:41	13/08/2010	387528.55	6224442.62	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_014	12:31:50	13/08/2010	387521.59	6224431.32	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_015	12:32:32	13/08/2010	387518.28	6224425.00	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_016	12:33:26	13/08/2010	387512.53	6224415.23	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_017	12:34:33	13/08/2010	387505.23	6224402.60	56.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL66	219_028#1_018	12:35:23	13/08/2010	387499.46	6224395.93	56.00	M	SS.SMu.CFiMu
LL66	219_028#1_019	12:36:24	13/08/2010	387491.10	6224386.54	56.00	M	SS.SMu.CFiMu
LL67	219_029#1_002	12:59:25	13/08/2010	388267.83	6226072.02	26.00	sM Sh	SS.SMx.CMx
LL67	219_029#1_003	12:59:38	13/08/2010	388265.85	6226067.11	25.00	sM G	SS.SMx.CMx
LL67	219_029#1_004	13:00:58	13/08/2010	388252.84	6226041.21	24.00	sM G	SS.SMx.CMx
LL67	219_029#1_005	13:01:23	13/08/2010	388249.79	6226034.69	24.00	sM G	SS.SMx.CMx
LL67	219_029#1_006	13:02:18	13/08/2010	388243.80	6226021.12	26.00	sM R	CR.LCR.BrAs.NeoPro
LL67	219_029#1_007	13:02:37	13/08/2010	388241.19	6226016.05	27.00	sM R	CR.LCR.BrAs.NeoPro
LL67	219_029#1_008	13:02:41	13/08/2010	388240.62	6226014.93	27.00	sM R	CR.LCR.BrAs.NeoPro
LL67	219_029#1_009	13:03:57	13/08/2010	388235.66	6226001.74	30.00	sM Sh	SS.SMx.CMx
LL67	219_029#1_010	13:04:24	13/08/2010	388233.15	6225998.50	30.00	sM Sh R	SS.SMx.CMx
LL67	219_029#1_011	13:05:10	13/08/2010	388230.21	6225990.74	31.00	sM Sh	SS.SMx.CMx
LL67	219_029#1_012	13:08:50	13/08/2010	388190.14	6225944.12	34.00	sM	SS.SMu.CSaMu
LL68	219_030#1_002	13:30:46	13/08/2010	389469.42	6228011.88	23.00	mG Sh	SS.SMx.CMx
LL68	219_030#1_003	13:31:03	13/08/2010	389468.26	6228009.82	24.00	mG Sh	SS.SMx.CMx
LL68	219_030#1_004	13:31:53	13/08/2010	389459.15	6228003.28	26.00	mG Sh	SS.SMx.CMx
LL68	219_030#1_005	13:33:09	13/08/2010	389441.42	6227998.10	30.00	mG Sh	SS.SMx.CMx.CloMx
LL68	219_030#1_006	13:33:58	13/08/2010	389433.18	6227990.91	32.00	mG Sh	SS.SMx.CMx.CloMx
LL68	219_030#1_007	13:34:33	13/08/2010	389430.11	6227985.70	33.00	mG Sh	SS.SMx.CMx
LL68	219_030#1_008	13:36:11	13/08/2010	389423.75	6227962.16	34.00	sM	SS.SMu.CSaMu
LL68	219_030#1_009	13:36:54	13/08/2010	389419.25	6227954.40	35.00	sM	SS.SMu.CSaMu
LL68	219_030#1_010	13:38:01	13/08/2010	389406.49	6227938.78	35.00	sM	SS.SMu.CSaMu
LL69	219_031#1_002	13:53:07	13/08/2010	389787.36	6228809.07	13.00	MR	CR.MCR.EcCr.FaAlCr
LL69	219_031#1_003	13:53:40	13/08/2010	389777.23	6228801.49	14.00	MR	CR.MCR.EcCr.FaAlCr
LL69	219_031#1_004	13:53:55	13/08/2010	389774.32	6228799.38	14.00	mG R	SS.SMx.CMx.CloMx
LL69	219_031#1_005	13:54:05	13/08/2010	389771.90	6228797.84	14.00	(m) G	SS.SCS.CCS
LL69	219_031#1_006	13:54:23	13/08/2010	389768.76	6228795.48	14.00	mG	SS.SMx.CMx.CloMx
LL69	219_031#1_007	13:55:00	13/08/2010	389763.76	6228790.30	14.00	(m) G	SS.SCS.CCS
LL69	219_031#1_008	13:56:57	13/08/2010	389741.82	6228770.23	15.00	mG	SS.SMx.CMx
LL69	219_031#1_009	13:57:17	13/08/2010	389739.67	6228766.62	16.00	mG R	CR.MCR.EcCr.FaAlCr
LL69	219_031#1_010	13:58:41	13/08/2010	389735.65	6228749.65	19.00	mG	SS.SMx.CMx.CloMx
LL69	219_031#1_011	13:59:21	13/08/2010	389731.51	6228742.77	20.00	mG	SS.SMx.CMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL69	219_031#1_012	14:00:00	13/08/2010	389730.82	6228735.99	21.00	mG	SS.SMx.CMx
LL69	219_031#1_013	14:00:20	13/08/2010	389730.35	6228732.50	21.00	mG Sh	SS.SMx.CMx.CloMx
LL69	219_031#1_014	14:00:30	13/08/2010	389730.26	6228731.16	22.00	mG Sh	SS.SMx.CMx.CloMx
LL70	219_032#1_002	14:23:02	13/08/2010	391482.84	6229712.85	17.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_003	14:23:23	13/08/2010	391479.10	6229709.85	17.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_004	14:24:40	13/08/2010	391470.94	6229696.85	17.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_005	14:25:05	13/08/2010	391469.71	6229690.78	16.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_006	14:25:31	13/08/2010	391465.55	6229687.90	17.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_007	14:26:34	13/08/2010	391459.01	6229677.03	16.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_008	14:26:49	13/08/2010	391456.41	6229673.85	16.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_009	14:27:15	13/08/2010	391452.03	6229669.20	16.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_010	14:27:31	13/08/2010	391449.50	6229666.38	16.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_011	14:28:05	13/08/2010	391445.11	6229661.53	16.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_012	14:28:50	13/08/2010	391439.15	6229655.51	17.00	gM Sh	SS.SBR.SMus.ModT
LL70	219_032#1_013	14:30:10	13/08/2010	391427.03	6229645.61	17.00	gM Sh	SS.SMx.CMx
LL70	219_032#1_014	14:30:31	13/08/2010	391425.02	6229643.09	17.00	gM Sh	SS.SBR.SMus.ModT
LL70	219_032#1_015	14:30:51	13/08/2010	391423.31	6229639.47	17.00	gM Sh	SS.SBR.SMus.ModT
LL70	219_032#1_016	14:31:58	13/08/2010	391412.71	6229627.11	18.00	gM Sh	SS.SBR.SMus.ModT
LL33	219_034#1_002	08:00:14	14/08/2010	383794.62	6203705.12	40.00	M	SS.SMu.CFiMu
LL33	219_034#1_003	08:00:48	14/08/2010	383790.67	6203703.36	40.00	M	SS.SMu.CFiMu
LL33	219_034#1_004	08:01:34	14/08/2010	383786.94	6203700.03	40.00	M	SS.SMu.CFiMu
LL33	219_034#1_005	08:02:16	14/08/2010	383781.63	6203697.18	40.00	M	SS.SMu.CFiMu.MegMax
LL33	219_034#1_006	08:03:11	14/08/2010	383773.13	6203693.33	41.00	M	SS.SMu.CFiMu.MegMax
LL33	219_034#1_007	08:04:11	14/08/2010	383764.44	6203690.05	41.00	M	SS.SMu.CFiMu
LL33	219_034#1_008	08:04:53	14/08/2010	383758.81	6203687.98	41.00	M	SS.SMu.CFiMu
LL33	219_034#1_009	08:05:45	14/08/2010	383751.61	6203685.43	41.00	M	SS.SMu.CFiMu
LL33	219_034#1_010	08:08:20	14/08/2010	383730.83	6203676.66	41.00	M	SS.SMu.CFiMu
LL33	219_034#1_011	08:08:48	14/08/2010	383727.36	6203674.97	41.00	M	SS.SMu.CFiMu.MegMax
LL34	219_035#1_002	08:32:46	14/08/2010	386200.84	6205047.87	31.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_003	08:33:14	14/08/2010	386196.62	6205050.55	31.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_004	08:33:46	14/08/2010	386195.74	6205047.86	31.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_005	08:34:35	14/08/2010	386193.98	6205043.01	32.00	sM Sh	SS.SMu.CSaMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL34	219_035#1_006	08:34:50	14/08/2010	386193.36	6205042.29	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_007	08:35:27	14/08/2010	386190.92	6205041.23	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_008	08:36:27	14/08/2010	386185.92	6205043.95	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_009	08:36:50	14/08/2010	386184.01	6205044.57	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_010	08:37:47	14/08/2010	386179.53	6205044.43	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_011	08:38:08	14/08/2010	386179.22	6205042.12	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_012	08:38:52	14/08/2010	386177.96	6205037.60	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_013	08:39:16	14/08/2010	386176.80	6205036.25	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_014	08:40:49	14/08/2010	386172.11	6205038.65	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_015	08:41:12	14/08/2010	386170.69	6205038.74	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_016	08:42:30	14/08/2010	386166.65	6205037.09	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_017	08:43:57	14/08/2010	386162.23	6205034.43	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_018	08:44:43	14/08/2010	386159.62	6205034.81	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_019	08:45:28	14/08/2010	386155.95	6205036.95	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_020	08:46:45	14/08/2010	386150.35	6205036.49	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_021	08:46:58	14/08/2010	386150.36	6205035.32	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_022	08:47:20	14/08/2010	386150.32	6205033.21	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_023	08:48:08	14/08/2010	386146.14	6205034.24	32.00	sM Sh	SS.SMu.CSaMu
LL34	219_035#1_024	08:49:13	14/08/2010	386137.47	6205035.67	32.00	sM Sh	SS.SMu.CSaMu
LL36	219_036#1_002	09:25:48	14/08/2010	388021.03	6204907.46	12.00	sMG	SS.SMx.CMx
LL36	219_036#1_003	09:26:15	14/08/2010	388025.89	6204917.14	12.00	sMG	SS.SMx.CMx
LL36	219_036#1_004	09:27:20	14/08/2010	388031.92	6204927.31	12.00	sMG	SS.SMx.CMx
LL36	219_036#1_005	09:27:42	14/08/2010	388033.79	6204930.89	12.00	sMG	SS.SMx.CMx
LL36	219_036#1_006	09:28:02	14/08/2010	388035.67	6204933.98	12.00	sMG	SS.SMx.CMx
LL36	219_036#1_007	09:28:58	14/08/2010	388041.39	6204943.20	12.00	sMG	SS.SMx.CMx
LL36	219_036#1_008	09:29:44	14/08/2010	388045.36	6204950.61	12.00	sMG	SS.SMx.CMx.CloModHo
LL36	219_036#1_009	09:30:30	14/08/2010	388049.22	6204957.66	13.00	sMG	SS.SMx.CMx
LL36	219_036#1_010	09:31:18	14/08/2010	388053.81	6204965.33	13.00	sMG	SS.SMx.CMx.CloModHo
LL36	219_036#1_011	09:31:45	14/08/2010	388056.47	6204970.06	13.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_012	09:32:30	14/08/2010	388060.64	6204976.60	13.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_013	09:32:42	14/08/2010	388062.07	6204978.88	13.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_014	09:33:02	14/08/2010	388064.14	6204981.96	13.00	sMG	SS.SMx.CMx.OphMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL36	219_036#1_015	09:33:22	14/08/2010	388065.87	6204984.78	13.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_016	09:34:20	14/08/2010	388072.04	6204994.19	13.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_017	09:34:48	14/08/2010	388074.72	6204998.40	13.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_018	09:35:11	14/08/2010	388076.84	6205001.86	14.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_019	09:35:58	14/08/2010	388080.66	6205008.25	14.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_020	09:36:47	14/08/2010	388084.75	6205014.07	14.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_021	09:37:09	14/08/2010	388086.64	6205015.83	14.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_022	09:38:03	14/08/2010	388092.22	6205022.14	14.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_023	09:38:50	14/08/2010	388099.01	6205027.06	14.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_024	09:39:42	14/08/2010	388106.06	6205034.08	15.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_025	09:40:34	14/08/2010	388113.69	6205042.45	15.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_026	09:41:24	14/08/2010	388120.14	6205048.86	16.00	sMG	SS.SMx.CMx.OphMx
LL36	219_036#1_027	09:42:25	14/08/2010	388127.46	6205055.10	16.00	sMG	SS.SMx.CMx.OphMx
LL39	219_037#1_002	10:19:10	14/08/2010	389373.11	6208113.36	19.00	sM g	SS.SMu.CSaMu
LL39	219_037#1_003	10:19:42	14/08/2010	389367.34	6208118.72	19.00	sM g	SS.SMu.CSaMu
LL39	219_037#1_004	10:20:43	14/08/2010	389353.94	6208129.11	18.00	sM g	SS.SMu.CSaMu
LL39	219_037#1_005	10:21:28	14/08/2010	389344.71	6208137.18	18.00	sM g	SS.SMu.CSaMu
LL39	219_037#1_006	10:22:53	14/08/2010	389328.82	6208150.31	18.00	sM g	SS.SMu.CSaMu
LL39	219_037#1_007	10:23:56	14/08/2010	389317.09	6208160.35	17.00	sM g	SS.SMu.CSaMu
LL39	219_037#1_008	10:24:59	14/08/2010	389305.17	6208170.55	17.00	sM g	SS.SMu.CSaMu
LL39	219_037#1_009	10:25:56	14/08/2010	389293.76	6208179.57	17.00	sM g	SS.SMu.CSaMu
LL40	219_038#1_002	10:46:11	14/08/2010	388444.81	6208788.66	14.00	sMG	SS.SMx.CMx
LL40	219_038#1_003	10:46:51	14/08/2010	388431.64	6208798.05	14.00	sMG	SS.SMx.CMx
LL40	219_038#1_004	10:48:22	14/08/2010	388407.27	6208817.60	15.00	sMG	SS.SMx.CMx
LL40	219_038#1_005	10:48:53	14/08/2010	388399.65	6208823.52	15.00	sMG	SS.SMx.CMx
LL40	219_038#1_006	10:49:39	14/08/2010	388388.34	6208832.77	15.00	sMG	SS.SMx.CMx
LL40	219_038#1_007	10:50:10	14/08/2010	388380.55	6208839.19	15.00	sMG	SS.SMx.CMx
LL40	219_038#1_008	10:51:24	14/08/2010	388361.83	6208854.37	15.00	sMG	SS.SMx.CMx
LL40	219_038#1_009	10:51:37	14/08/2010	388358.51	6208857.05	15.00	sMG	SS.SMx.CMx
LL40	219_038#1_010	10:51:59	14/08/2010	388353.08	6208861.35	15.00	sMG	SS.SMx.CMx
LL40	219_038#1_011	10:52:31	14/08/2010	388345.59	6208867.41	15.00	sMG	SS.SMx.CMx
LL40	219_038#1_012	10:53:37	14/08/2010	388330.37	6208880.17	15.00	sMG	SS.SMx.CMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL41	219_039#1_002	11:17:31	14/08/2010	388065.33	6210809.37	7.00	MG	SS.SMx.IMx
LL41	219_039#1_003	11:17:49	14/08/2010	388067.14	6210808.00	7.00	MG	SS.SMx.IMx
LL41	219_039#1_004	11:18:09	14/08/2010	388068.24	6210805.56	7.00	MG	SS.SMx.IMx
LL41	219_039#1_005	11:18:17	14/08/2010	388068.87	6210804.75	7.00	MG	SS.SMx.IMx
LL41	219_039#1_006	11:19:12	14/08/2010	388073.85	6210800.34	6.00	MG	SS.SMx.IMx
LL41	219_039#1_007	11:20:04	14/08/2010	388077.69	6210795.14	6.00	MG	SS.SMx.IMx
LL41	219_039#1_008	11:21:03	14/08/2010	388081.78	6210788.25	5.00	MG	SS.SMx.IMx
LL41	219_039#1_009	11:21:32	14/08/2010	388082.45	6210784.32	5.00	MG	SS.SMx.IMx
LL41	219_039#1_010	11:22:18	14/08/2010	388085.70	6210778.71	5.00	MG	SS.SMx.IMx
LL41	219_039#1_011	11:23:17	14/08/2010	388088.32	6210770.24	5.00	MG	SS.SMx.IMx
LL41	219_039#1_012	11:24:23	14/08/2010	388091.03	6210760.89	4.00	MG	SS.SMx.IMx
LL41	219_039#1_013	11:25:00	14/08/2010	388092.87	6210755.22	3.00	MG	SS.SMx.IMx
LL41	219_039#1_014	11:25:18	14/08/2010	388094.03	6210751.67	3.00	MG	SS.SMx.IMx
LL41	219_039#1_015	11:25:29	14/08/2010	388094.47	6210749.88	2.00	MG	SS.SMx.IMx
LL41	219_039#1_016	11:26:12	14/08/2010	388097.43	6210742.16	2.00	SR	IR.LIR.K.Lsac
CS44	219_040#1_002	08:50:07	15/08/2010	381598.89	6173053.49	3.00	mS	SS.SMp.KSwSS
CS44	219_040#1_003	08:50:57	15/08/2010	381601.65	6173063.39	3.00	mS	SS.SMp.KSwSS
CS44	219_040#1_004	08:51:26	15/08/2010	381602.38	6173062.86	3.00	mS	SS.SMp.KSwSS
CS44	219_040#1_005	08:51:39	15/08/2010	381601.80	6173062.44	3.00	mS	SS.SMp.KSwSS
CS44	219_040#1_006	08:52:51	15/08/2010	381593.43	6173049.84	4.00	Seabed not visible	SS.SMp.KSwSS
CS44	219_040#1_007	08:53:07	15/08/2010	381592.00	6173045.90	4.00	Seabed not visible	SS.SMp.KSwSS
CS44	219_040#1_008	08:53:28	15/08/2010	381590.09	6173043.30	4.00	Seabed not visible	SS.SMp.KSwSS
CS44	219_040#1_009	08:54:52	15/08/2010	381592.21	6173028.76	4.00	Seabed not visible	SS.SMp.KSwSS
CS43	219_041#1_002	09:20:19	15/08/2010	383089.22	6170305.45	9.00	sG	SS.SCS.ICS
CS43	219_041#1_003	09:20:49	15/08/2010	383092.72	6170302.05	9.00	sG	SS.SCS.ICS
CS43	219_041#1_004	09:21:46	15/08/2010	383098.67	6170303.62	9.00	sG	SS.SCS.ICS
CS43	219_041#1_005	09:22:15	15/08/2010	383100.66	6170305.30	9.00	sG	SS.SCS.ICS
CS43	219_041#1_006	09:23:34	15/08/2010	383106.34	6170310.07	9.00	sG	SS.SCS.ICS
CS43	219_041#1_007	09:24:34	15/08/2010	383104.83	6170303.66	9.00	sG	SS.SCS.ICS
CS43	219_041#1_008	09:26:05	15/08/2010	383110.24	6170306.29	9.00	sG	SS.SCS.ICS
CS43	219_041#1_009	09:27:28	15/08/2010	383115.65	6170308.05	8.00	sG	SS.SCS.ICS
CS43	219_041#1_010	09:28:45	15/08/2010	383120.81	6170309.61	8.00	sG	SS.SCS.ICS

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
CS43	219_041#1_011	09:30:26	15/08/2010	383126.15	6170312.52	8.00	sG	SS.SCS.ICS
CS43	219_041#1_012	09:32:04	15/08/2010	383130.83	6170317.26	8.00	sG	SS.SCS.ICS
CS43	219_041#1_013	09:33:18	15/08/2010	383135.92	6170319.88	8.00	sG	SS.SCS.ICS
CS43	219_041#1_014	09:34:18	15/08/2010	383139.19	6170320.69	8.00	sG	SS.SCS.ICS
CS43	219_041#1_015	09:34:48	15/08/2010	383141.16	6170320.40	8.00	sG	SS.SCS.ICS
CS45	219_042#1_002	10:15:12	15/08/2010	377837.85	6170762.75	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_003	10:15:53	15/08/2010	377842.22	6170760.29	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_004	10:16:42	15/08/2010	377848.77	6170760.05	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_005	10:17:48	15/08/2010	377856.49	6170755.40	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_006	10:19:29	15/08/2010	377867.82	6170750.83	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_007	10:20:20	15/08/2010	377873.31	6170749.47	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_008	10:22:15	15/08/2010	377883.28	6170738.37	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_009	10:23:43	15/08/2010	377893.17	6170732.73	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_010	10:24:49	15/08/2010	377901.46	6170732.04	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_011	10:25:44	15/08/2010	377906.52	6170727.87	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_012	10:26:50	15/08/2010	377914.17	6170728.05	71.00	M	SS.SMu.CFiMu
CS45	219_042#1_013	10:27:20	15/08/2010	377917.05	6170728.40	71.00	M	SS.SMu.CFiMu
CS46	219_043#1_002	10:57:50	15/08/2010	375391.01	6169260.98	47.00	SR	SS.SMx.CMx
CS46	219_043#1_003	10:58:17	15/08/2010	375392.21	6169262.54	48.00	SR	SS.SMx.CMx
CS46	219_043#1_004	10:59:11	15/08/2010	375394.79	6169269.08	48.00	sR	CR.LCR.BrAs.AntAsH
CS46	219_043#1_005	10:59:33	15/08/2010	375397.44	6169269.49	49.00	SR	SS.SMx.CMx
CS46	219_043#1_006	10:59:55	15/08/2010	375399.97	6169270.08	49.00	SR	SS.SMx.CMx
CS46	219_043#1_007	11:01:25	15/08/2010	375409.33	6169277.40	53.00	SR	SS.SMx.CMx
CS46	219_043#1_008	11:02:16	15/08/2010	375415.65	6169281.22	55.00	SR	SS.SMx.CMx
CS46	219_043#1_009	11:03:17	15/08/2010	375424.06	6169285.12	59.00	sR	CR.LCR.BrAs
CS46	219_043#1_010	11:03:49	15/08/2010	375425.30	6169273.39	59.00	SR	SS.SMx.CMx
CS46	219_043#1_011	11:04:36	15/08/2010	375430.27	6169269.22	60.00	SR	SS.SMx.CMx
CS46	219_043#1_012	11:06:48	15/08/2010	375435.20	6169274.44	63.00	sM	SS.SMu.CSaMu
CS46	219_043#1_013	11:07:49	15/08/2010	375439.46	6169281.25	65.00	sM	SS.SMu.CSaMu
CS46	219_043#1_014	11:09:36	15/08/2010	375449.71	6169272.99	67.00	sM	SS.SMu.CSaMu
CS46	219_043#1_015	11:12:43	15/08/2010	375464.38	6169278.87	71.00	M (Sh)	SS.SMu.CFiMu
CS46	219_043#1_016	11:14:50	15/08/2010	375476.45	6169281.79	73.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
CS46	219_043#1_017	11:15:22	15/08/2010	375479.51	6169282.41	73.00	M	SS.SMu.CFiMu
CS46	219_043#1_018	11:17:17	15/08/2010	375491.21	6169289.74	75.00	M	SS.SMu.CFiMu
CS47	219_044#1_002	12:14:53	15/08/2010	367652.81	6167304.91	56.00	sM	SS.SMu.CSaMu
CS47	219_044#1_003	12:15:37	15/08/2010	367651.07	6167305.90	57.00	sM	SS.SMu.CSaMu
CS47	219_044#1_004	12:15:37	15/08/2010	367651.07	6167305.90	57.00	sM	SS.SMu.CSaMu
CS47	219_044#1_005	12:16:34	15/08/2010	367645.34	6167306.29	58.00	sM Sh	SS.SMu.CSaMu
CS47	219_044#1_006	12:18:07	15/08/2010	367636.71	6167312.90	59.00	sM	SS.SMu.CSaMu
CS47	219_044#1_007	12:19:02	15/08/2010	367633.65	6167315.65	59.00	sM	SS.SMu.CSaMu
CS47	219_044#1_008	12:20:44	15/08/2010	367632.12	6167322.89	60.00	sM	SS.SMu.CSaMu
CS47	219_044#1_009	12:23:00	15/08/2010	367625.75	6167327.40	62.00	sM	SS.SMu.CSaMu
CS47	219_044#1_010	12:24:59	15/08/2010	367621.42	6167334.75	63.00	sM	SS.SMu.CSaMu
CS47	219_044#1_011	12:25:10	15/08/2010	367622.35	6167335.81	63.00	sM	SS.SMu.CSaMu
CS47	219_044#1_012	12:25:44	15/08/2010	367622.49	6167337.37	63.00	sM	SS.SMu.CSaMu
CS47	219_044#1_013	12:27:24	15/08/2010	367618.66	6167341.65	64.00	sM	SS.SMu.CSaMu
CS47	219_044#1_014	12:28:44	15/08/2010	367618.83	6167346.50	64.00	sM	SS.SMu.CSaMu
CS48	219_045#1_002	12:56:47	15/08/2010	366012.45	6164721.58	3.00	Seabed not visible	IR.LIR.K.Lsac
CS48	219_045#1_003	12:56:57	15/08/2010	366002.84	6164713.73	3.00	SR	IR.LIR.K.Sag
CS48	219_045#1_004	12:58:06	15/08/2010	366010.43	6164712.69	4.00	G	IR.LIR.K.Lsac
CS48	219_045#1_005	12:59:42	15/08/2010	366027.94	6164702.37	4.00	Seabed not visible	IR.LIR.K.Lsac
CS48	219_045#1_006	13:00:17	15/08/2010	366029.48	6164702.39	4.00	G	IR.LIR.K.Lsac
CS48	219_045#1_007	13:00:57	15/08/2010	366035.01	6164698.39	4.00	R	IR.LIR.K.Lsac
CS48	219_045#1_008	13:02:21	15/08/2010	366044.60	6164701.84	5.00	R	IR.LIR.K.Lsac
CS48	219_045#1_009	13:03:47	15/08/2010	366052.90	6164710.45	5.00	Seabed not visible	IR.LIR.K.Lsac
CS48	219_045#1_010	13:04:27	15/08/2010	366056.18	6164711.10	5.00	R	IR.LIR.K.Lsac
CS48	219_045#1_011	13:05:15	15/08/2010	366060.31	6164710.45	5.00	Seabed not visible	IR.LIR.K.Lsac
CS48	219_045#1_012	13:07:05	15/08/2010	366065.72	6164703.36	6.00	Seabed not visible	IR.LIR.K.Lsac
CS48	219_045#1_013	13:08:17	15/08/2010	366080.24	6164710.39	6.00	S	SS.SCS.ICS
CS48	219_045#1_014	13:09:04	15/08/2010	366086.48	6164714.48	6.00	S	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_002	09:35:46	16/08/2010	353978.24	6182098.36	3.00	Seabed not visible	SS.SMp.KSwSS
CS01	219_046#1_003	09:36:26	16/08/2010	353980.29	6182093.11	3.00	G	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#1_004	09:37:57	16/08/2010	353986.54	6182077.00	4.00	sG	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#1_005	09:39:51	16/08/2010	354011.04	6182059.00	5.00	Seabed not visible	SS.SMp.KSwSS

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
CS01	219_046#1_006	09:40:20	16/08/2010	354017.82	6182054.78	5.00	Seabed not visible	SS.SMp.KSwSS
CS01	219_046#1_007	09:41:27	16/08/2010	354033.85	6182046.44	6.00	sG	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#1_008	09:42:27	16/08/2010	354048.12	6182042.28	6.00	sG	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#1_009	09:42:43	16/08/2010	354051.97	6182041.74	6.00	sG	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#1_010	09:44:06	16/08/2010	354067.69	6182037.72	6.00	sG	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#1_011	09:44:55	16/08/2010	354078.31	6182036.22	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_012	09:45:36	16/08/2010	354087.41	6182035.48	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_013	09:46:33	16/08/2010	354099.12	6182034.48	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_014	09:46:55	16/08/2010	354103.74	6182034.78	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_015	09:47:02	16/08/2010	354105.21	6182034.90	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_016	09:47:39	16/08/2010	354112.95	6182035.92	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_017	09:48:28	16/08/2010	354124.50	6182037.51	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_018	09:49:04	16/08/2010	354133.67	6182038.79	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_019	09:49:36	16/08/2010	354141.60	6182040.01	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#1_020	09:50:23	16/08/2010	354153.40	6182041.91	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#2_002	10:00:21	16/08/2010	354050.18	6182055.14	5.00	gS	SS.SMx.IMx
CS01	219_046#2_003	10:00:44	16/08/2010	354054.65	6182060.30	5.00	Seabed not visible	SS.SMp.KSwSS
CS01	219_046#2_004	10:01:12	16/08/2010	354062.26	6182063.82	5.00	gS Sh	SS.SMx.IMx
CS01	219_046#2_005	10:01:39	16/08/2010	354067.71	6182069.61	5.00	gS Sh	SS.SMx.IMx
CS01	219_046#2_006	10:03:39	16/08/2010	354051.90	6182106.58	3.00	gS Sh	SS.SMx.IMx
CS01	219_046#2_007	10:04:05	16/08/2010	354047.79	6182115.54	3.00	gS	SS.SMp.KSwSS
CS01	219_046#2_008	10:04:18	16/08/2010	354046.60	6182119.21	3.00	(g) S Sh	SS.SSa.IMuSa
CS01	219_046#3_002	10:15:40	16/08/2010	354114.26	6182053.38	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_003	10:15:53	16/08/2010	354117.71	6182057.59	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_004	10:16:01	16/08/2010	354120.02	6182060.12	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_005	10:16:16	16/08/2010	354125.18	6182064.74	6.00	gS	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_006	10:16:30	16/08/2010	354130.12	6182069.07	6.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_007	10:16:48	16/08/2010	354135.18	6182074.01	6.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_008	10:17:07	16/08/2010	354139.84	6182078.41	5.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_009	10:17:25	16/08/2010	354144.77	6182082.76	5.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_010	10:17:52	16/08/2010	354149.65	6182090.79	5.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_011	10:18:11	16/08/2010	354151.70	6182096.30	5.00	gS Sh	SS.SMp.Mrl.(Pcal)

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
CS01	219_046#3_012	10:18:22	16/08/2010	354152.93	6182100.03	5.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_013	10:18:34	16/08/2010	354153.36	6182103.12	5.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_014	10:19:06	16/08/2010	354155.85	6182110.64	5.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_015	10:19:41	16/08/2010	354156.99	6182120.88	4.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_016	10:19:56	16/08/2010	354157.65	6182124.70	4.00	gs Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_017	10:20:22	16/08/2010	354158.51	6182128.91	4.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_018	10:20:34	16/08/2010	354158.22	6182131.36	4.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_019	10:21:16	16/08/2010	354158.66	6182141.58	4.00	gS Sh	SS.SMp.Mrl.(Pcal)
CS01	219_046#3_020	10:21:31	16/08/2010	354158.98	6182144.30	4.00	sG	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#3_021	10:21:50	16/08/2010	354159.72	6182150.23	4.00	sG	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#3_022	10:22:23	16/08/2010	354160.67	6182156.64	3.00	sG	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#3_023	10:22:42	16/08/2010	354161.48	6182159.65	3.00	sG Sh	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#3_024	10:23:06	16/08/2010	354161.68	6182162.66	3.00	sG Sh	SS.SMp.KSwSS.LsacR.Gv
CS01	219_046#3_025	10:23:47	16/08/2010	354158.74	6182171.37	3.00	S Sh	SS.SSa.IMuSa
CS01	219_046#3_026	10:24:18	16/08/2010	354160.06	6182178.38	3.00	S Sh	SS.SSa.IMuSa
CS49	219_047#1_002	10:42:14	16/08/2010	353493.01	6182209.71	3.00	S Sh	SS.SCS.ICS
CS49	219_047#1_003	10:43:24	16/08/2010	353500.65	6182210.50	3.00	S Sh	SS.SCS.ICS
CS49	219_047#1_004	10:44:16	16/08/2010	353511.75	6182214.15	3.00	S Sh	SS.SCS.ICS
CS49	219_047#1_005	10:45:16	16/08/2010	353524.13	6182219.11	3.00	S Sh	SS.SCS.ICS
CS49	219_047#1_006	10:46:17	16/08/2010	353534.13	6182221.87	3.00	S Sh	SS.SCS.ICS
CS02	219_048#1_002	10:59:53	16/08/2010	352533.32	6182000.35	5.00	mS Sh	SS.SSa.IMuSa
CS02	219_048#1_003	11:01:03	16/08/2010	352540.30	6181996.84	5.00	mS Sh	SS.SSa.IMuSa
CS02	219_048#1_004	11:01:49	16/08/2010	352539.55	6181982.33	6.00	mS Sh	SS.SSa.IMuSa
CS02	219_048#1_005	11:03:46	16/08/2010	352529.38	6181958.74	6.00	mS Sh	SS.SSa.IMuSa
CS02	219_048#1_006	11:04:35	16/08/2010	352526.46	6181950.68	6.00	mS Sh	SS.SSa.IMuSa
CS02	219_048#1_007	11:04:50	16/08/2010	352525.07	6181946.90	6.00	mS Sh	SS.SSa.IMuSa
CS02	219_048#1_008	11:05:20	16/08/2010	352523.08	6181940.14	6.00	mS Sh	SS.SSa.IMuSa
CS02	219_048#1_009	11:07:19	16/08/2010	352516.56	6181911.92	7.00	mS Sh	SS.SSa.IMuSa
CS02	219_048#1_010	11:08:37	16/08/2010	352508.10	6181895.94	7.00	mS Sh	SS.SSa.IMuSa
CS03	219_049#1_002	11:28:12	16/08/2010	353843.56	6180143.63	45.00	sM	SS.SMu.CSaMu
CS03	219_049#1_003	11:28:53	16/08/2010	353844.33	6180151.16	45.00	sM	SS.SMu.CSaMu
CS03	219_049#1_004	11:30:34	16/08/2010	353852.37	6180165.09	45.00	sM	SS.SMu.CSaMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
CS03	219_049#1_005	11:32:09	16/08/2010	353860.43	6180178.54	45.00	sM	SS.SMu.CSaMu
CS03	219_049#1_006	11:32:22	16/08/2010	353861.46	6180180.37	45.00	sM	SS.SMu.CSaMu
CS03	219_049#1_007	11:33:13	16/08/2010	353865.58	6180187.80	45.00	sM	SS.SMu.CSaMu
CS03	219_049#1_008	11:34:51	16/08/2010	353874.40	6180200.65	45.00	sM	SS.SMu.CSaMu
CS03	219_049#1_009	11:36:18	16/08/2010	353881.80	6180212.44	45.00	sM	SS.SMu.CSaMu
CS03	219_049#1_010	11:36:56	16/08/2010	353884.83	6180217.89	45.00	sM	SS.SMu.CSaMu
CS03	219_049#1_011	11:38:36	16/08/2010	353892.85	6180231.61	44.00	sM	SS.SMu.CSaMu
CS03	219_049#1_012	11:40:26	16/08/2010	353902.72	6180244.85	44.00	sM	SS.SMu.CSaMu
CS04	219_050#1_002	12:23:02	16/08/2010	356789.88	6178151.44	52.00	sM	SS.SMu.CSaMu
CS04	219_050#1_003	12:24:08	16/08/2010	356807.10	6178157.05	51.00	sM	SS.SMu.CSaMu
CS04	219_050#1_004	12:24:34	16/08/2010	356813.48	6178158.94	51.00	sM	SS.SMu.CSaMu
CS04	219_050#1_005	12:25:19	16/08/2010	356824.61	6178162.26	51.00	sM	SS.SMu.CSaMu
CS04	219_050#1_006	12:26:24	16/08/2010	356840.40	6178167.55	50.00	sM	SS.SMu.CSaMu
CS04	219_050#1_007	12:27:40	16/08/2010	356858.60	6178173.93	50.00	sM	SS.SMu.CSaMu
CS04	219_050#1_008	12:29:16	16/08/2010	356880.26	6178179.21	50.00	sM	SS.SMu.CSaMu
CS04	219_050#1_009	12:30:03	16/08/2010	356890.40	6178183.69	50.00	sM	SS.SMu.CSaMu
CS04	219_050#1_010	12:30:21	16/08/2010	356894.05	6178185.32	50.00	sM	SS.SMu.CSaMu
CS05	219_051#1_002	12:50:30	16/08/2010	355369.93	6176310.76	21.00	gS Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_003	12:50:47	16/08/2010	355373.21	6176311.68	21.00	gS Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_004	12:51:28	16/08/2010	355379.62	6176312.74	21.00	gS Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_005	12:52:19	16/08/2010	355388.90	6176314.37	20.00	gS Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_006	12:52:55	16/08/2010	355395.82	6176316.19	20.00	gS Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_007	12:53:22	16/08/2010	355400.60	6176317.50	20.00	gS Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_008	12:53:57	16/08/2010	355407.43	6176318.96	20.00	gS Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_009	12:55:03	16/08/2010	355421.35	6176320.94	19.00	sG Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_010	12:55:36	16/08/2010	355427.67	6176321.58	19.00	sG Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_011	12:55:58	16/08/2010	355431.50	6176321.89	18.00	sG Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_012	12:56:25	16/08/2010	355436.57	6176322.25	18.00	sG Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_013	12:57:07	16/08/2010	355443.95	6176323.41	18.00	sG Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_014	12:58:16	16/08/2010	355455.92	6176326.56	17.00	sG Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_015	12:58:38	16/08/2010	355459.75	6176327.62	17.00	sG Sh	SS.SMx.CMx.CIloMx
CS05	219_051#1_016	13:00:02	16/08/2010	355473.18	6176332.52	16.00	sG Sh	SS.SMx.CMx.CIloMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
CS05	219_051#1_017	13:00:18	16/08/2010	355476.05	6176333.42	16.00	sG Sh	SS.SMx.CMx.CloMx
CS05	219_051#1_018	13:00:54	16/08/2010	355482.62	6176335.46	16.00	sG Sh	SS.SMx.CMx.CloMx
CS06	219_052#1_002	13:27:10	16/08/2010	353402.33	6175225.80	50.00	sM	SS.SMu.CSaMu
CS06	219_052#1_003	13:28:15	16/08/2010	353413.32	6175231.30	50.00	sM	SS.SMu.CSaMu
CS06	219_052#1_004	13:28:23	16/08/2010	353414.75	6175231.93	49.00	sM	SS.SMu.CSaMu
CS06	219_052#1_005	13:28:47	16/08/2010	353418.87	6175233.64	49.00	sM	SS.SMu.CSaMu
CS06	219_052#1_006	13:30:10	16/08/2010	353431.99	6175239.22	47.00	sM	SS.SMu.CSaMu
CS06	219_052#1_007	13:31:08	16/08/2010	353441.28	6175244.47	45.00	sM	SS.SMu.CSaMu
CS06	219_052#1_008	13:31:48	16/08/2010	353447.85	6175247.73	44.00	sM	SS.SMu.CSaMu
CS06	219_052#1_009	13:32:17	16/08/2010	353452.60	6175249.97	44.00	sM	SS.SMu.CSaMu
CS06	219_052#1_010	13:33:11	16/08/2010	353460.77	6175253.61	44.00	sM	SS.SMu.CSaMu
CS06	219_052#1_011	13:35:12	16/08/2010	353480.81	6175264.81	43.00	sM	SS.SMu.CSaMu
CS06	219_052#1_012	13:36:26	16/08/2010	353494.14	6175269.90	43.00	sM	SS.SMu.CSaMu
CS06	219_052#1_013	13:37:54	16/08/2010	353507.09	6175279.23	42.00	sM	SS.SMu.CSaMu
CS06	219_052#1_014	13:39:00	16/08/2010	353517.93	6175285.18	42.00	sM	SS.SMu.CSaMu
CS10	219_053#1_002	14:07:42	16/08/2010	350553.43	6172326.91	45.00	sM	SS.SMu.CSaMu
CS10	219_053#1_003	14:09:33	16/08/2010	350564.20	6172361.55	45.00	sM	SS.SMu.CSaMu
CS10	219_053#1_004	14:09:46	16/08/2010	350565.58	6172365.37	45.00	sM	SS.SMu.CSaMu
CS10	219_053#1_005	14:10:28	16/08/2010	350568.83	6172379.27	45.00	sM	SS.SMu.CSaMu
CS10	219_053#1_006	14:10:38	16/08/2010	350569.77	6172382.43	45.00	sM	SS.SMu.CSaMu
CS10	219_053#1_007	14:11:02	16/08/2010	350571.96	6172389.57	45.00	sM	SS.SMu.CSaMu
CS10	219_053#1_008	14:11:19	16/08/2010	350573.57	6172394.65	46.00	sM	SS.SMu.CSaMu
CS10	219_053#1_009	14:12:47	16/08/2010	350580.19	6172417.54	48.00	sM	SS.SMu.CSaMu
CS10	219_053#1_010	14:13:43	16/08/2010	350584.53	6172433.60	50.00	sM	SS.SMu.CSaMu
CS10	219_053#1_011	14:15:42	16/08/2010	350594.07	6172467.79	53.00	sM	SS.SMu.CSaMu
CS10	219_053#1_012	14:16:35	16/08/2010	350597.88	6172482.64	54.00	sM	SS.SMu.CSaMu
CS13	219_054#1_002	14:52:07	16/08/2010	349367.18	6168440.63	25.00	sM Sh	SS.SMu.CSaMu
CS13	219_054#1_003	14:52:15	16/08/2010	349366.15	6168439.09	25.00	sM	SS.SMu.CSaMu
CS13	219_054#1_004	14:52:34	16/08/2010	349365.55	6168435.36	25.00	sM	SS.SMu.CSaMu
CS13	219_054#1_005	14:52:52	16/08/2010	349365.55	6168431.30	25.00	sM	SS.SMu.CSaMu
CS13	219_054#1_006	14:54:16	16/08/2010	349364.51	6168415.84	25.00	sM	SS.SMu.CSaMu
CS13	219_054#1_007	14:55:56	16/08/2010	349365.64	6168398.54	24.00	sM	SS.SMu.CFiMu.SpMg

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
CS13	219_054#1_008	14:56:23	16/08/2010	349365.96	6168393.50	24.00	sM	SS.SMu.CSaMu
CS13	219_054#1_009	14:57:09	16/08/2010	349365.57	6168380.81	24.00	sM	SS.SMu.CSaMu
CS13	219_054#1_010	14:58:09	16/08/2010	349365.61	6168368.37	23.00	sM	SS.SMu.CSaMu
CS13	219_054#1_011	14:59:54	16/08/2010	349362.46	6168348.25	23.00	sM	SS.SMu.CSaMu
CS13	219_054#1_012	14:02:06	16/08/2010	349353.60	6168321.63	22.00	sM	SS.SMu.CSaMu
CS14	219_055#1_003	15:24:05	16/08/2010	347913.27	6167183.90	38.00	sR	CR.LCR.BrAs
CS14	219_055#1_005	15:24:59	16/08/2010	347913.84	6167195.40	43.00	sR	CR.LCR.BrAs
CS14	219_055#1_006	15:25:19	16/08/2010	347913.55	6167199.15	44.00	sR	CR.LCR.BrAs
CS14	219_055#1_008	15:26:23	16/08/2010	347912.94	6167213.63	44.00	sG	SS.SMx.CMx.CloMx
CS14	219_055#1_009	15:27:56	16/08/2010	347914.70	6167239.11	45.00	mS	SS.SMx.CMx
CS14	219_055#1_010	15:28:30	16/08/2010	347915.23	6167247.69	46.00	mS	SS.SMx.CMx
CS14	219_055#1_011	15:30:22	16/08/2010	347914.94	6167277.16	47.00	mS	SS.SMx.CMx
CS14	219_055#1_012	15:31:17	16/08/2010	347914.98	6167290.98	47.00	mS	SS.SMx.CMx
CS15	219_056#1_002	15:53:32	16/08/2010	347104.80	6165994.53	44.00	mS	SS.SMx.CMx
CS15	219_056#1_003	15:54:43	16/08/2010	347104.71	6166015.73	44.00	mS	SS.SMx.CMx
CS15	219_056#1_004	15:55:11	16/08/2010	347100.74	6166020.95	45.00	mS	SS.SMx.CMx
CS15	219_056#1_005	15:57:51	16/08/2010	347083.98	6166060.80	45.00	mS	SS.SMx.CMx
CS15	219_056#1_006	15:58:31	16/08/2010	347080.33	6166072.46	45.00	mS	SS.SMx.CMx
CS15	219_056#1_007	16:00:27	16/08/2010	347071.58	6166105.30	44.00	mS	SS.SMx.CMx
CS15	219_056#1_008	16:00:27	16/08/2010	347071.58	6166105.30	44.00	mS	SS.SMx.CMx
CS15	219_056#1_009	16:00:58	16/08/2010	347069.25	6166115.53	43.00	SR	SS.SMx.CMx
CS15	219_056#1_010	16:01:10	16/08/2010	347068.41	6166119.63	43.00	SR	SS.SMx.CMx
CS15	219_056#1_011	16:01:20	16/08/2010	347067.75	6166123.13	43.00	SR	SS.SMx.CMx
CS15	219_056#1_012	16:01:37	16/08/2010	347066.64	6166129.21	43.00	SR	SS.SMx.CMx
CS15	219_056#1_013	16:01:59	16/08/2010	347065.30	6166136.82	44.00	SR	CR.LCR.BrAs.AntAsH
CS15	219_056#1_014	16:02:08	16/08/2010	347064.81	6166139.84	44.00	sR	CR.LCR.BrAs.AntAsH
CS15	219_056#1_015	16:02:23	16/08/2010	347064.00	6166144.93	45.00	sR	CR.LCR.BrAs.AntAsH
CS15	219_056#1_016	16:02:23	16/08/2010	347064.00	6166144.93	45.00	sR	CR.LCR.BrAs.AmenCio.Bri
CS15	219_056#1_017	16:02:35	16/08/2010	347063.36	6166148.86	45.00	sR	CR.LCR.BrAs.AmenCio.Bri
CS15	219_056#1_018	16:02:55	16/08/2010	347062.20	6166155.47	47.00	sR	CR.LCR.BrAs.AmenCio.Bri
CS15	219_056#1_019	16:03:51	16/08/2010	347059.05	6166173.36	49.00	sR	CR.LCR.BrAs.AmenCio.Bri
CS15	219_056#1_020	16:04:19	16/08/2010	347057.37	6166181.57	51.00	sR	CR.LCR.BrAs.AmenCio.Bri

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
CS15	219_056#1_021	16:04:37	16/08/2010	347056.69	6166185.99	52.00	sR	CR.LCR.BrAs.AmenCio.Bri
CS15	219_056#1_022	16:04:58	16/08/2010	347055.33	6166191.09	52.00	(g) mS	SS.SMx.CMx
CS15	219_056#1_023	16:05:45	16/08/2010	347050.75	6166203.52	53.00	(g) mS	SS.SMx.CMx
CS50	219_057#1_002	16:27:53	16/08/2010	347102.74	6166127.12	44.00	SR	CR.LCR.BrAs
CS50	219_057#1_003	16:28:26	16/08/2010	347106.21	6166137.48	44.00	mS	SS.SSa.CMuSa
CS50	219_057#1_004	16:28:55	16/08/2010	347109.17	6166146.34	44.00	mS	SS.SSa.CMuSa
CS50	219_057#1_005	16:30:33	16/08/2010	347116.60	6166172.08	44.00	mS	SS.SSa.CMuSa
CS50	219_057#1_006	16:31:42	16/08/2010	347118.32	6166187.39	43.00	mS	SS.SSa.CMuSa
CS50	219_057#1_007	16:32:05	16/08/2010	347118.84	6166193.58	43.00	SR	CR.LCR.BrAs
CS50	219_057#1_008	16:33:31	16/08/2010	347121.64	6166212.39	44.00	mS	SS.SSa.CMuSa
CS50	219_057#1_009	16:34:02	16/08/2010	347122.88	6166219.20	44.00	SR	CR.LCR.BrAs
CS50	219_057#1_010	16:34:31	16/08/2010	347124.05	6166225.49	44.00	SR	SS.SSa.CMuSa
CS50	219_057#1_011	16:34:46	16/08/2010	347124.66	6166228.55	44.00	SR	SS.SSa.CMuSa
CS50	219_057#1_012	16:34:58	16/08/2010	347125.14	6166230.96	45.00	SR	CR.LCR.BrAs.AmenCio.Bri
CS50	219_057#1_013	16:35:10	16/08/2010	347125.64	6166233.38	45.00	SR	CR.LCR.BrAs
CS50	219_057#1_014	16:35:26	16/08/2010	347127.21	6166236.07	46.00	sR	CR.LCR.BrAs
CS50	219_057#1_015	16:35:46	16/08/2010	347127.85	6166240.53	47.00	sR	CR.LCR.BrAs
CS50	219_057#1_016	16:36:13	16/08/2010	347128.78	6166247.23	47.00	mS	SS.SSa.CMuSa
CS50	219_057#1_017	16:36:27	16/08/2010	347129.22	6166250.53	48.00	SR	CR.LCR.BrAs.AntAsH
CS50	219_057#1_018	16:36:45	16/08/2010	347131.44	6166254.39	48.00	sR	CR.LCR.BrAs
CS50	219_057#1_019	16:36:59	16/08/2010	347131.40	6166257.54	48.00	SR	CR.LCR.BrAs
CS50	219_057#1_020	16:37:36	16/08/2010	347131.43	6166265.19	47.00	SR	CR.LCR.BrAs
CS50	219_057#1_021	16:37:55	16/08/2010	347131.55	6166269.17	47.00	mS Sh	SS.SSa.CMuSa
CS50	219_057#1_022	16:38:52	16/08/2010	347132.16	6166280.89	47.00	mS	SS.SSa.CMuSa
CS50	219_057#1_023	16:39:34	16/08/2010	347132.99	6166290.08	47.00	mS R	SS.SSa.CMuSa
CS50	219_057#1_024	16:40:04	16/08/2010	347134.08	6166296.58	47.00	mS	SS.SSa.CMuSa
CS50	219_057#1_025	16:40:21	16/08/2010	347134.83	6166300.33	47.00	mS	SS.SSa.CMuSa
CS50	219_057#1_026	16:40:55	16/08/2010	347136.47	6166308.14	47.00	mS R	SS.SSa.CMuSa
CS50	219_057#1_027	16:41:15	16/08/2010	347137.41	6166312.75	48.00	SR	CR.LCR.BrAs
CS50	219_057#1_028	16:42:03	16/08/2010	347139.19	6166322.07	50.00	mS	SS.SSa.CMuSa
CS50	219_057#1_029	16:42:27	16/08/2010	347139.68	6166326.13	50.00	SR	CR.LCR.BrAs.AntAsH
CS50	219_057#1_030	16:42:46	16/08/2010	347140.59	6166329.44	50.00	R	CR.LCR.BrAs.AntAsH

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
CS50	219_057#1_031	16:43:30	16/08/2010	347140.96	6166337.33	51.00	R	CR.LCR.BrAs.AntAsH
CS50	219_057#1_032	16:44:14	16/08/2010	347142.89	6166344.25	53.00	mS	SS.SSa.CMuSa
LF25	219_058#1_002	08:31:22	17/08/2010	349627.39	6196465.51	7.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_003	08:31:44	17/08/2010	349643.49	6196455.97	7.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_004	08:32:17	17/08/2010	349652.88	6196448.44	8.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_005	08:32:55	17/08/2010	349665.32	6196441.27	8.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_006	08:33:39	17/08/2010	349680.09	6196432.92	8.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_007	08:34:21	17/08/2010	349692.81	6196423.10	10.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_008	08:34:46	17/08/2010	349700.45	6196416.63	10.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_009	08:35:46	17/08/2010	349721.62	6196403.13	12.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_010	08:36:14	17/08/2010	349731.86	6196397.97	13.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_011	08:36:51	17/08/2010	349746.69	6196390.95	15.00	sG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_012	08:37:10	17/08/2010	349754.40	6196386.53	15.00	sRG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_013	08:37:29	17/08/2010	349760.69	6196383.55	16.00	sRG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_014	08:38:06	17/08/2010	349776.47	6196376.74	16.00	sRG	SS.SMp.KSwSS.LsacR
LF25	219_058#1_016	08:39:28	17/08/2010	349819.39	6196364.63	18.00	sG	SS.SMx.IMx
LF25	219_058#1_017	08:40:07	17/08/2010	349839.16	6196360.82	19.00	sRG	SS.SMx.IMx
LF25	219_058#1_018	08:40:38	17/08/2010	349854.55	6196353.73	21.00	sRG	SS.SMx.IMx
LF25	219_058#1_019	08:41:10	17/08/2010	349868.95	6196347.76	22.00	sG	SS.SMx.IMx
LF16	219_059#1_002	10:37:33	17/08/2010	352526.61	6210288.13	6.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_003	10:37:47	17/08/2010	352528.15	6210288.65	6.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_004	10:38:36	17/08/2010	352533.29	6210288.09	6.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_005	10:38:56	17/08/2010	352534.43	6210286.05	6.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_006	10:39:48	17/08/2010	352538.13	6210282.19	7.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_007	10:41:11	17/08/2010	352544.26	6210275.81	7.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_008	10:42:15	17/08/2010	352542.23	6210269.70	8.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_009	10:43:51	17/08/2010	352544.74	6210261.15	8.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_010	10:44:12	17/08/2010	352543.11	6210258.43	8.00	s G SH	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_011	10:44:37	17/08/2010	352543.25	6210255.96	9.00	s g SH	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_012	10:44:55	17/08/2010	352543.89	6210255.05	9.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_013	10:45:28	17/08/2010	352547.00	6210252.62	9.00	s g SH	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_014	10:45:43	17/08/2010	352546.28	6210250.25	9.00	s G sh	SS.SMp.KSwSS.LsacR.Gv

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF16	219_059#1_015	10:47:04	17/08/2010	352554.20	6210238.98	10.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_016	10:47:54	17/08/2010	352559.85	6210234.58	10.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_017	10:48:23	17/08/2010	352562.48	6210234.15	10.00	s G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#1_018	10:48:43	17/08/2010	352565.41	6210235.03	11.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#1_019	10:48:54	17/08/2010	352566.97	6210236.68	11.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#1_020	10:49:12	17/08/2010	352569.60	6210237.08	11.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#1_021	10:50:04	17/08/2010	352575.42	6210231.94	11.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#1_022	10:50:20	17/08/2010	352576.47	6210230.49	11.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_023	10:51:03	17/08/2010	352579.80	6210228.10	11.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_024	10:51:25	17/08/2010	352581.30	6210227.18	12.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_025	10:51:34	17/08/2010	352582.22	6210226.43	12.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_026	10:52:13	17/08/2010	352585.69	6210225.50	12.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_027	10:52:48	17/08/2010	352589.17	6210223.14	12.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_028	10:53:55	17/08/2010	352595.81	6210226.19	12.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_029	10:54:48	17/08/2010	352599.00	6210220.50	12.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_030	10:55:52	17/08/2010	352603.25	6210212.91	13.00	m s G	SS.SMx.CMx.OphMx
LF16	219_059#1_031	10:56:32	17/08/2010	352607.49	6210212.07	13.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_032	10:58:59	17/08/2010	352622.61	6210202.95	14.00	m s G	SS.SMx.CMx.OphMx
LF16	219_059#1_033	11:00:02	17/08/2010	352629.41	6210199.97	14.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#1_034	11:00:40	17/08/2010	352633.88	6210201.47	15.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#1_035	11:02:09	17/08/2010	352640.38	6210191.71	15.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#1_036	11:03:38	17/08/2010	352640.18	6210181.61	15.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#1_037	11:05:28	17/08/2010	352629.23	6210163.92	14.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#1_038	11:06:13	17/08/2010	352620.46	6210160.57	14.00	m s G	SS.SMx.CMx.OphMx
LF16	219_059#2_002	11:17:49	17/08/2010	352423.43	6210165.17	4.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#2_003	11:19:05	17/08/2010	352430.52	6210168.20	4.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#2_004	11:19:38	17/08/2010	352434.57	6210170.46	5.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#2_005	11:20:28	17/08/2010	352442.00	6210167.25	5.00	(m) G	SS.SMp.Mrl.Pcal.R (dead)
LF16	219_059#2_006	11:20:44	17/08/2010	352444.00	6210166.91	4.00	G	SS.SMp.Mrl.Pcal.R (dead)
LF16	219_059#2_007	11:21:02	17/08/2010	352446.29	6210168.04	5.00	G	SS.SMp.Mrl.Pcal.R (dead)
LF16	219_059#2_008	11:21:30	17/08/2010	352451.00	6210164.30	5.00	G	SS.SMp.Mrl.(Pcal)
LF16	219_059#2_009	11:21:45	17/08/2010	352453.49	6210163.01	6.00	G	SS.SMp.Mrl.Pcal.R (dead)

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF16	219_059#2_010	11:22:45	17/08/2010	352469.95	6210157.73	7.00	G	SS.SMp.Mrl.Pcal.R (dead)
LF16	219_059#2_011	11:23:02	17/08/2010	352473.87	6210157.96	7.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#2_012	11:24:06	17/08/2010	352486.33	6210160.75	8.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#2_013	11:24:23	17/08/2010	352488.43	6210162.02	8.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#2_014	11:24:31	17/08/2010	352489.49	6210162.49	8.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#2_015	11:24:51	17/08/2010	352492.13	6210164.16	9.00	(m) G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#2_016	11:25:39	17/08/2010	352498.95	6210164.92	9.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#2_017	11:25:50	17/08/2010	352500.75	6210164.34	9.00	G	SS.SMx.CMx.OphMx
LF16	219_059#2_018	11:26:07	17/08/2010	352502.77	6210163.05	9.00	G	SS.SMx.CMx.OphMx
LF16	219_059#2_019	11:26:48	17/08/2010	352508.01	6210163.42	10.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#2_020	11:27:51	17/08/2010	352516.76	6210163.97	10.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#2_021	11:28:14	17/08/2010	352520.30	6210162.51	10.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#2_022	11:28:53	17/08/2010	352526.00	6210160.77	10.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#2_023	11:30:05	17/08/2010	352537.15	6210160.89	11.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#2_024	11:31:03	17/08/2010	352545.50	6210163.30	11.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#2_025	11:32:07	17/08/2010	352561.08	6210165.01	11.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#2_026	11:33:07	17/08/2010	352571.00	6210169.86	12.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#2_027	11:34:02	17/08/2010	352577.90	6210174.62	12.00	s m G	SS.SMx.CMx.OphMx
LF16	219_059#2_028	11:36:17	17/08/2010	352589.34	6210183.00	12.00	s m G	SS.SMx.CMx.OphMx
LF16	219_059#2_029	11:38:02	17/08/2010	352596.36	6210189.51	13.00	(s) M G	SS.SMx.CMx.OphMx
LF16	219_059#2_030	11:39:29	17/08/2010	352603.28	6210195.47	13.00	m s G	SS.SMx.CMx.OphMx
LF16	219_059#3_002	11:49:44	17/08/2010	352350.00	6210038.35	6.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#3_003	11:49:54	17/08/2010	352351.02	6210037.16	6.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#3_004	11:50:10	17/08/2010	352353.52	6210036.26	6.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#3_005	11:50:50	17/08/2010	352360.71	6210034.56	7.00	G	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#3_006	11:51:59	17/08/2010	352371.93	6210031.14	8.00	G sh	SS.SMp.KSwSS.LsacR.Gv
LF16	219_059#3_007	11:53:17	17/08/2010	352383.21	6210029.50	8.00	(m) G	SS.SMp.Mrl.Pcal.R (dead)
LF16	219_059#3_008	11:53:30	17/08/2010	352385.60	6210029.41	8.00	G	SS.SMx.CMx.OphMx
LF16	219_059#3_009	11:53:41	17/08/2010	352387.51	6210029.88	8.00	G	SS.SMx.CMx.OphMx
LF16	219_059#3_010	11:54:42	17/08/2010	352399.02	6210032.05	9.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#3_011	11:54:53	17/08/2010	352401.25	6210032.19	9.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#3_012	11:56:15	17/08/2010	352416.12	6210035.48	9.00	(m) s G	SS.SMx.CMx.OphMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF16	219_059#3_013	11:56:35	17/08/2010	352419.13	6210036.40	9.00	(m) R	CR.MCR.EcCr.FaAlCr.Bri
LF16	219_059#3_014	11:57:57	17/08/2010	352432.30	6210038.96	10.00	s G	SS.SMx.CMx.OphMx
LF16	219_059#3_015	11:59:05	17/08/2010	352440.84	6210038.12	10.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#3_016	12:00:25	17/08/2010	352452.87	6210036.34	11.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#3_017	12:01:23	17/08/2010	352455.80	6210029.61	11.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#3_018	12:03:43	17/08/2010	352477.60	6210031.13	11.00	(m) s G	SS.SMx.CMx.OphMx
LF16	219_059#3_019	12:04:29	17/08/2010	352487.40	6210035.01	12.00	s G	SS.SMx.CMx.OphMx
LF44	219_060#1_002	12:27:55	17/08/2010	353787.59	6209862.28	27.00	(g) mS	SS.SBR.SMus.ModT
LF44	219_060#1_003	12:28:28	17/08/2010	353796.33	6209859.14	26.00	mS Sh	SS.SMx.CMx
LF44	219_060#1_004	12:28:45	17/08/2010	353800.21	6209856.35	26.00	mS Sh	SS.SBR.SMus.ModT
LF44	219_060#1_005	12:29:08	17/08/2010	353806.12	6209850.96	26.00	(g) mS Sh	SS.SMx.CMx
LF44	219_060#1_006	12:30:15	17/08/2010	353822.73	6209844.42	25.00	mS Sh	SS.SBR.SMus.ModT
LF44	219_060#1_007	12:30:54	17/08/2010	353831.23	6209838.32	24.00	mS Sh	SS.SMx.CMx
LF44	219_060#1_008	12:31:47	17/08/2010	353843.52	6209824.22	24.00	mS Sh	SS.SBR.SMus.ModT
LF44	219_060#1_009	12:32:25	17/08/2010	353852.80	6209818.43	23.00	mS Sh	SS.SBR.SMus.ModT
LF44	219_060#1_010	12:33:32	17/08/2010	353870.54	6209807.41	22.00	mS Sh	SS.SMx.CMx
LF44	219_060#1_011	12:34:25	17/08/2010	353883.47	6209801.00	21.00	mS Sh	SS.SMx.CMx
LF44	219_060#1_012	12:35:38	17/08/2010	353901.53	6209790.47	20.00	mS Sh	SS.SMx.CMx
LF44	219_060#1_013	12:36:19	17/08/2010	353912.77	6209784.89	19.00	mS Sh	SS.SMx.CMx
LF44	219_060#1_014	12:36:35	17/08/2010	353916.63	6209782.90	19.00	mS Sh	SS.SMx.CMx
LF44	219_060#1_015	12:36:45	17/08/2010	353918.95	6209781.74	19.00	mS Sh	SS.SMx.CMx.OphMx
LF15	219_061#1_002	13:33:18	17/08/2010	355288.26	6214478.80	14.00	m S sh	SS.SMx.CMx.CloMx
LF15	219_061#1_003	13:33:52	17/08/2010	355298.37	6214474.07	14.00	g m S sh	SS.SMx.CMx
LF15	219_061#1_004	13:34:55	17/08/2010	355317.76	6214462.74	14.00	(g) m S sh	SS.SMx.CMx.CloMx
LF15	219_061#1_005	13:36:32	17/08/2010	355346.24	6214458.95	14.00	(g) m S sh	SS.SMx.CMx.CloMx
LF15	219_061#1_006	13:38:34	17/08/2010	355385.31	6214457.03	14.00	(g) m S sh	SS.SMx.CMx
LF15	219_061#1_007	13:40:05	17/08/2010	355412.46	6214446.61	14.00	(g) m S sh	SS.SMx.CMx
LF15	219_061#2_002	13:47:50	17/08/2010	355297.93	6214657.74	12.00	(m) g S SH	SS.SMx.CMx
LF15	219_061#2_003	13:48:01	17/08/2010	355301.48	6214656.05	12.00	(m) g S SH	SS.SMx.CMx
LF15	219_061#2_004	13:48:54	17/08/2010	355324.28	6214648.66	12.00	(g) m S sh	SS.SMx.CMx
LF15	219_061#2_005	13:49:27	17/08/2010	355339.28	6214642.69	12.00	g s M sh	SS.SMx.CMx
LF15	219_061#2_006	13:50:43	17/08/2010	355371.95	6214635.84	12.00	m g S sh	SS.SMx.CMx.CloMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF15	219_061#2_009	13:52:55	17/08/2010	355436.79	6214620.53	12.00	s g M sh	SS.SMx.CMx
LF15	219_061#2_010	13:53:27	17/08/2010	355457.49	6214617.14	12.00	s g M sh	SS.SMx.CMx.CloMx
LF12	219_062#1_002	14:27:26	17/08/2010	358778.35	6218689.92	8.00	gS	SS.SMp.KSwSS
LF12	219_062#1_003	14:27:44	17/08/2010	358782.59	6218691.30	9.00	gS	SS.SMp.KSwSS
LF12	219_062#1_004	14:28:06	17/08/2010	358788.23	6218693.99	11.00	gS	SS.SMp.KSwSS
LF12	219_062#1_005	14:28:39	17/08/2010	358795.39	6218696.92	13.00	gS	SS.SCS.CCS
LF12	219_062#1_006	14:29:58	17/08/2010	358818.99	6218695.14	18.00	gS	SS.SCS.CCS
LF12	219_062#1_007	14:30:51	17/08/2010	358833.87	6218688.85	21.00	gS	SS.SCS.CCS
LF12	219_062#1_008	14:32:15	17/08/2010	358860.28	6218689.01	24.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_009	14:34:05	17/08/2010	358909.29	6218687.10	25.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_010	14:34:48	17/08/2010	358925.17	6218684.86	25.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_011	14:35:04	17/08/2010	358931.89	6218684.14	25.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_012	14:35:15	17/08/2010	358936.33	6218683.52	25.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_013	14:35:35	17/08/2010	358943.15	6218683.01	25.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_014	14:36:07	17/08/2010	358953.22	6218683.45	26.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_015	14:36:20	17/08/2010	358955.88	6218683.75	26.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_016	14:36:50	17/08/2010	358964.21	6218684.85	26.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_017	14:39:05	17/08/2010	359016.04	6218686.33	27.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_018	14:39:44	17/08/2010	359031.16	6218689.30	28.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_019	14:40:17	17/08/2010	359042.11	6218691.02	28.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_020	14:40:41	17/08/2010	359050.85	6218693.07	29.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_021	14:43:22	17/08/2010	359122.53	6218694.60	31.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_022	14:43:39	17/08/2010	359129.30	6218696.23	31.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#1_023	14:44:48	17/08/2010	359154.13	6218697.22	32.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#2_002	14:53:03	17/08/2010	358797.30	6218827.34	4.00	mS	SS.SSa.CMuSa
LF12	219_062#2_003	14:54:04	17/08/2010	358802.07	6218833.72	7.00	mS	SS.SSa.CMuSa
LF12	219_062#2_004	14:55:56	17/08/2010	358831.26	6218834.48	12.00	gS	SS.SSa.CMuSa
LF12	219_062#2_005	14:57:23	17/08/2010	358858.38	6218834.90	15.00	gS	SS.SSa.CMuSa
LF12	219_062#2_006	14:58:47	17/08/2010	358878.22	6218830.07	17.00	gS	SS.SSa.CMuSa
LF12	219_062#2_007	15:01:02	17/08/2010	358913.09	6218825.54	20.00	mS	SS.SSa.CMuSa
LF12	219_062#2_008	15:02:37	17/08/2010	358932.18	6218833.37	20.00	mS	SS.SSa.CMuSa
LF12	219_062#2_009	15:02:53	17/08/2010	358935.28	6218834.04	20.00	mS	SS.SSa.CMuSa

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF12	219_062#2_010	15:05:37	17/08/2010	358977.98	6218832.60	20.00	mS	SS.SSa.CMuSa
LF12	219_062#3_002	15:14:12	17/08/2010	358910.37	6218599.97	28.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#3_003	15:14:26	17/08/2010	358913.73	6218600.12	28.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#3_004	15:14:54	17/08/2010	358920.66	6218600.55	28.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#3_005	15:15:06	17/08/2010	358923.78	6218600.49	28.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#3_006	15:15:59	17/08/2010	358939.11	6218598.57	29.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#3_007	15:18:58	17/08/2010	358998.78	6218597.14	30.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#3_008	15:20:58	17/08/2010	359037.17	6218594.09	32.00	M	SS.SMu.CFiMu.SpnMeg
LF12	219_062#3_009	15:21:47	17/08/2010	359053.57	6218593.44	32.00	M	SS.SMu.CFiMu.SpnMeg
LF13	219_063#1_002	15:47:38	17/08/2010	358656.78	6216752.87	55.00	M	SS.SMu.CSaMu
LF13	219_063#1_003	15:49:18	17/08/2010	358694.10	6216766.03	56.00	M	SS.SMu.CSaMu
LF13	219_063#1_004	15:50:32	17/08/2010	358721.74	6216775.65	57.00	M	SS.SMu.CSaMu
LF13	219_063#1_005	15:52:00	17/08/2010	358753.56	6216784.44	57.00	M	SS.SMu.CSaMu
LF13	219_063#1_006	15:52:10	17/08/2010	358756.80	6216785.35	57.00	M	SS.SMu.CSaMu
LF13	219_063#1_007	15:53:31	17/08/2010	358788.12	6216796.38	56.00	M	SS.SMu.CSaMu
LF14	219_064#1_002	16:29:51	17/08/2010	356491.70	6211986.52	41.00	m S sh	SS.SMx.CMx
LF14	219_064#1_003	16:31:01	17/08/2010	356509.89	6211979.96	38.00	m S sh	SS.SMx.CMx
LF14	219_064#1_004	16:31:43	17/08/2010	356522.70	6211975.09	36.00	m S sh	SS.SMx.CMx
LF14	219_064#1_005	16:32:32	17/08/2010	356534.79	6211969.85	33.00	m S sh	SS.SMx.CMx
LF14	219_064#1_006	16:33:10	17/08/2010	356546.28	6211966.61	30.00	m S sh	SS.SMx.CMx
LF14	219_064#1_007	16:34:08	17/08/2010	356563.58	6211961.45	27.00	m S sh	SS.SMx.CMx
LF14	219_064#1_008	16:34:08	17/08/2010	356563.58	6211961.45	27.00	m S sh	SS.SMx.CMx
LF14	219_064#1_009	16:34:43	17/08/2010	356571.15	6211957.15	24.00	m S sh	SS.SMx.CMx
LF14	219_064#1_010	16:35:20	17/08/2010	356577.98	6211952.85	22.00	m S sh	SS.SSa.CMuSa
LF14	219_064#1_011	16:36:49	17/08/2010	356600.80	6211942.15	16.00	m S sh	SS.SSa.CMuSa
LF14	219_064#1_012	16:38:36	17/08/2010	356623.46	6211922.97	10.00	m S sh	SS.SSa.CMuSa
LF14	219_064#1_013	16:39:14	17/08/2010	356634.62	6211915.89	8.00	m S sh	SS.SMx.CMx
LF26	219_065#1_002	07:33:20	18/08/2010	354328.30	6193461.14	45.00	g M	SS.SMx.CMx
LF26	219_065#1_003	07:33:44	18/08/2010	354332.53	6193460.39	45.00	GM sh	SS.SMu.CSaMu.Afil
LF26	219_065#1_004	07:33:54	18/08/2010	354333.70	6193460.18	45.00	g M	SS.SMu.CSaMu.Afil
LF26	219_065#1_005	07:34:55	18/08/2010	354341.24	6193459.82	46.00	s M sh	SS.SMu.CSaMu
LF26	219_065#1_006	07:35:54	18/08/2010	354348.36	6193458.46	48.00	g M	SS.SMu.CSaMu.Afil

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF26	219_065#1_007	07:37:08	18/08/2010	354353.44	6193454.26	49.00	g M	SS.SMu.CSaMu.Afil
LF26	219_065#1_008	07:37:22	18/08/2010	354353.99	6193452.00	49.00	m G	CR.LCR.BrAs
LF26	219_065#1_009	07:37:38	18/08/2010	354354.27	6193449.54	49.00	g M	SS.SMx.CMx
LF26	219_065#1_010	07:38:32	18/08/2010	354358.33	6193447.51	50.00	g s M	SS.SMx.CMx
LF26	219_065#1_011	07:40:04	18/08/2010	354365.72	6193447.61	52.00	M	SS.SMu.CFiMu
LF26	219_065#1_012	07:41:00	18/08/2010	354370.13	6193449.23	52.00	M	SS.SMu.CFiMu
LF26	219_065#1_013	07:41:44	18/08/2010	354374.23	6193443.85	53.00	M	SS.SMu.CFiMu
LF26	219_065#1_014	07:43:07	18/08/2010	354381.49	6193445.73	53.00	M	SS.SMu.CFiMu
LF26	219_065#1_015	07:43:21	18/08/2010	354382.67	6193445.22	53.00	M	SS.SMu.CFiMu
LF26	219_065#1_016	07:44:22	18/08/2010	354386.45	6193444.23	54.00	M	SS.SMu.CSaMu.Afil
LF26	219_065#1_017	07:46:16	18/08/2010	354393.80	6193447.55	55.00	M	SS.SMu.CSaMu.Afil
LF26	219_065#1_018	07:48:29	18/08/2010	354401.83	6193442.65	56.00	M	SS.SMu.CSaMu.Afil
LF26	219_065#2_002	08:03:02	18/08/2010	354285.69	6193533.05	42.00	s M	SS.SMu.CSaMu.Afil
LF26	219_065#2_003	08:04:47	18/08/2010	354287.98	6193539.08	42.00	s M	SS.SMu.CSaMu.Afil
LF26	219_065#2_004	08:05:02	18/08/2010	354287.45	6193540.43	42.00	s M	SS.SMu.CSaMu
LF26	219_065#2_005	08:05:22	18/08/2010	354290.95	6193539.28	42.00	s M	SS.SMu.CSaMu
LF26	219_065#2_006	08:05:38	18/08/2010	354288.58	6193540.53	42.00	s M	SS.SMu.CSaMu
LF26	219_065#2_007	08:06:07	18/08/2010	354287.13	6193542.28	42.00	s M	SS.SMu.CSaMu.Afil
LF26	219_065#2_008	08:06:27	18/08/2010	354289.38	6193541.38	42.00	s M	SS.SMu.CSaMu.Afil
LF26	219_065#2_009	08:08:07	18/08/2010	354270.16	6193554.08	42.00	m S R	SS.SSa.CMuSa
LF26	219_065#2_010	08:08:15	18/08/2010	354268.50	6193550.24	42.00	s M G	CR.LCR.BrAs.AntAsH
LF26	219_065#2_011	08:08:31	18/08/2010	354269.32	6193546.41	42.00	m S R	CR.LCR.BrAs
LF26	219_065#2_012	08:08:56	18/08/2010	354270.17	6193545.59	42.00	s M G	CR.LCR.BrAs.AntAsH
LF26	219_065#2_013	08:09:53	18/08/2010	354273.14	6193544.87	42.00	s M	SS.SMu.CSaMu
LF26	219_065#2_014	08:10:21	18/08/2010	354274.87	6193545.29	42.00	s M	SS.SMu.CSaMu
LF26	219_065#2_015	08:11:26	18/08/2010	354278.74	6193543.90	42.00	s M	SS.SMu.CSaMu.Afil
LF26	219_065#2_016	08:12:30	18/08/2010	354281.78	6193547.34	42.00	s M	SS.SMu.CSaMu
LF26	219_065#3_002	08:24:57	18/08/2010	354336.40	6193357.01	58.00	s M	SS.SMu.CSaMu
LF26	219_065#3_003	08:25:30	18/08/2010	354341.45	6193359.66	58.00	s M	SS.SMu.CSaMu
LF26	219_065#3_004	08:27:31	18/08/2010	354359.38	6193365.15	58.00	s M	SS.SMu.CSaMu
LF26	219_065#3_005	08:29:26	18/08/2010	354378.72	6193368.77	58.00	s M	SS.SMu.CSaMu
LF26	219_065#3_006	08:29:43	18/08/2010	354382.93	6193370.88	58.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF26	219_065#3_007	08:31:15	18/08/2010	354399.84	6193379.89	58.00	M	SS.SMu.CFiMu
LF26	219_065#3_008	08:31:27	18/08/2010	354401.22	6193380.78	58.00	M	SS.SMu.CFiMu
LF26	219_065#3_009	08:34:04	18/08/2010	354424.82	6193392.57	58.00	M	SS.SMu.CFiMu
LF26	219_065#3_010	08:34:29	18/08/2010	354432.11	6193396.11	58.00	M	SS.SMu.CFiMu
LF26	219_065#3_011	08:34:50	18/08/2010	354435.70	6193397.97	58.00	s M	SS.SMu.CSaMu
LF23	219_067#1_002	09:17:23	18/08/2010	352735.61	6199077.29	21.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_003	09:17:48	18/08/2010	352734.63	6199081.66	20.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_004	09:18:08	18/08/2010	352734.27	6199085.99	19.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_005	09:18:24	18/08/2010	352734.42	6199089.74	20.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_006	09:18:38	18/08/2010	352734.85	6199092.62	20.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_007	09:19:18	18/08/2010	352737.71	6199099.02	19.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_008	09:20:01	18/08/2010	352740.65	6199104.56	19.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_009	09:20:49	18/08/2010	352740.51	6199111.70	18.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_010	09:21:14	18/08/2010	352740.26	6199115.41	18.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_011	09:21:35	18/08/2010	352739.06	6199118.10	18.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_012	09:21:52	18/08/2010	352737.99	6199120.10	18.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_013	09:22:18	18/08/2010	352736.11	6199122.88	17.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_014	09:22:42	18/08/2010	352734.32	6199126.04	16.00	m R	CR.HCR.(Xfa)
LF23	219_067#1_015	09:23:08	18/08/2010	352732.42	6199128.69	15.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_016	09:23:29	18/08/2010	352730.80	6199131.34	15.00	g S Sh	SS.SCS.CCS
LF23	219_067#1_017	09:23:47	18/08/2010	352729.61	6199133.58	15.00	s R	CR.HCR.(Xfa)
LF23	219_067#1_018	09:24:12	18/08/2010	352728.32	6199137.15	15.00	s R	IR.HIR.Ksed
LF23	219_067#1_019	09:24:21	18/08/2010	352727.53	6199138.44	15.00	s R	SS.SMx.CMx.OphMx
LF23	219_067#1_020	09:24:38	18/08/2010	352726.67	6199141.04	14.00	s R	SS.SMx.CMx.OphMx
LF23	219_067#1_021	09:25:02	18/08/2010	352726.60	6199145.10	14.00	s R	SS.SMx.CMx.OphMx
LF23	219_067#1_022	09:25:23	18/08/2010	352725.92	6199147.87	14.00	s R	SS.SMx.CMx.OphMx
LF23	219_067#1_023	09:25:54	18/08/2010	352725.18	6199152.13	14.00	s R	SS.SMx.CMx.OphMx
LF23	219_067#1_024	09:26:22	18/08/2010	352724.95	6199155.73	14.00	s R	SS.SMx.CMx.OphMx
LF23	219_067#1_025	09:26:52	18/08/2010	352724.53	6199159.82	14.00	s R	SS.SMx.CMx.OphMx
LF23	219_067#1_026	09:27:16	18/08/2010	352723.89	6199162.90	15.00	s R	CR.HCR.(Xfa)
LF23	219_067#1_027	09:27:28	18/08/2010	352723.58	6199164.48	15.00	s R	CR.HCR.(Xfa)
LF23	219_067#1_028	09:28:00	18/08/2010	352721.68	6199167.99	16.00	s R	CR.HCR.(Xfa)

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF23	219_067#1_029	09:28:13	18/08/2010	352720.83	6199169.36	16.00	s R	CR.HCR.(Xfa)
LF23	219_067#1_030	09:28:32	18/08/2010	352719.32	6199171.34	16.00	s R	CR.HCR.(Xfa)
LF23	219_067#1_031	09:29:07	18/08/2010	352717.91	6199175.68	16.00	g S Sh	SS.SSa.CMuSa
LF23	219_067#1_032	09:30:18	18/08/2010	352716.77	6199184.45	18.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#1_033	09:31:37	18/08/2010	352714.33	6199192.31	17.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#1_034	09:32:03	18/08/2010	352713.62	6199195.37	17.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#1_035	09:33:11	18/08/2010	352710.66	6199203.24	17.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#1_036	09:33:20	18/08/2010	352710.31	6199204.32	17.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#1_037	09:33:34	18/08/2010	352710.08	6199205.98	17.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#1_038	09:36:39	18/08/2010	352707.51	6199229.60	17.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#1_039	09:37:40	18/08/2010	352705.04	6199239.01	17.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#1_040	09:38:52	18/08/2010	352704.47	6199251.00	17.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#1_041	09:39:29	18/08/2010	352704.68	6199256.58	17.00	g S Sh	SS.SCS.CCS.(CbPb)
LF23	219_067#2_002	09:52:51	18/08/2010	352856.94	6199101.26	29.00	gmS	SS.SMx.CMx
LF23	219_067#2_003	09:53:34	18/08/2010	352862.04	6199106.86	29.00	gmS	SS.SMx.CMx
LF23	219_067#2_004	09:54:05	18/08/2010	352865.45	6199108.95	29.00	gmS	SS.SMx.CMx
LF23	219_067#2_005	09:54:35	18/08/2010	352869.32	6199109.98	30.00	gmS	SS.SMx.CMx
LF23	219_067#2_006	09:56:05	18/08/2010	352878.53	6199117.78	30.00	gmS	SS.SMx.CMx
LF23	219_067#2_007	09:57:43	18/08/2010	352888.04	6199127.88	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_008	09:58:28	18/08/2010	352891.35	6199130.02	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_009	09:59:19	18/08/2010	352895.05	6199133.40	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_010	09:59:51	18/08/2010	352896.31	6199135.77	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_011	10:00:02	18/08/2010	352895.80	6199134.31	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_012	10:01:44	18/08/2010	352901.22	6199148.00	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_013	10:02:25	18/08/2010	352901.68	6199151.17	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_014	10:03:06	18/08/2010	352898.88	6199155.27	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_015	10:03:39	18/08/2010	352906.69	6199157.00	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_016	10:05:34	18/08/2010	352903.79	6199167.48	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_017	10:07:30	18/08/2010	352905.83	6199183.68	31.00	gmS	SS.SMx.CMx
LF23	219_067#2_018	10:09:41	18/08/2010	352908.51	6199200.68	32.00	gmS	SS.SMx.CMx
LF21	219_068#1_002	10:35:52	18/08/2010	352695.63	6202728.65	46.00	M	SS.SMu.CFiMu
LF21	219_068#1_003	10:36:29	18/08/2010	352695.43	6202733.96	46.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF21	219_068#1_004	10:36:40	18/08/2010	352695.24	6202735.68	46.00	M	SS.SMu.CFiMu
LF21	219_068#1_005	10:38:19	18/08/2010	352693.92	6202753.00	46.00	M	SS.SMu.CFiMu
LF21	219_068#1_006	10:39:11	18/08/2010	352693.67	6202762.94	46.00	M	SS.SMu.CFiMu
LF21	219_068#1_007	10:40:45	18/08/2010	352695.46	6202781.15	46.00	M	SS.SMu.CFiMu
LF21	219_068#1_008	10:42:14	18/08/2010	352698.95	6202795.36	46.00	M	SS.SMu.CFiMu
LF21	219_068#1_009	10:44:43	18/08/2010	352697.87	6202823.71	45.00	M	SS.SMu.CFiMu
LF21	219_068#1_010	10:45:58	18/08/2010	352702.53	6202843.61	45.00	M	SS.SMu.CFiMu
LF21	219_068#1_011	10:46:28	18/08/2010	352704.85	6202851.59	44.00	M	SS.SMu.CFiMu
LF21	219_068#2_002	10:56:52	18/08/2010	352535.25	6202753.72	51.00	M	SS.SMu.CFiMu
LF21	219_068#2_003	10:57:53	18/08/2010	352530.42	6202770.10	51.00	M	SS.SMu.CFiMu
LF21	219_068#2_004	10:58:57	18/08/2010	352528.64	6202785.09	51.00	M	SS.SMu.CFiMu
LF21	219_068#2_005	10:59:49	18/08/2010	352528.11	6202796.79	51.00	M	SS.SMu.CFiMu
LF21	219_068#2_006	11:01:19	18/08/2010	352528.00	6202818.69	50.00	M	SS.SMu.CFiMu
LF21	219_068#2_007	11:02:37	18/08/2010	352528.43	6202837.07	50.00	M	SS.SMu.CFiMu
LF21	219_068#2_008	11:02:57	18/08/2010	352528.35	6202841.63	50.00	M	SS.SMu.CFiMu
LF21	219_068#2_009	11:03:19	18/08/2010	352528.21	6202846.63	49.00	M	SS.SMu.CFiMu
LF21	219_068#2_010	11:04:05	18/08/2010	352527.86	6202857.70	49.00	M	SS.SMu.CFiMu
LF21	219_068#2_011	11:04:49	18/08/2010	352529.23	6202867.09	49.00	M	SS.SMu.CFiMu
LF19	219_069#1_002	11:23:18	18/08/2010	352321.12	6204991.30	69.00	M	SS.SMu.CFiMu
LF19	219_069#1_003	11:23:45	18/08/2010	352319.43	6204994.99	69.00	M	SS.SMu.CFiMu
LF19	219_069#1_005	11:27:11	18/08/2010	352305.08	6205028.71	71.00	M	SS.SMu.CFiMu
LF19	219_069#1_009	11:30:59	18/08/2010	352287.72	6205061.15	75.00	M	SS.SMu.CFiMu
LF19	219_069#1_010	11:31:52	18/08/2010	352283.83	6205070.15	76.00	M	SS.SMu.CFiMu
LF19	219_069#1_011	11:33:44	18/08/2010	352276.61	6205086.63	76.00	M	SS.SMu.CFiMu
LF45	219_070#1_002	11:51:15	18/08/2010	353215.25	6204910.46	27.00	sM	SS.SMu.CSaMu
LF45	219_070#1_003	11:52:06	18/08/2010	353216.18	6204922.99	27.00	sM	SS.SMu.CSaMu.AfilNten
LF45	219_070#1_004	11:53:16	18/08/2010	353217.34	6204941.74	27.00	sM	SS.SMu.CSaMu.AfilNten
LF45	219_070#1_005	11:54:27	18/08/2010	353217.58	6204958.45	27.00	sM	SS.SMu.CSaMu.AfilNten
LF45	219_070#1_006	11:54:59	18/08/2010	353217.50	6204965.50	27.00	sM	SS.SMu.CSaMu
LF45	219_070#1_007	11:55:37	18/08/2010	353217.13	6204974.08	27.00	sM	SS.SMu.CSaMu
LF45	219_070#1_008	11:56:13	18/08/2010	353216.58	6204981.82	27.00	sM	SS.SMu.CSaMu
LF46	219_071#1_002	12:55:44	18/08/2010	353359.37	6208881.50	23.00	mG	SS.SCS.CCS

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF46	219_071#1_003	12:56:35	18/08/2010	353367.35	6208900.97	20.00	mG	SS.SCS.CCS
LF46	219_071#1_004	12:57:37	18/08/2010	353377.62	6208927.02	17.00	sG	SS.SCS.CCS
LF46	219_071#1_005	12:58:20	18/08/2010	353385.13	6208944.96	15.00	msG	SS.SMx.CMx.CloMx
LF46	219_071#1_006	12:59:06	18/08/2010	353392.02	6208963.79	13.00	msG	SS.SMx.CMx.CloMx
LF46	219_071#1_007	13:00:05	18/08/2010	353400.92	6208989.31	9.00	msG	SS.SMx.CMx.CloMx
LF46	219_071#1_008	13:00:53	18/08/2010	353406.84	6209011.89	7.00	msG	SS.SMx.CMx.CloMx
LF46	219_071#1_009	13:02:15	18/08/2010	353414.01	6209049.31	4.00	Seabed not visible	SS.SMp.KSwSS
LF46	219_071#2_002	13:09:31	18/08/2010	353435.70	6208823.62	12.00	msG	SS.SMx.CMx.CloMx
LF46	219_071#2_003	13:10:10	18/08/2010	353441.06	6208835.03	12.00	msG	SS.SMx.CMx.CloMx
LF46	219_071#2_004	13:10:44	18/08/2010	353444.98	6208846.61	12.00	msG	SS.SMx.CMx.CloMx
LF46	219_071#2_005	13:11:38	18/08/2010	353452.18	6208868.76	13.00	msG	SS.SMx.CMx
LF46	219_071#2_006	13:12:37	18/08/2010	353459.95	6208894.27	14.00	sM Sh	SS.SMx.CMx
LF46	219_071#2_007	13:14:03	18/08/2010	353471.18	6208927.04	12.00	sM Sh	SS.SMx.CMx
LF46	219_071#2_008	13:15:17	18/08/2010	353482.21	6208958.90	6.00	(g) mS	SS.SMp.KSwSS.LsacR.Sa
LF46	219_071#2_009	13:15:56	18/08/2010	353487.38	6208974.68	4.00	Seabed not visible	SS.SMp.KSwSS.LsacR.Sa
LF46	219_071#2_010	13:16:46	18/08/2010	353492.59	6208995.97	3.00	Seabed not visible	SS.SMp.KSwSS.LsacR.Sa
LF47	219_072#1_002	13:35:16	18/08/2010	351236.08	6208543.18	13.00	(g) mS	SS.SMx.CMx.CloMx
LF47	219_072#1_003	13:35:57	18/08/2010	351242.24	6208548.41	13.00	(g) mS	SS.SMx.CMx.CloMx
LF47	219_072#1_004	13:36:14	18/08/2010	351244.62	6208550.95	13.00	mS Sh	SS.SMx.CMx.CloMx
LF47	219_072#1_005	13:37:08	18/08/2010	351251.67	6208561.59	13.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#1_006	13:37:23	18/08/2010	351253.37	6208564.20	13.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#1_007	13:37:40	18/08/2010	351255.36	6208567.19	13.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#1_008	13:37:54	18/08/2010	351257.06	6208569.43	13.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#1_009	13:38:13	18/08/2010	351259.71	6208572.54	13.00	(g) mS Sh	SS.SSa.CMuSa
LF47	219_072#1_010	13:38:38	18/08/2010	351263.11	6208576.24	13.00	(g) mS Sh	SS.SSa.CMuSa
LF47	219_072#1_011	13:39:18	18/08/2010	351268.53	6208582.39	13.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#1_012	13:40:00	18/08/2010	351275.54	6208589.19	14.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#1_013	13:40:42	18/08/2010	351282.16	6208595.32	14.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#1_014	13:41:29	18/08/2010	351288.70	6208601.53	14.00	(g) mS Sh	SS.SMx.CMx.CloMx
LF47	219_072#1_015	13:42:17	18/08/2010	351296.12	6208609.71	14.00	(g) mS Sh	SS.SMx.CMx.CloMx
LF47	219_072#1_016	13:42:54	18/08/2010	351301.40	6208615.29	14.00	mS G	SS.SMx.CMx.CloMx
LF47	219_072#1_017	13:44:56	18/08/2010	351316.47	6208630.33	14.00	mS G	SS.SMx.CMx.CloMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF47	219_072#1_018	13:45:34	18/08/2010	351320.75	6208634.80	14.00	mS	SS.SSa.CMuSa
LF47	219_072#1_019	13:46:45	18/08/2010	351329.34	6208644.12	14.00	mS	SS.SSa.CMuSa
LF47	219_072#1_020	13:47:56	18/08/2010	351338.65	6208654.29	14.00	mS Sh	SS.SMx.CMx.CloMx
LF47	219_072#1_021	13:48:27	18/08/2010	351343.00	6208658.09	14.00	mS Sh	SS.SMx.CMx.CloMx
LF47	219_072#1_022	13:48:55	18/08/2010	351346.90	6208660.91	14.00	(g) mS	SS.SSa.CMuSa
LF47	219_072#1_023	13:49:48	18/08/2010	351353.44	6208666.73	14.00	mS	SS.SSa.CMuSa
LF47	219_072#1_024	13:51:22	18/08/2010	351364.57	6208678.03	14.00	G mS	SS.SMx.CMx.CloMx
LF47	219_072#1_025	13:51:40	18/08/2010	351367.18	6208680.02	14.00	mS G	SS.SMx.CMx.CloMx
LF47	219_072#1_026	13:52:59	18/08/2010	351378.38	6208687.44	13.00	mS G	SS.SMx.CMx.OphMx
LF47	219_072#2_002	14:02:43	18/08/2010	351247.33	6208717.59	10.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#2_003	14:04:09	18/08/2010	351254.32	6208725.69	10.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#2_004	14:05:07	18/08/2010	351260.88	6208728.03	10.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#2_005	14:06:42	18/08/2010	351279.46	6208740.22	10.00	mS Sh	SS.SMx.CMx
LF47	219_072#2_006	14:07:48	18/08/2010	351291.28	6208750.56	11.00	mS	SS.SSa.CMuSa
LF47	219_072#2_007	14:08:06	18/08/2010	351294.58	6208753.25	11.00	mS	SS.SSa.CMuSa
LF47	219_072#2_008	14:09:12	18/08/2010	351307.17	6208764.11	11.00	mS	SS.SSa.CMuSa
LF47	219_072#2_009	14:10:39	18/08/2010	351325.13	6208780.23	11.00	mS Sh	SS.SMx.CMx
LF47	219_072#2_010	14:11:38	18/08/2010	351339.18	6208792.60	11.00	mS	SS.SSa.CMuSa
LF47	219_072#2_011	14:13:50	18/08/2010	351374.45	6208816.10	11.00	mS Sh	SS.SSa.CMuSa
LF47	219_072#2_012	14:14:34	18/08/2010	351391.12	6208823.57	11.00	(g) mS	SS.SMx.CMx
LF47	219_072#2_013	14:14:55	18/08/2010	351399.57	6208827.53	11.00	(g) mS	SS.SMx.CMx
LF47	219_072#2_014	14:15:26	18/08/2010	351411.73	6208833.04	11.00	(g) mS	SS.SMp.KSwSS.LsacR.Sa
LF47	219_072#2_015	14:16:04	18/08/2010	351426.13	6208839.66	10.00	mS	SS.SMp.KSwSS.LsacR.Sa
LF47	219_072#2_016	14:16:26	18/08/2010	351433.91	6208843.18	10.00	mS	SS.SSa.CMuSa
LF47	219_072#2_017	14:16:42	18/08/2010	351438.98	6208845.42	9.00	mS	SS.SMp.KSwSS.LsacR.Sa
LF47	219_072#2_018	14:17:03	18/08/2010	351446.08	6208848.24	9.00	mS	SS.SMx.CMx.OphMx
LF47	219_072#2_019	14:17:45	18/08/2010	351460.37	6208854.61	8.00	mS	SS.SMx.CMx.OphMx
LF47	219_072#2_020	14:17:58	18/08/2010	351465.35	6208856.69	8.00	mS	SS.SMx.CMx.OphMx
LF47	219_072#2_021	14:19:04	18/08/2010	351490.20	6208866.17	8.00	mS	SS.SMx.CMx.OphMx
LF17	219_073#1_002	14:49:28	18/08/2010	347888.77	6210612.39	6.00	s M	SS.SMu.ISaMu
LF17	219_073#1_003	14:49:42	18/08/2010	347891.04	6210612.90	6.00	s M	SS.SMu.ISaMu
LF17	219_073#1_004	14:50:03	18/08/2010	347894.84	6210614.41	7.00	s M	SS.SMu.ISaMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF17	219_073#1_005	14:50:49	18/08/2010	347902.57	6210618.36	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_006	14:51:43	18/08/2010	347906.47	6210622.56	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_007	14:52:10	18/08/2010	347908.68	6210624.67	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_008	14:52:51	18/08/2010	347916.26	6210628.37	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_009	14:53:56	18/08/2010	347923.48	6210635.17	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_010	14:53:56	18/08/2010	347923.48	6210635.17	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_011	14:55:28	18/08/2010	347933.21	6210644.27	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_012	14:57:10	18/08/2010	347945.06	6210651.69	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_013	14:58:12	18/08/2010	347952.12	6210655.92	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_014	14:59:16	18/08/2010	347959.06	6210660.58	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_015	14:59:50	18/08/2010	347961.95	6210663.64	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_016	15:00:48	18/08/2010	347967.00	6210669.52	7.00	s M	SS.SMu.ISaMu
LF17	219_073#1_017	15:01:41	18/08/2010	347971.11	6210674.04	7.00	s M	SS.SMu.ISaMu
LF17	219_073#2_002	15:09:26	18/08/2010	348037.53	6210533.87	8.00	s M	SS.SMu.ISaMu
LF17	219_073#2_003	15:09:56	18/08/2010	348042.25	6210533.95	8.00	s M	SS.SMu.ISaMu
LF17	219_073#2_004	15:10:57	18/08/2010	348050.27	6210530.82	8.00	s M	SS.SMu.ISaMu
LF17	219_073#2_005	15:11:40	18/08/2010	348052.84	6210525.31	8.00	s M	SS.SMu.ISaMu
LF17	219_073#2_006	15:12:29	18/08/2010	348057.84	6210521.80	8.00	s M	SS.SMu.ISaMu
LF17	219_073#2_007	15:13:30	18/08/2010	348064.75	6210520.50	8.00	s M	SS.SMu.ISaMu
LF17	219_073#2_008	15:13:54	18/08/2010	348067.76	6210520.21	8.00	s M	SS.SMu.ISaMu
LF17	219_073#2_014	15:20:20	18/08/2010	348114.45	6210500.65	8.00	s M	SS.SMu.ISaMu
LF11	219_074#1_002	09:03:06	19/08/2010	360396.92	6219684.03	23.00	gS	SS.SCS.CCS
LF11	219_074#1_003	09:03:59	19/08/2010	360401.36	6219689.09	22.00	gS	SS.SCS.CCS
LF11	219_074#1_004	09:04:57	19/08/2010	360406.22	6219695.99	22.00	gS	SS.SCS.CCS
LF11	219_074#1_005	09:05:21	19/08/2010	360407.61	6219700.34	21.00	G	SS.SCS.CCS
LF11	219_074#1_006	09:06:07	19/08/2010	360410.45	6219709.13	21.00	gS	SS.SCS.CCS
LF11	219_074#1_007	09:06:58	19/08/2010	360417.00	6219719.91	20.00	gS	SS.SCS.CCS
LF11	219_074#1_008	09:07:25	19/08/2010	360420.55	6219725.17	20.00	gS	SS.SCS.CCS
LF11	219_074#1_009	09:07:40	19/08/2010	360422.39	6219727.84	20.00	gS	SS.SCS.CCS
LF11	219_074#1_010	09:08:29	19/08/2010	360429.28	6219735.39	19.00	gS	SS.SCS.CCS
LF11	219_074#1_011	09:08:46	19/08/2010	360431.35	6219738.30	19.00	gS	SS.SCS.CCS
LF11	219_074#1_012	09:09:00	19/08/2010	360433.09	6219740.46	19.00	gS	SS.SCS.CCS

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF11	219_074#1_013	09:09:10	19/08/2010	360434.45	6219742.09	19.00	gS	SS.SCS.CCS
LF11	219_074#1_014	09:09:30	19/08/2010	360437.66	6219745.39	19.00	gS	SS.SCS.CCS
LF11	219_074#1_015	09:09:46	19/08/2010	360440.44	6219747.34	18.00	gS	SS.SCS.CCS
LF11	219_074#1_016	09:09:58	19/08/2010	360441.99	6219747.89	18.00	(g) S	SS.SCS.CCS
LF11	219_074#1_017	09:11:05	19/08/2010	360449.10	6219758.09	18.00	(g) S	SS.SCS.CCS
LF11	219_074#1_018	09:12:00	19/08/2010	360454.25	6219764.76	18.00	gS	SS.SCS.CCS
LF11	219_074#1_019	09:13:03	19/08/2010	360459.12	6219771.16	17.00	gS	SS.SCS.CCS
LF11	219_074#1_020	09:14:08	19/08/2010	360461.00	6219779.01	17.00	gS	SS.SCS.CCS
LF11	219_074#1_021	09:16:54	19/08/2010	360477.73	6219792.08	17.00	gS	SS.SCS.CCS
LF11	219_074#1_022	09:17:03	19/08/2010	360478.66	6219792.93	17.00	gS	SS.SCS.CCS
LF11	219_074#1_023	09:17:55	19/08/2010	360483.65	6219798.23	17.00	gS	SS.SCS.CCS
LF11	219_074#1_024	09:18:20	19/08/2010	360485.55	6219800.45	17.00	gS	SS.SCS.CCS
LF11	219_074#1_025	09:18:39	19/08/2010	360487.90	6219801.83	17.00	gS	SS.SCS.CCS
LF11	219_074#1_026	09:19:16	19/08/2010	360492.48	6219804.42	17.00	gS	SS.SCS.CCS
LF11	219_074#1_027	09:20:20	19/08/2010	360503.94	6219809.57	17.00	gS	SS.SCS.CCS
LF11	219_074#1_028	09:21:18	19/08/2010	360514.95	6219813.39	17.00	gS	SS.SCS.CCS
LF11	219_074#1_029	09:22:38	19/08/2010	360533.14	6219816.26	17.00	gS	SS.SCS.CCS
LF11	219_074#2_002	09:30:27	19/08/2010	360326.75	6219758.05	6.00	Seabed not visible	SS.SMp.KSwSS
LF11	219_074#2_003	09:31:25	19/08/2010	360325.66	6219769.64	3.00	Seabed not visible	SS.SMp.KSwSS
LF11	219_074#2_004	09:32:13	19/08/2010	360329.72	6219777.44	5.00	Seabed not visible	SS.SMp.KSwSS
LF11	219_074#2_005	09:32:24	19/08/2010	360330.75	6219774.97	5.00	gS	SS.SMp.KSwSS
LF11	219_074#2_006	09:32:35	19/08/2010	360332.54	6219773.20	5.00	gS	SS.SMp.KSwSS
LF11	219_074#2_007	09:33:16	19/08/2010	360342.35	6219775.37	4.00	gS	SS.SMx.CMx.OphMx
LF11	219_074#2_008	09:33:17	19/08/2010	360342.59	6219775.53	4.00	Seabed not visible	SS.SMx.CMx.OphMx
LF11	219_074#2_009	09:33:58	19/08/2010	360351.49	6219782.29	4.00	G	SS.SMx.CMx.OphMx
LF11	219_074#2_010	09:34:21	19/08/2010	360355.93	6219785.66	3.00	Seabed not visible	SS.SMx.CMx.OphMx
LF11	219_074#2_011	09:35:35	19/08/2010	360371.01	6219800.13	3.00	Seabed not visible	SS.SMx.CMx.OphMx
LF11	219_074#2_012	09:36:46	19/08/2010	360381.66	6219815.14	4.00	Seabed not visible	SS.SMx.CMx.OphMx
LF11	219_074#2_013	09:37:30	19/08/2010	360388.19	6219824.22	6.00	gS	SS.SMx.CMx.OphMx
LF11	219_074#2_014	09:38:10	19/08/2010	360395.51	6219831.61	7.00	gS	SS.SMx.CMx.OphMx
LF11	219_074#2_015	09:38:19	19/08/2010	360397.68	6219833.27	7.00	gS	SS.SMx.CMx.OphMx
LF11	219_074#2_016	09:38:54	19/08/2010	360407.37	6219839.69	8.00	gS	SS.SMx.CMx.OphMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF11	219_074#2_017	09:40:23	19/08/2010	360436.62	6219852.05	10.00	gS	SS.SMx.CMx.OphMx
LF11	219_074#2_018	09:41:57	19/08/2010	360460.60	6219850.41	13.00	gS	SS.SMp.KSwSS
LF11	219_074#2_019	09:42:22	19/08/2010	360464.82	6219849.91	13.00	gS	SS.SMx.CMx.OphMx
LF11	219_074#2_020	09:43:22	19/08/2010	360475.35	6219852.34	14.00	gS	SS.SCS.CCS
LF11	219_074#2_021	09:45:19	19/08/2010	360501.50	6219858.96	16.00	gS	SS.SMx.CMx.OphMx
LF11	219_074#2_022	09:45:34	19/08/2010	360504.89	6219858.95	16.00	gS	SS.SMx.CMx.OphMx
LF10	219_075#1_002	10:05:13	19/08/2010	361390.48	6220351.08	23.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_003	10:05:51	19/08/2010	361398.92	6220351.18	22.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_004	10:06:27	19/08/2010	361406.92	6220351.66	21.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_005	10:07:14	19/08/2010	361416.94	6220352.28	21.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_006	10:07:46	19/08/2010	361423.46	6220353.10	20.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_007	10:08:35	19/08/2010	361435.34	6220354.39	19.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_008	10:09:19	19/08/2010	361446.48	6220354.69	18.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_009	10:10:37	19/08/2010	361466.41	6220357.60	16.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_010	10:11:22	19/08/2010	361478.37	6220359.17	15.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_011	10:12:19	19/08/2010	361489.54	6220362.50	14.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_012	10:14:18	19/08/2010	361520.02	6220370.53	12.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_013	10:14:41	19/08/2010	361524.63	6220372.42	12.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#1_014	10:15:21	19/08/2010	361534.33	6220376.14	12.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_002	10:29:38	19/08/2010	361394.61	6220422.47	27.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_003	10:30:31	19/08/2010	361401.60	6220422.97	27.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_004	10:30:49	19/08/2010	361405.62	6220422.93	27.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_005	10:31:53	19/08/2010	361415.99	6220423.05	26.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_006	10:32:20	19/08/2010	361420.83	6220422.10	26.00	RS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_007	10:32:51	19/08/2010	361426.53	6220421.64	25.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_008	10:33:55	19/08/2010	361438.59	6220421.86	24.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_009	10:34:51	19/08/2010	361449.24	6220422.54	23.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_010	10:35:29	19/08/2010	361456.93	6220423.65	23.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_011	10:35:48	19/08/2010	361460.47	6220424.10	22.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_012	10:36:57	19/08/2010	361472.59	6220425.80	21.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_013	10:37:15	19/08/2010	361475.87	6220426.34	21.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_014	10:38:02	19/08/2010	361484.37	6220427.36	21.00	gS Sh	SS.SMx.CMx.OphMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF10	219_075#2_015	10:38:40	19/08/2010	361490.95	6220429.02	21.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_016	10:39:45	19/08/2010	361497.71	6220432.21	21.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_017	10:41:45	19/08/2010	361515.34	6220435.93	20.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_018	10:42:57	19/08/2010	361523.79	6220437.50	19.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_019	10:43:50	19/08/2010	361528.16	6220439.33	19.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_020	10:44:17	19/08/2010	361530.25	6220440.23	19.00	gS Sh	SS.SMx.CMx.OphMx
LF10	219_075#2_021	10:45:51	19/08/2010	361539.62	6220434.60	19.00	gS Sh	SS.SMx.CMx.OphMx
LF08	219_076#1_002	11:18:56	19/08/2010	365171.76	6224250.64	76.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_003	11:19:05	19/08/2010	365172.27	6224252.00	76.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_004	11:20:00	19/08/2010	365175.23	6224262.04	77.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_005	11:20:24	19/08/2010	365177.60	6224266.66	77.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_006	11:21:32	19/08/2010	365185.86	6224279.45	77.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_007	11:22:37	19/08/2010	365188.89	6224294.99	78.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_008	11:22:52	19/08/2010	365189.28	6224297.92	78.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_009	11:24:17	19/08/2010	365203.62	6224301.17	79.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_010	11:24:29	19/08/2010	365205.90	6224302.42	80.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_011	11:25:02	19/08/2010	365212.83	6224306.10	80.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_012	11:25:28	19/08/2010	365216.94	6224311.97	80.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_013	11:26:27	19/08/2010	365228.62	6224314.73	80.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_014	11:27:15	19/08/2010	365236.80	6224316.33	80.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_015	11:29:50	19/08/2010	365258.23	6224322.56	83.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_016	11:30:06	19/08/2010	365259.27	6224326.42	83.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_017	11:31:30	19/08/2010	365275.98	6224332.25	85.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_018	11:34:54	19/08/2010	365307.29	6224333.89	85.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_019	11:35:20	19/08/2010	365311.08	6224335.37	86.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_020	11:36:40	19/08/2010	365318.74	6224338.58	86.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_021	11:38:00	19/08/2010	365332.85	6224333.50	86.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_022	11:39:48	19/08/2010	365336.51	6224348.95	85.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#1_023	11:40:30	19/08/2010	365343.67	6224351.48	85.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#2_002	11:55:05	19/08/2010	365094.35	6224409.20	81.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#2_003	11:55:50	19/08/2010	365090.55	6224418.80	81.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#2_004	11:57:05	19/08/2010	365096.07	6224428.02	81.00	M	SS.SMu.CFiMu.SpnMeg

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF08	219_076#2_005	11:57:39	19/08/2010	365101.75	6224431.98	81.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#2_006	11:59:07	19/08/2010	365120.21	6224441.88	82.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#2_007	12:00:38	19/08/2010	365134.12	6224449.52	83.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#2_008	12:01:10	19/08/2010	365138.47	6224452.03	83.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#2_009	12:03:32	19/08/2010	365158.94	6224464.41	84.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#2_010	12:05:51	19/08/2010	365177.51	6224469.13	85.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#2_011	12:06:39	19/08/2010	365183.40	6224474.20	86.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_002	12:31:51	19/08/2010	365141.45	6224331.34	80.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_003	12:33:15	19/08/2010	365151.69	6224358.54	79.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_004	12:34:58	19/08/2010	365160.99	6224341.24	79.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_005	12:37:05	19/08/2010	365179.04	6224340.80	79.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_006	12:37:30	19/08/2010	365189.28	6224332.73	79.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_007	12:39:38	19/08/2010	365202.44	6224342.32	80.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_008	12:42:07	19/08/2010	365212.87	6224365.65	81.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_009	12:42:32	19/08/2010	365214.69	6224369.95	81.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_010	12:43:00	19/08/2010	365214.52	6224376.13	81.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_011	12:44:20	19/08/2010	365217.73	6224384.80	81.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_012	12:45:48	19/08/2010	365216.50	6224399.90	83.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_013	12:47:43	19/08/2010	365230.44	6224409.22	84.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_014	12:49:00	19/08/2010	365229.26	6224433.39	87.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_015	12:49:49	19/08/2010	365237.60	6224435.81	88.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_016	12:50:42	19/08/2010	365250.48	6224429.07	89.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_017	12:52:53	19/08/2010	365263.36	6224444.06	91.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_018	12:54:18	19/08/2010	365274.83	6224451.27	92.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_019	12:55:50	19/08/2010	365286.53	6224458.67	92.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_020	12:56:47	19/08/2010	365294.96	6224463.53	92.00	M	SS.SMu.CFiMu.SpnMeg
LF08	219_076#3_021	12:57:04	19/08/2010	365296.96	6224464.62	92.00	M	SS.SMu.CFiMu.SpnMeg
LF49	219_077#1_002	13:38:34	19/08/2010	362073.11	6223399.02	3.00	R	IR.LIR.K.Lsac
LF49	219_077#1_003	13:39:14	19/08/2010	362091.49	6223429.19	2.00	R	IR.LIR.K.Lsac
LF49	219_077#1_004	13:40:34	19/08/2010	362114.73	6223439.31	5.00	(g) S	SS.SMp.KSwSS.LsacR.Sa
LF49	219_077#1_005	13:40:51	19/08/2010	362118.05	6223442.14	5.00	(g) S	SS.SMp.KSwSS.LsacR.Sa
LF49	219_077#1_006	13:41:34	19/08/2010	362125.28	6223449.16	5.00	S	SS.SMp.KSwSS.LsacR.Sa

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF49	219_077#1_007	13:42:10	19/08/2010	362132.22	6223455.19	5.00	S Sh	SS.SMp.KSwSS.LsacR.Sa
LF49	219_077#1_008	13:42:55	19/08/2010	362145.32	6223462.05	5.00	mS	SS.SSa.IMuSa
LF49	219_077#1_009	13:43:51	19/08/2010	362157.30	6223469.37	5.00	mS	SS.SSa.IMuSa
LF49	219_077#1_010	13:44:50	19/08/2010	362166.85	6223480.28	4.00	mS	SS.SSa.IMuSa
LF49	219_077#2_002	13:53:12	19/08/2010	362187.37	6223368.49	17.00	sM	SS.SMu.CSaMu
LF49	219_077#2_003	13:53:49	19/08/2010	362191.58	6223378.27	17.00	sM	SS.SMu.CSaMu
LF49	219_077#2_004	13:54:18	19/08/2010	362193.91	6223387.55	16.00	sM	SS.SMu.CSaMu
LF49	219_077#2_005	13:54:53	19/08/2010	362196.03	6223399.17	15.00	sM	SS.SMu.CSaMu
LF49	219_077#2_006	13:55:30	19/08/2010	362198.23	6223412.56	14.00	sM	SS.SMu.CSaMu
LF49	219_077#2_007	13:56:03	19/08/2010	362199.23	6223425.37	12.00	sM Sh	SS.SMu.CSaMu
LF49	219_077#2_008	13:56:43	19/08/2010	362200.66	6223440.99	10.00	mS	SS.SSa.CMuSa
LF49	219_077#2_009	13:57:07	19/08/2010	362202.20	6223451.54	9.00	mS	CR.HCR.(Xfa)
LF49	219_077#2_010	13:57:41	19/08/2010	362205.62	6223465.58	7.00	Seabed not visible	CR.HCR.(Xfa)
LF49	219_077#2_011	13:58:14	19/08/2010	362209.90	6223477.91	5.00	Seabed not visible	CR.HCR.(Xfa)
LF48	219_078#1_002	08:48:17	25/08/2010	366669.09	6224566.78	99.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_003	08:49:27	25/08/2010	366674.42	6224561.08	99.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_004	08:50:48	25/08/2010	366660.77	6224563.85	99.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_005	08:53:10	25/08/2010	366660.94	6224551.19	98.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_006	08:54:20	25/08/2010	366658.91	6224545.56	98.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_007	08:55:31	25/08/2010	366650.55	6224543.80	98.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_008	08:56:46	25/08/2010	366643.98	6224543.01	98.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_009	08:58:06	25/08/2010	366634.80	6224539.67	97.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_010	08:58:50	25/08/2010	366643.66	6224533.95	97.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_011	09:00:30	25/08/2010	366645.59	6224526.34	96.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_012	09:01:03	25/08/2010	366648.19	6224520.99	96.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_013	09:02:22	25/08/2010	366636.64	6224521.15	96.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_014	09:03:55	25/08/2010	366633.99	6224514.83	96.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#1_015	09:04:33	25/08/2010	366628.10	6224514.26	96.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#2_002	09:11:21	25/08/2010	366765.54	6224488.20	91.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#2_003	09:13:11	25/08/2010	366748.99	6224493.75	91.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#2_004	09:15:09	25/08/2010	366751.07	6224475.29	91.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#2_005	09:16:40	25/08/2010	366746.44	6224468.70	91.00	M	SS.SMu.CFiMu.MegMax

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF48	219_078#2_006	09:17:59	25/08/2010	366740.63	6224468.48	91.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#2_007	09:20:25	25/08/2010	366720.49	6224488.25	91.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#2_008	09:21:57	25/08/2010	366731.63	6224466.99	91.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#2_009	09:23:53	25/08/2010	366714.11	6224483.15	90.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#2_010	09:24:41	25/08/2010	366712.53	6224479.61	90.00	M	SS.SMu.CFiMu.MegMax
LF48	219_078#2_011	09:24:56	25/08/2010	366712.44	6224479.27	90.00	M	SS.SMu.CFiMu.SpnMeg
LF48	219_078#2_012	09:26:00	25/08/2010	366705.47	6224476.62	90.00	M	SS.SMu.CFiMu.SpnMeg
LF48	219_078#2_013	09:28:30	25/08/2010	366706.68	6224462.59	89.00	M	SS.SMu.CFiMu.MegMax
LF07	219_079#1_002	09:55:16	25/08/2010	368530.50	6227057.81	24.00	mS Sh	SS.SMx.CMx
LF07	219_079#1_003	09:55:56	25/08/2010	368537.85	6227063.08	25.00	gmS Sh	SS.SMx.CMx
LF07	219_079#1_004	09:56:28	25/08/2010	368544.73	6227066.92	25.00	mS Sh	SS.SMx.CMx
LF07	219_079#1_005	09:56:45	25/08/2010	368549.07	6227067.57	25.00	mS Sh	SS.SMx.CMx
LF07	219_079#1_007	09:58:02	25/08/2010	368559.89	6227085.17	26.00	mS Sh	SS.SMx.CMx
LF07	219_079#1_008	09:58:14	25/08/2010	368562.04	6227087.48	27.00	(g) mS Sh	SS.SMx.CMx
LF07	219_079#1_009	09:58:28	25/08/2010	368564.49	6227089.86	27.00	(g) mS Sh	SS.SMx.CMx
LF07	219_079#1_010	09:58:39	25/08/2010	368566.41	6227091.58	28.00	mS Sh	SS.SMx.CMx
LF07	219_079#1_011	09:59:10	25/08/2010	368570.50	6227094.75	29.00	(g) mS Sh	SS.SMx.CMx
LF07	219_079#1_012	09:59:50	25/08/2010	368577.32	6227100.00	30.00	SR	SS.SMx.CMx
LF07	219_079#1_013	09:59:59	25/08/2010	368578.77	6227101.23	30.00	sRG	SS.SMx.CMx
LF07	219_079#1_014	10:00:29	25/08/2010	368582.96	6227104.78	31.00	(g) mS Sh	SS.SMx.CMx
LF07	219_079#1_015	10:00:54	25/08/2010	368586.37	6227107.26	31.00	(g) mS Sh	SS.SMx.CMx
LF07	219_079#1_016	10:01:17	25/08/2010	368589.24	6227109.63	32.00	(g) mS Sh	SS.SMx.CMx
LF07	219_079#1_017	10:01:28	25/08/2010	368590.76	6227110.94	32.00	(g) mS Sh	SS.SMx.CMx
LF07	219_079#1_018	10:02:55	25/08/2010	368599.21	6227119.85	32.00	(g) mS Sh	SS.SMx.CMx
LF07	219_079#1_019	10:04:53	25/08/2010	368609.27	6227127.09	33.00	(g) mS Sh	SS.SMx.CMx
LF07	219_079#1_020	10:06:02	25/08/2010	368614.59	6227132.71	32.00	mS Sh	SS.SMx.CMx
LF07	219_079#1_021	10:06:17	25/08/2010	368614.64	6227135.20	32.00	mS Sh	SS.SMx.CMx
LF07	219_079#1_022	10:07:28	25/08/2010	368615.29	6227145.54	34.00	mS Sh	SS.SMx.CMx
LF07	219_079#1_023	10:07:40	25/08/2010	368616.36	6227146.56	34.00	R	SS.SMx.CMx
LF07	219_079#1_024	10:08:11	25/08/2010	368619.28	6227149.17	33.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_025	10:08:21	25/08/2010	368620.09	6227150.09	33.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_026	10:08:58	25/08/2010	368622.75	6227152.91	31.00	SR	CR.LCR.BrAs.NeoPro

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF07	219_079#1_027	10:09:04	25/08/2010	368623.38	6227153.25	31.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_028	10:09:46	25/08/2010	368627.32	6227155.49	27.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_029	10:10:12	25/08/2010	368627.52	6227159.40	26.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_030	10:10:40	25/08/2010	368627.03	6227163.15	27.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_031	10:10:53	25/08/2010	368628.34	6227164.64	27.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_032	10:11:43	25/08/2010	368632.65	6227170.27	26.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_033	10:12:16	25/08/2010	368635.89	6227173.86	26.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_034	10:13:22	25/08/2010	368638.36	6227182.66	23.00	mS	SS.SMx.CMx
LF07	219_079#1_035	10:14:19	25/08/2010	368642.75	6227189.72	24.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#1_036	10:15:35	25/08/2010	368648.34	6227198.29	23.00	mS	SS.SMx.CMx
LF07	219_079#1_037	10:16:24	25/08/2010	368656.34	6227204.16	20.00	SR	SS.SMx.CMx
LF07	219_079#1_038	10:17:50	25/08/2010	368664.61	6227219.38	19.00	mS	SS.SMx.CMx
LF07	219_079#2_002	10:30:33	25/08/2010	368603.52	6227055.31	50.00	sM	SS.SMx.CMx
LF07	219_079#2_003	10:30:47	25/08/2010	368604.99	6227055.01	50.00	sM	SS.SMx.CMx
LF07	219_079#2_004	10:31:36	25/08/2010	368606.03	6227057.65	50.00	sM	SS.SMx.CMx
LF07	219_079#2_005	10:31:59	25/08/2010	368611.11	6227052.88	50.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#2_006	10:32:15	25/08/2010	368612.02	6227051.95	50.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#2_007	10:34:14	25/08/2010	368622.35	6227052.68	53.00	sM	SS.SMx.CMx
LF07	219_079#2_008	10:34:28	25/08/2010	368625.52	6227051.63	53.00	sM	SS.SMx.CMx
LF07	219_079#2_009	10:34:44	25/08/2010	368627.28	6227050.61	52.00	sM	SS.SMx.CMx
LF07	219_079#2_010	10:36:51	25/08/2010	368640.51	6227068.60	55.00	sM	SS.SMx.CMx
LF07	219_079#2_011	10:37:43	25/08/2010	368648.79	6227075.64	55.00	sM	SS.SMx.CMx
LF07	219_079#2_012	10:38:59	25/08/2010	368656.86	6227088.49	55.00	sM	SS.SMx.CMx
LF07	219_079#2_013	10:39:54	25/08/2010	368661.93	6227100.63	55.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#2_014	10:41:31	25/08/2010	368669.04	6227123.01	53.00	sM	SS.SMx.CMx
LF07	219_079#2_015	10:43:27	25/08/2010	368678.56	6227160.78	44.00	sM	SS.SMx.CMx
LF07	219_079#2_016	10:44:47	25/08/2010	368659.54	6227171.99	30.00	(g) sM	SS.SMx.CMx
LF07	219_079#2_017	10:45:33	25/08/2010	368648.18	6227180.94	22.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#2_018	10:46:26	25/08/2010	368639.07	6227186.15	16.00	SR	CR.LCR.BrAs.NeoPro
LF07	219_079#2_019	10:46:49	25/08/2010	368634.31	6227190.27	14.00	mS Sh	SS.SMx.CMx
LF07	219_079#2_020	10:47:06	25/08/2010	368631.79	6227193.98	13.00	SR	SS.SMx.CMx
LF07	219_079#2_021	10:47:25	25/08/2010	368628.66	6227196.75	12.00	SR	SS.SMx.CMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF07	219_079#2_022	10:48:10	25/08/2010	368619.82	6227200.47	9.00	S Sh	SS.SMx.CMx
LF07	219_079#2_023	10:48:57	25/08/2010	368608.90	6227207.07	5.00	S Sh	SS.SMx.CMx
LF07	219_079#2_024	10:49:33	25/08/2010	368599.37	6227210.07	4.00	S Sh	SS.SMx.CMx
LF06	219_080#1_002	11:10:45	25/08/2010	370525.44	6227594.90	25.00	mS	SS.SMx.CMx
LF06	219_080#1_003	11:11:19	25/08/2010	370522.30	6227599.20	25.00	mS	SS.SMx.CMx
LF06	219_080#1_004	11:12:24	25/08/2010	370524.47	6227603.23	24.00	mS	SS.SMx.CMx
LF06	219_080#1_005	11:13:19	25/08/2010	370528.53	6227602.58	22.00	mS	SS.SMx.CMx
LF06	219_080#1_006	11:14:24	25/08/2010	370541.76	6227601.09	20.00	mS	SS.SMx.CMx
LF06	219_080#1_007	11:15:28	25/08/2010	370553.45	6227593.36	16.00	mS	SS.SMx.CMx
LF06	219_080#1_008	11:16:33	25/08/2010	370571.73	6227579.97	10.00	mS	SS.SMx.CMx
LF06	219_080#1_009	11:17:28	25/08/2010	370585.75	6227569.68	5.00	mS	SS.SMx.CMx
LF06	219_080#1_010	11:18:00	25/08/2010	370590.80	6227565.03	3.00	gmS	SS.SMx.CMx
LF06	219_080#2_002	11:26:17	25/08/2010	370564.57	6227692.43	22.00	mS	SS.SMx.CMx
LF06	219_080#2_003	11:27:05	25/08/2010	370586.44	6227688.87	17.00	mS Sh	SS.SMx.CMx
LF06	219_080#2_004	11:28:19	25/08/2010	370607.91	6227693.65	11.00	mS Sh	SS.SMx.CMx
LF06	219_080#2_005	11:28:56	25/08/2010	370621.46	6227697.71	8.00	mS Sh	SS.SMx.CMx
LF06	219_080#2_006	11:29:40	25/08/2010	370634.37	6227702.48	4.00	mS	SS.SMx.CMx
LF06	219_080#2_007	11:30:50	25/08/2010	370660.22	6227709.86	2.00	mS	SS.SMp.KSwSS
LF05	219_081#1_002	12:05:17	25/08/2010	372442.09	6231532.08	32.00	sM	SS.SMu.CFiMu
LF05	219_081#1_003	12:05:44	25/08/2010	372444.55	6231534.62	32.00	sM	SS.SMu.CFiMu
LF05	219_081#1_004	12:06:37	25/08/2010	372450.16	6231540.53	32.00	sM	SS.SMu.CFiMu
LF05	219_081#1_005	12:07:29	25/08/2010	372455.30	6231546.15	32.00	sM	SS.SMu.CFiMu
LF05	219_081#1_006	12:09:18	25/08/2010	372466.69	6231556.07	30.00	sM	SS.SMu.CFiMu
LF05	219_081#1_007	12:10:19	25/08/2010	372471.22	6231564.17	29.00	sM	SS.SMu.CFiMu
LF05	219_081#1_008	12:10:38	25/08/2010	372472.87	6231566.05	29.00	mS R	CR.LCR.BrAs.NeoPro
LF05	219_081#1_009	12:11:51	25/08/2010	372479.17	6231572.96	27.00	mS R	CR.LCR.BrAs.AmenCio
LF05	219_081#1_010	12:12:03	25/08/2010	372480.34	6231574.35	27.00	mS R	CR.LCR.BrAs.NeoPro
LF05	219_081#1_011	12:12:18	25/08/2010	372481.80	6231576.03	27.00	mS R	CR.LCR.BrAs.AmenCio
LF05	219_081#1_012	12:12:27	25/08/2010	372482.80	6231576.74	27.00	mS R	CR.LCR.BrAs.AmenCio
LF05	219_081#1_013	12:12:52	25/08/2010	372484.95	6231578.99	28.00	mS R	CR.LCR.BrAs.NeoPro
LF05	219_081#1_014	12:13:30	25/08/2010	372486.53	6231583.24	27.00	mS R	CR.LCR.BrAs.NeoPro
LF05	219_081#1_015	12:14:02	25/08/2010	372488.91	6231585.99	27.00	mS R	CR.LCR.BrAs.AmenCio

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF05	219_081#1_016	12:14:37	25/08/2010	372492.20	6231589.02	28.00	mS R	CR.LCR.BrAs.NeoPro
LF05	219_081#1_017	12:15:22	25/08/2010	372496.87	6231593.49	29.00	mS R	CR.LCR.BrAs
LF05	219_081#1_018	12:16:08	25/08/2010	372501.21	6231597.67	29.00	sM	SS.SMu.CFiMu
LF05	219_081#1_019	12:16:22	25/08/2010	372502.10	6231599.17	29.00	sM	CR.LCR.BrAs.NeoPro
LF05	219_081#1_020	12:17:14	25/08/2010	372507.88	6231602.49	30.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_021	12:17:44	25/08/2010	372509.75	6231605.63	31.00	sM	SS.SMu.CFiMu
LF05	219_081#1_022	12:18:10	25/08/2010	372512.40	6231606.90	31.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_023	12:19:00	25/08/2010	372517.28	6231611.59	31.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_024	12:19:43	25/08/2010	372521.45	6231615.46	32.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_025	12:20:18	25/08/2010	372524.87	6231618.25	32.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_026	12:21:53	25/08/2010	372535.50	6231626.14	32.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_027	12:22:26	25/08/2010	372538.41	6231630.09	33.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_028	12:24:24	25/08/2010	372549.11	6231643.07	33.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_029	12:24:55	25/08/2010	372552.09	6231646.34	33.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_030	12:25:26	25/08/2010	372555.39	6231649.84	33.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_031	12:26:22	25/08/2010	372561.36	6231655.98	33.00	sM	SS.SMu.CFiMu.SpnMeg
LF05	219_081#1_032	12:27:33	25/08/2010	372568.98	6231662.86	33.00	sM	SS.SMu.CFiMu
LF05	219_081#1_033	12:28:15	25/08/2010	372573.46	6231667.16	33.00	sM	SS.SMu.CFiMu
LF05	219_081#1_034	12:28:37	25/08/2010	372575.69	6231669.50	33.00	sM	SS.SMu.CFiMu
LF05	219_081#2_002	12:37:17	25/08/2010	372451.92	6231458.07	16.00	(g) sM	SS.SMx.CMx
LF05	219_081#2_003	12:38:41	25/08/2010	372460.00	6231470.71	16.00	(g) sM	SS.SMx.CMx
LF05	219_081#2_004	12:40:03	25/08/2010	372466.09	6231478.77	16.00	(g) sM	SS.SMx.CMx
LF05	219_081#2_005	12:41:34	25/08/2010	372473.29	6231486.05	16.00	(g) sM	SS.SMx.CMx
LF05	219_081#2_006	12:42:51	25/08/2010	372481.80	6231491.64	14.00	(g) sM	SS.SMx.CMx
LF05	219_081#2_007	12:44:14	25/08/2010	372492.09	6231496.50	13.00	(g) sM	SS.SMx.CMx
LF05	219_081#2_008	12:45:32	25/08/2010	372500.55	6231502.26	12.00	(g) sM	SS.SMx.CMx
LF05	219_081#2_009	12:47:16	25/08/2010	372515.45	6231516.48	10.00	(g) sM	SS.SMx.CMx
LF05	219_081#2_010	12:47:24	25/08/2010	372516.78	6231517.81	9.00	mS R	SS.SMx.CMx
LF05	219_081#2_011	12:47:41	25/08/2010	372519.54	6231520.31	9.00	mS R	SS.SMx.CMx
LF05	219_081#2_012	12:47:53	25/08/2010	372521.42	6231521.92	10.00	mS R	SS.SMx.CMx
LF05	219_081#2_013	12:48:21	25/08/2010	372525.39	6231525.50	11.00	mS R	SS.SMx.CMx
LF05	219_081#2_014	12:48:37	25/08/2010	372527.36	6231527.01	11.00	mS R	SS.SMx.CMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF05	219_081#2_015	12:48:55	25/08/2010	372527.87	6231524.33	12.00	sM	SS.SMx.CMx
LF05	219_081#2_016	12:49:41	25/08/2010	372532.21	6231534.13	13.00	sM	SS.SMx.CMx
LF05	219_081#2_017	12:51:02	25/08/2010	372540.85	6231535.93	15.00	sM Sh	SS.SMx.CMx
LF05	219_081#2_018	12:52:40	25/08/2010	372555.84	6231556.02	16.00	sM Sh	SS.SMx.CMx
LF05	219_081#2_019	12:53:39	25/08/2010	372557.88	6231560.80	16.00	sM Sh	SS.SMx.CMx
LF05	219_081#2_020	12:55:24	25/08/2010	372567.37	6231565.55	16.00	sM Sh	SS.SMx.CMx
LF05	219_081#2_021	12:55:39	25/08/2010	372568.57	6231566.05	16.00	sM Sh	SS.SMx.CMx
LF05	219_081#2_022	12:58:05	25/08/2010	372584.74	6231577.79	15.00	sM Sh	SS.SMx.CMx
LF05	219_081#2_023	12:59:05	25/08/2010	372591.63	6231584.38	15.00	sM Sh	SS.SMx.CMx
LF02	219_082#1_002	13:18:28	25/08/2010	373038.84	6234340.00	11.00	sG	SS.SMx.CMx
LF02	219_082#1_003	13:19:50	25/08/2010	373071.91	6234348.75	4.00	Seabed not visible	SS.SMp.KSwSS
LF02	219_082#1_004	13:21:32	25/08/2010	373075.53	6234370.97	4.00	Seabed not visible	SS.SMp.KSwSS
LF02	219_082#1_005	13:23:15	25/08/2010	373078.88	6234390.51	4.00	Seabed not visible	SS.SMp.KSwSS
LF02	219_082#1_006	13:24:25	25/08/2010	373078.99	6234401.44	4.00	G	SS.SMp.KSwSS
LF02	219_082#1_007	13:25:30	25/08/2010	373078.78	6234416.61	4.00	Seabed not visible	SS.SMp.KSwSS
LF02	219_082#2_002	13:32:18	25/08/2010	372982.65	6234350.79	28.00	M	SS.SMu.CFiMu
LF02	219_082#2_003	13:33:20	25/08/2010	372983.06	6234357.12	29.00	M	SS.SMu.CFiMu.SpnMeg
LF02	219_082#2_004	13:33:36	25/08/2010	372982.16	6234360.28	29.00	M	SS.SMu.CFiMu.SpnMeg
LF02	219_082#2_005	13:35:33	25/08/2010	372978.58	6234384.45	29.00	M	SS.SMu.CFiMu
LF02	219_082#2_006	13:36:59	25/08/2010	372977.06	6234406.49	30.00	M	SS.SMu.CFiMu
LF02	219_082#2_007	13:39:35	25/08/2010	372975.34	6234439.71	32.00	M	SS.SMu.CFiMu.SpnMeg
LF02	219_082#2_008	13:41:57	25/08/2010	372974.69	6234483.73	31.00	M	SS.SMu.CFiMu.SpnMeg
LF02	219_082#2_009	13:43:16	25/08/2010	372978.22	6234492.93	31.00	M	SS.SMu.CFiMu.SpnMeg
LF02	219_082#2_010	13:45:01	25/08/2010	372978.67	6234509.37	32.00	M	SS.SMu.CFiMu.SpnMeg
LF02	219_082#2_011	13:45:56	25/08/2010	372973.18	6234520.53	32.00	M	SS.SMu.CFiMu
LF02	219_082#3_002	13:55:16	25/08/2010	372831.72	6234402.92	48.00	M	SS.SMu.CFiMu
LF02	219_082#3_003	13:57:26	25/08/2010	372831.55	6234421.22	48.00	M	SS.SMu.CFiMu
LF02	219_082#3_004	13:57:42	25/08/2010	372820.23	6234439.55	48.00	M	SS.SMu.CFiMu.SpnMeg
LF02	219_082#3_005	13:59:48	25/08/2010	372839.13	6234443.84	48.00	M	SS.SMu.CFiMu
LF02	219_082#3_006	14:01:50	25/08/2010	372827.39	6234479.63	47.00	M	SS.SMu.CFiMu
LF02	219_082#3_007	14:03:24	25/08/2010	372814.96	6234507.22	46.00	M	SS.SMu.CFiMu
LF02	219_082#3_008	14:04:38	25/08/2010	372808.63	6234521.00	46.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF02	219_082#3_009	14:06:10	25/08/2010	372805.43	6234541.50	45.00	M	SS.SMu.CFiMu
LF02	219_082#3_010	14:07:39	25/08/2010	372803.97	6234560.98	45.00	M	SS.SMu.CFiMu
LF02	219_082#3_011	14:07:59	25/08/2010	372799.91	6234565.27	44.00	M	SS.SMu.CFiMu
LF02	219_082#3_012	14:09:17	25/08/2010	372788.94	6234580.55	44.00	M	SS.SMu.CFiMu
LF01	219_083#1_002	14:20:35	25/08/2010	372487.43	6234977.27	2.00	mS	SS.SSa.IMuSa.ArelSa
LF01	219_083#1_003	14:21:16	25/08/2010	372485.73	6234972.56	2.00	mS	SS.SSa.IMuSa.ArelSa
LF01	219_083#1_004	14:22:54	25/08/2010	372477.85	6234947.30	2.00	mS	SS.SSa.IMuSa.ArelSa
LF01	219_083#1_005	14:23:50	25/08/2010	372475.47	6234937.55	2.00	S	SS.SMp.KSwSS
LF01	219_083#1_006	14:24:54	25/08/2010	372471.85	6234926.15	2.00	Seabed not visible	SS.SMp.KSwSS
LF01	219_083#1_007	14:26:11	25/08/2010	372466.48	6234908.57	2.00	msG	SS.SMp.KSwSS
LF01	219_083#1_008	14:26:24	25/08/2010	372465.97	6234905.67	2.00	msG	SS.SMp.KSwSS
LF01	219_083#1_009	14:28:01	25/08/2010	372460.28	6234884.83	3.00	msG	SS.SMp.KSwSS
LF01	219_083#1_010	14:28:45	25/08/2010	372456.52	6234874.68	3.00	msG	SS.SMp.KSwSS
LF51	219_084#1_002	14:39:00	25/08/2010	372517.73	6234502.03	56.00	M	SS.SMu.CFiMu
LF51	219_084#1_003	14:40:19	25/08/2010	372514.24	6234474.84	58.00	M	SS.SMu.CFiMu.SpnMeg
LF51	219_084#1_004	10:41:34	25/08/2010	372510.72	6234450.98	60.00	M	SS.SMu.CFiMu.SpnMeg
LF51	219_084#1_005	14:42:18	25/08/2010	372505.85	6234437.61	60.00	M	SS.SMu.CFiMu.SpnMeg
LF51	219_084#1_006	14:42:28	25/08/2010	372504.41	6234433.95	60.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_002	14:56:25	25/08/2010	372340.88	6234573.38	32.00	M	SS.SMu.CFiMu
LF51	219_084#2_003	14:56:50	25/08/2010	372338.57	6234567.00	33.00	M	SS.SMu.CFiMu
LF51	219_084#2_004	14:57:26	25/08/2010	372335.19	6234558.30	33.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_005	14:57:42	25/08/2010	372333.51	6234554.60	34.00	M	SS.SMu.CFiMu
LF51	219_084#2_006	14:58:09	25/08/2010	372330.27	6234548.20	34.00	M	SS.SMu.CFiMu
LF51	219_084#2_007	14:58:33	25/08/2010	372327.20	6234542.75	34.00	M	SS.SMu.CFiMu
LF51	219_084#2_008	15:00:48	25/08/2010	372310.62	6234513.74	35.00	M	SS.SMu.CFiMu
LF51	219_084#2_009	15:01:53	25/08/2010	372303.12	6234500.89	36.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_010	15:02:52	25/08/2010	372295.80	6234489.77	37.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_011	15:03:53	25/08/2010	372286.95	6234476.23	37.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_012	15:05:30	25/08/2010	372272.36	6234455.50	38.00	M	SS.SMu.CFiMu
LF51	219_084#2_013	15:05:37	25/08/2010	372271.32	6234454.06	38.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_014	15:06:10	25/08/2010	372266.52	6234447.66	39.00	M	SS.SMu.CFiMu
LF51	219_084#2_015	15:06:40	25/08/2010	372261.81	6234441.57	39.00	M	SS.SMu.CFiMu.MegMax

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF51	219_084#2_016	15:06:59	25/08/2010	372258.95	6234437.85	39.00	M	SS.SMu.CFiMu
LF51	219_084#2_017	15:07:55	25/08/2010	372250.02	6234426.54	39.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_018	15:09:40	25/08/2010	372230.91	6234404.36	38.00	M	SS.SMu.CFiMu
LF51	219_084#2_019	15:10:37	25/08/2010	372220.00	6234392.46	38.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_020	15:11:45	25/08/2010	372208.41	6234379.65	38.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_021	15:13:20	25/08/2010	372192.84	6234361.83	38.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_022	15:14:57	25/08/2010	372177.11	6234343.32	38.00	M	SS.SMu.CFiMu.MegMax
LF51	219_084#2_023	15:16:55	25/08/2010	372159.87	6234319.85	36.00	M	SS.SMu.CFiMu
LF51	219_084#2_024	15:18:01	25/08/2010	372150.17	6234305.80	35.00	M	SS.SMu.CFiMu.MegMax
LF04	219_085#1_002	15:54:10	25/08/2010	377522.82	6235268.68	52.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#1_003	15:56:07	25/08/2010	377512.33	6235267.06	52.00	M	SS.SMu.CFiMu
LF04	219_085#1_004	15:56:47	25/08/2010	377507.31	6235264.26	52.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#1_005	15:57:14	25/08/2010	377504.29	6235262.58	52.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#1_006	15:57:33	25/08/2010	377502.18	6235261.43	52.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#1_007	15:59:47	25/08/2010	377487.91	6235254.71	52.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#1_008	16:00:37	25/08/2010	377483.45	6235250.63	52.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#1_009	16:01:13	25/08/2010	377479.71	6235247.78	52.00	M	SS.SMu.CFiMu
LF04	219_085#1_010	16:01:45	25/08/2010	377476.40	6235245.22	52.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#1_011	16:04:09	25/08/2010	377460.10	6235234.20	51.00	M	SS.SMu.CFiMu
LF04	219_085#1_012	16:06:39	25/08/2010	377443.10	6235223.81	51.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#1_013	16:07:18	25/08/2010	377440.78	6235218.30	51.00	M	SS.SMu.CFiMu
LF04	219_085#2_002	16:17:16	25/08/2010	377513.63	6235193.37	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_003	16:18:52	25/08/2010	377518.70	6235173.36	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_004	16:19:19	25/08/2010	377517.04	6235171.06	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_005	16:19:44	25/08/2010	377513.58	6235171.77	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_006	16:20:34	25/08/2010	377508.48	6235171.48	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_007	16:20:45	25/08/2010	377507.74	6235170.96	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_008	16:21:06	25/08/2010	377506.08	6235169.82	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_009	16:21:23	25/08/2010	377504.81	6235168.86	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_010	16:21:35	25/08/2010	377503.63	6235168.33	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_011	16:22:36	25/08/2010	377497.17	6235166.69	49.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_012	16:23:43	25/08/2010	377490.82	6235165.29	49.00	M	SS.SMu.CFiMu.SpnMeg

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF04	219_085#2_013	16:24:12	25/08/2010	377487.47	6235164.90	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_014	16:25:00	25/08/2010	377484.57	6235162.92	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_015	16:25:20	25/08/2010	377483.65	6235161.78	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_016	16:25:55	25/08/2010	377481.09	6235159.85	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_017	16:26:15	25/08/2010	377479.47	6235158.95	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_018	16:27:17	25/08/2010	377475.05	6235154.97	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_019	16:29:05	25/08/2010	377466.48	6235145.71	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_020	16:29:42	25/08/2010	377463.23	6235143.28	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_021	16:30:05	25/08/2010	377461.72	6235141.27	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_022	16:30:52	25/08/2010	377458.94	6235137.04	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_023	16:32:02	25/08/2010	377452.12	6235128.65	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_024	16:32:45	25/08/2010	377450.49	6235126.32	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_025	16:33:44	25/08/2010	377445.42	6235122.98	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_026	16:34:15	25/08/2010	377442.79	6235120.68	48.00	M	SS.SMu.CFiMu.SpnMeg
LF04	219_085#2_027	16:35:04	25/08/2010	377438.23	6235117.08	48.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#1_002	07:37:09	26/08/2010	379384.10	6236678.57	8.00	G	SS.SCS.ICS
LF03	219_086#1_003	07:38:10	26/08/2010	379376.12	6236662.72	13.00	m g S	SS.SMx.CMx
LF03	219_086#1_004	07:38:46	26/08/2010	379373.62	6236652.43	15.00	m g S	SS.SMx.CMx
LF03	219_086#1_005	07:39:52	26/08/2010	379369.69	6236640.24	16.00	sM	SS.SMu.CFiMu.SpnMeg
LF03	219_086#1_006	07:40:33	26/08/2010	379366.44	6236629.44	16.00	sM	SS.SMu.CFiMu
LF03	219_086#1_007	07:41:39	26/08/2010	379356.18	6236613.20	15.00	sM	SS.SMx.CMx
LF03	219_086#1_008	07:42:25	26/08/2010	379346.52	6236603.90	15.00	sM	SS.SMx.CMx
LF03	219_086#1_009	07:43:59	26/08/2010	379329.61	6236590.22	16.00	(g)sM	SS.SMx.CMx
LF03	219_086#1_010	07:44:13	26/08/2010	379327.25	6236588.48	16.00	(g)sM	SS.SMx.CMx
LF03	219_086#1_011	07:44:53	26/08/2010	379319.47	6236581.94	16.00	(g)sM	SS.SMx.CMx
LF03	219_086#1_012	07:45:51	26/08/2010	379307.65	6236573.36	16.00	sM	SS.SMu.CFiMu.SpnMeg
LF03	219_086#1_013	07:46:05	26/08/2010	379305.13	6236571.80	16.00	man made structure	CR.LCR.BrAs.NeoPro
LF03	219_086#1_014	07:48:45	26/08/2010	379271.37	6236546.12	17.00	sM	SS.SMu.CFiMu
LF03	219_086#1_015	07:50:15	26/08/2010	379253.56	6236531.46	19.00	sM	SS.SMu.CFiMu
LF03	219_086#2_002	07:58:03	26/08/2010	379418.44	6236594.41	28.00	M	SS.SMu.CFiMu
LF03	219_086#2_003	07:58:24	26/08/2010	379417.27	6236591.20	28.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_004	07:58:39	26/08/2010	379415.85	6236587.28	28.00	M	SS.SMu.CFiMu.SpnMeg

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF03	219_086#2_005	07:59:03	26/08/2010	379413.40	6236581.65	29.00	G	CR.LCR.BrAs.NeoPro
LF03	219_086#2_006	07:59:32	26/08/2010	379410.75	6236575.75	29.00	M	SS.SMu.CFiMu
LF03	219_086#2_007	08:00:23	26/08/2010	379402.58	6236565.79	31.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_008	08:01:00	26/08/2010	379397.39	6236560.42	31.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_009	08:01:31	26/08/2010	379393.26	6236555.98	31.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_010	08:02:27	26/08/2010	379386.04	6236547.37	32.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_011	08:02:39	26/08/2010	379384.42	6236545.24	32.00	M	SS.SMu.CFiMu
LF03	219_086#2_012	08:03:24	26/08/2010	379377.84	6236540.61	32.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_013	08:03:44	26/08/2010	379374.38	6236537.44	32.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_014	08:04:08	26/08/2010	379371.14	6236535.09	32.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_015	08:05:08	26/08/2010	379361.20	6236527.47	32.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_016	08:05:27	26/08/2010	379359.12	6236524.80	32.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_017	08:06:59	26/08/2010	379345.52	6236514.41	32.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_018	08:07:09	26/08/2010	379344.73	6236512.80	32.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_019	08:07:23	26/08/2010	379342.77	6236509.81	33.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_020	08:07:54	26/08/2010	379338.24	6236503.76	33.00	M	SS.SMu.CFiMu
LF03	219_086#2_021	08:08:16	26/08/2010	379334.06	6236500.81	33.00	M	SS.SMu.CFiMu
LF03	219_086#2_022	08:08:33	26/08/2010	379331.35	6236499.87	33.00	M	SS.SMu.CFiMu
LF03	219_086#2_023	08:08:48	26/08/2010	379329.65	6236497.98	33.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_024	08:09:03	26/08/2010	379327.26	6236495.20	33.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_025	08:10:06	26/08/2010	379313.71	6236483.23	33.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_026	08:10:31	26/08/2010	379309.70	6236483.29	34.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_027	08:10:50	26/08/2010	379304.07	6236483.51	34.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_028	08:11:02	26/08/2010	379303.94	6236481.70	34.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_029	08:12:11	26/08/2010	379295.42	6236468.98	34.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_030	08:12:31	26/08/2010	379292.20	6236465.84	34.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_031	08:13:30	26/08/2010	379282.60	6236457.87	34.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_032	08:14:14	26/08/2010	379274.36	6236451.80	34.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_033	08:15:28	26/08/2010	379260.75	6236442.37	34.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_034	08:15:42	26/08/2010	379259.63	6236441.72	34.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_035	08:16:32	26/08/2010	379250.28	6236434.11	35.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_036	08:17:33	26/08/2010	379236.95	6236422.64	35.00	M	SS.SMu.CFiMu.SpnMeg
LF03	219_086#2_037	08:19:35	26/08/2010	379217.81	6236405.94	35.00	M	SS.SMu.CFiMu.SpnMeg

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF03	219_086#2_038	08:20:57	26/08/2010	379194.52	6236393.69	35.00	M	SS.SMu.CFiMu.Spnmeg
LF03	219_086#3_002	08:28:12	26/08/2010	379272.01	6236560.68	16.00	sM sh	SS.SMx.CMx
LF03	219_086#3_003	08:28:54	26/08/2010	379284.53	6236557.89	19.00	sM	SS.SMu.CFiMu.Spnmeg
LF03	219_086#3_004	08:29:10	26/08/2010	379290.39	6236557.16	20.00	sM	SS.SMu.CFiMu.Spnmeg
LF03	219_086#3_005	08:29:24	26/08/2010	379294.19	6236557.15	20.00	sM	SS.SMu.CFiMu.Spnmeg
LF03	219_086#3_006	08:30:06	26/08/2010	379306.40	6236558.15	21.00	sM	SS.SMu.CFiMu
LF03	219_086#3_007	08:31:02	26/08/2010	379322.44	6236562.06	23.00	sM	SS.SMu.CFiMu
LF03	219_086#3_008	08:31:34	26/08/2010	379330.15	6236564.36	24.00	sM	SS.SMu.CFiMu.Spnmeg
LF03	219_086#3_009	08:32:59	26/08/2010	379351.23	6236568.48	24.00	M G	CR.LCR.BrAs.NeoPro
LF03	219_086#3_010	08:33:10	26/08/2010	379353.63	6236568.95	24.00	M G	CR.LCR.BrAs.NeoPro
LF03	219_086#3_011	08:33:21	26/08/2010	379355.66	6236569.26	24.00	M G	CR.LCR.BrAs.NeoPro
LF03	219_086#3_012	08:34:08	26/08/2010	379368.41	6236570.44	25.00	M G	CR.LCR.BrAs.NeoPro
LF03	219_086#3_013	08:34:32	26/08/2010	379372.87	6236570.80	26.00	M G	CR.LCR.BrAs.NeoPro
LF03	219_086#3_014	08:36:05	26/08/2010	379405.65	6236572.91	30.00	sM	SS.SMu.CFiMu
LF03	219_086#3_015	08:37:00	26/08/2010	379417.11	6236573.28	31.00	sM	SS.SMu.CFiMu.Spnmeg
LF03	219_086#3_016	08:37:20	26/08/2010	379420.29	6236574.12	31.00	sM	SS.SMu.CFiMu
LF04	219_085#3_002	09:01:21	26/08/2010	377394.48	6235142.47	49.00	M	SS.SMu.CFiMu
LF04	219_085#3_003	09:02:29	26/08/2010	377416.81	6235130.47	49.00	M	SS.SMu.CFiMu
LF04	219_085#3_004	09:03:26	26/08/2010	377434.15	6235126.25	48.00	M	SS.SMu.CFiMu
LF04	219_085#3_005	09:04:47	26/08/2010	377449.94	6235123.65	48.00	M	SS.SMu.CFiMu
LF04	219_085#3_006	09:06:35	26/08/2010	377470.34	6235116.00	48.00	M	SS.SMu.CFiMu
LF04	219_085#3_007	09:07:52	26/08/2010	377494.99	6235107.70	48.00	M	SS.SMu.CFiMu
LF04	219_085#3_008	09:09:22	26/08/2010	377517.03	6235100.02	48.00	M	SS.SMu.CFiMu
LF04	219_085#3_009	09:10:15	26/08/2010	377528.40	6235095.78	47.00	M	SS.SMu.CFiMu
LF29	219_094#1_002	08:19:44	27/08/2010	357956.55	6189901.55	81.00	M	SS.SMu.CFiMu
LF29	219_094#1_003	08:21:12	27/08/2010	357979.48	6189901.08	79.00	M	SS.SMu.CFiMu
LF29	219_094#1_004	08:21:58	27/08/2010	357989.45	6189906.13	78.00	M	SS.SMu.CFiMu
LF29	219_094#1_005	08:23:14	27/08/2010	358007.50	6189914.41	77.00	M	SS.SMu.CFiMu
LF29	219_094#1_006	08:25:24	27/08/2010	358032.39	6189930.69	75.00	M	SS.SMu.CFiMu
LF29	219_094#1_007	08:26:39	27/08/2010	358051.87	6189936.27	74.00	M	SS.SMu.CFiMu
LF29	219_094#1_008	08:27:53	27/08/2010	358070.41	6189946.08	73.00	M	SS.SMu.CFiMu
LF29	219_094#1_009	08:29:23	27/08/2010	358093.24	6189954.93	71.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF29	219_094#1_010	08:30:31	27/08/2010	358108.21	6189958.49	70.00	M	SS.SMu.CFiMu
LF29	219_094#1_011	08:31:46	27/08/2010	358125.86	6189967.45	68.00	M	SS.SMu.CFiMu
LF29	219_094#1_012	08:32:10	27/08/2010	358132.98	6189968.46	68.00	M	SS.SMu.CFiMu
LF29	219_094#1_013	08:32:46	27/08/2010	358142.19	6189974.02	67.00	M	SS.SMu.CFiMu
LF29	219_094#1_014	08:33:44	27/08/2010	358148.09	6189987.68	66.00	M	SS.SMu.CFiMu
LF30	219_095#1_002	08:58:00	27/08/2010	361205.85	6188362.43	28.00	s M	SS.SMu.CSaMu
LF30	219_095#1_003	08:59:04	27/08/2010	361218.20	6188365.74	28.00	s M	SS.SMu.CSaMu.(VirOphPmax)
LF30	219_095#1_004	08:59:22	27/08/2010	361219.75	6188369.49	28.00	g M sh	SS.SMx.CMx
LF30	219_095#1_005	08:59:41	27/08/2010	361221.77	6188374.67	28.00	g M sh	SS.SMx.CMx
LF30	219_095#1_006	09:00:35	27/08/2010	361226.04	6188387.44	28.00	s M	SS.SMu.CSaMu
LF30	219_095#1_007	09:01:35	27/08/2010	361238.04	6188398.79	27.00	s M	SS.SMu.CSaMu
LF30	219_095#1_008	09:01:46	27/08/2010	361240.87	6188401.32	27.00	s M sh	SS.SMu.CSaMu
LF30	219_095#1_009	09:02:59	27/08/2010	361256.39	6188415.30	27.00	(g) s M sh	SS.SMx.CMx.CIloMx
LF30	219_095#1_010	09:04:14	27/08/2010	361274.25	6188430.87	26.00	s G M	SS.SMx.CMx
LF30	219_095#1_011	09:04:37	27/08/2010	361278.95	6188434.65	25.00	s G M	SS.SMx.CMx
LF30	219_095#1_012	09:05:05	27/08/2010	361285.12	6188439.13	25.00	s M G	SS.SMx.CMx
LF30	219_095#1_013	09:05:56	27/08/2010	361298.27	6188446.53	25.00	s M G	SS.SMx.CMx
LF30	219_095#1_014	09:06:10	27/08/2010	361301.55	6188448.37	25.00	s M G	SS.SMx.CMx
LF30	219_095#1_015	09:06:27	27/08/2010	361305.59	6188450.72	26.00	s M G	SS.SMx.CMx
LF30	219_095#1_016	09:06:50	27/08/2010	361311.41	6188453.76	26.00	s M G	SS.SMx.CMx
LF30	219_095#1_017	09:07:37	27/08/2010	361322.97	6188461.16	26.00	m S sh	SS.SSa.CMuSa.AbraAirr
LF30	219_095#1_018	09:09:00	27/08/2010	361341.10	6188475.82	25.00	m S sh	SS.SSa.CMuSa.AbraAirr
LF30	219_095#1_019	09:09:17	27/08/2010	361344.23	6188478.26	25.00	m S sh	SS.SSa.CMuSa.AbraAirr
LF30	219_095#1_020	09:10:51	27/08/2010	361368.50	6188493.94	25.00	m S	SS.SSa.CMuSa.AbraAirr
LF41	219_096#1_002	09:26:11	27/08/2010	361890.51	6188689.61	11.00	G	SS.SCS.CCS
LF41	219_096#1_003	09:26:37	27/08/2010	361899.04	6188692.54	12.00	G sh	SS.SMp.Mrl.Pcal.R (dead)
LF41	219_096#1_004	09:27:09	27/08/2010	361909.67	6188692.86	13.00	s G sh	SS.SCS.CCS
LF41	219_096#1_005	09:27:40	27/08/2010	361919.96	6188691.22	14.00	G sh	SS.SMp.Mrl.Pcal.R (dead)
LF41	219_096#1_006	09:28:17	27/08/2010	361930.65	6188687.98	15.00	G sh	SS.SMp.Mrl.Pcal.R (dead)
LF41	219_096#1_007	09:29:37	27/08/2010	361951.26	6188680.91	18.00	s G	SS.SCS.CCS
LF41	219_096#1_008	09:30:48	27/08/2010	361969.01	6188674.70	20.00	(s) m G	SS.SMx.CMx
LF41	219_096#1_009	09:31:24	27/08/2010	361977.07	6188672.27	20.00	M G	SS.SMx.CMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF41	219_096#1_010	09:32:11	27/08/2010	361987.84	6188667.79	21.00	(g) m S	SS.SSa.CMuSa.AbraAirr
LF41	219_096#2_002	09:40:05	27/08/2010	361800.87	6188819.40	5.00	G	SS.SMp.KSwSS.LsacR.Gv
LF41	219_096#2_003	09:40:40	27/08/2010	361806.32	6188816.03	5.00	G	SS.SMp.KSwSS.LsacR.Gv
LF41	219_096#2_004	09:41:08	27/08/2010	361809.66	6188812.45	5.00	G	SS.SMp.KSwSS.LsacR.Gv
LF41	219_096#2_005	09:41:41	27/08/2010	361813.75	6188809.07	5.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_006	09:43:48	27/08/2010	361830.39	6188789.66	6.00	G sh	SS.SMp.KSwSS.LsacR.Gv
LF41	219_096#2_007	09:44:02	27/08/2010	361831.96	6188788.27	6.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_008	09:44:57	27/08/2010	361840.15	6188781.90	6.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_009	09:45:07	27/08/2010	361841.51	6188780.53	6.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_010	09:45:28	27/08/2010	361843.58	6188777.63	6.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_011	09:46:12	27/08/2010	361849.25	6188769.89	6.00	G sh	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_012	09:46:54	27/08/2010	361855.27	6188762.07	7.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_014	09:47:20	27/08/2010	361859.53	6188758.18	7.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_015	09:47:40	27/08/2010	361863.00	6188754.99	7.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_016	09:48:04	27/08/2010	361866.84	6188751.08	8.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_017	09:48:20	27/08/2010	361869.09	6188748.57	8.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_018	09:48:43	27/08/2010	361872.23	6188744.80	8.00	(s) G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_019	09:49:18	27/08/2010	361878.15	6188736.98	8.00	G sh	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_020	09:50:01	27/08/2010	361885.35	6188726.78	9.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_021	09:50:18	27/08/2010	361888.48	6188723.34	9.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_022	09:50:36	27/08/2010	361891.80	6188720.72	9.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_023	09:50:53	27/08/2010	361895.57	6188718.68	10.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_024	09:51:32	27/08/2010	361902.83	6188716.55	11.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_025	09:52:08	27/08/2010	361909.73	6188715.16	12.00	(m) G	SS.SMp.Mrl.Pcal.R (dead)
LF41	219_096#2_026	09:52:32	27/08/2010	361913.80	6188714.39	12.00	(m) G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_027	09:53:14	27/08/2010	361922.68	6188713.33	13.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#2_028	09:53:43	27/08/2010	361928.67	6188712.47	14.00	m G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_002	10:40:54	27/08/2010	361869.08	6188894.42	4.00	G	SS.SCS.ICS
LF41	219_096#3_003	10:41:17	27/08/2010	361870.49	6188892.22	4.00	G	SS.SCS.ICS
LF41	219_096#3_004	10:42:29	27/08/2010	361872.92	6188880.72	5.00	G	IR.LIR.K.Sar
LF41	219_096#3_005	10:42:45	27/08/2010	361875.28	6188877.07	5.00	R	IR.LIR.K
LF41	219_096#3_006	10:43:16	27/08/2010	361882.16	6188875.27	5.00	R	IR.LIR.K

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF41	219_096#3_007	10:43:45	27/08/2010	361890.61	6188875.30	5.00	G	SS.SMp.KSwSS.LsacR.CbPb
LF41	219_096#3_008	10:45:02	27/08/2010	361912.58	6188878.40	5.00	Seabed not visible	SS.SMp.KSwSS.LsacR.CbPb
LF41	219_096#3_009	10:46:00	27/08/2010	361929.94	6188883.58	6.00	Seabed not visible	SS.SMp.KSwSS.LsacR.CbPb
LF41	219_096#3_011	10:46:32	27/08/2010	361937.73	6188887.76	6.00	Seabed not visible	SS.SMp.KSwSS.LsacR.CbPb
LF41	219_096#3_012	10:47:06	27/08/2010	361946.78	6188891.65	6.00	Seabed not visible	SS.SMp.KSwSS.LsacR.CbPb
LF41	219_096#3_013	10:47:41	27/08/2010	361957.64	6188893.58	6.00	Seabed not visible	SS.SMp.KSwSS.LsacR.CbPb
LF41	219_096#3_014	10:48:32	27/08/2010	361973.89	6188894.14	6.00	G	SS.SCS.ICS
LF41	219_096#3_015	10:50:08	27/08/2010	361996.55	6188887.99	7.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_016	10:50:28	27/08/2010	362000.87	6188884.50	7.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_017	10:50:45	27/08/2010	362004.71	6188882.48	7.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_018	10:51:05	27/08/2010	362008.61	6188880.67	7.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_019	10:51:24	27/08/2010	362012.14	6188878.67	7.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_020	10:52:03	27/08/2010	362018.27	6188874.71	8.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_021	10:52:31	27/08/2010	362022.48	6188871.51	8.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_022	10:53:07	27/08/2010	362028.27	6188868.10	9.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_023	10:53:33	27/08/2010	362031.86	6188865.52	9.00	G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_024	10:54:33	27/08/2010	362040.73	6188856.76	12.00	G sh	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_025	10:54:48	27/08/2010	362042.38	6188853.97	12.00	G sh	SS.SCS.ICS
LF41	219_096#3_026	10:55:15	27/08/2010	362046.90	6188848.63	13.00	m G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_027	10:55:48	27/08/2010	362052.41	6188841.26	14.00	m G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_028	10:56:20	27/08/2010	362057.42	6188835.13	15.00	(m) G	SS.SMp.Mrl.(Pcal)
LF41	219_096#3_030	10:57:07	27/08/2010	362065.30	6188821.83	16.00	m G	SS.SMp.Mrl.(Pcal)
LF39	219_097#1_002	11:22:48	27/08/2010	364962.49	6186054.33	18.00	m S sh	SS.SSa.CMuSa
LF39	219_097#1_003	11:24:03	27/08/2010	364968.39	6186037.02	18.00	m S sh	SS.SMx.CMx
LF39	219_097#1_004	11:25:16	27/08/2010	364974.78	6186022.22	18.00	m S sh	SS.SMx.CMx
LF39	219_097#1_005	11:26:30	27/08/2010	364982.29	6186006.88	18.00	m S sh	SS.SMx.CMx
LF39	219_097#1_006	11:27:28	27/08/2010	364987.97	6185995.44	18.00	m S sh	SS.SMx.CMx
LF39	219_097#1_007	11:28:40	27/08/2010	364996.66	6185982.69	18.00	m S sh	SS.SMx.CMx
LF39	219_097#1_008	11:30:12	27/08/2010	365010.39	6185967.27	19.00	m S sh	SS.SMx.CMx
LF39	219_097#1_009	11:30:57	27/08/2010	365016.82	6185959.10	19.00	m S sh	SS.SSa.CMuSa.AbraAirr
LF39	219_097#1_010	11:32:00	27/08/2010	365027.75	6185951.53	20.00	m S sh	SS.SSa.CMuSa.AbraAirr
LF39	219_097#1_011	11:33:17	27/08/2010	365037.81	6185936.08	20.00	m S sh	SS.SSa.CMuSa.AbraAirr

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF39	219_097#1_012	11:34:34	27/08/2010	365047.62	6185922.13	21.00	m S sh	SS.SSa.CMuSa.AbraAirr
LF39	219_097#1_013	11:35:36	27/08/2010	365057.31	6185912.63	22.00	m S sh	SS.SSa.CMuSa.AbraAirr
LF39	219_097#1_014	11:36:12	27/08/2010	365063.12	6185907.63	22.00	m S sh	SS.SSa.CMuSa.AbraAirr
LF39	219_097#1_015	11:37:28	27/08/2010	365077.06	6185899.09	23.00	m S sh	SS.SSa.CMuSa.(AalbNuc)
LF40	219_098#1_002	12:03:25	27/08/2010	363170.98	6185181.59	53.00	M	SS.SMu.CFiMu
LF40	219_098#1_003	12:04:42	27/08/2010	363185.61	6185168.38	53.00	M	SS.SMu.CFiMu
LF40	219_098#1_004	12:06:20	27/08/2010	363204.57	6185151.16	53.00	M	SS.SMu.CFiMu
LF40	219_098#1_005	12:07:50	27/08/2010	363222.76	6185136.48	53.00	M	SS.SMu.CFiMu
LF40	219_098#1_006	12:08:50	27/08/2010	363233.95	6185129.02	53.00	M	SS.SMu.CFiMu
LF40	219_098#1_007	12:10:36	27/08/2010	363253.71	6185114.26	53.00	M	SS.SMu.CFiMu
LF40	219_098#1_008	12:12:01	27/08/2010	363270.02	6185102.19	52.00	M	SS.SMu.CFiMu
LF40	219_098#1_009	12:13:30	27/08/2010	363285.23	6185091.16	52.00	M	SS.SMu.CFiMu
LF40	219_098#1_010	12:15:01	27/08/2010	363302.03	6185078.56	51.00	M	SS.SMu.CFiMu
LF40	219_098#1_011	12:15:55	27/08/2010	363309.37	6185071.32	51.00	M	SS.SMu.CFiMu
LF52	219_099#1_002	13:02:10	27/08/2010	361876.91	6191155.90	4.00	mS	SS.SSa.IMuSa
LF52	219_099#1_003	13:03:29	27/08/2010	361894.49	6191146.19	4.00	mS	SS.SSa.IMuSa
LF52	219_099#1_004	13:03:51	27/08/2010	361900.19	6191143.66	5.00	mS Sh	SS.SSa.IMuSa.ArelSa
LF52	219_099#1_005	13:04:49	27/08/2010	361913.30	6191141.80	5.00	mS	SS.SSa.IMuSa.ArelSa
LF52	219_099#1_006	13:06:05	27/08/2010	361934.60	6191134.08	6.00	mS	SS.SSa.IMuSa
LF52	219_099#1_007	13:07:02	27/08/2010	361950.36	6191126.85	8.00	mS	SS.SSa.IMuSa.ArelSa
LF52	219_099#1_008	13:08:04	27/08/2010	361967.10	6191119.53	9.00	mS	SS.SSa.IMuSa
LF52	219_099#1_009	13:09:03	27/08/2010	361982.46	6191114.64	10.00	mS	SS.SSa.IMuSa
LF52	219_099#1_010	13:09:03	27/08/2010	361982.46	6191114.64	10.00	mS	SS.SSa.IMuSa
LF52	219_099#1_011	13:09:50	27/08/2010	361996.77	6191113.11	11.00	mS	SS.SSa.IMuSa
LF27	219_100#1_002	08:27:07	28/08/2010	352265.13	6190950.90	14.00	m s G	SS.SMx.CMx
LF27	219_100#1_003	08:27:27	28/08/2010	352269.43	6190951.34	15.00	m s G	SS.SMx.CMx
LF27	219_100#1_004	08:28:20	28/08/2010	352273.12	6190956.65	16.00	m s G	SS.SMx.CMx
LF27	219_100#1_005	08:29:03	28/08/2010	352276.21	6190958.89	16.00	m s G	SS.SMx.CMx
LF27	219_100#1_006	08:30:02	28/08/2010	352280.37	6190965.92	18.00	m s G	SS.SMx.CMx
LF27	219_100#1_007	08:30:54	28/08/2010	352288.65	6190967.02	19.00	m s G	SS.SMx.CMx
LF27	219_100#1_008	08:31:59	28/08/2010	352300.28	6190975.69	22.00	m s G	SS.SMx.CMx
LF27	219_100#1_009	08:32:21	28/08/2010	352303.37	6190977.08	22.00	m s G	SS.SMx.CMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF27	219_100#1_010	09:33:04	28/08/2010	352308.87	6190985.76	24.00	m s G	SS.SMx.CMx
LF27	219_100#1_011	08:33:34	28/08/2010	352314.31	6190986.73	26.00	m s G	SS.SMx.CMx
LF27	219_100#1_012	08:34:10	28/08/2010	352321.90	6190992.33	28.00	m s G	SS.SMx.CMx
LF27	219_100#1_013	08:34:47	28/08/2010	352328.70	6190995.42	29.00	m s G	SS.SMx.CMx
LF27	219_100#1_014	08:35:02	28/08/2010	352332.00	6190995.39	30.00	m s G	SS.SMx.CMx
LF27	219_100#1_015	08:35:14	28/08/2010	352334.14	6190996.76	30.00	m s G	SS.SMx.CMx
LF27	219_100#1_016	08:35:57	28/08/2010	352336.71	6191002.02	31.00	m s G	SS.SMx.CMx
LF27	219_100#1_017	08:38:08	28/08/2010	352366.16	6191012.33	39.00	m s G	SS.SMx.CMx
LL55	219_101#1_002	10:01:08	30/08/2010	383485.58	6218778.36	32.00	sM	SS.SMu.CSaMu
LL55	219_101#1_003	10:01:55	30/08/2010	383478.42	6218777.52	32.00	sM R	SS.SMu.CSaMu
LL55	219_101#1_004	10:02:49	30/08/2010	383475.09	6218780.90	32.00	sM R	SS.SMu.CSaMu
LL55	219_101#1_005	10:03:54	30/08/2010	383472.33	6218786.77	32.00	sM R	SS.SMu.CSaMu
LL55	219_101#1_006	10:04:16	30/08/2010	383472.35	6218789.24	33.00	sM	SS.SMu.CSaMu
LL55	219_101#1_007	10:04:45	30/08/2010	383472.66	6218792.37	33.00	sM R	SS.SMu.CSaMu
LL55	219_101#1_008	10:05:06	30/08/2010	383472.64	6218794.57	33.00	sM Sh	SS.SMu.CSaMu
LL55	219_101#1_009	10:05:42	30/08/2010	383472.08	6218797.79	34.00	(g) sM Sh	SS.SMu.CSaMu
LL55	219_101#1_010	10:06:53	30/08/2010	383471.20	6218804.00	34.00	(g) sM Sh	SS.SMu.CSaMu
LL55	219_101#1_011	10:08:12	30/08/2010	383471.81	6218810.21	35.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_012	10:10:10	30/08/2010	383470.44	6218821.75	36.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_013	10:11:48	30/08/2010	383481.54	6218834.44	37.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_014	10:13:21	30/08/2010	383487.29	6218856.65	38.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_015	10:14:36	30/08/2010	383488.84	6218878.84	39.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_016	10:15:38	30/08/2010	383488.58	6218891.73	38.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_017	10:17:07	30/08/2010	383485.53	6218903.16	37.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_018	10:17:36	30/08/2010	383479.99	6218907.06	35.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_019	10:18:38	30/08/2010	383468.55	6218916.32	33.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_020	10:19:34	30/08/2010	383464.67	6218922.71	32.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_021	10:20:38	30/08/2010	383450.87	6218931.33	30.00	sM R	SS.SMu.CSaMu
LL55	219_101#1_022	10:21:18	30/08/2010	383444.94	6218938.80	29.00	sM R	SS.SMx.CMx.CloMx.Nem
LL55	219_101#1_023	10:21:52	30/08/2010	383439.72	6218944.75	28.00	s M R	SS.SMu.CSaMu
LL55	219_101#1_024	10:23:08	30/08/2010	383422.31	6218962.50	30.00	(g) sM	SS.SMu.CSaMu
LL55	219_101#1_025	10:24:29	30/08/2010	383410.27	6218976.94	31.00	(g) sM	SS.SMu.CSaMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL56	219_102#1_002	10:41:31	30/08/2010	382284.77	6219842.12	40.00	sM	SS.SMu.CSaMu
LL56	219_102#1_003	10:42:23	30/08/2010	382279.41	6219849.80	41.00	sM	SS.SMu.CSaMu
LL56	219_102#1_004	10:43:00	30/08/2010	382278.40	6219855.21	41.00	sM	SS.SMu.CSaMu
LL56	219_102#1_005	10:43:28	30/08/2010	382278.59	6219858.82	41.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_006	10:43:57	30/08/2010	382277.23	6219861.53	41.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_007	10:44:51	30/08/2010	382277.23	6219868.79	41.00	sM	SS.SMu.CSaMu
LL56	219_102#1_008	10:45:32	30/08/2010	382273.62	6219873.72	41.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_009	10:46:31	30/08/2010	382271.27	6219881.73	41.00	sM	SS.SMu.CSaMu
LL56	219_102#1_010	10:46:50	30/08/2010	382270.87	6219883.74	42.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_011	10:47:50	30/08/2010	382266.93	6219892.61	42.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_012	10:48:11	30/08/2010	382266.38	6219896.02	42.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_013	10:49:22	30/08/2010	382262.35	6219907.89	42.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_014	10:50:49	30/08/2010	382258.30	6219925.70	43.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_015	10:51:30	30/08/2010	382254.84	6219933.58	43.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_016	10:52:45	30/08/2010	382249.15	6219948.23	43.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_017	10:54:33	30/08/2010	382241.56	6219967.50	43.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_018	10:55:35	30/08/2010	382234.37	6219976.03	43.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_019	10:56:40	30/08/2010	382228.36	6219985.33	43.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_020	10:58:20	30/08/2010	382221.15	6219998.48	43.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_021	10:59:19	30/08/2010	382214.81	6220003.39	43.00	sM	SS.SMu.CSaMu
LL56	219_102#1_022	10:59:54	30/08/2010	382210.38	6220006.51	43.00	sM	SS.SMu.CSaMu
LL56	219_102#1_023	11:00:56	30/08/2010	382205.78	6220013.68	43.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_024	11:01:50	30/08/2010	382204.76	6220024.12	43.00	sM R	SS.SMu.CSaMu.VirOphPmax
LL56	219_102#1_025	11:02:55	30/08/2010	382198.12	6220026.98	43.00	sM	SS.SMu.CSaMu
LL58	219_103#1_002	11:26:44	30/08/2010	382005.35	6224002.18	11.00	mSG	SS.SMx.CMx.CloMx
LL58	219_103#1_003	11:27:10	30/08/2010	382003.85	6224004.83	11.00	mS G Sh	SS.SMx.CMx.CloMx
LL58	219_103#1_004	11:27:40	30/08/2010	382002.41	6224008.25	12.00	(g) mS Sh	SS.SMx.CMx.CloMx
LL58	219_103#1_005	11:28:35	30/08/2010	382002.28	6224015.41	12.00	(g) mS Sh	SS.SMx.CMx.CloMx
LL58	219_103#1_006	11:28:53	30/08/2010	382001.28	6224020.77	12.00	mS R Sh	SS.SMx.CMx
LL58	219_103#1_007	11:29:23	30/08/2010	382000.80	6224024.48	13.00	(g) mS	SS.SMx.CMx.CloMx
LL58	219_103#1_008	11:30:07	30/08/2010	382000.54	6224026.27	13.00	(g) mS Sh	SS.SMx.CMx
LL58	219_103#1_009	11:30:34	30/08/2010	382000.13	6224030.09	14.00	mS	SS.SSa.CMuSa

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL58	219_103#1_010	11:31:49	30/08/2010	381998.51	6224040.42	16.00	mS G Sh	SS.SMx.CMx
LL58	219_103#1_011	11:33:10	30/08/2010	381997.08	6224052.30	18.00	mS Sh	SS.SSa.CMuSa
LL58	219_103#1_012	11:34:35	30/08/2010	381996.75	6224064.68	20.00	mS Sh	SS.SSa.CMuSa
LL58	219_103#1_013	11:35:36	30/08/2010	381996.24	6224074.39	22.00	mS G	SS.SMx.CMx
LL58	219_103#1_014	11:36:48	30/08/2010	381995.70	6224085.18	23.00	mS G	SS.SMx.CMx
LL58	219_103#1_015	11:37:21	30/08/2010	381994.74	6224090.69	23.00	mS R	SS.SMx.CMx
LL58	219_103#1_016	11:37:41	30/08/2010	381994.09	6224094.00	24.00	MR	CR.LCR.BrAs.NeoPro
LL58	219_103#1_017	11:38:01	30/08/2010	381993.56	6224096.40	25.00	MR	CR.LCR.BrAs.NeoPro
LL58	219_103#1_018	11:38:30	30/08/2010	381992.97	6224100.79	26.00	MR Sh	CR.LCR.BrAs.NeoPro
LL58	219_103#1_019	11:39:14	30/08/2010	381990.96	6224108.35	28.00	mS G	SS.SMx.CMx
LL58	219_103#1_020	11:40:25	30/08/2010	381988.19	6224122.04	28.00	mS Sh	SS.SMx.CMx
LL58	219_103#1_021	11:41:02	30/08/2010	381986.50	6224128.67	28.00	mS Sh	SS.SMx.CMx
LL58	219_103#1_022	11:41:29	30/08/2010	381985.51	6224133.51	28.00	sMG Sh	SS.SMx.CMx
LL60	219_104#1_002	11:57:34	30/08/2010	381885.35	6225997.54	10.00	sM	SS.SMu.CSaMu
LL60	219_104#1_003	11:58:02	30/08/2010	381888.24	6226003.58	10.00	sM	SS.SMu.CSaMu
LL60	219_104#1_004	11:59:00	30/08/2010	381890.15	6226016.53	10.00	sM	SS.SMu.CSaMu
LL60	219_104#1_005	12:00:00	30/08/2010	381891.69	6226030.97	9.00	sM Sh	SS.SMx.CMx
LL60	219_104#1_006	12:01:44	30/08/2010	381892.58	6226053.46	9.00	sM Sh	SS.SMx.CMx
LL60	219_104#1_007	12:03:24	30/08/2010	381887.96	6226073.06	9.00	sM Sh	SS.SMx.CMx
LL60	219_104#1_008	12:04:57	30/08/2010	381887.88	6226093.94	9.00	sM Sh	SS.SMx.CMx
LL60	219_104#1_009	12:05:49	30/08/2010	381887.96	6226107.05	10.00	sM G Sh	SS.SMx.CMx.CloMx
LL60	219_104#1_010	12:06:36	30/08/2010	381888.63	6226118.91	10.00	sM G Sh	SS.SMx.CMx
LL60	219_104#1_011	12:07:17	30/08/2010	381889.74	6226129.64	10.00	sM G sh	SS.SMx.CMx
LL60	219_104#1_012	12:07:46	30/08/2010	381890.62	6226137.02	10.00	sM	SS.SMu.CSaMu
LL59	219_105#2_002	14:51:44	30/08/2010	382297.06	6224934.24	25.00	sM	SS.SMu.CSaMu
LL59	219_105#2_003	14:52:40	30/08/2010	382289.40	6224949.39	24.00	MR	CR.LCR.BrAs.NeoPro
LL59	219_105#2_004	14:53:33	30/08/2010	382282.81	6224964.56	23.00	sM	SS.SMu.CSaMu
LL59	219_105#2_005	14:54:28	30/08/2010	382276.05	6224977.95	24.00	sM	SS.SMu.CSaMu
LL59	219_105#2_006	14:55:35	30/08/2010	382268.48	6225006.67	26.00	sM	SS.SMu.CSaMu
LL59	219_105#2_007	14:56:11	30/08/2010	382266.12	6225007.87	27.00	sM	SS.SMu.CSaMu
LL59	219_105#2_008	14:56:43	30/08/2010	382263.52	6225015.35	28.00	sM	SS.SMu.CSaMu
LL59	219_105#2_009	14:57:05	30/08/2010	382261.60	6225020.23	29.00	sM R	CR.LCR.BrAs.NeoPro

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL59	219_105#2_010	14:58:29	30/08/2010	382256.11	6225039.05	32.00	sM	SS.SMu.CSaMu
LL59	219_105#2_011	14:59:46	30/08/2010	382250.50	6225050.68	33.00	sM	SS.SMu.CSaMu
LL59	219_105#2_012	15:00:47	30/08/2010	382244.49	6225061.34	32.00	sM (g)	SS.SMu.CSaMu
LL59	219_105#2_013	15:01:50	30/08/2010	382238.95	6225077.87	29.00	sM	SS.SMu.CSaMu
LL59	219_105#2_014	15:02:26	30/08/2010	382239.64	6225093.26	24.00	MR	CR.LCR.BrAs.NeoPro
LL59	219_105#2_015	15:02:56	30/08/2010	382239.39	6225100.92	23.00	MR	CR.LCR.BrAs.NeoPro
LL59	219_105#2_016	15:03:05	30/08/2010	382239.16	6225103.10	22.00	MR	CR.LCR.BrAs.NeoPro
LL59	219_105#2_017	15:03:54	30/08/2010	382236.70	6225115.97	20.00	MR	CR.LCR.BrAs.NeoPro
LL59	219_105#2_018	15:04:09	30/08/2010	382235.77	6225119.60	19.00	MR	CR.LCR.BrAs.NeoPro
LL59	219_105#2_019	15:04:26	30/08/2010	382234.64	6225123.55	19.00	MR	CR.LCR.BrAs.NeoPro
LL59	219_105#2_020	15:05:03	30/08/2010	382230.90	6225128.85	19.00	sM	SS.SMu.CSaMu
LL59	219_105#2_021	15:06:28	30/08/2010	382222.53	6225147.80	21.00	MR	CR.LCR.BrAs.NeoPro
LL59	219_105#2_022	15:06:50	30/08/2010	382220.26	6225154.42	21.00	sM G	SS.SMx.CMx.CloMx
LL59	219_105#2_023	15:07:23	30/08/2010	382216.38	6225166.07	19.00	sM G Sh	SS.SMx.CMx.CloMx
LL59	219_105#2_024	05:08:23	30/08/2010	382210.88	6225186.64	17.00	MR	CR.LCR.BrAs.NeoPro
LL57	219_106#1_002	15:31:24	30/08/2010	381758.96	6221875.85	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_003	15:31:54	30/08/2010	381758.16	6221886.15	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_004	15:32:15	30/08/2010	381758.76	6221892.66	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_005	15:32:57	30/08/2010	381760.55	6221905.59	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_006	15:34:23	30/08/2010	381761.62	6221933.99	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_007	15:35:20	30/08/2010	381757.68	6221951.18	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_008	15:36:56	30/08/2010	381751.77	6221981.64	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_009	15:38:02	30/08/2010	381751.82	6222004.30	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_010	15:38:46	30/08/2010	381751.25	6222018.81	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_011	15:39:57	30/08/2010	381749.72	6222041.84	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_012	15:40:44	30/08/2010	381749.40	6222057.76	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_013	15:40:55	30/08/2010	381749.42	6222061.06	20.00	sM	SS.SMu.CSaMu.AfilNten
LL57	219_106#1_014	15:41:58	30/08/2010	381751.29	6222082.23	20.00	sM	SS.SMu.CSaMu.AfilNten
LL54	219_107#1_002	16:05:13	30/08/2010	382733.20	6218851.35	16.00	SG	SS.SMx.CMx.CloMx
LL54	219_107#1_003	16:05:32	30/08/2010	382737.00	6218853.31	16.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_004	16:05:45	30/08/2010	382739.07	6218855.18	16.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_005	16:06:04	30/08/2010	382741.46	6218857.75	16.00	SG	SS.SMx.CMx.OphMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL54	219_107#1_006	16:06:56	30/08/2010	382747.60	6218863.15	16.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_007	16:08:19	30/08/2010	382752.78	6218873.80	17.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_008	16:09:06	30/08/2010	382757.31	6218884.62	17.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_009	16:10:06	30/08/2010	382763.16	6218895.64	17.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_010	16:11:49	30/08/2010	382772.53	6218911.42	18.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_011	16:13:03	30/08/2010	382779.89	6218923.08	18.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_012	16:13:18	30/08/2010	382780.66	6218925.98	18.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_013	16:14:33	30/08/2010	382778.17	6218940.81	18.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_014	16:15:04	30/08/2010	382781.94	6218943.62	19.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_015	16:15:51	30/08/2010	382788.43	6218952.59	19.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_016	16:17:32	30/08/2010	382799.48	6218967.90	19.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_017	16:18:27	30/08/2010	382804.53	6218978.52	19.00	SG	SS.SMx.CMx.OphMx
LL54	219_107#1_018	16:20:00	30/08/2010	382806.11	6219001.88	20.00	m SG	SS.SMx.CMx
LL54	219_107#1_019	16:20:27	30/08/2010	382808.52	6219005.41	20.00	m SG	SS.SMx.CMx
LL53	219_108#1_002	16:45:07	30/08/2010	382913.37	6216042.82	42.00	M R	CR.LCR.BrAs.NeoPro
LL53	219_108#1_003	16:45:20	30/08/2010	382914.19	6216046.47	41.00	M G Sh	SS.SMx.CMx
LL53	219_108#1_004	16:45:43	30/08/2010	382913.61	6216052.99	37.00	M R	CR.LCR.BrAs.AmenCio
LL53	219_108#1_005	16:46:57	30/08/2010	382913.52	6216080.34	39.00	M R	CR.LCR.BrAs.NeoPro
LL53	219_108#1_006	16:48:15	30/08/2010	382916.65	6216106.02	37.00	M R	CR.LCR.BrAs.AmenCio
LL53	219_108#1_007	16:48:58	30/08/2010	382918.81	6216121.49	33.00	M G Sh	SS.SMx.CMx
LL53	219_108#1_008	16:49:19	30/08/2010	382920.71	6216128.58	32.00	MG Sh	SS.SMx.CMx
LL53	219_108#1_009	16:49:59	30/08/2010	382919.54	6216136.03	31.00	MG Sh	SS.SMx.CMx
LL53	219_108#1_010	16:50:44	30/08/2010	382919.41	6216142.95	32.00	sM Sh	SS.SMu.CSaMu
LL53	219_108#1_011	16:51:40	30/08/2010	382925.47	6216149.90	32.00	(g) sM	SS.SMu.CSaMu
LL53	219_108#1_012	16:52:14	30/08/2010	382929.05	6216154.15	33.00	M R	CR.LCR.BrAs.NeoPro
LL53	219_108#1_013	16:52:41	30/08/2010	382932.60	6216157.17	33.00	sM	SS.SMu.CSaMu
LL53	219_108#1_014	16:53:41	30/08/2010	382938.00	6216166.66	33.00	sM	SS.SMu.CSaMu
LL53	219_108#1_015	16:54:03	30/08/2010	382935.46	6216169.46	33.00	M R	CR.LCR.BrAs.NeoPro
LL53	219_108#1_016	16:54:11	30/08/2010	382934.44	6216171.06	33.00	M R	CR.LCR.BrAs.NeoPro
LL53	219_108#1_017	16:55:39	30/08/2010	382944.11	6216187.69	34.00	sM Sh	SS.SMu.CSaMu
LL53	219_108#1_018	16:56:30	30/08/2010	382953.81	6216194.27	34.00	sM	SS.SMu.CSaMu
LL53	219_108#1_019	16:57:15	30/08/2010	382954.77	6216200.36	33.00	sM	SS.SMu.CSaMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL53	219_108#1_020	16:57:35	30/08/2010	382954.71	6216203.83	33.00	sM	SS.SMu.CSaMu
LL53	219_108#1_021	16:58:36	30/08/2010	382956.29	6216214.65	33.00	(g) sM	SS.SMu.CSaMu
LL53	219_108#1_022	16:58:56	30/08/2010	382954.67	6216219.00	33.00	sM sh	SS.SMu.CSaMu
LL53	219_108#1_023	17:00:07	30/08/2010	382961.72	6216223.74	33.00	sM	SS.SMu.CSaMu
LL53	219_108#1_024	17:00:22	30/08/2010	382964.13	6216224.77	33.00	sM	SS.SMu.CSaMu
LL42	219_109#1_002	09:09:26	31/08/2010	387471.85	6211177.17	29.00	M	SS.SMu.CFiMu
LL42	219_109#1_003	09:10:21	31/08/2010	387468.08	6211180.00	29.00	M	SS.SMu.CFiMu
LL42	219_109#1_004	09:11:51	31/08/2010	387460.83	6211184.54	29.00	M	SS.SMu.CFiMu
LL42	219_109#1_005	09:12:21	31/08/2010	387459.86	6211188.00	29.00	M	SS.SMu.CFiMu
LL42	219_109#1_006	09:13:45	31/08/2010	387455.64	6211196.36	29.00	M	SS.SMu.CFiMu
LL42	219_109#1_007	09:15:13	31/08/2010	387447.40	6211200.97	29.00	M	SS.SMu.CFiMu
LL42	219_109#1_008	09:16:59	31/08/2010	387433.76	6211206.60	29.00	M	SS.SMu.CFiMu
LL42	219_109#1_009	09:17:30	31/08/2010	387434.96	6211210.42	29.00	M	SS.SMu.CFiMu
LL42	219_109#1_010	09:18:21	31/08/2010	387435.02	6211216.66	29.00	M	SS.SMu.CFiMu
LL42	219_109#1_011	09:19:25	31/08/2010	387431.99	6211222.91	29.00	M	SS.SMu.CFiMu
LL42	219_109#2_002	09:33:24	31/08/2010	387551.18	6211193.49	26.00	M	SS.SMu.CFiMu
LL42	219_109#2_003	09:34:50	31/08/2010	387548.90	6211202.76	26.00	M	SS.SMu.CFiMu
LL42	219_109#2_004	09:35:50	31/08/2010	387546.60	6211207.15	26.00	M	SS.SMu.CFiMu
LL42	219_109#2_005	09:36:41	31/08/2010	387543.73	6211210.71	26.00	M	SS.SMu.CFiMu
LL42	219_109#2_006	09:37:51	31/08/2010	387539.22	6211213.82	26.00	M	SS.SMu.CFiMu
LL42	219_109#2_007	09:38:59	31/08/2010	387535.02	6211216.45	26.00	M	SS.SMu.CFiMu
LL42	219_109#2_008	09:39:51	31/08/2010	387531.48	6211217.46	26.00	M	SS.SMu.CFiMu
LL42	219_109#2_009	09:40:59	31/08/2010	387528.41	6211221.11	27.00	M	SS.SMu.CFiMu
LL42	219_109#2_010	09:42:51	31/08/2010	387527.16	6211236.89	26.00	M	SS.SMu.CFiMu
LL42	219_109#2_011	09:44:12	31/08/2010	387530.58	6211251.79	25.00	M	SS.SMu.CFiMu
LL42	219_109#2_012	09:45:26	31/08/2010	387536.17	6211271.72	25.00	M	SS.SMu.CFiMu
LL42	219_109#2_013	09:47:01	31/08/2010	387532.35	6211293.86	24.00	M	SS.SMu.CFiMu
LL42	219_109#2_014	09:47:40	31/08/2010	387529.53	6211300.00	24.00	M	SS.SMu.CFiMu
LL44	219_110#1_002	10:11:46	31/08/2010	386022.98	6213784.06	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_003	10:12:44	31/08/2010	386023.21	6213789.82	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_004	10:13:45	31/08/2010	386021.48	6213794.80	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_005	10:14:33	31/08/2010	386018.46	6213798.57	38.00	sM	SS.SMu.CSaMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL44	219_110#1_006	10:15:58	31/08/2010	386013.42	6213806.94	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_007	10:17:09	31/08/2010	386007.08	6213813.54	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_008	10:18:08	31/08/2010	386003.27	6213819.34	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_009	10:18:30	31/08/2010	386001.75	6213821.41	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_010	10:19:31	31/08/2010	385995.79	6213828.19	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_011	10:21:03	31/08/2010	385992.96	6213839.11	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_012	10:22:23	31/08/2010	385987.95	6213845.92	38.00	sM	SS.SMu.CSaMu
LL44	219_110#1_013	10:24:04	31/08/2010	385981.74	6213855.09	37.00	sM	SS.SMu.CSaMu
LL44	219_110#1_014	10:25:11	31/08/2010	385981.41	6213863.90	37.00	sM	SS.SMu.CSaMu
LL44	219_110#1_015	10:26:56	31/08/2010	385977.92	6213876.67	37.00	sM	SS.SMu.CSaMu
LL44	219_110#1_016	10:27:30	31/08/2010	385975.87	6213880.45	37.00	sM	SS.SMu.CSaMu
LL44	219_110#1_017	10:28:54	31/08/2010	385971.05	6213890.15	37.00	sM	SS.SMu.CSaMu
LL44	219_110#1_018	10:29:13	31/08/2010	385967.56	6213890.35	37.00	sM	SS.SMu.CSaMu
LL44	219_110#1_019	10:30:03	31/08/2010	385964.37	6213895.95	37.00	sM	SS.SMu.CSaMu
LL44	219_110#1_020	10:31:31	31/08/2010	385958.32	6213905.40	37.00	sM	SS.SMu.CSaMu
LL44	219_110#1_021	10:32:57	31/08/2010	385951.12	6213913.44	37.00	sM	SS.SMu.CSaMu
LL45	219_111#1_002	10:50:29	31/08/2010	385790.87	6215878.83	16.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_003	10:51:08	31/08/2010	385793.16	6215889.91	16.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_004	10:51:28	31/08/2010	385793.91	6215893.59	16.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_005	10:51:43	31/08/2010	385794.40	6215896.15	16.00	sM R	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_006	10:52:04	31/08/2010	385795.05	6215899.56	16.00	sM R	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_007	10:52:23	31/08/2010	385795.58	6215902.35	16.00	sM R	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_008	10:53:12	31/08/2010	385796.60	6215910.11	16.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_009	10:54:05	31/08/2010	385797.23	6215918.32	16.00	sM R	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_010	10:55:04	31/08/2010	385798.28	6215927.23	16.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_011	10:56:16	31/08/2010	385800.34	6215936.75	16.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_012	10:57:33	31/08/2010	385803.36	6215946.16	16.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_013	10:58:46	31/08/2010	385804.44	6215956.61	16.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_014	10:59:20	31/08/2010	385803.84	6215962.81	16.00	sM R	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_015	11:00:14	31/08/2010	385804.61	6215971.17	16.00	sM G	SS.SMx.CMx
LL45	219_111#1_016	11:00:49	31/08/2010	385804.56	6215977.15	15.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_017	11:01:03	31/08/2010	385805.61	6215979.62	15.00	sM Sh	SS.SMx.CMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL45	219_111#1_018	11:02:02	31/08/2010	385806.30	6215990.45	15.00	sM R	SS.SMx.CMx
LL45	219_111#1_019	11:03:08	31/08/2010	385805.11	6216000.26	15.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_020	11:04:45	31/08/2010	385804.28	6216015.21	15.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_021	11:05:48	31/08/2010	385804.58	6216022.83	15.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_022	11:07:38	31/08/2010	385803.06	6216041.54	14.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_023	11:08:08	31/08/2010	385803.26	6216046.47	14.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_024	11:09:38	31/08/2010	385805.47	6216057.27	14.00	sM	SS.SMu.ISaMu.AmpPlon
LL45	219_111#1_025	11:10:52	31/08/2010	385805.24	6216067.26	14.00	sM	SS.SMu.ISaMu.AmpPlon
LL43	219_112#1_002	11:42:37	31/08/2010	386317.45	6211250.75	2.00	S Sh	SS.SBR.SMus.ModT
LL43	219_112#1_003	11:42:54	31/08/2010	386319.22	6211254.47	2.00	S Sh	SS.SBR.SMus.ModT
LL43	219_112#1_004	11:43:14	31/08/2010	386321.77	6211258.18	2.00	S Sh	SS.SBR.SMus.ModT
LL43	219_112#1_005	11:43:55	31/08/2010	386327.37	6211264.61	3.00	S Sh	SS.SCS.ICS
LL43	219_112#1_006	11:44:58	31/08/2010	386337.20	6211276.33	7.00	mS Sh	SS.SMx.CMx.CIloMx
LL43	219_112#1_007	11:45:54	31/08/2010	386346.55	6211288.02	11.00	sM G	SS.SMx.CMx
LL43	219_112#1_008	11:46:17	31/08/2010	386349.77	6211292.13	12.00	sM G	SS.SMx.CMx
LL43	219_112#1_009	11:47:13	31/08/2010	386355.33	6211304.42	15.00	sMG	SS.SMx.CMx
LL43	219_112#1_010	11:48:08	31/08/2010	386360.24	6211318.30	18.00	sM	SS.SMu.CSaMu.VirOphPmax
LL43	219_112#1_011	11:48:24	31/08/2010	386361.04	6211323.82	18.00	sM	SS.SMu.CSaMu
LL43	219_112#1_012	11:49:03	31/08/2010	386365.82	6211329.68	19.00	sM	SS.SMu.CSaMu
LL43	219_112#1_013	11:49:44	31/08/2010	386367.69	6211341.48	20.00	sM	SS.SMu.CSaMu.VirOphPmax
LL43	219_112#1_014	11:50:43	31/08/2010	386373.37	6211354.57	21.00	sM	SS.SMu.CSaMu.VirOphPmax
LL43	219_112#1_015	11:51:50	31/08/2010	386379.83	6211370.16	23.00	sM	SS.SMu.CSaMu.VirOphPmax
LL43	219_112#1_016	11:52:57	31/08/2010	386384.96	6211388.76	24.00	sM	SS.SMu.CSaMu.VirOphPmax
LL43	219_112#1_017	11:54:25	31/08/2010	386393.27	6211409.94	25.00	sM	SS.SMu.CSaMu.VirOphPmax
LL43	219_112#1_018	11:55:08	31/08/2010	386394.65	6211420.20	25.00	sM	SS.SMu.CSaMu.VirOphPmax
LL52	219_113#1_002	13:47:52	31/08/2010	381361.52	6213539.07	15.00	MG Sh	SS.SMx.CMx
LL52	219_113#1_003	13:48:29	31/08/2010	381354.56	6213550.79	12.00	MG Sh	SS.SMx.CMx
LL52	219_113#1_004	13:49:04	31/08/2010	381352.28	6213559.93	12.00	G	SS.SCS.CCS
LL52	219_113#1_005	13:49:50	31/08/2010	381351.04	6213570.56	8.00	G	SS.SCS.ICS
LL52	219_113#1_006	13:50:22	31/08/2010	381348.84	6213578.23	5.00	S G	SS.SMx.IMx
LL52	219_113#1_007	13:51:24	31/08/2010	381347.14	6213595.79	3.00	S G	SS.SMp.KSwSS.LsacR.Sa
LL52	219_113#1_008	13:53:33	31/08/2010	381347.14	6213634.84	3.00	SG	SS.SMp.KSwSS.LsacR.Sa

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL52	219_113#1_009	13:54:05	31/08/2010	381345.72	6213641.08	2.00	S G Sh	SS.SMx.IMx
LL52	219_113#1_010	13:54:57	31/08/2010	381344.19	6213653.02	2.00	S G Sh	SS.SMx.IMx
LL52	219_113#1_011	13:55:57	31/08/2010	381342.24	6213670.36	2.00	S G Sh	SS.SMx.IMx
LL52	219_113#1_012	13:57:06	31/08/2010	381340.76	6213685.16	2.00	S G Sh	SS.SMx.IMx
LL52	219_113#1_013	15:58:14	31/08/2010	381336.29	6213697.87	2.00	S G Sh	SS.SMx.IMx
LL52	219_113#1_014	14:00:02	31/08/2010	381334.20	6213719.16	2.00	S G Sh	SS.SMx.IMx
LL52	219_113#1_015	14:01:27	31/08/2010	381328.25	6213731.56	2.00	S G Sh	SS.SMx.IMx
LL52	219_113#2_002	14:09:55	31/08/2010	381413.46	6213590.00	27.00	MG	SS.SMx.CMx
LL52	219_113#2_003	14:10:23	31/08/2010	381410.39	6213596.89	24.00	MG	SS.SMx.CMx
LL52	219_113#2_004	14:10:58	31/08/2010	381406.31	6213602.58	21.00	G	SS.SCS.CCS
LL52	219_113#2_005	14:11:37	31/08/2010	381400.33	6213609.31	17.00	G	SS.SCS.CCS
LL52	219_113#2_006	14:12:14	31/08/2010	381396.11	6213617.19	15.00	MG Sh	SS.SMx.CMx
LL52	219_113#2_007	14:13:10	31/08/2010	381394.52	6213628.97	12.00	MG Sh	SS.SMx.CMx
LL52	219_113#2_008	14:13:16	31/08/2010	381394.02	6213630.29	12.00	MG Sh	SS.SMx.CMx
LL52	219_113#2_009	14:14:22	31/08/2010	381390.90	6213643.91	9.00	MG	SS.SMx.CMx
LL52	219_113#2_010	14:14:57	31/08/2010	381389.76	6213652.94	7.00	MG	SS.SMx.CMx.CloMx
LL52	219_113#2_011	14:15:28	31/08/2010	381389.30	6213661.95	6.00	MG	SS.SMx.CMx.CloMx
LL52	219_113#2_012	14:16:33	31/08/2010	381387.82	6213678.29	5.00	MG	SS.SMx.CMx
LL52	219_113#2_014	14:18:18	31/08/2010	381380.86	6213696.66	4.00	S G	SS.SMp.KSwSS.LsacR.Sa
LL51	219_114#1_003	14:47:40	31/08/2010	382437.41	6211051.49	63.00	M	SS.SMu.CFiMu
LL51	219_114#1_004	14:49:07	31/08/2010	382433.84	6211073.60	63.00	M	SS.SMu.CFiMu
LL51	219_114#1_007	14:52:34	31/08/2010	382423.93	6211140.08	63.00	M	SS.SMu.CFiMu
LL51	219_114#1_008	14:52:58	31/08/2010	382422.72	6211148.23	63.00	M	SS.SMu.CFiMu
LL51	219_114#1_009	14:54:35	31/08/2010	382417.42	6211180.72	64.00	M	SS.SMu.CFiMu
LL51	219_114#1_010	14:55:30	31/08/2010	382414.84	6211203.28	64.00	M	SS.SMu.CFiMu
LL50	219_115#1_002	15:24:40	31/08/2010	383489.19	6208900.03	34.00	M	SS.SMu.CFiMu.MegMax
LL50	219_115#1_003	15:25:52	31/08/2010	383498.28	6208930.52	33.00	M	SS.SMu.CFiMu
LL50	219_115#1_004	15:28:48	31/08/2010	383460.48	6208992.12	35.00	M	SS.SMu.CFiMu
LL50	219_115#1_005	15:30:25	31/08/2010	383462.37	6209038.88	34.00	M	SS.SMu.CFiMu
LL50	219_115#1_006	15:31:12	31/08/2010	383461.64	6209063.59	33.00	M	SS.SMu.CFiMu.MegMax
LL49	219_116#1_003	15:53:22	31/08/2010	382143.24	6207559.68	36.00	sM	SS.SMu.CSaMu
LL49	219_116#1_004	15:53:47	31/08/2010	382145.39	6207567.67	35.00	sM	SS.SMu.CSaMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL49	219_116#1_006	15:55:07	31/08/2010	382153.13	6207589.24	36.00	sM	SS.SMu.CSaMu
LL49	219_116#1_007	15:55:59	31/08/2010	382157.36	6207603.80	40.00	sM R	SS.SMu.CSaMu
LL49	219_116#1_008	15:56:54	31/08/2010	382162.38	6207619.09	43.00	sM	SS.SMu.CSaMu
LL49	219_116#1_009	15:57:49	31/08/2010	382169.06	6207632.66	45.00	sM	SS.SMu.CSaMu
LL49	219_116#1_010	15:58:44	31/08/2010	382175.80	6207646.58	47.00	sM	SS.SMu.CSaMu
LL49	219_116#1_011	15:59:56	31/08/2010	382182.81	6207663.87	48.00	sM	SS.SMu.CSaMu
LL49	219_116#1_012	16:00:32	31/08/2010	382186.16	6207673.47	49.00	sM	SS.SMu.CSaMu
LL49	219_116#1_013	16:01:53	31/08/2010	382196.95	6207695.16	51.00	sM	SS.SMu.CSaMu
LL49	219_116#1_014	16:03:19	31/08/2010	382207.38	6207713.69	53.00	sM	SS.SMu.CSaMu
LL11	219_122#1_003	15:27:19	01/09/2010	371084.31	6194940.12	56.00	M	SS.SMu.CFiMu
LL11	219_122#1_004	15:27:49	01/09/2010	371082.72	6194943.10	56.00	M	SS.SMu.CFiMu
LL11	219_122#1_005	15:28:56	01/09/2010	371074.45	6194947.27	56.00	M	SS.SMu.CFiMu
LL11	219_122#1_006	15:29:30	01/09/2010	371077.12	6194951.36	56.00	M	SS.SMu.CFiMu
LL11	219_122#1_007	15:30:07	01/09/2010	371078.02	6194955.06	56.00	M	SS.SMu.CFiMu
LL20	219_123#1_002	09:01:42	02/09/2010	370009.23	6196514.02	8.00	mSG	SS.SMx.CMx.CloModHo
LL20	219_123#1_003	09:02:30	02/09/2010	369995.73	6196503.43	10.00	mSG	SS.SMx.CMx
LL20	219_123#1_004	09:03:07	02/09/2010	369981.29	6196492.57	12.00	mSG	SS.SMp.KSwSS.LsacR.Gv
LL20	219_123#1_005	09:03:35	02/09/2010	369974.30	6196479.05	14.00	mSG	SS.SMx.CMx
LL20	219_123#1_006	09:04:07	02/09/2010	369972.24	6196470.62	16.00	mSG	SS.SMx.CMx
LL20	219_123#1_007	09:04:59	02/09/2010	369970.89	6196460.50	17.00	mSG	SS.SMx.CMx
LL20	219_123#1_008	09:06:14	02/09/2010	369965.69	6196423.33	21.00	mSG	SS.SMx.CMx
LL20	219_123#1_009	09:07:07	02/09/2010	369962.34	6196407.75	23.00	mSG	SS.SSa.CMuSa
LL20	219_123#1_010	09:08:00	02/09/2010	369955.08	6196391.96	25.00	mS R	SS.SMx.CMx
LL20	219_123#1_011	09:08:16	02/09/2010	369953.94	6196387.64	25.00	mS Sh	SS.SSa.CMuSa
LL20	219_123#1_012	09:09:17	02/09/2010	369945.18	6196367.38	27.00	sM	SS.SMu.CSaMu
LL20	219_123#1_013	09:10:15	02/09/2010	369934.24	6196346.17	27.00	sM	SS.SMu.CSaMu.AfilNten
LL20	219_123#1_014	09:11:13	02/09/2010	369922.95	6196330.49	28.00	sM	SS.SMu.CSaMu.AfilNten
LL20	219_123#1_015	09:11:53	02/09/2010	369914.19	6196320.83	27.00	sM G	SS.SMx.CMx
LL20	219_123#1_016	09:13:00	02/09/2010	369897.27	6196304.87	26.00	sM	SS.SMu.CSaMu.AfilNten
LL20	219_123#1_017	09:13:42	02/09/2010	369885.35	6196294.58	25.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_002	09:42:38	02/09/2010	371261.03	6200290.81	12.00	mS G	SS.SMx.CMx.CloMx
LL13	219_124#1_003	09:43:30	02/09/2010	371250.69	6200284.70	18.00	mS G	SS.SMx.CMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL13	219_124#1_004	09:44:10	02/09/2010	371243.87	6200279.60	24.00	mS G	SS.SMx.CMx
LL13	219_124#1_005	09:45:01	02/09/2010	371232.67	6200276.32	30.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_006	09:45:47	02/09/2010	371220.82	6200271.30	36.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_007	09:46:55	02/09/2010	371205.64	6200262.27	43.00	sM	SS.SSa.CMuSa
LL13	219_124#1_008	09:47:22	02/09/2010	371199.52	6200256.54	47.00	sM	SS.SSa.CMuSa
LL13	219_124#1_009	09:48:37	02/09/2010	371184.85	6200253.20	52.00	sM G	SS.SMx.CMx
LL13	219_124#1_010	09:49:18	02/09/2010	371175.78	6200255.12	55.00	sM G	SS.SMx.CMx
LL13	219_124#1_011	09:49:59	02/09/2010	371164.24	6200253.91	57.00	sM	SS.SSa.CMuSa
LL13	219_124#1_012	09:51:32	02/09/2010	371151.92	6200257.93	58.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_013	09:52:52	02/09/2010	371141.50	6200260.35	60.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_014	09:53:55	02/09/2010	371136.21	6200258.73	61.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_015	09:54:23	02/09/2010	371132.24	6200259.39	61.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_016	09:54:55	02/09/2010	371127.93	6200262.21	62.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_017	09:56:38	02/09/2010	371103.68	6200263.55	64.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_018	09:57:03	02/09/2010	371100.93	6200270.79	64.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_019	09:57:13	02/09/2010	371099.79	6200270.59	64.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_020	09:57:47	02/09/2010	371094.92	6200269.82	64.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_021	09:58:57	02/09/2010	371078.68	6200265.13	65.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_022	09:59:19	02/09/2010	371075.46	6200266.20	65.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_023	09:00:12	02/09/2010	371060.56	6200288.64	65.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_024	09:01:34	02/09/2010	371061.33	6200270.45	66.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_025	09:02:51	02/09/2010	371049.55	6200268.45	66.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_026	09:04:56	02/09/2010	371024.36	6200265.61	67.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_027	09:07:03	02/09/2010	370990.23	6200266.31	68.00	sM	SS.SMu.CSaMu.AfilNten
LL13	219_124#1_028	09:07:58	02/09/2010	370978.64	6200268.13	68.00	sM	SS.SMu.CSaMu.AfilNten
LL15	219_125#1_002	10:32:19	02/09/2010	370174.14	6203409.38	7.00	SG	SS.SMp.KSwSS.LsacR.Gv
LL15	219_125#1_003	10:32:35	02/09/2010	370171.43	6203409.97	7.00	SG	SS.SMp.KSwSS.LsacR.Gv
LL15	219_125#1_004	10:33:05	02/09/2010	370168.22	6203410.99	8.00	SG	SS.SMp.KSwSS.LsacR.Gv
LL15	219_125#1_005	10:33:26	02/09/2010	370167.19	6203410.56	8.00	SG	SS.SMp.KSwSS.LsacR.Gv
LL15	219_125#1_006	10:35:13	02/09/2010	370158.48	6203399.48	15.00	SG	SS.SMx.CMx.CloMx
LL15	219_125#1_007	10:35:22	02/09/2010	370156.92	6203398.55	16.00	SG	SS.SMx.CMx.CloMx
LL15	219_125#1_008	10:35:54	02/09/2010	370153.57	6203395.78	18.00	SG	SS.SMx.CMx.CloMx

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL15	219_125#1_009	10:36:40	02/09/2010	370146.35	6203387.60	24.00	SG	SS.SMx.CMx.(CiloModHo)
LL15	219_125#1_010	10:36:54	02/09/2010	370142.97	6203387.12	25.00	SG	SS.SMx.CMx.(CiloModHo)
LL15	219_125#1_011	10:37:13	02/09/2010	370140.17	6203384.03	27.00	SG	SS.SMx.CMx.(CiloModHo)
LL15	219_125#1_012	10:38:26	02/09/2010	370130.75	6203374.50	34.00	SG Sh	SS.SMx.CMx
LL15	219_125#1_013	10:39:07	02/09/2010	370121.87	6203367.01	38.00	SG Sh	SS.SMx.CMx
LL15	219_125#1_014	10:39:56	02/09/2010	370110.71	6203359.67	42.00	M	SS.SMu.CFiMu
LL15	219_125#1_015	10:40:26	02/09/2010	370105.77	6203354.98	43.00	M	SS.SMu.CFiMu.MegMax
LL15	219_125#1_016	10:41:19	02/09/2010	370093.72	6203344.55	45.00	M	SS.SMu.CFiMu.MegMax
LL15	219_125#1_017	10:42:17	02/09/2010	370077.80	6203334.19	47.00	M	SS.SMu.CFiMu
LL15	219_125#1_018	10:43:32	02/09/2010	370064.19	6203321.01	48.00	M	SS.SMu.CFiMu.MegMax
LL15	219_125#1_019	10:44:25	02/09/2010	370043.42	6203321.67	50.00	M	SS.SMu.CFiMu.MegMax
LL15	219_125#1_020	10:46:19	02/09/2010	370010.73	6203318.32	51.00	M	SS.SMu.CFiMu.MegMax
LL16	219_126#1_002	11:05:04	02/09/2010	368306.46	6204684.27	47.00	M	SS.SMu.CFiMu
LL16	219_126#1_003	11:05:58	02/09/2010	368298.88	6204688.17	47.00	M	SS.SMu.CFiMu.MegMax
LL16	219_126#1_004	11:07:25	02/09/2010	368281.87	6204697.42	49.00	M	SS.SMu.CFiMu
LL16	219_126#1_005	11:08:32	02/09/2010	368269.04	6204702.88	49.00	M	SS.SMu.CFiMu.MegMax
LL16	219_126#1_006	11:09:50	02/09/2010	368260.10	6204709.34	50.00	M	SS.SMu.CFiMu.MegMax
LL16	219_126#1_007	11:10:07	02/09/2010	368258.00	6204710.56	50.00	M	SS.SMu.CFiMu.MegMax
LL16	219_126#1_008	11:10:41	02/09/2010	368253.25	6204712.27	50.00	M	SS.SMu.CFiMu
LL16	219_126#1_009	11:12:09	02/09/2010	368245.29	6204718.25	50.00	M	SS.SMu.CFiMu
LL16	219_126#1_010	11:13:30	02/09/2010	368237.22	6204727.20	50.00	M	SS.SMu.CFiMu
LL16	219_126#1_011	11:13:49	02/09/2010	368234.49	6204729.89	50.00	M	SS.SMu.CFiMu
LL16	219_126#1_012	11:15:15	02/09/2010	368219.40	6204742.61	49.00	M	SS.SMu.CFiMu
LL16	219_126#1_013	11:16:27	02/09/2010	368211.06	6204750.90	49.00	M	SS.SMu.CFiMu
LL16	219_126#1_014	11:17:13	02/09/2010	368205.20	6204750.91	49.00	M	SS.SMu.CFiMu
LL16	219_126#1_015	11:17:50	02/09/2010	368200.22	6204752.61	49.00	M	SS.SMu.CFiMu
LL16	219_126#1_016	11:18:51	02/09/2010	368197.22	6204762.07	49.00	M	SS.SMu.CFiMu
LL16	219_126#1_017	11:19:36	02/09/2010	368194.79	6204771.59	48.00	M	SS.SMu.CFiMu
LL16	219_126#1_018	11:21:13	02/09/2010	368196.24	6204784.97	48.00	M	SS.SMu.CFiMu
LL16	219_126#1_019	11:22:13	02/09/2010	368188.72	6204792.49	48.00	M	SS.SMu.CFiMu
LL18	219_127#1_002	11:51:26	02/09/2010	367510.33	6208171.68	22.00	M	SS.SMu.CFiMu
LL18	219_127#1_003	11:52:01	02/09/2010	367504.66	6208173.30	22.00	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL18	219_127#1_004	11:53:14	02/09/2010	367491.70	6208170.52	22.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_005	11:54:03	02/09/2010	367483.11	6208166.92	23.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_006	11:55:29	02/09/2010	367461.85	6208156.43	23.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_007	11:56:09	02/09/2010	367448.72	6208152.77	23.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_008	11:57:03	02/09/2010	367430.67	6208148.10	23.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_009	11:58:01	02/09/2010	367416.55	6208145.97	23.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_010	11:59:27	02/09/2010	367400.81	6208137.87	23.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_011	11:59:59	02/09/2010	367395.35	6208134.15	23.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_012	12:00:55	02/09/2010	367383.99	6208127.17	22.00	M	SS.SMu.CFiMu
LL18	219_127#1_013	12:01:59	02/09/2010	367366.90	6208117.95	20.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_014	12:02:28	02/09/2010	367357.77	6208113.61	19.00	M	SS.SMu.CFiMu.MegMax
LL18	219_127#1_015	12:03:35	02/09/2010	367340.91	6208106.34	18.00	M	SS.SMu.CFiMu
LL18	219_127#1_016	12:04:15	02/09/2010	367331.12	6208102.01	17.00	M	SS.SMu.CFiMu
LL17	219_128#1_002	12:37:15	02/09/2010	368876.23	6204448.77	9.00	GS	SS.SMx.CMx.CloMx
LL17	219_128#1_003	12:37:35	02/09/2010	368876.47	6204454.04	8.00	GS	SS.SMx.CMx.CloMx
LL17	219_128#1_004	12:38:13	02/09/2010	368872.54	6204464.69	9.00	g S	SS.SMx.CMx
LL17	219_128#1_005	12:39:06	02/09/2010	368862.13	6204480.13	10.00	G	SS.SCS.CCS
LL17	219_128#1_006	12:39:50	02/09/2010	368854.10	6204491.09	10.00	G	SS.SCS.CCS
LL17	219_128#1_007	12:40:42	02/09/2010	368846.16	6204501.78	10.00	sG	SS.SCS.CCS
LL17	219_128#1_008	12:41:23	02/09/2010	368830.84	6204510.80	12.00	G	SS.SCS.CCS
LL17	219_128#1_009	12:41:50	02/09/2010	368823.64	6204514.40	11.00	G	SS.SCS.CCS
LL17	219_128#1_010	12:43:50	02/09/2010	368791.44	6204541.85	6.00	G	SS.SCS.ICS
LL17	219_128#1_011	12:44:04	02/09/2010	368789.10	6204544.05	6.00	R	IR.MIR.KT.XKTX
LL17	219_128#1_012	12:44:42	02/09/2010	368776.75	6204552.75	6.00	G	SS.SCS.ICS
LL17	219_128#1_013	12:45:25	02/09/2010	368768.63	6204562.01	6.00	G	SS.SCS.ICS
LL14	219_129#1_002	13:08:06	02/09/2010	370112.69	6202461.44	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_003	13:08:32	02/09/2010	370118.04	6202461.59	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_004	13:09:20	02/09/2010	370114.65	6202465.99	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_005	13:10:35	02/09/2010	370115.76	6202477.68	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_006	13:11:53	02/09/2010	370125.85	6202480.52	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_007	13:12:18	02/09/2010	370121.27	6202483.00	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_008	13:13:11	02/09/2010	370113.20	6202500.20	63.00	sM	SS.SMu.CSaMu.AfilNten

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL14	219_129#1_009	13:13:38	02/09/2010	370117.65	6202496.47	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_010	13:14:32	02/09/2010	370120.61	6202496.67	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_011	13:15:57	02/09/2010	370128.43	6202498.83	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_012	13:16:49	02/09/2010	370132.34	6202505.38	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_013	13:17:13	02/09/2010	370133.39	6202508.27	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_014	13:18:48	02/09/2010	370137.05	6202517.40	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_015	13:19:31	02/09/2010	370143.80	6202520.60	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_016	13:20:44	02/09/2010	370154.15	6202525.52	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_017	13:21:41	02/09/2010	370162.72	6202527.22	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_018	13:22:37	02/09/2010	370175.59	6202525.60	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_019	13:23:56	02/09/2010	370192.96	6202523.30	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_020	13:24:20	02/09/2010	370195.72	6202519.32	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_021	13:25:25	02/09/2010	370205.92	6202507.05	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_022	13:26:39	02/09/2010	370215.13	6202494.80	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_023	13:27:09	02/09/2010	370224.67	6202476.32	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_024	13:27:32	02/09/2010	370221.66	6202498.38	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_025	13:28:20	02/09/2010	370230.28	6202491.48	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_026	13:29:15	02/09/2010	370246.05	6202487.25	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_027	13:30:12	02/09/2010	370257.86	6202475.25	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_028	13:31:26	02/09/2010	370270.35	6202463.08	63.00	sM	SS.SMu.CSaMu.AfilNten
LL14	219_129#1_029	13:32:34	02/09/2010	370299.81	6202434.46	63.00	sM	SS.SMu.CSaMu.AfilNten
LL12	219_130#1_002	13:59:49	02/09/2010	371423.36	6199344.33	20.00	mS Sh	SS.SSa.CMuSa
LL12	219_130#1_003	14:00:37	02/09/2010	371410.96	6199354.34	20.00	sM R	CR.LCR.BrAs.AmenCio
LL12	219_130#1_004	14:00:50	02/09/2010	371409.53	6199357.56	19.00	sM R	CR.LCR.BrAs.AmenCio
LL12	219_130#1_005	14:01:28	02/09/2010	371406.50	6199366.23	20.00	sM R	CR.LCR.BrAs.AmenCio
LL12	219_130#1_006	14:02:03	02/09/2010	371404.94	6199373.38	22.00	sM R	CR.LCR.BrAs.AmenCio
LL12	219_130#1_007	14:02:43	02/09/2010	371403.05	6199379.57	23.00	mS R	SS.SSa.CMuSa
LL12	219_130#1_008	14:03:34	02/09/2010	371402.31	6199388.40	23.00	mS	SS.SSa.CMuSa
LL12	219_130#1_009	14:04:42	02/09/2010	371423.02	6199387.90	17.00	mS Sh	SS.SSa.CMuSa
LL12	219_130#1_010	14:05:46	02/09/2010	371438.99	6199385.86	16.00	mS Sh	SS.SSa.CMuSa
LL12	219_130#1_011	14:06:44	02/09/2010	371437.41	6199379.54	16.00	mS Sh	SS.SSa.CMuSa
LL12	219_130#1_012	14:06:57	02/09/2010	371437.20	6199377.92	16.00	mS Sh	SS.SSa.CMuSa

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL12	219_130#1_013	14:08:03	02/09/2010	371435.03	6199368.66	16.00	mS R	SS.SSa.CMuSa
LL12	219_130#1_014	14:08:26	02/09/2010	371433.39	6199365.98	15.00	mS R	SS.SSa.CMuSa
LL12	219_130#1_015	14:10:19	02/09/2010	371431.62	6199351.68	18.00	mS Sh	SS.SSa.CMuSa
LL12	219_130#2_002	14:17:46	02/09/2010	371455.43	6199479.69	22.00	mS	SS.SSa.CMuSa
LL12	219_130#2_003	14:18:45	02/09/2010	371449.18	6199483.10	23.00	mS	SS.SSa.CMuSa
LL12	219_130#2_004	14:19:54	02/09/2010	371437.20	6199478.85	25.00	mS	SS.SSa.CMuSa
LL12	219_130#2_005	14:20:54	02/09/2010	371430.53	6199475.42	26.00	mS	SS.SSa.CMuSa
LL12	219_130#2_006	14:21:59	02/09/2010	371421.07	6199469.07	28.00	sM	SS.SMu.CSaMu.AfilNten
LL12	219_130#2_007	14:22:21	02/09/2010	371417.69	6199463.50	29.00	sM	SS.SMu.CSaMu.AfilNten
LL12	219_130#2_008	14:22:55	02/09/2010	371411.66	6199461.81	31.00	sM	SS.SMu.CSaMu.AfilNten
LL12	219_130#2_009	14:24:01	02/09/2010	371399.84	6199463.47	33.00	sM	SS.SMu.CSaMu.AfilNten
LL12	219_130#2_010	14:25:03	02/09/2010	371386.09	6199465.56	36.00	sM	SS.SMu.CSaMu.AfilNten
LL12	219_130#2_011	14:25:28	02/09/2010	371382.63	6199466.22	36.00	sM	SS.SMu.CSaMu.AfilNten
LL21	219_121#4_002	14:56:15	02/09/2010	369731.60	6195004.89	2.00	R	IR.MIR.KT.XKTX
LL21	219_121#4_003	14:57:35	02/09/2010	369725.11	6194998.75	2.00	R	IR.MIR.KT.XKTX
LL21	219_121#4_004	14:57:49	02/09/2010	369723.34	6194998.36	2.00	R	IR.MIR.KT.XKTX
LL21	219_121#4_005	14:59:18	02/09/2010	369710.56	6194994.29	2.00	RG	IR.MIR.KT.XKTX
LL21	219_121#4_006	15:00:00	02/09/2010	369704.05	6194991.38	2.00	SGR	IR.MIR.KT.XKTX
LL21	219_121#5_002	15:05:24	02/09/2010	369801.09	6195036.96	3.00	SG	IR.MIR.KT.XKTX
LL21	219_121#5_003	15:05:44	02/09/2010	369800.72	6195034.53	3.00	SG	SS.SMx.IMx
LL21	219_121#5_004	15:06:14	02/09/2010	369797.58	6195034.48	3.00	mSG	SS.SMx.IMx
LL21	219_121#5_005	15:07:43	02/09/2010	369787.78	6195039.27	4.00	mSG	SS.SMx.IMx
LL21	219_121#5_006	15:08:26	02/09/2010	369785.83	6195043.12	4.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_007	15:09:36	02/09/2010	369781.66	6195049.07	4.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_008	15:10:11	02/09/2010	369778.85	6195050.19	4.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_009	15:10:49	02/09/2010	369775.62	6195050.37	4.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_010	15:12:15	02/09/2010	369768.13	6195053.61	4.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_011	15:12:33	02/09/2010	369767.11	6195054.56	4.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_012	15:13:37	02/09/2010	369761.47	6195061.40	5.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_013	15:14:37	02/09/2010	369758.46	6195072.81	5.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_014	15:15:40	02/09/2010	369755.95	6195080.41	5.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_015	15:16:09	02/09/2010	369752.95	6195085.36	5.00	mS G	SS.SMp.Mrl.(Pcal)

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL21	219_121#5_016	15:16:58	02/09/2010	369748.71	6195094.72	5.00	mS G	SS.SMp.Mrl.(Pcal)
LL21	219_121#5_017	15:17:53	02/09/2010	369746.63	6195100.38	6.00	mS G	SS.SMx.IMx
LL21	219_121#5_018	15:18:39	02/09/2010	369745.64	6195103.94	6.00	S R	SS.SMx.IMx
LL21	219_121#5_019	15:19:48	02/09/2010	369742.68	6195106.93	6.00	SG	SS.SMx.IMx
LL08	219_131#1_002	15:54:51	02/09/2010	373017.54	6190743.03	2.00	S	SS.SSa.IMuSa
LL08	219_131#1_003	15:55:33	02/09/2010	373013.37	6190740.32	2.00	S	SS.SMp.KSwSS.LsacR.Sa
LL08	219_131#1_004	15:55:48	02/09/2010	373011.63	6190738.27	2.00	S	SS.SSa.IMuSa
LL08	219_131#1_005	15:56:38	02/09/2010	373005.66	6190732.39	2.00	S	SS.SMp.KSwSS.LsacR.Sa
LL08	219_131#1_006	15:59:28	02/09/2010	372990.91	6190735.15	2.00	S	SS.SSa.IMuSa
LL08	219_131#1_007	16:00:14	02/09/2010	372985.41	6190733.12	2.00	S	SS.SSa.IMuSa
LL08	219_131#1_008	16:01:51	02/09/2010	372972.12	6190734.35	2.00	S	SS.SSa.IMuSa
LL08	219_131#1_009	16:03:10	02/09/2010	372963.09	6190734.69	2.00	S	SS.SSa.IMuSa
LL08	219_131#1_010	16:04:08	02/09/2010	372956.64	6190733.80	2.00	S	SS.SSa.IMuSa
LL08	219_131#1_011	16:06:21	02/09/2010	372939.78	6190739.88	2.00	S	SS.SSa.IMuSa
LL01	219_132#1_002	07:38:07	03/09/2010	376132.33	6176719.07	62.00	SR	SS.SMx.CMx
LL02	219_133#1_002	08:02:25	03/09/2010	377682.48	6178715.88	20.00	sM Sh	SS.SMu.CSaMu
LL02	219_133#1_003	08:03:29	03/09/2010	377688.52	6178706.87	21.00	sM Sh	SS.SMu.CSaMu
LL02	219_133#1_004	08:04:28	03/09/2010	377693.78	6178698.12	22.00	sM Sh	SS.SMu.CSaMu
LL02	219_133#1_005	08:05:37	03/09/2010	377702.70	6178691.82	23.00	sM Sh	SS.SMu.CSaMu
LL02	219_133#1_006	08:07:25	03/09/2010	377713.37	6178680.23	23.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_007	08:08:39	03/09/2010	377720.46	6178671.80	24.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_008	08:10:14	03/09/2010	377729.41	6178662.73	24.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_009	08:11:39	03/09/2010	377737.19	6178653.36	25.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_010	08:12:56	03/09/2010	377745.10	6178645.43	25.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_011	08:14:53	03/09/2010	377755.38	6178633.69	26.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_012	08:16:44	03/09/2010	377767.15	6178626.84	26.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_013	08:18:22	03/09/2010	377776.22	6178621.48	27.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_014	08:19:40	03/09/2010	377783.30	6178619.07	27.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_015	08:21:02	03/09/2010	377791.53	6178615.58	27.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_016	08:22:36	03/09/2010	377801.05	6178614.77	27.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_017	08:23:09	03/09/2010	377803.63	6178612.59	27.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_018	08:24:54	03/09/2010	377813.34	6178610.25	28.00	sM	SS.SMu.CSaMu.AfilMysAnit

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL02	219_133#1_019	08:26:37	03/09/2010	377822.85	6178606.97	28.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL02	219_133#1_020	08:27:42	03/09/2010	377829.45	6178607.14	28.00	sM	SS.SMu.CSaMu.AfilMysAnit
LL22	219_134#1_002	08:36:29	30/09/2010	368607.48	6196650.66	30.20	M	SS.SMu.CFiMu
LL22	219_134#1_003	08:36:48	30/09/2010	368604.54	6196653.72	30.10	M	SS.SMu.CFiMu.(BlyrAchi)
LL22	219_134#1_004	08:37:52	30/09/2010	368591.85	6196658.00	29.80	M	SS.SMu.CFiMu
LL22	219_134#1_005	08:38:52	30/09/2010	368583.67	6196666.98	29.40	M	SS.SMu.CFiMu
LL22	219_134#1_006	08:40:12	30/09/2010	368570.36	6196678.33	28.70	M	SS.SMu.CFiMu
LL22	219_134#1_007	08:41:45	30/09/2010	368554.22	6196693.12	27.10	sM	SS.SMu.CSaMu
LL22	219_134#1_008	08:43:31	30/09/2010	368538.55	6196705.84	26.20	sM	SS.SMu.CSaMu
LL22	219_134#1_009	08:44:35	30/09/2010	368529.50	6196713.54	25.60	sM	SS.SMu.CSaMu
LL22	219_134#1_010	08:45:44	30/09/2010	368519.10	6196721.47	24.90	sM Sh	SS.SMu.CSaMu
LL22	219_134#1_011	08:48:19	30/09/2010	368497.33	6196739.40	21.10	sM Sh	SS.SMu.CSaMu
LL22	219_134#1_012	08:49:24	30/09/2010	368489.25	6196747.99	19.10	sM Sh	SS.SMu.CSaMu
LL22	219_134#1_013	08:49:55	30/09/2010	368484.49	6196752.78	17.60	sM Sh	SS.SMu.CSaMu
LL22	219_134#2_002	09:03:44	30/09/2010	368721.28	6196720.15	23.60	mS	SS.SSa.CMuSa
LL22	219_134#2_003	09:05:25	30/09/2010	368704.86	6196729.00	21.20	mS	SS.SSa.CMuSa
LL22	219_134#2_004	09:06:46	30/09/2010	368690.45	6196735.20	19.20	mS Sh	SS.SSa.CMuSa
LL22	219_134#2_005	09:07:59	30/09/2010	368677.21	6196742.10	16.70	mS G	SS.SMx.CMx
LL22	219_134#2_006	09:08:54	30/09/2010	368666.96	6196747.98	12.60	sG	SS.SCS.CCS
LL22	219_134#2_007	09:09:31	30/09/2010	368659.88	6196751.90	9.30	G	SS.SCS.CCS
LL22	219_134#2_008	09:09:52	30/09/2010	368655.86	6196753.51	8.20	G	SS.SCS.CCS
LL22	219_134#2_009	09:10:21	30/09/2010	368649.46	6196755.56	7.60	G	SS.SCS.CCS
LL22	219_134#2_010	09:10:58	30/09/2010	368641.13	6196759.34	6.70	G	SS.SCS.CCS
LL23	219_135#1_003	09:27:03	30/09/2010	367200.41	6197406.24	36.80	M	SS.SMu.CFiMu
LL23	219_135#1_004	09:28:10	30/09/2010	367185.78	6197418.94	36.80	M	SS.SMu.CFiMu
LL23	219_135#1_005	09:29:16	30/09/2010	367170.90	6197429.98	36.80	M	SS.SMu.CFiMu
LL23	219_135#1_006	09:30:16	30/09/2010	367155.39	6197441.03	36.80	M	SS.SMu.CFiMu
LL23	219_135#1_007	09:31:34	30/09/2010	367136.64	6197455.53	36.70	M	SS.SMu.CFiMu
LL23	219_135#1_008	09:33:09	30/09/2010	367114.04	6197473.12	36.70	M	SS.SMu.CFiMu
LL23	219_135#1_009	09:34:33	30/09/2010	367094.25	6197487.64	36.50	M	SS.SMu.CFiMu
LL23	219_135#1_010	09:35:37	30/09/2010	367079.65	6197497.75	36.50	M	SS.SMu.CFiMu
LL23	219_135#1_011	09:37:05	30/09/2010	367058.81	6197511.75	36.30	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL23	219_135#1_012	09:38:17	30/09/2010	367041.94	6197522.48	36.30	M	SS.SMu.CFiMu
LL23	219_135#1_013	09:39:15	30/09/2010	367028.64	6197531.06	36.20	M	SS.SMu.CFiMu
LL23	219_135#1_014	09:40:04	30/09/2010	367017.20	6197538.65	36.20	M	SS.SMu.CFiMu
LL24	219_136#1_002	09:53:33	30/09/2010	366279.48	6198708.92	24.30	M	SS.SMu.CFiMu
LL24	219_136#1_003	09:54:44	30/09/2010	366261.47	6198719.68	24.30	M	SS.SMu.CFiMu
LL24	219_136#1_004	09:56:15	30/09/2010	366239.90	6198740.21	25.20	M	SS.SMu.CFiMu
LL24	219_136#1_005	09:57:58	30/09/2010	366212.75	6198755.53	25.70	M	SS.SMu.CFiMu
LL24	219_136#1_006	09:58:50	30/09/2010	366197.79	6198763.98	25.70	M	SS.SMu.CFiMu
LL24	219_136#1_007	09:59:37	30/09/2010	366183.17	6198773.16	25.70	M	SS.SMu.CFiMu
LL24	219_136#1_008	10:01:48	30/09/2010	366147.33	6198794.13	25.70	M	SS.SMu.CFiMu
LL24	219_136#1_009	10:01:48	30/09/2010	366147.33	6198794.13	25.70	M	SS.SMu.CFiMu
LL24	219_136#1_010	10:03:02	30/09/2010	366126.17	6198807.59	25.90	M	SS.SMu.CFiMu
LL24	219_136#1_011	10:04:11	30/09/2010	366107.17	6198820.06	26.30	M	SS.SMu.CFiMu.MegMax
LL24	219_136#1_012	10:04:45	30/09/2010	366097.16	6198826.86	26.30	M	SS.SMu.CFiMu
LL24	219_136#1_013	10:05:53	30/09/2010	366075.14	6198842.95	26.60	M	SS.SMu.CFiMu
LL25	219_137#1_002	10:23:07	30/09/2010	364793.00	6200184.11	16.20	(g) sM	SS.SMu.CSaMu
LL25	219_137#1_003	10:24:12	30/09/2010	364767.55	6200209.97	21.50	(g) sM	SS.SMu.CSaMu
LL25	219_137#1_004	10:25:19	30/09/2010	364741.35	6200238.63	24.10	sM	SS.SMu.CSaMu
LL25	219_137#1_005	10:26:29	30/09/2010	364716.47	6200269.30	24.10	sM	SS.SMu.CSaMu.AfilNten
LL25	219_137#1_006	10:27:24	30/09/2010	364697.04	6200287.91	23.60	sM	SS.SMu.CSaMu.AfilNten
LL25	219_137#1_007	10:28:51	30/09/2010	364671.09	6200314.53	22.80	sM	SS.SMu.CSaMu.AfilNten
LL25	219_137#1_008	10:29:36	30/09/2010	364657.76	6200331.28	22.00	sM	SS.SMu.CSaMu.AfilNten
LL25	219_137#2_002	10:39:39	30/09/2010	364890.44	6200143.94	7.20	sM Sh	SS.SMu.CSaMu
LL25	219_137#2_003	10:40:21	30/09/2010	364879.42	6200151.71	6.70	sM Sh	SS.SMu.CSaMu
LL25	219_137#2_004	10:41:40	30/09/2010	364860.06	6200175.52	4.20	sM Sh	SS.SMu.CSaMu
LL25	219_137#2_005	10:42:22	30/09/2010	364850.70	6200189.73	3.40	sM Sh	SS.SMu.CSaMu
LL25	219_137#2_006	10:43:01	30/09/2010	364838.98	6200201.42	4.00	sM Sh	SS.SMu.CSaMu
LL25	219_137#2_007	10:44:01	30/09/2010	364819.76	6200223.37	6.20	sM Sh	SS.SMu.CSaMu
LL25	219_137#2_008	10:45:15	30/09/2010	364804.15	6200253.93	10.10	sM Sh	SS.SMu.CSaMu
LL25	219_137#2_009	10:46:24	30/09/2010	364789.77	6200283.90	12.50	sM Sh	SS.SMu.CSaMu
LL25	219_137#2_010	10:47:30	30/09/2010	364775.92	6200314.03	16.10	MG	SS.SMx.CMx.OphMx
LL25	219_137#2_011	10:48:42	30/09/2010	364759.89	6200338.11	18.20	sMSh	SS.SMu.CSaMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LL26	219_138#1_002	11:18:12	30/09/2010	363951.12	6200004.32	5.00	Seabed not visible	SS.SMx.CMx.OphMx
LL26	219_138#1_003	11:18:49	30/09/2010	363957.38	6200004.30	6.20	Seabed not visible	SS.SMx.CMx.OphMx
LL26	219_138#1_004	11:20:07	30/09/2010	363968.83	6200007.28	6.30	Seabed not visible	SS.SMx.CMx.OphMx
LL26	219_138#1_005	11:21:20	30/09/2010	363979.42	6200009.36	6.30	Seabed not visible	SS.SMx.CMx.OphMx
LL26	219_138#1_006	11:22:46	30/09/2010	363983.62	6199993.64	6.20	Seabed not visible	SS.SMx.CMx.OphMx
LL26	219_138#1_007	11:23:14	30/09/2010	363988.55	6199994.78	6.30	G	SS.SMx.CMx.OphMx
LL26	219_138#1_008	11:24:33	30/09/2010	364004.93	6200005.22	6.30	SG	SS.SMx.CMx.OphMx
LL26	219_138#1_009	11:25:30	30/09/2010	364017.02	6200012.08	6.30	Seabed not visible	SS.SMx.CMx.OphMx
LL26	219_138#1_010	11:26:28	30/09/2010	364025.32	6200017.20	5.80	SG	SS.SMx.CMx.OphMx
LL26	219_138#1_011	11:27:25	30/09/2010	364035.26	6200025.24	5.00	SR	IR.LIR.K.Lsac.Gz
LL26	219_138#1_012	11:27:57	30/09/2010	364039.87	6200029.18	4.20	SR	IR.LIR.K.Lsac.Gz
LL26	219_138#1_013	11:28:30	30/09/2010	364048.12	6200036.35	2.00	SR	IR.LIR.K.Lsac.Gz
LL27	219_139#1_002	11:44:13	30/09/2010	364028.36	6200633.57	10.20	SG	SS.SMx.CMx.OphMx
LL27	219_139#1_003	11:45:12	30/09/2010	364011.99	6200643.18	9.40	SG	SS.SMx.CMx.OphMx
LL27	219_139#1_004	11:46:15	30/09/2010	363999.49	6200653.23	9.30	SG	SS.SMx.CMx.OphMx
LL27	219_139#1_005	11:47:11	30/09/2010	363986.21	6200661.82	8.90	SG	SS.SMx.CMx
LL27	219_139#1_006	11:47:55	30/09/2010	363976.49	6200670.85	8.00	SG	SS.SMx.CMx
LL27	219_139#1_007	11:48:45	30/09/2010	363964.12	6200678.29	7.00	SG	SS.SMx.CMx
LL27	219_139#1_008	11:49:50	30/09/2010	363944.22	6200685.23	6.00	SG	SS.SMx.CMx.OphMx
LL27	219_139#1_009	11:50:42	30/09/2010	363926.89	6200684.10	6.90	SG	SS.SMx.CMx.OphMx
LL27	219_139#1_010	11:51:20	30/09/2010	363913.54	6200687.12	8.70	SG	SS.SMx.CMx.OphMx
LL27	219_139#1_011	11:52:49	30/09/2010	363889.47	6200706.82	11.70	SG	SS.SMx.CMx.OphMx
LF50	219_140#1_001	12:45:25	30/09/2010	362785.37	6202799.65	17.80	M	SS.SMu.CFiMu
LF50	219_140#1_002	12:46:49	30/09/2010	362770.99	6202825.54	16.50	M	SS.SMu.CFiMu
LF50	219_140#1_003	12:47:38	30/09/2010	362760.48	6202842.40	15.70	M	SS.SMu.CFiMu
LF50	219_140#1_004	12:49:00	30/09/2010	362751.84	6202878.50	14.40	M	SS.SMu.CFiMu
LF50	219_140#1_005	12:50:25	30/09/2010	362756.04	6202915.49	14.90	M	SS.SMu.CFiMu
LF50	219_140#1_006	12:51:34	30/09/2010	362757.66	6202940.13	15.00	M	SS.SMu.CFiMu
LF50	219_140#1_007	12:52:54	30/09/2010	362766.39	6202972.52	15.60	M	SS.SMu.CFiMu
LF50	219_140#1_008	12:54:12	30/09/2010	362774.93	6203001.95	15.60	M	SS.SMu.CFiMu
LF50	219_140#1_009	12:55:20	30/09/2010	362776.09	6203025.30	15.40	M	SS.SMu.CFiMu
LF32	219_141#1_002	13:15:14	30/09/2010	363017.72	6202149.06	35.30	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF32	219_141#1_003	13:15:50	30/09/2010	363010.45	6202162.84	34.70	M	SS.SMu.CFiMu
LF32	219_141#1_004	13:16:31	30/09/2010	363002.85	6202176.26	34.20	M	SS.SMu.CFiMu
LF32	219_141#1_005	13:17:28	30/09/2010	362992.35	6202196.65	34.00	M	SS.SMu.CFiMu
LF32	219_141#1_006	13:17:28	30/09/2010	362992.35	6202196.65	34.00	M	SS.SMu.CFiMu
LF32	219_141#1_007	13:17:28	30/09/2010	362992.35	6202196.65	34.00	M	SS.SMu.CFiMu
LF32	219_141#1_008	13:19:15	30/09/2010	362974.34	6202229.89	35.60	M	SS.SMu.CFiMu
LF32	219_141#1_009	13:20:12	30/09/2010	362965.11	6202250.60	37.50	M	SS.SMu.CFiMu
LF32	219_141#1_010	13:21:38	30/09/2010	362955.32	6202283.77	38.70	M	SS.SMu.CFiMu
LF32	219_141#1_011	13:21:38	30/09/2010	362955.32	6202283.77	38.70	M	SS.SMu.CFiMu
LF32	219_141#1_012	13:22:24	30/09/2010	362953.27	6202304.25	38.00	M	SS.SMu.CFiMu
LF32	219_141#2_002	13:34:09	30/09/2010	363062.38	6202197.39	25.20	M	SS.SMu.CFiMu
LF32	219_141#2_003	13:34:48	30/09/2010	363053.24	6202211.61	27.90	M	SS.SMu.CFiMu
LF32	219_141#2_004	13:35:57	30/09/2010	363039.81	6202228.00	30.90	M	SS.SMu.CFiMu
LF32	219_141#2_005	13:36:40	30/09/2010	363031.85	6202239.94	31.20	M	SS.SMu.CFiMu
LF32	219_141#2_006	13:37:32	30/09/2010	363021.96	6202259.75	31.50	M	SS.SMu.CFiMu
LF32	219_141#2_007	13:38:27	30/09/2010	363014.40	6202280.96	31.80	M	SS.SMu.CFiMu
LF32	219_141#2_008	13:39:34	30/09/2010	363006.52	6202301.82	32.20	M	SS.SMu.CFiMu
LF31	219_142#1_002	13:51:41	30/09/2010	362854.88	6201964.89	26.80	M	SS.SMu.CFiMu
LF31	219_142#1_003	13:52:29	30/09/2010	362842.18	6201987.94	26.50	M	SS.SMu.CFiMu
LF31	219_142#1_004	13:53:28	30/09/2010	362828.85	6202011.01	26.10	M	SS.SMu.CFiMu
LF31	219_142#1_005	13:54:59	30/09/2010	362812.09	6202047.56	25.60	M	SS.SMu.CFiMu
LF31	219_142#1_006	13:56:27	30/09/2010	362795.75	6202074.25	25.20	M	SS.SMu.CFiMu
LF31	219_142#1_007	13:57:15	30/09/2010	362785.97	6202087.74	25.00	M	SS.SMu.CFiMu
LF31	219_142#1_008	13:58:32	30/09/2010	362775.32	6202116.48	24.50	M	SS.SMu.CFiMu
LF31	219_142#1_009	13:59:13	30/09/2010	362767.88	6202131.38	24.30	M	SS.SMu.CFiMu
LF31	219_142#1_010	14:00:05	30/09/2010	362757.16	6202148.06	23.90	M	SS.SMu.CFiMu
LF33	219_143#1_002	14:16:40	30/09/2010	363076.66	6201343.60	45.40	M	SS.SMu.CFiMu
LF33	219_143#1_003	14:17:32	30/09/2010	363063.96	6201363.87	44.80	M	SS.SMu.CFiMu
LF33	219_143#1_004	14:18:23	30/09/2010	363052.99	6201385.93	44.10	M	SS.SMu.CFiMu
LF33	219_143#1_005	14:19:19	30/09/2010	363041.82	6201411.53	43.60	M	SS.SMu.CFiMu
LF33	219_143#1_006	14:20:54	30/09/2010	363019.86	6201454.74	41.30	M	SS.SMu.CFiMu
LF33	219_143#1_007	14:22:25	30/09/2010	362999.45	6201491.40	38.80	M	SS.SMu.CFiMu

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF33	219_143#1_008	14:23:14	30/09/2010	362985.43	6201512.45	37.50	M	SS.SMu.CFiMu
LF33	219_143#2_002	14:38:03	30/09/2010	363107.52	6201252.22	46.90	M	SS.SMu.CFiMu
LF33	219_143#2_003	14:39:03	30/09/2010	363098.45	6201275.16	38.60	M	SS.SMu.CFiMu
LF33	219_143#2_004	14:39:32	30/09/2010	363094.02	6201283.46	39.40	M	SS.SMu.CFiMu
LF33	219_143#2_006	14:40:33	30/09/2010	363084.39	6201301.59	44.30	M	SS.SMu.CFiMu
LF33	219_143#2_007	14:40:54	30/09/2010	363080.77	6201308.94	44.60	R	CR.HCR.XFa.SpAnVt
LF33	219_143#2_008	14:41:38	30/09/2010	363072.94	6201324.97	44.70	M	SS.SMu.CFiMu
LF33	219_143#2_009	14:43:16	30/09/2010	363056.72	6201365.58	44.10	M	SS.SMu.CFiMu
LF34	219_144#1_002	15:12:39	30/09/2010	362927.31	6200262.22	39.10	M	SS.SMu.CFiMu
LF34	219_144#1_003	15:13:30	30/09/2010	362926.03	6200277.67	38.20	M	SS.SMu.CFiMu
LF34	219_144#1_004	15:14:40	30/09/2010	362926.18	6200301.98	37.10	M	SS.SMu.CFiMu
LF34	219_144#1_005	15:16:24	30/09/2010	362933.43	6200336.65	35.90	M	SS.SMu.CFiMu
LF34	219_144#1_006	15:18:11	30/09/2010	362942.82	6200363.45	35.10	M	SS.SMu.CFiMu
LF34	219_144#1_007	15:19:30	30/09/2010	362948.94	6200382.01	34.60	M	SS.SMu.CFiMu
LF34	219_144#1_008	15:20:42	30/09/2010	362953.88	6200396.52	34.20	M	SS.SMu.CFiMu
LF34	219_144#1_009	15:22:13	30/09/2010	362962.23	6200420.01	33.80	M	SS.SMu.CFiMu
LF34	219_144#1_010	15:23:01	30/09/2010	362965.82	6200431.22	33.70	M	SS.SMu.CFiMu
LF34	219_144#1_011	15:24:15	30/09/2010	362973.48	6200452.88	33.80	M	SS.SMu.CFiMu
LF34	219_144#1_012	15:25:13	30/09/2010	362983.26	6200465.38	34.20	M	SS.SMu.CFiMu.Spnmeg
LF34	219_144#1_013	15:25:45	30/09/2010	362984.94	6200472.38	34.20	M	SS.SMu.CFiMu
LF54	219_145#1_002	10:23:52	03/10/2010	365752.25	6182873.25	7.80	RG	CR.MCR.EcCr.FaAlCr.Bri
LF54	219_145#1_004	10:25:25	03/10/2010	365733.91	6182909.45	9.20	RG	CR.MCR.EcCr.FaAlCr.Bri
LF54	219_145#1_005	10:26:21	03/10/2010	365722.95	6182930.77	9.60	RG	CR.MCR.EcCr.FaAlCr.Bri
LF54	219_145#1_006	10:27:28	03/10/2010	365712.49	6182954.66	10.30	RG	CR.MCR.EcCr.FaAlCr.Bri
LF54	219_145#1_007	10:28:54	03/10/2010	365698.20	6182986.29	9.90	RG	CR.MCR.EcCr.FaAlCr.Bri
LF54	219_145#1_008	10:29:54	03/10/2010	365689.60	6183006.04	10.30	RG	CR.MCR.EcCr.FaAlCr.Bri
LF54	219_145#1_010	10:31:33	03/10/2010	365675.62	6183037.85	11.80	G	SS.SMp.Mrl.(Pcal)
LF54	219_145#1_011	10:32:33	03/10/2010	365667.83	6183059.80	13.70	G	SS.SMp.Mrl.(Pcal)
LF54	219_145#1_012	10:33:23	03/10/2010	365660.54	6183078.04	16.00	G	SS.SMp.Mrl.(Pcal)
LF54	219_145#1_013	10:34:13	03/10/2010	365653.74	6183094.95	17.60	G	SS.SMp.Mrl.(Pcal)
LF54	219_145#1_014	10:35:26	03/10/2010	365641.93	6183118.89	18.90	G	SS.SMp.Mrl.(Pcal)
LF54	219_145#1_015	10:35:57	03/10/2010	365637.23	6183129.24	19.80	G	SS.SMp.Mrl.(Pcal)

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF37	219_146#1_002	11:23:43	03/10/2010	363004.73	6192430.35	50.40	M	SS.SMu.CFiMu
LF37	219_146#1_003	11:24:45	03/10/2010	363005.52	6192438.86	50.80	M	SS.SMu.CFiMu
LF37	219_146#1_004	11:25:55	03/10/2010	363003.51	6192444.86	51.20	M	SS.SMu.CFiMu
LF37	219_146#1_005	11:27:01	03/10/2010	363003.33	6192452.30	51.00	g M	SS.SMu.CFiMu
LF37	219_146#1_006	11:27:21	03/10/2010	363003.90	6192453.76	51.00	g M	SS.SMu.CSaMu.Afil
LF37	219_146#1_007	11:28:43	03/10/2010	363005.58	6192460.58	50.30	(g) M	SS.SMu.CFiMu
LF37	219_146#1_008	11:31:01	03/10/2010	363005.47	6192477.10	49.30	g M	SS.SMu.CMx
LF37	219_146#1_009	11:34:07	03/10/2010	363008.13	6192498.36	50.20	G M	SS.SMu.CMx
LF37	219_146#1_010	11:35:26	03/10/2010	363016.03	6192507.21	50.00	g M	SS.SMu.CSaMu.Afil
LF37	219_146#1_011	11:37:21	03/10/2010	363026.42	6192518.95	50.00	M	SS.SMu.CFiMu
LF37	219_146#1_012	11:38:08	03/10/2010	363030.86	6192524.00	50.40	M sh	SS.SMu.CFiMu
LF37	219_146#1_013	11:38:52	03/10/2010	363035.94	6192529.23	50.10	g M	SS.SMu.CMx
LF37	219_146#1_014	11:39:11	03/10/2010	363038.82	6192531.18	49.80	M sh	SS.SMu.CFiMu
LF37	219_146#1_015	11:39:33	03/10/2010	363041.00	6192534.26	49.20	G M	SS.SMu.CMx
LF36	219_147#1_002	12:13:17	03/10/2010	360606.11	6196917.69	18.20	s m G	SS.SMu.CMx
LF36	219_147#1_003	12:14:09	03/10/2010	360603.79	6196926.68	18.10	s m G	SS.SMu.CMx
LF36	219_147#1_004	12:15:21	03/10/2010	360597.94	6196935.96	18.50	s m G	SS.SMu.CMx
LF36	219_147#1_005	12:16:53	03/10/2010	360588.08	6196947.23	18.90	s m G	SS.SMu.CMx
LF36	219_147#1_006	12:18:21	03/10/2010	360580.83	6196958.42	18.90	s m G	SS.SMu.CMx
LF36	219_147#1_007	12:18:42	03/10/2010	360579.02	6196960.52	19.00	g M	SS.SMu.CFiMu.SpMg
LF36	219_147#1_008	12:20:09	03/10/2010	360570.74	6196969.14	18.90	s m G	SS.SMu.CMx
LF36	219_147#1_009	12:20:43	03/10/2010	360567.94	6196972.76	18.90	s m G	SS.SMu.CMx
LF36	219_147#1_010	12:21:38	03/10/2010	360562.98	6196977.56	18.60	s m G	CR.HCR.XFa.(Mol)
LF36	219_147#1_011	12:22:32	03/10/2010	360557.96	6196983.29	18.30	s m G	SS.SMu.CMx
LF36	219_147#1_012	12:23:22	03/10/2010	360555.60	6196987.82	18.10	s m G	SS.SMu.CMx
LF36	219_147#1_013	12:24:55	03/10/2010	360547.30	6196995.88	17.60	s m G	SS.SMu.CMx.OphMx
LF36	219_147#1_014	12:25:12	03/10/2010	360545.78	6196997.05	17.40	s m G	SS.SMu.CMx.OphMx
LF36	219_147#1_015	12:25:44	03/10/2010	360541.25	6196998.86	17.20	s G	CR.MCR.EcCr.FaAlCr.Bri
LF36	219_147#1_016	12:26:32	03/10/2010	360534.90	6197002.60	16.50	s G	CR.MCR.EcCr.FaAlCr.Bri
LF36	219_147#1_017	12:27:07	03/10/2010	360531.70	6197006.97	16.20	s G	CR.MCR.EcCr.FaAlCr.Bri
LF36	219_147#1_018	12:28:33	03/10/2010	360524.57	6197015.37	15.90	s G	CR.MCR.EcCr.FaAlCr.Bri
LF36	219_147#1_019	12:30:16	03/10/2010	360513.63	6197022.22	15.50	s G	CR.MCR.EcCr.FaAlCr.Bri

Site	Photograph	Time (GMT)	Date	East	North	Depth (m)	Sediment	Biotope
LF36	219_147#1_020	12:31:43	03/10/2010	360502.51	6197030.00	15.00	s G	CR.MCR.EcCr.FaAlCr.Bri
LF36	219_147#1_021	12:33:07	03/10/2010	360495.39	6197038.77	15.00	s G	CR.MCR.EcCr.FaAlCr.Bri
LF36	219_147#1_022	12:33:54	03/10/2010	360490.84	6197043.00	15.30	s G	CR.MCR.EcCr.FaAlCr.Bri
LF36	219_147#1_023	12:34:56	03/10/2010	360485.65	6197050.41	16.20	s G	CR.MCR.EcCr.FaAlCr.Bri
LF36	219_147#1_024	12:35:41	03/10/2010	360481.93	6197054.80	17.10	s G	CR.MCR.EcCr.FaAlCr.Bri
LF36	219_147#1_025	12:37:09	03/10/2010	360473.03	6197063.44	18.40	s G	CR.MCR.EcCr.FaAlCr
LF36	219_147#1_026	12:38:18	03/10/2010	360466.84	6197071.80	19.10	s G	CR.MCR.EcCr.FaAlCr
LF36	219_147#1_027	12:38:42	03/10/2010	360464.72	6197074.10	20.00	s G	CR.MCR.EcCr.FaAlCr
LF36	219_147#1_028	12:39:26	03/10/2010	360460.70	6197078.87	21.10	s G	CR.MCR.EcCr.FaAlCr

ANNEX F: SEASTAR SURVEY VAN VEEN GRAB SAMPLING FIELD LOG

Positions are UTM North Zone 30 (6W - 0) east and north (m).

Client	SNH				Job Number	J/10/219	
Location	Clyde Sea Area				Vessel	SV Otarie	
Survey	Mapping Priority Marine Features within the Clyde Sea Area				Date	August 2010	
Site Name	Van Veen Grab Number	Time (GMT)	Date	East (m)	North (m)	Depth (m)	Samples Taken
LL05	219_016#1	10:00:00	11/08/2010	381095	6184241	21.0	Stone in jaw
LL05	219_016#2	10:04:00	11/08/2010	381106	6184235	22.0	1mm Biology
LL06	219_017#1	10:28:00	11/08/2010	381195	6184658	26.0	Empty
LL06	219_017#2	10:36:00	11/08/2010	381210	6184681	28.0	Empty
LL06	219_017#3	10:43:00	11/08/2010	381180	6184603	26.0	1mm Biology & PSA
LL05	219_016#3	10:58:00	11/08/2010	381106	6184258	26.0	Empty
LL05	219_016#4	11:04:00	11/08/2010	381124	6184244	26.0	PSA
LL07	219_018#1	11:24:00	11/08/2010	382302	6184561	46.0	Empty
LL61	219_019#1	12:08:00	12/08/2010	384433	6218266	81.0	Empty
LL61	219_019#2	12:16:00	12/08/2010	384488	6218255	79.0	Empty
LL61	219_019#3	12:31:00	12/08/2010	384471	6218268	83.0	Empty
LL61	219_019#4	12:42:00	12/08/2010	384448	6218265	82.0	Empty
LL46	219_020#1	13:48:00	12/08/2010	380988	6205525	29.0	Empty
LL46	219_020#2	13:53:00	12/08/2010	380972	6205515	29.0	1mm Biology & PSA
LL31	219_021#1	14:30:00	12/08/2010	381491	6199152	25.0	1mm Biology & PSA
LL30	219_022#1	14:55:00	12/08/2010	378786	6196384	46.0	Empty
LL30	219_022#2	15:02:00	12/08/2010	378769	6196397	46.0	1mm Biology & PSA
LL64	219_033#1	15:13:00	13/08/2010	386456	6221360	48.0	Empty
LL64	219_033#2	15:21:00	13/08/2010	386474	6221367	48.0	1mm Biology & PSA
LL61	219_019#5	15:45:00	13/08/2010	384491	6218231	80.0	Empty
LL61	219_019#6	16:00:00	13/08/2010	384490	6218177	80.0	Empty
LF04	219_086#1	09:49:00	26/08/2010	377466	6235204	50.0	Empty
LF04	219_086#2	09:53:00	26/08/2010	377463	6235224	50.0	Empty

Site Name	Van Veen Grab Number	Time (GMT)	Date	East (m)	North (m)	Depth (m)	Samples Taken
LF04	219_086#3	10:02:00	26/08/2010	377438	6235206	51.0	Empty
LF04	219_086#4	10:07:00	26/08/2010	377427	6235198	51.0	Empty
LF04	219_086#5	10:13:00	26/08/2010	377377	6235298	49.0	Empty
LF04	219_086#6	10:20:00	26/08/2010	377578	6235187	49.0	Empty
LF04	219_086#7	10:26:00	26/08/2010	377549	6235176	49.0	Empty
LF05	219_087#1	11:03:00	26/08/2010	372400	6231478	29.0	Empty
LF05	219_087#2	11:06:00	26/08/2010	372377	6231465	30.0	Empty
LF05	219_087#3	11:10:00	26/08/2010	372303	6231425	32.0	Empty
LF01	219_088#1	11:40:00	26/08/2010	372771	6234992	29.0	1mm Biology & PSA
LF02	219_089#1	12:01:00	26/08/2010	373065	6234443	8.0	Empty
LF02	219_089#2	12:04:00	26/08/2010	373021	6234454	20.0	Empty
LF02	219_089#3	12:07:00	26/08/2010	373013	6234541	25.0	Empty
LF02	219_089#4	12:12:00	26/08/2010	372928	6234619	35.0	Empty
LF08	219_090#1	13:20:00	26/08/2010	365133	6224271	78.0	1mm Biology & PSA
LF12	219_091#1	14:07:00	26/08/2010	358800	6218665	12.0	Stone in jaw
LF12	219_091#2	14:10:00	26/08/2010	358794	6218673	11.0	Empty
LF12	219_091#3	14:12:00	26/08/2010	358795	6218677	11.0	Empty
LF12	219_091#4	14:14:00	26/08/2010	358852	6218728	22.0	Empty
LF12	219_091#5	14:17:00	26/08/2010	358895	6218777	20.0	Empty
LF12	219_091#6	14:22:00	26/08/2010	358753	6218620	10.0	Empty
LF12	219_091#7	14:24:00	26/08/2010	358802	6218683	13.0	Empty
LF13	219_092#1	14:37:00	26/08/2010	358668	6216714	55.0	Empty
LF13	219_092#2	14:45:00	26/08/2010	358658	6216771	54.0	Did not fire
LF13	219_092#3	14:49:00	26/08/2010	358643	6216752	54.0	Empty
LF13	219_092#4	14:52:00	26/08/2010	358629	6216722	54.0	Empty
LF17	219_093#1	15:58:00	26/08/2010	347965	6210596	7.0	Empty
LF17	219_093#2	16:00:00	26/08/2010	347959	6210585	7.0	Empty
LF17	219_093#3	16:05:00	26/08/2010	347962	6210605	7.0	1mm Biology & PSA
LF17	219_093#4	16:20:00	26/08/2010	348071	6210578	7.0	Empty

Site Name	Van Veen Grab Number	Time (GMT)	Date	East (m)	North (m)	Depth (m)	Samples Taken
LF17	219_093#5	16:24:00	26/08/2010	348085	6210588	7.0	1mm Biology & PSA
LF17	219_093#6	16:36:00	26/08/2010	347850	6210591	6.0	1mm Biology & PSA
LL28	219_117#1	08:45:00	01/09/2010	378909	6193475	35.0	1mm Biology & PSA
LL32	219_118#1	09:37:00	01/09/2010	381627	6201861	90.0	Empty
LL32	219_118#2	09:42:00	01/09/2010	381590	6201822	87.0	Empty
LL32	219_118#3	09:47:00	01/09/2010	381547	6201772	84.0	Empty
LL34	219_119#1	10:34:00	01/09/2010	386186	6205020	32.0	Empty
LL34	219_119#2	10:38:00	01/09/2010	386170	6205029	32.0	Empty
LL34	219_119#3	10:42:00	01/09/2010	386104	6205065	34.0	Empty
LL48	219_120#1	11:15:00	01/09/2010	379024	6206561	21.0	Empty
LL48	219_120#2	11:19:00	01/09/2010	378970	6206621	21.0	1mm Biology & PSA
LL32	219_118#4	12:03:00	01/09/2010	381649	6201769	85	PSA
LL32	219_118#5	12:12:00	01/09/2010	381619	6201783	86	1mm Biology & PSA

ANNEX G: SEPA DAY GRAB SAMPLING FIELD LOG

Location	Time (GMT)	Date	East (m)	North (m)	Depth (m)
Site 1 Biol	10:17	17/09/2010	55.511989	5.419378	87
Site 1 PSA	10:21	17/09/2010	55.510555	5.418672	87
Site 2 Biol	09:41	17/09/2010	55.579861	5.418175	126
Site 2 PSA	09:48	17/09/2010	55.578671	5.418478	125
Site 3 Biol	09:02	17/09/2010	55.649948	5.429538	147
Site 3 PSA	09:10	17/09/2010	55.648724	5.429232	133
Site 4 Biol	12:10	17/09/2010	55.459534	5.019958	112
Site 4 PSA	12:17	17/09/2010	55.459043	5.020402	112
Site 5 Biol	12:55	17/09/2010	55.459621	4.89934	77
Site 5 PSA	13:00	17/09/2010	55.459431	4.899673	77
Site 6 Biol	13:47	17/09/2010	55.549881	4.99831	112
Site 6 PSA	13:53	17/09/2010	55.549141	4.998307	112
Site 7 Biol	14:22	17/09/2010	55.569309	4.89899	99
Site 7 PSA	14:28	17/09/2010	55.569321	4.898893	96
Site 8 Biol	10:18	16/09/2010	55.679661	5.079228	160
Site 8 PSA	10:27	16/09/2010	55.679176	5.079231	160
Site 9 Biol	12:33	16/09/2010	55.740078	5.208695	160
Site 9 PSA	12:50	16/09/2010	55.739662	5.209627	159
Site 10 Biol	11:16	16/09/2010	55.739391	4.979653	96
Site 10 PSA	11:32	16/09/2010	55.7397	4.978913	92
Site 11 Biol	07:18	17/09/2010	55.859135	5.339265	152
Site 11 PSA	07:30	17/09/2010	55.859352	5.339022	152
Site 12 Biol	20:44	16/09/2010	55.939827	5.386615	146
Site 12 PSA	20:44	16/09/2010	55.939827	5.386615	146
Site 13 Biol	20:12	16/09/2010	55.999557	5.360543	59
Site 13 PSA	20:16	16/09/2010	55.998718	5.36013	59
Site 14 Biol	18:55	16/09/2010	56.129902	5.21008	71
Site 14 PSA	19:00	16/09/2010	56.129448	5.20973	71
Site 15 Biol	18:02	16/09/2010	56.160767	5.121397	115
Site 15 PSA	18:09	16/09/2010	56.16008	5.120937	115
Site 16 Biol	17:42	16/09/2010	56.189838	5.093963	136
Site 16 PSA	17:42	16/09/2010	56.189838	5.093963	136
Site 17 Biol	17:16	16/09/2010	56.219841	5.059595	121
Site 17 PSA	17:21	16/09/2010	56.219742	5.060015	121
Site 18 Biol	16:53	16/09/2010	56.239841	5.010463	68
Site 18 PSA	17:05	16/09/2010	56.240368	5.009544	70

ANNEX H: SCIENTIFIC DIVING FIELD LOG

Positions are WGS84 Latitude and Longitude (ddmm.mmmm)

Client	SNH									Job Number	J/10/219	
Location	Clyde Sea Area									Vessel	SV Otarie	
Survey	Mapping Priority Marine Features within the Clyde Sea Area									Date	October 2010	
Site Name	Dive Number	Time (GMT)	Date	Target species	Divers	Location	Easting (m)	Northing (m)	Latitude (N) ddmm.mm	Longitude (W) ddmm.mm	Depth (m)	Comments
Site 02	Dive 01	12:36	13/10/2010	<i>Limaria hians</i>	Magnus Axelsson and Ben Bradford	Shearwater Rock, Inchmarnock Island	365758.2	6182874.0	55° 46.3720'	005° 08.4042'	8.4	Brittlestar bed (<i>O. nigra</i>) with a large patch (20 m by 20 m) of maerl (<i>P. calcareum</i> with 1-2 % live maerl) and a rich associated fauna including <i>Alcyonium digitatum</i> , <i>Marthasterias glacialis</i> , <i>Echinus esculentus</i> , <i>Cancer pagurus</i> , <i>Porania</i> sp., <i>Necora puber</i> , <i>Luidia ciliaris</i> , <i>Henricia</i> sp., <i>Pecten maximus</i> and hermit crabs.
Site 02	Dive 02	13:36	13/10/2010	<i>Limaria hians</i>	Magnus Axelsson and Laura Plastow	Shearwater Rock, Inchmarnock Island	365252.5	6183255.7	55° 46.5692'	005° 08.8989'	10.9	Abundant <i>Limaria hians</i> around the shot line with several nests approximately 20 cm by 20 cm in size and several live specimens in each. Rich associated epifauna included <i>Marthasterias glacialis</i> , <i>Necora puber</i> , <i>Luidia ciliaris</i> , <i>Henricia</i> sp., <i>Pecten maximus</i> and hermit crabs. The individuals of <i>Limaria</i> were 2 cm long and actively swam away when disturbed. Took two infaunal samples (c. 20 cm by 20 cm) for later analysis in the laboratory.
Site 04	Dive 03	15:16	13/10/2010	Maerl	Magnus Axelsson and Ben Bradford	West of Inchmarnock Island	363818.5	6184972.5	55° 47.470'	005° 10.321'	8.5	Maerl (<i>P. calcareum</i>) dominated seabed but mostly dead maerl. Maerl cover of approximately 60-70% with 0-1% live maerl only. <i>Laminaria saccharina</i> (unattached), <i>Marthasterias glacialis</i> , <i>Asterias rubens</i> , <i>Crossaster papposus</i> , <i>Cancer pagurus</i> and <i>Henricia</i> sp.
Site 04	Dive 04	15:50	13/10/2010	Maerl	Laura Plastow and Ben Bradford	West of Inchmarnock Island	363813.9	6184675.6	55° 47.3100'	005° 10.31650'	8	Maerl (<i>P. calcareum</i>) dominated seabed but mostly dead maerl. Maerl cover of approximately 80-90% with 0-1 % live maerl only. Other fauna included <i>Marthasterias glacialis</i> , <i>Asterias rubens</i> , <i>Henricia</i> sp., <i>Porania</i> sp. and <i>Echinus esculentus</i> .

Site Name	Dive Number	Time (GMT)	Date	Target species	Divers	Location	Easting (m)	Northing (m)	Latitude (N) ddm.mm	Longitude (W) ddm.mm	Depth (m)	Comments
Site 01	Dive 05	11:22	14/10/2010	<i>Limaria hians</i>	Magnus Axelsson and Ben Bradford	The Narrows, Loch Fyne	352464.1	6210199.1	56° 00.8584'	005° 22.0022'	5.9	Gravelly sand to sandy gravel overlying mud? with some shell material (<i>Ensis</i> sp and other bivalves). <i>Laminaria saccharina</i> (unattached), <i>Cerianthus llodyii</i> , <i>Marthasterias glacialis</i> , <i>Asterias rubens</i> , <i>Henricia</i> sp. and a dogfish (<i>Scyliorhinus canicula</i>). An encrusting coralline alga (<i>Lithophyllum incrustans</i>) is also believed to be present.
Site 01	Dive 06	11:55	14/10/2010	<i>Limaria hians</i>	Laura Plastow and Ben Bradford	The Narrows, Loch Fyne	352557.4	6210238.8	56° 00.8815'	005° 21.9138'	10	Gravelly sand to sandy gravel overlying mud and with some shell material (<i>Ensis</i> sp and other bivalves). Other fauna included <i>Marthasterias glacialis</i> , <i>Asterias rubens</i> , <i>Pecten maximus</i> , <i>Henricia</i> sp., <i>Porania pulvillus</i> , Crinoids (featherstars) and <i>Echinus esculentus</i> .
Site 05	Dive 07	13:51	14/10/2010	<i>Modiolus</i> bed	Laura Plastow and Ben Bradford	Off Kilbride Island, Loch Fyne	362610.7	6221759.8	56° 07.2669'	005° 12.6007'	10	Rock (bedrock, boulders and cobbles) with kelp and shell material (<i>Ensis</i> , mussels and other bivalve shells). Soft mud and gravel towards the channel (between main land and Kilbride Island). <i>Echinus esculentus</i> , <i>Marthasterias glacialis</i> , <i>Asterias rubens</i> large dead mussel shells (<i>Modiolus</i>) but no live animals.
Site 05	Dive 08	14:25	14/10/2010	<i>Modiolus</i> bed	Laura Plastow and Ben Bradford	Off Kilbride Island, Loch Fyne	362630.0	6221815.9	56° 07.2975'	005° 12.5838'	4	Rock (boulders and cobbles) at edge of site with muddy sand towards the channel (between main land and Kilbride Island) and shell material (some large but empty mussel shells believed to be <i>Modiolus</i>). <i>Echinus esculentus</i> , <i>Marthasterias glacialis</i> , large dead mussel shells (<i>Modiolus</i>) but no live animals.
Site 03	Dive 09	11:10	15/10/2010	<i>Zostera</i> bed	Laura Plastow and Ben Bradford	Off Pladda Island, south Arran Island	364434.2	6145848.6	55° 26.4024'	005° 08.5770'	5	Kelp forest and park with red and other seaweeds on rock (bedrock, boulders and cobbles) with some coarse sand in surrounding areas. <i>Echinus</i> sp, <i>Marthasterias glacialis</i> , <i>Henricia</i> sp and Wrasse present.

Site Name	Dive Number	Time (GMT)	Date	Target species	Divers	Location	Easting (m)	Northing (m)	Latitude (N) ddmm.mm	Longitude (W) ddmm.mm	Depth (m)	Comments
Site 03	Dive 10	11:46	15/10/2010	<i>Zostera</i> bed	Laura Plastow and Ben Bradford	Off Pladda Island, south Arran Island	364709.0	6145633.6	55° 26.2911'	005° 08.3103'	8.4	Boulders and cobbles on bedrock with brown and red macroalgae but no kelp.
Site 03	Dive 11	12:05	15/10/2010	<i>Zostera</i> bed	Laura Plastow and Ben Bradford	Off Pladda Island, south Arran Island	364284.2	6145670.8	55° 26.3041'	005° 08.7140'	8	Coarse sand with some sparse maerl (<i>P. calcareum</i>) and shell material.
Site 03	Dive 12	12:40	15/10/2010	<i>Zostera</i> bed	Laura Plastow and Ben Bradford	Off Pladda Island, south Arran Island	365839.0	6145122.2	55° 26.0342'	005° 07.2247'	7.1	Coarse sand with some shell material.

ANNEX I: SEASTAR SURVEY MACROFAUNAL GRAB SAMPLE SPECIES LIST, 2010 CLYDE SEA PMF SURVEY

MCS A	MCS N	Taxon	Species	Authority	Qualifier	LL05_219 _016#02	LL06_219 _017#03	LL28_219 _117#01	LL30_219 _020#02	LL31_219 _021#01	LL32_219 _118#05	LL46_219 _020#02	LL48_219 _120#02	LL64_219 _033#02	LF01_219 _088#01	LF08_219 _090#01	LF17_219 _093#03	LF17_219 _093#05	LF17_219 _093#06
D	583	ANTHOZOA	spp.																
D	618	Virgularia	mirabilis	(O F Müller, 1776)												3			
D	632	Ceranthus	ilodyii	Gosse, 1859		1	1												
D	662	ACTINIARIA	spp.					1											
D	764	Edwardsia	spp.	de Quatrefages, 1841		1													
F	2	TURBELLARIA	spp.					2											
G	1	NEMERTEA	spp.				5	5	3		1	1	4		4				
J	7	Priapulus	caudatus	Lamarck, 1816	Juv.		1			1					1				
N	14	Golfingia	elongata	(Keferstein, 1862)			1	4											
N	25	Nephasoma	minutum	(Keferstein, 1862)							1	1	1						
P	19	Aphrodita	aculeata	Linnaeus, 1758	Juv.	3			1		1				1				
P	25	Polynoidae	sp.				4			3									
P	49	Gattyana	cinosa	(Pallas, 1766)			1				2								
P	68	Malmgreniella	marphysae	McIntosh, 1876						2	1								
P	87	Panthalis	oerstedii	Kinberg, 1856												2			
P	91	Pholoe	baltica	Oersted, 1843		8	5				2			11	2				
P	107	Sthenelais	boa	(Johnston, 1839)		3													
P	118	Eteone	longa	(Fabricius, 1780)	agg	4								4	4				
P	145	Anatides	mucosa	(Oersted, 1843)		4													
P	164	Eumida	cf. bahusiensis	Bergstrom, 1914		3		4											
P	256	Glycera	alba	(O F Müller, 1776)		2	3	2			3	1	1	1	2				
P	263	Glycera	rouxii	Audouin & Milne-Edwards, 1833						3				1	2	2			
P	271	Goniada	maculata	Oersted, 1843		8	4	1		3			2	4	1				
P	291	Sphaerodorum	gracilis	(Rathke, 1843)		2	2												
P	310	Nereimyra	punctata	(O F Müller, 1788)			5	1		8									
P	312	Ophiodromus	flexuosus	(Chiaje, 1827)							2		1						
P	338	Ancistrosyllis	groenlandica	McIntosh, 1879											4				
P	340	Glyphohesion	klatti	Ditlevsen, 1917	Fam Pilargidae			1											
P	421	Exogone	hebes	(Webster & Benedict, 1884)			1												
P	475	Eunereis	longissima	Johnston, 1840			1			2			1						
P	494	Nephtys	spp.		juv./indet.		2	2	7	2				1			3	4	
P	499	Nephtys	homborgii	Savigny, 1818		3											21	9	5
P	501	Nephtys	incisa	Malmgren, 1865				2	4			4		3	1	7			
P	502	Nephtys	kersivalensis	McIntosh, 1908		6	1	1					1				2		8
P	575	Lumbrineris	cluthensis	(Clark, 1953)												1			
P	579	Lumbrineris	gracilis	(Ehlers, 1868)		3	12	1		17								1	
P	657	Leitoscoloplos	mammosus	Mackie, 1987		5		2					3	23	16		1	2	1
P	693	Levinsonia	gracilis	(Tauber, 1879)				1		17	1				2				
P	699	Paradoneis	lyra	(Southern, 1914)		1	6	1		6									
P	725	Atherospio	disticha	Mackie & Duff, 1986								3							
P	733	Laonice	bahusiensis	Soderstrom, 1920			2			2									
P	746	Minuspio	cf. multibranchia	(Berkeley, 1927)				1	2		1					1			
P	751	Polydora	caulleryi	Mesnil, 1897		1													
P	752	Polydora	ciliata	(Johnston, 1838)	agg.	2		3		3				1					
P	765	Prionospio	fallax	Soderstrom, 1920		2	1	3	1	4		2	1	3	3		1		
P	774	Pseudopolydora	pulchra	(Carazzi, 1895)		2		2		3									
P	790	Spio	decorata	Bobretzky, 1870		1													
P	794	Spiophanes	bombyx	(Claparède, 1870)		4				1									
P	796	Spiophanes	kroyeri	Grube, 1860		9	4	3	1	17	5			16	2	5			
P	822	Cirratulidae	sp.							1									
P	831	Caulerella	zetlandica	(McIntosh, 1911)							2	7	4	3					
P	834	Chaetozone	setosa	Malmgren, 1867					1	3	3	1	4	26	4				
P	835	Cirratulus	sp.	Lamarck, 1801	Juv.									1					
P	838	Cirriformia	sp.	Hartman, 1936	indet./juv.	1													
P	844	Monticellina	cf. dorsobranchia	(Kirkegaard, 1959)			2			2					1	3			
P	878	Diplocirrus	glaucus	(Malmgren, 1867)		20	3	4	3	2			26	4	7				
P	919	Mediomastus	fragilis	Rasmussen, 1973		2	8	1		3	1		8	5	91		1	2	3

MCS A	MCS N	Taxon	Species	Authority	Qualifier	LL05_219 _016#02	LL06_219 _017#03	LL28_219 _117#01	LL30_219 _020#02	LL31_219 _021#01	LL32_219 _118#05	LL46_219 _020#02	LL48_219 _120#02	LL64_219 _033#02	LF01_219 _088#01	LF08_219 _090#01	LF17_219 _093#03	LF17_219 _093#05	LF17_219 _093#06
P	921	Notomastus	latericeus	M Sars, 1851		3		4	2	4	1	6			6	1			
P	963	Euclymene	lumbricoides	(Quatrefages, 1866)			1			1									
P	971	Praxillella	affinis	(M Sars, 1872)		2	3	1		5				1	3	2			
P	972	Praxillella	gracilis	(M Sars, 1861)				1						1					
P	989	Rhodine	gracilior	(Tauber, 1879)		2	3	5		1									
P	1014	Ophelina	acuminata	Oersted, 1843			2			3									
P	1027	Scalibregma	inflatum	Rathke, 1843		4	2	1	26	2	15			23	32		1		
P	1093	Galathowenia	oculata	Zaks, 1922		4	7	9		8	2		3	7					
P	1098	Owenia	fusiformis	Chiaje, 1842		24	15	15		16		1		1					
P	1102	Amphictene	auricoma	(O F Müller, 1776)			1				1								
P	1107	Lagis	koreni	(Malmgren, 1866)		11	8	17	15	13	25	5	1	27					
P	1124	Melinna	palmeta	Grube, 1869		54	7	2		7		3	3	1			1	2	
P	1125	Ampharetinae	spp.				1			8	19					1			
P	1139	Ampharete	lindstroemi	Hessle, 1917		41	2	4		1									
P	1147	Anobothrus	gracilis	(Malmgren, 1866)			3	1		8	17			1					
P	1175	Terebellides	stroemi	M Sars, 1835			2			2	1								
P	1182	Amphitrite	cirrata	O.F. Muller, 1771			1			4	2								
P	1195	Lanice	conchilega	(Pallas, 1766)		4	1	22		3									
P	1217	Pista	cristata	(O F Müller, 1776)		1				4									
P	1235	Polycirrus	sp.	Grube, 1850						3	1								
P	1242	Polycirrus	medusa	Grube, 1850				1	1										
P	1254	Thelepus	cincinnatus	(Fabricius, 1780)			1				1								
P	1257	Sabellidae	sp.		indet./dam	1	3			3	2								
P	1269	Chone	filicaudata	Southern, 1914			1												
P	1280	Euchone	rubrocincta	(M Sars, 1861)						6									
P	1290	Jasmineira	elegans	Saint-Joseph, 1894		1	1			1									
P	1316	Pseudopotamilla	reniformis	(Bruguiera, 1789)			1												
P	1341	Pomatoceros	triqueter	(Linnaeus, 1758)						3									
P	1489	Tubificoides	amplivasatus	(Erséus, 1975)									2					1	
S	140	Westwoodilla	caecula	(Bate, 1856)						1									
S	178	Leucothoe	lilljeborgi	Boeck, 1861					1	1									
S	254	Harpinia	antennaria	Meinert, 1890				1								1			
S	427	Ampelisca	brevicornis	(Costa, 1853)				3									1		1
S	429	Ampelisca	diadema	(A Costa, 1853)						3									
S	432	Ampelisca	macrocephala	Liljeborg, 1852												1			
S	438	Ampelisca	spinipes	Boeck, 1861						1									
S	440	Ampelisca	tenuicornis	Liljeborg, 1855		2	1	1				1					3		1
S	442	Ampelisca	typica	(Bate, 1856)														1	
S	448	Haploops	tubicola	Liljeborg, 1855							3								
S	541	Gammaropsis	maculata	(Johnston, 1828)			1				1								
S	552	Photis	longicaudata	(Bate & Westwood, 1862)			3												
S	577	Aoridae	sp.				1			2									
S	579	Aora	typica	Krøyer, 1845	Syn. Aora gracilis												3		
S	651	Pariambus	typicus	(Krøyer, 1845)				2											
S	659	Pseudoprotella	phasma	(Montagu, 1804)			44												
S	935	Idotea	baltica	(Pallas, 1772)				1											
S	1201	Iphinoe	serrata	Norman, 1867		4		1		2				2					
S	1208	Eudorella	truncatula	(Bate, 1856)											1				
S	1251	Diastylis	laevis	Norman, 1869										1					
S	1409	Calocaris	macandreae	Bell, 1846							1								
S	1482	Pisidia	longicornis	(Linnaeus, 1767)			2			1									
S	1580	Liocarcinus	depurator	(Linnaeus, 1758)						1									
W	9	Chaetoderma	nitidulum	Lovén, 1844				1		2	1								
W	88	GASTROPODA	spp.		indet.														1
W	270	Turritella	communis	Risso, 1826				8		1									
W	344	Alvania	punctura	(Montagu, 1803)			1												

MCS A	MCS N	Taxon	Species	Authority	Qualifier	LL05_219 _016#02	LL06_219 _017#03	LL28_219 _117#01	LL30_219 _020#02	LL31_219 _021#01	LL32_219 _118#05	LL46_219 _020#02	LL48_219 _120#02	LL64_219 _033#02	LF01_219 _088#01	LF08_219 _090#01	LF17_219 _093#03	LF17_219 _093#05	LF17_219 _093#06
W	669	Vitreolina	philippi	(Rayneval & Ponzi, 1854)		1													
W	824	Oenopota	turricula	(Montagu, 1803)							1								
W	1019	Scaphander	lignarius	(Linnaeus, 1758)				2											
W	1028	Cylichna	cylindracea	(Pennant, 1777)		4	1				1	1		4	1				
W	1038	Philine	aperta	(Linnaeus, 1767)									1						
W	1080	Retusa	truncatula	(Bruguère, 1792)													5	3	
W	1083	Cylichnina	umbilicata	(Montagu, 1803)	Syn. Retu	1													
W	1320	Onchidoris	sp.	de Blainville, 1816			3			2									
W	1400	Armina	loveni	(Bergh, 1860)				1											
W	1560	Pelecypoda	sp.					1											
W	1569	Nucula	nitidosa	Winckworth, 1930		5		4	8	3	5	9		15	16	5			
W	1577	Nuculoma	tenuis	(Montagu, 1808)				1						1	13	1			
W	1721	Musculus	discors	(Linnaeus, 1767)				1											
W	1807	Anomia	ephippium	Linnaeus, 1758			3												
W	1829	Lucinoma	borealis	(Linnaeus, 1767)			1												
W	1835	Thyasira	sp.	Lamarck, 1818				2											
W	1837	Thyasira	flexuosa	(Montagu, 1803)		16				2	1	1		8	77			2	
W	1902	Tellimya	ferruginosa	(Montagu, 1808)		1													
W	1906	Mysella	bidentata	(Montagu, 1803)		117	16	3	21	5	4	80		53	1				
W	1952	Parvcardium	scabrum	(Philippi, 1844)														1	
W	1943	Acanthocardia	echinata	(Linnaeus, 1758)		1	3												
W	2006	Phaxas	pellucidus	(Pennant, 1777)		4		1			1	1							
W	2059	Abra	alba	(W Wood, 1802)		10	1	4	6	2	14	5		4	17	2		1	
W	2061	Abra	nitida	(O F Müller, 1776)		33	3	28	35		6		4	4		1			
W	2072	Arctica	cf. islandica	(Linnaeus, 1767)			1	1									1		
W	2098	Chamelea	striatula	(Linnaeus, 1758)	Syn. Venu	4	1												
W	2104	Timoclea	ovata	(Pennant, 1777)			1												
W	2126	Dosinia	sp.	Scopoli, 1777	Juv.	4													
W	2128	Dosinia	lupinus	(Linnaeus, 1758)		2	2												
W	2147	Mya	truncata	Linnaeus, 1758		15	13			2									
W	2149	Mya	arenaria	Linnaeus, 1758		2													
W	2157	Corbula	gibba	(Oliv, 1792)		2					5	4	2	2	4	4			
W	2166	Hiatella	arctica	(Linnaeus, 1767)			1												
W	2172	Saxicavella	jeffreysi	Winckworth, 1930								3							
W	2227	Thracia	sp.	J de C Sowerby, 1823	Damaged	3								1					
W	2231	Thracia	phaseolina	(Lamarck, 1818)		2													
ZA	5	Phoronis	muelleri	Selys-Longchamps, 1903			5	16	5	39	3	10	5						1
ZB	18	ASTEROIDEA	spp.		Juv.		1												
ZB	148	Amphiuridae	spp.		Juv.	8	2					1	1	2	5	2			
ZB	152	Amphiura	chiaiei	Forbes, 1843		51	46	5	5	3	9	16		35	26	18			
ZB	165	Ophiuridae	sp.		Juv.	2	1	2											
ZB	168	Ophiura	albida	Forbes, 1839		1	4												
ZB	170	Ophiura	ophiura	(Linnaeus, 1758)		1													
ZB	223	Echinocardium	cordatum	(Pennant, 1777)		3													
ZB	280	Leptopentacta	elongata	(Duben & Koren, 1845)											1			1	
ZB	292	Leptosynapta	bergensis	(Ostergren, 1905)		4	4		1	1				5	1				
						556	308	220	149	285	169	167	79	306	352	63	39	32	24

ANNEX J: SEPA SURVEY MACROFAUNAL GRAB SAMPLE SPECIES LIST, 2010 CLYDE SEA PMF SURVEY

MCS A	MCS N	Taxon	Species	Authority	Qualifier	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8	Site 9	Site 10	Site 11	Site 12	Site 13	Site 14	Site 15	Site 16	Site 17	Site 18
D	632	Cerianthus	ilodyii	Gosse, 1859														1					
G	1	NEMERTEA	spp.												3			5				1	
HD	1	NEMATODA	sp.															2					
N	1	SIPUNCULA	sp.															1					
P	25	Polynoidae	sp.													1		1			1		
P	49	Gattyana	cirrosa	(Pallas, 1766)												1							
P	50	Harmothoe	spp.													1		1					
P	91	Pholoe	sp.	Johnston, 1839														1					
P	91	Pholoe	baltica	Oersted, 1843														1					
P	107	Sthenelais	boa	(Johnston, 1839)											1			1					
P	118	Eteone	longa	(Fabricius, 1780)	agg										1								
P	124	Eteone	foliosa	(Quatrefages, 1866)	Syn. Hypereteone													1					
P	146	Anatides	rosea	(McIntosh, 1877)														1					
P	163	Eumida	sp.																1				
P	255	Glycera	sp.	Savigny, 1818	Juv.			1							1	1		1					
P	256	Glycera	alba	(O F Müller, 1776)												1				1			
P	263	Glycera	rouxii	Audouin & Milne-Edwards, 1833		1		3	2					1	1	1		1	1	1			1
P	271	Goniada	maculata	Oersted, 1843													1	2	2				
P	291	Sphaerodorum	gracilis	(Rathke, 1843)																		1	
P	310	Nereimyra	punctata	(O F Müller, 1788)												1							
P	368	Syllis	hyalina	(Grube, 1863)	Syn. Typosyllis													1					
P	423	Exogone	verugera	(Claparède, 1868)														1					
P	498	Nephtys	cirrosa	Ehlers, 1868											6								
P	499	Nephtys	hombergii	Savigny, 1818											2								
P	501	Nephtys	incisa	Malmgren, 1865			5	2	2		1		1						3		1		
P	502	Nephtys	kersivalensis	McIntosh, 1908														1					
P	572	Lumbrineris	sp.	de Blainville, 1828				3							1	1	1	3				1	
P	575	Lumbrineris	cluthensis	(Clark, 1953)											1			1	1				
P	579	Lumbrineris	gracilis	(Ehlers, 1868)														2					
P	693	Levinsonia	gracilis	(Tauber, 1879)																	1		
P	708	SPIONOIDEA	sp.		indet./juv.										2	1		4				2	
P	723	Aonides	paucibranchiata	Southern, 1914											1			2					
P	731	Laonice	sp.	Malmgren, 1867												1							
P	794	Spiophanes	bombyx	(Claparède, 1870)														1				2	
P	796	Spiophanes	kroyeri	Grube, 1860				1							15	2	6	5	7			6	
P	822	Cirratulidae	sp.		indet./juv.							1				2		6	5	7		1	
P	831	Caulerella	zetlandica	(McIntosh, 1911)											2			1			1		1
P	834	Chaetozone	setosa	Malmgren, 1867			1								1	1							1
P	844	Monticellina	cf. dorsobranchia	(Kirkegaard, 1959)															1			2	
P	878	Diplocirrus	glaucus	(Malmgren, 1867)			1								1			2	3		1	1	
P	919	Mediomastus	fragilis	Rasmussen, 1973											10			1				4	
P	921	Notomastus	latericeus	M Sars, 1851											4								
P	938	Maldanidae	spp.															2					
P	947	Asychis	biceps	(M Sars, 1861)																			1
P	955	Clymenura	sp.	Verrill, 1900				1															
P	971	Praxillella	affinis	(M Sars, 1872)											1			1	1				1
P	972	Praxillella	gracilis	(M Sars, 1861)											1				2				
P	1014	Ophelina	acuminata	Oersted, 1843					1									2					
P	1027	Scalibregma	inflatum	Rathke, 1843			2							1	42				8		1		
P	1098	Owenia	fusiformis	Chiaje, 1842														12					
P	1099	TEREBELLIDA	sp.		indet./juv.						2				3	1		4	1				
P	1107	Lagis	koreni	(Malmgren, 1866)											9								
P	1124	Melinna	palmata	Grube, 1869														3					
P	1125	Ampharetinae	spp.															2					
P	1139	Ampharete	lindstroemi	Hessle, 1917											5	1		2					
P	1217	Pista	cristata	(O F Müller, 1776)														1					
P	1235	Polycirrus	sp.	Grube, 1850											1				4				

MCS A	MCS N	Taxon	Species	Authority	Qualifier	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8	Site 9	Site 10	Site 11	Site 12	Site 13	Site 14	Site 15	Site 16	Site 17	Site 18
Q	44	Anoplodactylus	petiolatus	(Kröyer, 1844)														1					
S	118	Oedicerotidae	sp.													1							
S	254	Harpinia	antennaria	Meinert, 1890											1	1							
S	413	Atylus	vedlomensis	(Bate & Westwood, 1862)														3					
S	423	Ampelisca	sp.	Kröyer, 1842	Juv./indet.													1					
S	427	Ampelisca	brevicornis	(Costa, 1853)											1								
S	1311	Palaeomonidae	sp.		Juv.								1			1							
S	1409	Calocaris	macandreae	Bell, 1846				2	1		1										1		
W	9	Chaetoderma	nitidulum	Lovén, 1844				1				1											
W	1560	Pelecypoda	sp.																			1	
W	1570	Nucula	nucleus	(Linnaeus, 1758)		2	1	1			4	2		1	2	11		7	2				
W	1577	Nuculoma	tenuis	(Montagu, 1808)		1	1	6			1			2	2	18	6	1	6	2	2	2	2
W	1595	Nuculana	minuta	(O F Müller, 1776)												2		6					
W	1768	Pectinidae	sp.															1					
W	1835	Thyasira	sp.	Lamarck, 1818	Juv.			1															
W	1837	Thyasira	flexuosa	(Montagu, 1803)											2								
W	1906	Mysella	bidentata	(Montagu, 1803)											2			2					
W	2006	Phaxas	pellucidus	(Pennant, 1777)											2								
W	2059	Abra	alba	(W Wood, 1802)		2	3	47	7		4			4	29	10	8		28				
W	2061	Abra	nitida	(O F Müller, 1776)				1															
W	2157	Corbula	gibba	(Oliv, 1792)				2								1	17		2				
W	2172	Saxicavella	jeffreysi	Winckworth, 1930		1				1													
W	2227	Thracia	sp.	J de C Sowerby, 1823	Damaged																	2	
ZB	18	ASTEROIDEA	spp.		Juv.													7					
ZB	148	Amphiuridae	spp.		Juv./damaged										5			2				1	
ZB	152	Amphiura	chiaiei	Forbes, 1843				2				1			2	3		1	5	1		4	21
ZB	154	Amphiura	filiformis	(O F Müller, 1776)											5			9	3				
ZB	294	Leptosynapta	decaria	(Ostergren, 1905)														1					
						7	10	77	14	1	13	5	2	9	168	62	39	116	82	4	9	31	28

ANNEX K: LIST OF BIOTOPES OBSERVED FROM THE DROP-DOWN CAMERA SURVEY

Biotope	Locations
IR.HIR.KSed	LF23;
IR.HIR.KSed.LsacChoR	LF02;
IR.HIR.KSed.Sac	CS48;
IR.MIR.KR	LL26;
IR.MIR.KR.XFoR	LF05
IR.MIR.KT.XKTX	LL17; LL21;
IR.LIR.K	LF41
IR.LIR.K.Lsca.Gz	LL26;
IR.LIR.K.Sac	LF49; LL41; CS48
IR.LIR.K.Sar	LF41; Cs48
CR.FCR.FouFa.AdigMsen	LL45;
CR.HCR.(Xfa)	LF23; LF49;
CR.HCR.XFa.(Mol)	LF36;
CR.HCR.Xfa.SpAnVt	LF33;
CR.MCR.EcCr	LL25
CR.MCR.EcCr.AdigVt	LL62
CR.MCR.EcCr.FaAlCr	LF36; LL69
CR.MCR.EcCr.FaAlCr.Bri	LF16; LF36; LF54
CR.MCR.EcCr.UrtScr	CS15; CS50;
CR.LCR.BrAs	LF05; LF26; LL62; CS14; CS46; CS50
CR.LCR.BrAs.AmenCio	LF05; LL12; LL53; LL62;
CR.LCR.BrAs.AmenCio.Bri	CS15; CS50
CR.LCR.BrAs.AntAsh	LF26; LL62; CS15; CS46; CS50
CR.LCR.BrAs.NeoPro	LF03; LF05; LF07; LL53; LL58; LL59; LL62; LL67;
SS.SCS.ICS	LF03; LF41; LF47; LF49; LL17; LL41; LL43; LL52; CS43; CS48; CS49
SS.SCS.ICS.SSh	LL22;
SS.SCS.CCS	LF03; LF11; LF12; LF23; LF41; LF46; LF47; LL15; LL17; LL22; LL52; LL62; LL65; LL69
SS.SCS.CCS.(Gr)	LF07; LF23; LL36; CS50;
SS.SCS.CCS. (CbPb)	LF23;
SS.SSa.IFiSa	LF01; LF12; CS49;
SS.SSa.IMuSa	LF06; LL08; LF52; CS01; CS02;
SS.SSa.IMuSa.ArelSa	LF01; LF52;
SS.SSa.CMuSa	LF06; LF12; LF14; LF23; LF26; LF39; LF45; LF47; LF49; LL06; LL12; LL13; LL14; LL20; LL22; LL43; LL58; LL62; LL71; LL72; CS13; CS15; CS50
SS.SSa.CMuSa.(AalbNuc)	LF39;
SS.SSa.CMuSa.AbraAirr	LF30; LF39; LF41; LL04; LL05; LL13; LL72;
SS.SMu.ISaMu	LF17; LF49; LF52; LL52;
SS.SMu.ISaMu.(NhomMac)	LL66
SS.SMu.ISaMu.AmpPlon	LL45;
SS.SMu.CSaMu	LF06; LF12; LF13; LF23; LF26; LF30; LF45; LF49; LL01; LL02; LL04; LL06; LL12; LL20; LL22; LL25; LL32; LL34; LL39; LL43; LL44; LL49; LL53; LL56; LL59; LL60; LL67; LL68; LL71; CS03; CS04; CS06; CS10; CS13; CS15; CS46; CS47; CS50;
SS.SMu.CSaMu.Afil*	LF26; LF37;

Biotope	Locations
SS.SMu.CSaMu.AfilMysAnit	LL02; LL04; LL05; LL06; LL55; LL56;
SS.SMu.CSaMu.(AfilNten)	LL55;
SS.SMu.CSaMu.AfilNten	LF45; LL12; LL13; LL20; LL25; LL57; LL72
SS.SMu.CSaMu.(VirOphPmax.Has)	LF15; LF30;
SS.SMu.CSaMu.VirOphPmax	LL43
SS.SMu.CSaMu.VirOphPmax.Has	LF30; LL56;
SS.SMu.IFiMu	LF17; LL25;
SS.SMu.CFiMu	LF02; LF03; LF04; LF05; LF07; LF08; LF13; LF19; LF21; LF26; LF29; LF31; LF32; LF33; LF34; LF35; LF37; LF40; LF48; LF50; LF51; LL07; LL11; LL15; LL16; LL18; LL22; LL23; LL24; LL25; LL28; LL30; LL32; LL33; LL42; LL44; LL46; LL48; LL49; LL50; LL51; LL61; LL63; LL64; LL66; LL68; CS06; CS10; CS13; CS45; CS46;
SS.SMu.CFiMu.(BlyrAchi)	LL22;
SS.SMu.CFiMu.SpnMeg	LF02; LF03; LF04; LF05; LF08; LF12; LF34; LF36; LF48; LF51; LL07; LL11; LL12; LL13; LL14; LL18; LL24; LL25; LL28; LL43; LL46; LL48; LL53; LL63; LL64; CS45;
SS.SMu.CFiMu.MegMax	LF48; LF51; LL15; LL16; LL24; LL30; LL32; LL33; LL50; LL61; LL64; CS15;
SS.SMx.IMx	LF07; LF25; LL21; LL25; LL41; CS01
SS.SMx.CMx	LF02; LF03; LF05; LF06; LF07; LF12; LF14; LF15; LF23; LF26; LF27; LF30; LF36; LF37; LF39; LF41; LF46; LF47; LL01; LL03; LL04; LL06; LL13; LL15; LL17; LL20; LL22; LL27; LL29; LL31; LL32; LL36; LL39; LL40; LL43; LL45; LL47; LL49; LL52; LL53; LL54; LL58; LL59; LL60; LL62; LL65; LL67; LL68; LL69; LL70; LL71; LL72; CS06; CS10; CS13; CS14; CS15; CS46;
SS.SMx.CMx.(CiloModHo)	LL15;
SS.SMx.CMx.CiloModHo	LL20; LL36;
SS.SMx.CMx.CiloMx	LF15; LF30; LF46; LF47; LL03; LL04; LL13; LL15; LL17; LL29; LL43; LL47; LL52; LL54; LL58; LL59; LL60; LL65; LL68; LL69; CS05; CS14;
SS.SMx.CMx.CiloMx.Nem	LF27; LL02; LL04; LL55;
SS.SMx.CMx.OphMx	LF10; LF11; LF16; LF23; LF36; LF44; LF46; LF47; LF54; LL25; LL26; LL27; LL36; LL54; CS46;
SS.SMp.KSwSS	LF01; LF02; LF06; LF11; LF12; LF46; LL03; LL47; CS01; CS44
SS.SMp.KSwSS.Pcri	CS13
SS.SMp.KSwSS.LsacCho	LL21
SS.SMp.KSwSS.LsacR	LF25; LF46; LF49; LL15; LL47; CS01; CS02
SS.SMp.KSwSS.LsacR.CbPb	LF41; LF49
SS.SMp.KSwSS.LsacR.Gv	LF11; LF12; LF16; LF27; LF41; LL15; LL20; LL52; CS01; CS44
SS.SMp.KSwSS.LsacR.Sa	LF46; LF47; LF49; LL08; LL52
SS.SMp.KSwSS.LsacR.Mu	LF01; LL52;
SS.SMp.Mrl.(Pcal)	LF16; LF41; LF54; LL21; CS01; CS48
SS.SMp.Mrl.Pcal (dead)	LF54; CS01
SS.SMp.Mrl.Pcal.R (dead)	LF16; LF41; CS48;

Biotope	Locations
SS.SBR.SMus.ModT	LF44; LL43; LL62; LL70;
SS.SBR.SMus.ModHAs	LL62;

* Not a recognised biotope from Connor *et al.* (2004), but lacking any species to place into a suitable sub-biotope.

ANNEX L: LIST OF SPECIES OBSERVED FROM VIDEO AND STILL PHOTOGRAPH ANALYSIS

MCS alpha	MCS num	Genus	Species
ZM	1	RHODOPHYCOTA	spp.
ZM	143	<i>Asparagopsis</i>	<i>armata</i>
ZM	158	<i>Gelidium</i>	<i>spinosum</i>
ZM	255	<i>Phymatolithon</i>	<i>calcareum</i>
ZM	322	<i>Cystoclonium</i>	<i>purpureum</i>
ZM	592	<i>Cryptopleura</i>	<i>ramosa</i>
ZM	594	<i>Delesseria</i>	<i>sanguinea</i>
ZR	1	CHROMOPHYCOTA	spp.
ZR	163	<i>Asperococcus</i>	<i>Bullosus</i>
ZR	325	<i>Carpomitra</i>	<i>costata</i>
ZR	389	<i>Himanthalia</i>	<i>elongata</i>
ZR	346	<i>Chorda</i>	<i>filum</i>
ZR	349	<i>Laminaria</i>	sp.
ZR	350	<i>Laminaria</i>	<i>digitata</i>
ZR	351	<i>Laminaria</i>	<i>hyperborea</i>
ZR	354	<i>Saccharina</i>	<i>latissima</i>
ZR	382	<i>Fucus</i>	<i>serratus</i>
ZR	384	<i>Fucus</i>	<i>vesiculosus</i>
ZR	393	<i>Sargassum</i>	<i>muticum</i>
ZS	1	CHLOROPHYCOTA	spp.
ZS	179	<i>Ulva</i>	<i>lactuca</i>
C	1	PORIFERA	spp.
C	78	<i>Grantia</i>	<i>compressa</i>
C	223	<i>Pachymatisma</i>	<i>johnstonia</i>
C	414	<i>Suberites</i>	spp.
C	418	<i>Suberites</i>	<i>ficus</i>
C	536	<i>Axinella</i>	sp.
C	545	<i>Axinella</i>	<i>infundibuliformis</i>
C	632	<i>Halichondria</i>	sp.
C	651	<i>Halichondria</i>	<i>panicea</i>
C	726	<i>Mycale</i>	<i>macilenta</i>
C	732	<i>Mycale</i>	<i>rotalis</i>
C	758	<i>Amphilectus</i>	<i>fucorum</i>
C	943	<i>Hymedesmia</i>	<i>Paupertas</i>
C	1057	<i>Iophon</i>	<i>nigricans</i>
C	1078	<i>Myxilla</i>	sp.
C	1184	<i>Microciona</i>	sp.
C	1670	<i>Dysidea</i>	<i>fragilis</i>
D	1	CNIDARIA	spp.
D	58	HYDROZOA	spp.
D	166	<i>Tubularia</i>	<i>indivisa</i>
D	218	<i>Eudendrium</i>	sp.
D	273	<i>Hydractinia</i>	<i>echinata</i>
D	390	<i>Halecium</i>	sp.
D	413	<i>Diphasia</i>	sp.
D	424	<i>Hydrallmania</i>	<i>falcata</i>
D	427	<i>Sertularella</i>	sp.
D	431	<i>Sertularella</i>	<i>rugosa</i>
D	455	<i>Kirchenpaueria</i>	sp.

MCS alpha	MCS num	Genus	Species
D	463	<i>Nemertesia</i>	<i>antennina</i>
D	462	<i>Nemertesia</i>	sp.
D	466	<i>Nemertesia</i>	<i>ramosa</i>
D	517	<i>Obelia</i>	sp.
D	583	ANTHOZOA	spp.
D	597	<i>Alcyonium</i>	<i>digitatum</i>
D	618	<i>Virgularia</i>	<i>mirabilis</i>
D	623	<i>Pennatula</i>	<i>phosphorea</i>
D	631	CERIANTHIDAE	Sp.
D	632	<i>Cerianthus</i>	<i>lloydii</i>
D	634	<i>Pachycerianthus</i>	<i>multiplicatus</i>
D	649	<i>Epizoanthus</i>	<i>couchii</i>
D	662	<i>Actiniaria</i>	sp.
D	668	<i>Protanthea</i>	<i>simplex</i>
D	681	<i>Bolocera</i>	<i>tuediae</i>
D	682	<i>Urticina</i>	sp.
D	683	<i>Urticina</i>	<i>eques</i>
D	710	<i>Metridium</i>	<i>senile</i>
D	721	<i>Sagartiogeton</i>	<i>laceratus</i>
D	743	<i>Adamsia</i>	<i>carciniopados</i>
D	764	<i>Edwardsia</i>	sp.
D	755	<i>Peachia</i>	<i>Cylindrical</i>
D	783	<i>Caryophyllia</i>	<i>Smithii</i>
O	1	ECHIURA	sp.
O	13	<i>Amalosoma</i>	<i>eddystonense</i>
P	2	POLYCHAETA	spp.
P	19	<i>Aphrodita</i>	<i>Aculeate</i>
P	25	POLYNOIDAE	sp.
P	34	<i>Alentia</i>	<i>gelatinosa</i>
P	313	<i>Ophiodromus</i>	<i>flexuosus</i>
P	748	<i>Polydora</i>	sp.
P	811	<i>Chaetopterus</i>	tubes
P	929	<i>Arenicola</i>	faecal casts
P	1107	<i>Lagis</i>	<i>koreni</i>
P	1179	TEREBELLIDAE	sp.
P	1195	<i>Lanice</i>	<i>conchilega</i>
P	1257	SABELLIDAE	sp. (tube)
P	1301	<i>Myxicola</i>	<i>infundibulum</i>
P	1320	<i>Sabella</i>	<i>pavonina</i>
P	1324	SERPULIDAE	sp.
P	1339	<i>Spirobranchus</i>	sp.
P	1343	<i>Serpula</i>	<i>vermicularis</i>
P	1391	<i>Spirorbis</i>	sp.
R	1	CRUSTACEA	sp.
R	14	CIRRIPEDIA	sp.
R	74	<i>Balanus</i>	sp.
S	1276	DECAPOD	sp.
S	1293	CARIDEA	sp.
S	1377	<i>Pandalus</i>	<i>montagui</i>

MCS alpha	MCS num	Genus	Species
S	1485	BRACHYURA	sp.
S	1385	<i>Crangon</i>	<i>crangon</i>
S	1402	<i>Nephrops</i>	<i>norvegicus</i>
S	1445	PAGURIDAE	Sp.
S	1457	<i>Pagurus</i>	<i>bernhardus</i>
S	1478	<i>Munida</i>	<i>rugosa</i>
S	1512	MAJIDAE	sp.
S	1518	<i>Hyas</i>	<i>araneus</i>
S	1525	<i>Inachus</i>	sp.
S	1529	<i>Macropodia</i>	sp.
S	1566	<i>Cancer</i>	<i>pagurus</i>
S	1580	<i>Liocarcinus</i>	<i>depurator</i>
S	1589	<i>Necora</i>	<i>puber</i>
S	1594	<i>Carcinus</i>	<i>maenas</i>
S	1619	<i>Lophozozymus</i>	<i>incisus</i>
W	46	POLYPLACOPHORA	sp.
W	51	<i>Leptochiton</i>	sp.
W	53	<i>Leptochiton</i>	<i>asellus</i>
W	81	<i>Tonicella</i>	<i>marmorea</i>
W	88	GASTROPODA	sp.
W	116	<i>Diodora</i>	<i>graeca</i>
W	156	TROCHINAE	sp.
W	157	<i>Gibbula</i>	sp.
W	182	<i>Calliostoma</i>	<i>zizyphinum</i>
W	270	<i>Turritella</i>	<i>communis</i>
W	293	Littorininae	sp.
W	708	<i>Buccinum</i>	<i>undatum</i>
W	743	<i>Nassarius</i>	sp.
W	1243	NUDIBRANCHIA	sp.
W	1250	<i>Tritonia</i>	<i>hombergii</i>
W	1319	ONCHIDORIDIDAE	sp.
W	1333	<i>Acanthodoris</i>	<i>pilosa</i>
W	1349	<i>Polycera</i>	<i>faeroensis</i>
W	1350	<i>Polycera</i>	<i>quadrilineata</i>
W	1407	<i>Janolus</i>	<i>cristatus</i>
W	1484	<i>Aeolidia</i>	<i>papillosa</i>
W	1519	<i>Antalis</i>	<i>entalis</i>
W	1560	BIVALVIA (PELECYPODA)	sp.
W	1702	<i>Modiolus</i>	<i>modiolus</i>
W	1768	PECTINIDAE	sp.
W	1771	<i>Pecten</i>	<i>maximus</i>
W	1773	<i>Aequipecten</i>	<i>opercularis</i>
W	1925	<i>Pseudamussium</i>	<i>peslutrae</i>
W	1925	<i>Astarte</i>	<i>sulcata</i>
W	1999	<i>Ensis</i>	<i>ensis</i>
W	2027	<i>Macoma</i>	sp.
W	2059	<i>Abra</i>	<i>abra</i>
W	2072	<i>Arctica</i>	<i>islandica</i>
W	2147	<i>Mya</i>	<i>truncata</i>

MCS alpha	MCS num	Genus	Species
W	2258	CEPHALOPODA	sp.
X	1	BRACHIOPODA	sp.
X	8	<i>Novocrania</i>	<i>anomala</i>
Y	1	BRYOZOA	sp.
Y	4	Crisiidae	sp.
Y	76	<i>Alcyonidium</i>	<i>diaphanum</i>
Y	170	<i>Membranipora</i>	<i>membranacea</i>
Y	417	<i>Pentapora</i>	<i>fascialis</i>
ZB	1	CRINOIDEA	sp.
ZB	10	<i>Antedon</i>	<i>bifida</i>
ZB	15	<i>Leptometra</i>	<i>celtia</i>
ZB	18	ASTEROIDEA	sp.
ZB	22	<i>Luidia</i>	<i>ciliaris</i>
ZB	26	<i>Astropecten</i>	<i>irregularis</i>
ZB	54	<i>Porania</i>	<i>pulvillus</i>
ZB	58	<i>Asterina</i>	sp.
ZB	72	<i>Solaster</i>	<i>endeca</i>
ZB	74	<i>Crossaster</i>	<i>papposus</i>
ZB	82	<i>Henricia</i>	<i>oculata</i>
ZB	98	<i>Stichastrella</i>	<i>rosea</i>
ZB	100	<i>Asterias</i>	<i>rubens</i>
ZB	104	<i>Marthasterias</i>	<i>glacialis</i>
ZB	105	OPHIURIDAE	sp.
ZB	124	<i>Ophiothrix</i>	<i>fragilis</i>
ZB	128	<i>Ophiocomina</i>	<i>nigra</i>
ZB	146	<i>Ophiopholis</i>	<i>aculeata</i>
ZB	149	<i>Amphiura</i>	sp.
ZB	166	<i>Ophiura</i>	sp.
ZB	168	<i>Ophiura</i>	<i>albida</i>
ZB	170	<i>Ophiura</i>	<i>ophiura</i>
ZB	181	ECHINOIDEA	sp.
ZB	193	<i>Psammechinus</i>	<i>miliaris</i>
ZB	198	<i>Echinus</i>	<i>esculentus</i>
ZB	229	HOLOTHUROIDEA	sp.
ZB	260	<i>Neopentadactyla</i>	<i>mixta</i>
ZB	279	<i>Leptopentacta</i>	<i>elongata</i>
ZD	1	TUNICATA	sp.
ZD	2	ASCIDIACEA	sp.
ZD	7	<i>Clavelina</i>	<i>lepadiformis</i>
ZD	10	<i>Pycnoclavella</i>	sp.
ZD	71	<i>Ciona</i>	<i>intestinalis</i>
ZD	81	<i>Corella</i>	<i>parallelogramma</i>
ZD	83	<i>Ascidella</i>	sp.
ZD	84	<i>Ascidella</i>	<i>aspersa</i>
ZD	85	<i>Ascidella</i>	<i>scabra</i>
ZD	87	<i>Ascidia</i>	sp.
ZD	88	<i>Ascidia</i>	<i>conchilega</i>
ZD	89	<i>Ascidia</i>	<i>mentula</i>
ZD	92	<i>Ascidia</i>	<i>virginea</i>
ZD	120	<i>Dendrodoa</i>	<i>grossularia</i>
ZD	140	<i>Pyura</i>	<i>squamulosa</i>

MCS alpha	MCS num	Genus	Species
ZD	146	<i>Molgula</i>	sp.
ZF	28	<i>Scyliorhinus</i>	<i>canicula</i>
ZG	7	TELEOSTEI	sp.
ZG	244	<i>Syngnathus</i>	sp.
ZG	386	LABRIDAE	sp.
ZG	406	BLENNIIDAE	sp.
ZG	440	<i>Pholis</i>	<i>gunnellus</i>
ZG	452	<i>Callionymus</i>	<i>lyra</i>
ZG	455	GOBIIDAE	sp.
ZG	492	<i>Lumpenus</i>	<i>lampraeformis</i>
ZG	545	PLEURONECTIFORMES	sp.
MCS alpha	MCS num	Genus	Species
ZG	564	PLEURONECTIDAE	sp.
ZG	572	<i>Limanda</i>	<i>limanda</i>
ZG	578	<i>Pleuronectes</i>	<i>platessa</i>
Other features observed			
Man-made structures			
Mermaid's purse			
Crustacea burrows			
Annelida faecal casts			
Annelida faecal mounds			
Vertical burrows			
Horizontal burrows			
Nudibranch egg mass			

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