Uig Harbour Redevelopment

Sediment Disposal Site Seabed Survey Report

The Highland Council

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1. Introduction

1.1 Background

Uig Harbour is located in Uig Bay in the north east of the Isle of Skye. It forms part of the 'Skye Triangle' (along with Tarbert and Lochmaddy), providing lifeline ferry services for communities in the Western Isles. The Pier at Uig Harbour, the King Edward Pier, serves the CalMac ferry route to the isles of Harris and North Uist. The Pier is under the control of Highland Harbours which is run by The Highland Council (THC). The ferry service operations are controlled by CalMac Ferries Ltd (CFL).

Increasing demand and aging tonnage has led the ferry operator to commission new, larger ferry vessels for a number of its routes. The 'Skye Triangle' has been identified by the operator as a priority and the procurement of a new vessel for this route has commenced.

THC is required to undertake redevelopment works (hereafter referred to as the 'Proposed Development') to Uig Harbour to accommodate the new vessel which has been commissioned and is currently programmed to arrive at the harbour in October 2018.

1.2 Project Description

The Proposed Development consists of redevelopment works to Uig Harbour to accommodate a larger ferry vessel. The vessel is expected to be approximately 3 m longer and 1.2 m wider than the current ferry.

The Proposed Development includes capital dredging of almost 28,000 m^3. This comprises the dredging of two areas of seabed: the deepening and widening of the current berth to accommodate the larger new vessel and dredging to provide a new fisherman' berth to compensate for the loss of berthing space from the widening of the approachway.

Given the high concentrations of heavy metals in the sediment at Uig[1], the dredging requirements (capital and future maintenance dredging) and construction programme restrictions, the Best Practicable Environmental Option (BPEO) identified for dredge disposal consists of opening a new sea disposal site in the Uig Bay area.

The proposed location for the new sea disposal site would be within a search area as shown in Figure **1.1** which is approximately **2** km from Uig Harbour, at the coordinates set out in **Table 1.1** below.

Table 1-1: Coordinates for proposed sea disposal site search area

Coordinate location	Latitude	Longitude
North east corner	57.579999	-6.408678
North west corner	57.580112	-6.404504
South east corner	57.575628	-6.404085
South west corner	57.575516	-6.4-8258

1.3 Survey Aims

The aim of the survey was to determine the nature of the seabed and habitat types in the proposed disposal site search area to support the disposal site licence application and to inform the impact assessment. The survey design included grab sampling and a drop down video (DDV) of the seabed in order to characterise epifaunal and

[1] Ground investigations carried out for the Proposed Development in 2017/2018, sediment sampling undertaken at the proposed disposal site search area and previous sediment sampling conducted by the Harbours Manager across Uig Bay in December 2016 all indicated high concentrations of heavy metals in the sediment across Uig Bay. It was noted in discussions with Marine Scotland that these were believed to be naturally occurring concentrations.

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infaunal benthic habitats, and in particular to establish the presence of any priority marine features in the proposed site. The sampling locations are shown in **Figure 1.1** below.

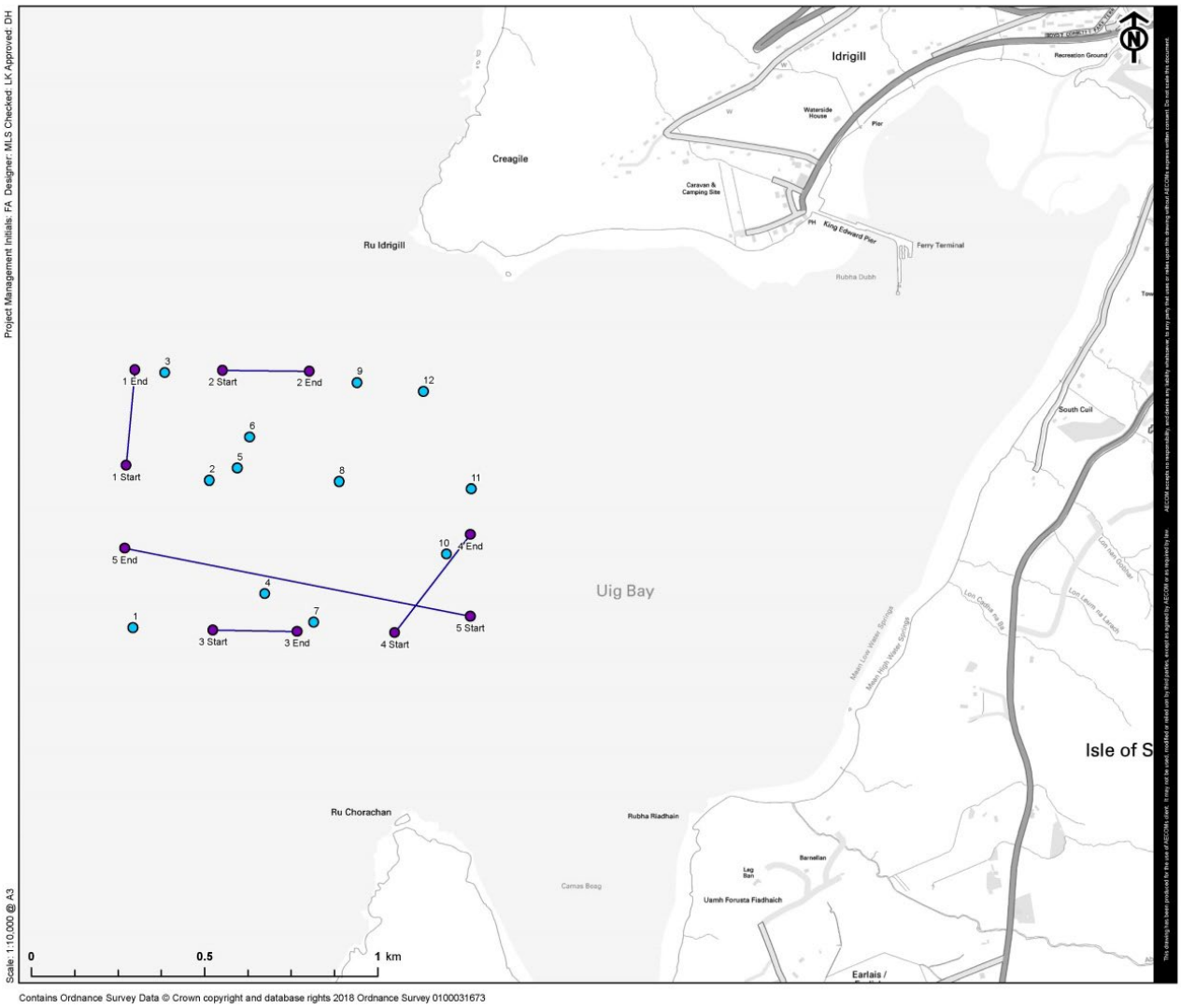

Figure 1-1 Uig Bay proposed sediment disposal site search area survey stations (DDV and grab sampling)

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2. Survey Methodology

2.1 Grab Sampling

The grab survey involved the collection of 12 surface sediment samples within the disposal site search area (**Figure 1-1**). The location of these samples along with coordinates is provided in **Appendix A**. The sample locations were based on a 3 x 4 grid (250 m x 250 m boxes), with a randomly selected sampling location within each box[2].

Where a suitable sample could not be collected after three attempts, the sample location was moved to a distance of up to 50 m away from the target location, but remained within the corresponding grid box.

Samples were collected with a 0.1 m^2 Day grab sampler; with two samples collected per station to allow for the measurement of physical and chemical (PC), and biological variables.

The samples were analysed for the following variables:

(i) **Chemical** – the variables shown in **Table 2-1** below were analysed by an RPS laboratory that is ISO17025 accredited for marine sediment analysis and takes part in inter-comparison exercises such as QUASIMEME[3]. The laboratory also meets the limit of detection (LOD) and sensitivity requirements set out in the Clean Seas Environment. Monitoring Programme (CSEMP) Green Book[4].

(ii) **Physical** – particle size analysis (PSA), including measurement of fine particles (<63 µm fraction) by laser methodology, was determined from a ~200 ml subsample. Total Organic Carbon (TOC) was also measured.

(iii) **Biological** – after removal of a small subsample for the analysis of PSA, the remaining sediment was sieved over a 1 mm mesh and retained fauna preserved in 4% buffered formalin solution for later analysis.

In the laboratory, fauna were counted and identified to species level (where possible) for all mobile fauna. All sessile fauna (such as barnacles, hydroids, bryozoans and ascidians) were identified and recorded as present.

The faunal analysis was undertaken by Ocean Ecology Ltd., a NMBAQC participating laboratory.

All data was presented in an excel spreadsheet using standard taxonomic identifiers (e.g. AphiaID), a copy of which has been included in **Appendix C**.

Table 2-1: Chemical contaminants analysed in proposed disposal site search area sediments

Heavy Metals	Polychlorinated Biphenyls (PCBs)	Polycyclic Aromatic Hydrocarbons (PAHs)
Arsenic Cadmium Chromium Copper Lead Mercury Nickel Zinc	ICES 7 PCBs – PCB BZ#28 – PCB BZ#52 – PCB BZ#101 – PCB BZ#118 – PCB BZ#153 – PCB BZ#138 – PCB BZ#180 – Sum of ICES 7 PCBs	USEPA16 – Acenaphthene – Acenaphthylene – Anthracene – Benzo[a]anthracene – Benzo[a]pyrene – Benzo[b]fluoranthene – Benzo[g,h,i]perylene – Benzo[k]fluoranthene – Dibenzo[a,h]anthracene
Others	Sum of 25 PCB congeners	

[2] Coordinates were determined using a random number generator for the east-west (0–250 m) and north-south (0–250 m) position within each box.
[3] Quality Assurance of Information for Marine Environmental Monitoring In Europe. See: http://www.quasimeme.org/
[4] Available from: https://www.cefas.co.uk/publications/greenbook/greenbookv15.pdf

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Tributyltin (TBT) Total hydrocarbons (THC) Total organic carbon (TOC) Booster biocide Brominated flame retardants		– Chrysene – Fluoranthene – Fluorene – Indeno[1,2,3cd]pyrene – Naphthalene – Phenanthrene – Pyrene

2.2 ROV Survey

Video footage and stills were collected from five transects in the disposal search site (see **Appendix A**) in order to characterise the species and habitat types present.

Whilst the equipment did not enable a time stamp on the resultant still images, the protocol indicated that still images were taken at regular intervals (e.g. every 60 seconds) to provide a series of 'quadrats' along the transect. Additional stills were also taken on an ad-hoc basis to capture features of special interest, particularly sea pens and evidence of burrowing megafauna.

Video and still images were analysed by an experienced marine ecologist in order to record the species and assign the biotope (UK Marine Habitat Classification/EUNIS) present. Particular attention was given to the identification of any habitats considered to be Priority Marine Features (PMF), in particular, the PMF habitat 'seapens and burrowing megafauna in mud', as this has previously been observed within the Bay.

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3. Results

3.1 Grab Sampling

The twelve grab samples were analysed for a range of parameters (as outlined above in **Section 2** above) to investigate the physical, chemical and biological characteristics of the sediment at the proposed dredge disposal site search area.

3.1.1 Physical sediment characteristics

Particle size analysis (PSA) described according to Wentworth sediment class[5] are presented below in **Figure 3-1**. With the exception of GS9 (41.7% sand) and GS12 (38.0% sand), all samples indicated more than 80% of the sediment was silt/clay. None of the samples included gravel fractions (>2 mm). The difference in the physical nature of the sediments in GS9 and GS12 were also evident in a lower percentage of total organic carbon (1.0 and 1.6% respectively, compared to around 2.0% across all other stations), as would be predicted from the greater average particle size.

The full data set showing PSA size classes and summary characteristics for each of the samples is provided in **Appendix C**.

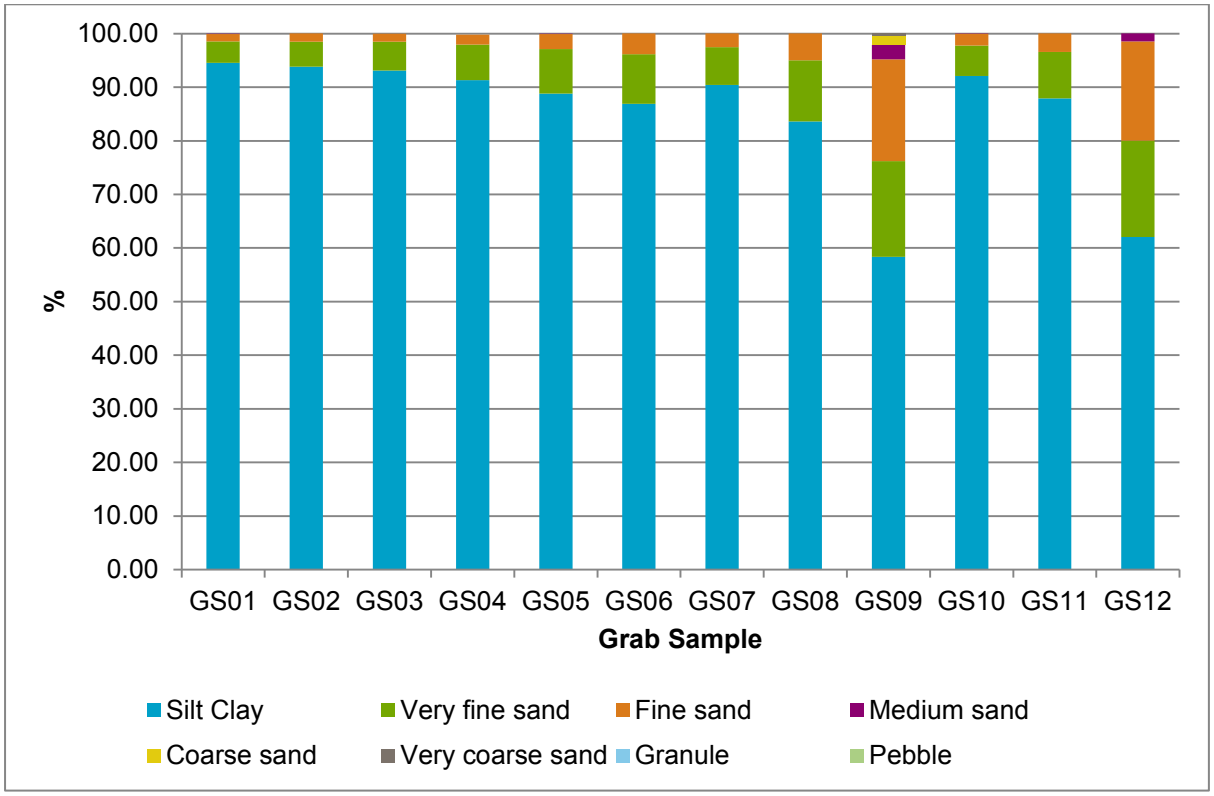

Figure 3-1: Particle size distribution of sediments at 12 grab stations in the proposed sediment disposal site search area in Uig Bay

[5] For a description of the Wenworth classification of sediments see: https://en.wikipedia.org/wiki/Grain_size

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3.1.2 Chemical analysis of sediments

The concentration of measured chemicals is shown in **Table 3-2** below, together with the Action level provided in the Marine Scotland sediment disposal guidance for the chemical composition of sediments intended for disposal in the marine environment[6]. For most contaminants the standards set two Action Levels (AL1 & AL2) against which the chemical composition of sediments is compared. The guidelines for disposal identify the application of the action levels as follows:

- If contamination is < AL1, sea disposal likely to be acceptable although it may require monitoring conditions if dredge is large in scale or in a sensitive area
- If contamination is > AL2 sea disposal is unlikely to be acceptable
- If contamination is between AL1 and AL2 restrictions (such as restricting certain areas of dredge spoil, monitoring or application of mitigation measures) may be required.

However, in the case of hydrocarbons only AL1 is available and concentrations are therefore compared to this only and where the threshold is exceeded restrictions may be required.

The results of the chemical analysis are shown in **Table 3-2** below and have been colour coded (**Table 3-1**) according to their compliance with the Cefas action levels.

Table 3-1: Key for Action Level Benchmark Limits

Action Level (AL)	Colour coding in Table 3-2
<AL1	
>AL1, <AL2	
>AL1 & AL2 or >AL1 where there is no AL2	
No threshold value available	

The heavy metals chromium and nickel were found to exceed AL2 at two stations, stations 9 and 12, in the north east sector of the proposed disposal site search area. At all other stations these two heavy metals were higher than AL1 (**Table 3-2**). In addition, copper slightly exceeded AL1 but only at station 10.

The only other chemical variable determined that exceeded limits was the PAH Dibenzo(a,h)anthracene, which was observed at concentrations greater than AL1 at stations 1, 3 and 12 (see **Figure 1-1** for station locations).

Total organic carbon (%) was around 2.0% at all stations with the exception of stations 9 and 12 where it was 1.0 and 1.6% respectively (**Table 3-2**).

[6] Marine Scotland, Pre-disposal Sampling Guidance Version 1 – January 2017. Available from: http://www.gov.scot/Topics/marine/Licensing/marine/Applications/predredge

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Table 3-2: Sediment chemistry analytical results with benchmark values

	Determinand	AL1	AL2	Units	GS01	GS02	GS03	GS04	GS05	GS06	GS07	GS08	GS09	GS10	GS11	GS12
	Total organic carbon	-	-	%	2.0	2.0	2.1	2.2	1.9	2.0	2.1	2.0	1.0	2.3	2.1	1.6
Heavy Metals	Arsenic	20	70	mg/kg DW	8.66	8.10	8.11	7.89	8.08	8.98	9.16	7.92	9.72	10.6	8.69	8.79
	Cadmium	0.4	4	mg/kg DW	0.12	0.13	0.11	0.11	0.11	0.12	0.14	0.13	0.12	0.14	0.10	0.10
	Chromium	50	370	mg/kg DW	117	145	145	139	203	175	172	231	528	287	282	415
	Copper	30	300	mg/kg DW	21.0	22.7	21.3	22.2	22.2	22.5	22.0	24.1	25.7	32.4	26.7	26.8
	Lead	50	400	mg/kg DW	32.9	31.1	29.2	29.1	26.9	28.0	28.3	25.4	19.7	31.5	22.1	20.9
	Mercury	0.25	1.5	mg/kg DW	0.08	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.04	0.06	0.05	0.05
	Nickel	30	150	mg/kg DW	52.9	60.7	59.7	59.5	73.3	68.2	68.6	91.0	189	106	105	158
	Zinc	130	600	mg/kg DW	109	108	104	107	99.7	104	105	100	94.8	124	93.0	92.8
Polycyclic Aromatic Hydrocarbons	Naphthalene	100		ug/kg DW	17.8	10.2	24.9	6.47	14.6	10.0	15.6	12.8	7.85	12.1	9.44	12.9
	Acenaphthylene	100		ug/kg DW	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
	Acenaphthene	100		ug/kg DW	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
	Fluorene	100		ug/kg DW	7.85	< 1.7	9.93	< 1.7	5.65	< 1.7	5.89	4.47	< 1.7	4.50	< 1.7	5.48
	Phenanthrene	100		ug/kg DW	23.3	9.73	34.2	6.47	15.8	9.78	19.5	13.8	9.34	12.1	9.66	19.8
	Anthracene	100		ug/kg DW	4.39	< 2.5	5.08	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	5.28
	Fluoranthene	100		ug/kg DW	21.2	7.47	33.0	9.35	14.1	8.41	18.8	13.0	8.04	10.8	8.12	27.6
	Pyrene	100		ug/kg DW	14.3	5.21	24.2	5.99	10.4	6.14	14.3	10.2	6.91	9.89	7.69	25.6
	Benzo(a)anthracene	100		ug/kg DW	11.8	< 1.6	18.2	< 1.6	6.83	3.87	9.06	6.17	4.67	6.30	< 1.6	16.6
	Chrysene	100		ug/kg DW	7.97	< 1.7	12.0	< 1.7	4.71	< 1.7	6.34	4.47	3.36	4.05	< 1.7	11.0
	Benzo(a)pyrene	100		ug/kg DW	35.6	10.4	66.5	5.51	22.4	8.64	24.9	22.3	16.8	22.3	7.90	41.9
	Dibenzo(a,h)anthracene	10		ug/kg DW	12.7	< 1.6	22.4	< 1.6	7.30	< 1.6	< 1.6	6.60	5.61	6.52	3.73	13.9

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	Determinand	AL1	AL2	Units	GS01	GS02	GS03	GS04	GS05	GS06	GS07	GS08	GS09	GS10	GS11	GS12
Polychlorinated Biphenyls	2,4,4'-trichlorobiphenyl (PCB congener 28)			ug/kg DW	0.76	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	2,2',5,5'-tetrachlorobiphenyl (PCB congener 52)			ug/kg DW	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	2,2',4,5,5'-pentachlorobiphenyl (PCB congener 101)			ug/kg DW	0.62	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	2,3',4,4',5-pentachlorobiphenyl (PCB congener 118)			ug/kg DW	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	2,2',3,4,4',5-hexachlorobiphenyl (PCB 138)			ug/kg DW	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	2,2',4,4',5,5'-hexachlorobiphenyl (PCB 153)			ug/kg DW	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	2,2',3,4,4',5,5'-heptachlorobiphenyl (PCB 180)			ug/kg DW	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	Total Polychlorinated Biphenyls (PCBS)	20	180	ug/kg DW	1.38	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD
	Tributyltin (TBT)	100	500	ug/kg DW	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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3.1.3 Biological nature of sediments

The full log of grab sampling effort can be found in **Appendix A** and the detailed faunal results table in **Appendix D.**

Table 3-3 presents the mean infauna abundance results from the grab samples collected in February 2018.

A total of 54 taxa (not all organisms could be identified to species) were recorded from the 12 grab samples (**Table 3-3**). Average abundance of infauna was 223.9 individuals per m^2. Samples were dominated, both in terms of species and number of animals, by polychaetes with 28 taxa (52% of species) and an average abundance of 145 polychaetes per square metre (63% of animals) (**Table 3-3**).

Mollusca were also an important component of the benthic community with 14 species and an average abundance of 66.7 individuals per m^2 found in the survey area. Crustaceans, echinoderms and other groups were present but in much lower diversity and abundance (**Table 3-3**).

Table 3-3: Number of species and average abundance of macrofaunal phyla in grab samples

Taxon Group	No. of species	Mean abundance (individuals/m^2)
Polychaeta	28	145
Crustacea	4	4.2
Mollusca	14	66.7
Echinodermata	4	10
Nemertea	1	0.8
Phoronida	1	1.7
Sipuncula	1	0.8
Cnidaria	1	0.1
Total	**54**	**223.9**

The polychaetes were dominated by the catworm, *Nephtys incisa,* which accounted for almost half of all worms present (see **Table 3-4** below). This was also the only infaunal species found in all grab samples.

Bivalves were the most important component of the mollusca diversity, with a total of 8 species. Abundance however, was split between bivalves and gastropods, predominantly the bivalve genera *Abra* and *Nucula* and the gastropod snail *Cylichna cylindracea*. This small snail was the only other species that was found to be widespread, the only species that had an occurrence above 80%.

Only eight species were recorded to have an occurrence of 50% or more; the polychaetes *Abyssoninoe Hibernica, Magelona minuta* and *Nephtys incisa;* the bivalves *Abra nitida, Nucula nitidosa* and *Chaetoderma nitidulum,* the gastropod snail *Cylichna cylindracea* and the brittle star *Amphiura chiajei*).

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Table 3-4: Mean abundance per m^2, standard deviation and percentage occurrence of benthic infauna species identified from grab samples

Infauna Group	Phylum	Class	Taxon Name	Mean	+/-SD	% Occurrence
Annelida	Annelida	Polychaeta	*Abyssoninoe hibernica*	10.8	9.0	75%
			Amaeana trilobata	0.8	2.9	8%
			Amphictene auricoma	0.8	2.9	8%
			Ancistrosyllis groenlandica	0.8	2.9	8%
			Aphelochaeta	5.8	7.9	42%
			Apistobranchus tullbergi	0.8	2.9	8%
			Chaetozone zetlandica	0.8	2.9	8%
			Diplocirrus glaucus	0.8	2.9	8%
			Glycera unicornis	5.8	7.9	42%
			Glycinde nordmanni	0.8	2.9	8%
			Glyphohesione klatti	0.8	2.9	8%
			Harmothoe sp.	1.7	3.9	17%
			Kirkegaardia sp.	0.8	2.9	8%
			Levinsenia gracilis	2.5	4.5	25%
			Litocorsa stremma	3.3	7.8	17%
			Magelona minuta	12.5	15.4	58%
			Melinna palmata	0.8	2.9	8%
			Nephtys sp.	5.0	6.7	42%
			Nephtys incisa	70.8	25.4	100%
			Notomastus	5.0	6.7	42%
			Oxydromus flexuosus	2.5	8.7	8%
			Pectinaria belgica*	0.8	2.9	8%
			Prionospio fallax	1.7	3.9	17%
			Prionospio multibranchiata	1.7	3.9	17%
			Rhodine gracilior	0.8	2.9	8%
			Scolelepis korsuni	3.3	6.5	25%
			Spiophanes kroyeri	1.7	3.9	17%
			Polycirrus sp.	0.8	2.9	8%
Crustacea	Arthropoda	Malacostraca	*Eudorella emarginata*	0.8	2.9	8%
			Jassa falcata	0.8	2.9	8%
			Leucon (Leucon) nasica	0.8	2.9	8%
			Maera loveni	1.7	3.9	17%
Mollusca	Mollusca	Bivalvia	*Abra alba*	1.7	5.8	8%
			Abra nitida	8.3	11.9	50%
			Corbula gibba*	2.5	8.7	8%
			Nucula nitidosa	10.8	13.1	58%
			Nucula sulcate*	4.2	14.4	8%
			Parvicardium sp.	0.8	2.9	8%
			Thyasira sp.	0.8	2.9	8%
			Thyasira flexuosa*	1.7	3.9	17%
		Caudofoveata	*Chaetoderma nitidulum*	7.5	9.7	50%
			Falcidens crossotus	0.8	2.9	8%
		Gastropoda	*Cylichna cylindracea*	19.2	16.8	83%
			Hyala vitrea	1.7	3.9	17%
			Sorgenfreispira brachystoma	0.8	2.9	8%
			Turritella communis	5.8	13.8	17%
Echinodermata	Echinodermata	Holothuroidea	*Leptosynapta inhaerens*	0.8	2.9	8%
		Ophiuroidea	*Amphiura chiajei*	5.8	6.7	50%
			Amphiura filiformis	1.7	3.9	17%
			Amphiuridae sp.	1.7	3.9	17%
Miscellaneous	Nemertea	Palaeonemertea	*Tubulanus sp.*	0.8	2.9	8%

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Infauna Group	Phylum	Class	Taxon Name	Mean	+/-SD	% Occurrence
	Phoronida	-	*Phoronis sp.*	1.7	3.9	17%
	Sipuncula	Sipunculidea	*Thysanocardia procera*	0.8	2.9	8%
	Cnidaria	Hydrozoa	*Neoturris sp.*	0.1	0.3	8%

***** *Species listed in the official EUNIS habitat description for A5.361 - Seapens and burrowing megafauna in circalittoral fine mud*

With the exception of stations 1, 9 and 12, polychaetes accounted for the highest proportion of faunal biomass (**Figure 3-2**). For station 1, biomass was dominated by echinoderms (a relatively low number of large bodied individuals) and at stations 9 and 12 molluscs accounted for most of the biomass in the samples.

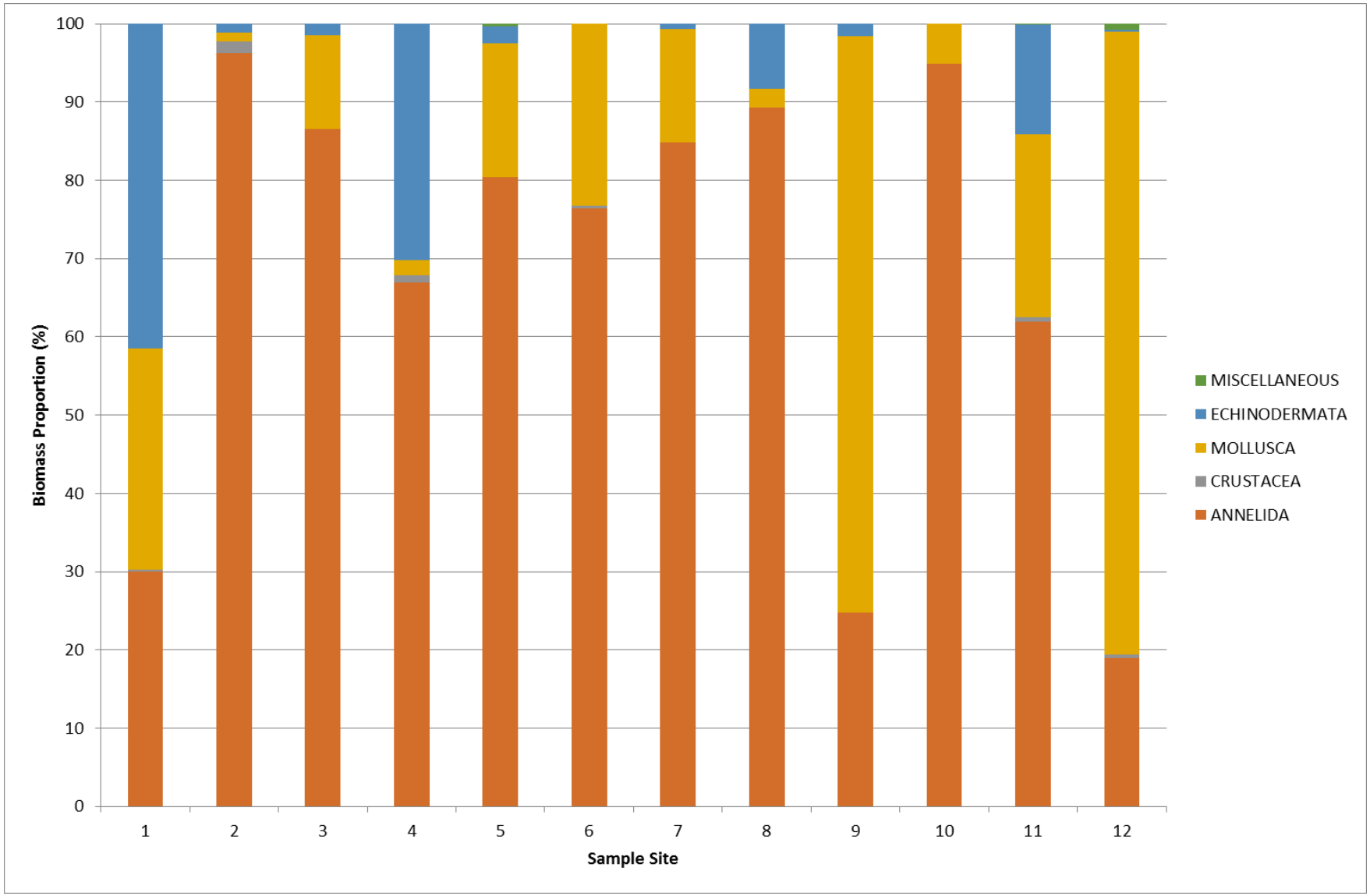


Figure 3-2: Benthic biomass by major faunal group at each of the 12 grab stations in the proposed disposal site search area

3.2 ROV Survey

A log of when the ROV transects were surveyed is presented below in **5**. All transects were surveyed on 20th February 2018. Two attempts to survey Transect 5 were made before a successful video was recorded. Prior attempts were aborted due to a) vessel not in position and b) vessel moving too quickly. The results from those aborted transects have therefore not been included in the main body of this report; however full details can be found in **Appendix C**.

Table 3-5: ROV transect start and end times

Transect No.	Time		Transect duration (mins)
	Start	End	
1	23:26:00	23:42:36	16
2	22:40:26	23:10:02	30
3	21:39:22	22:24:10	45
4	20:41:05	22:24:10	43
5	19:50:26	20:21:12	31

Videos have been reviewed by an experienced AECOM Marine Ecologist. The findings of each successful video transect are summarised in **Table 3-6** to **Table 3-11** below.

Table 3-6: ROV Transect 1 Results Summary

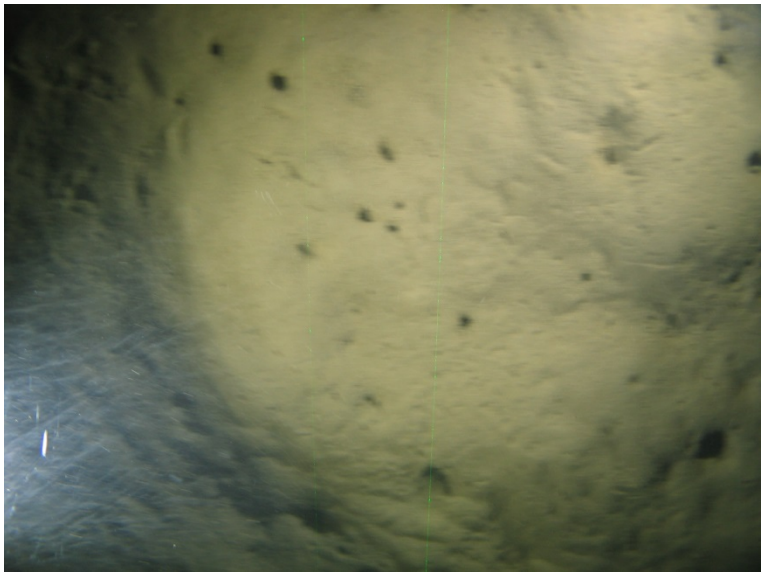
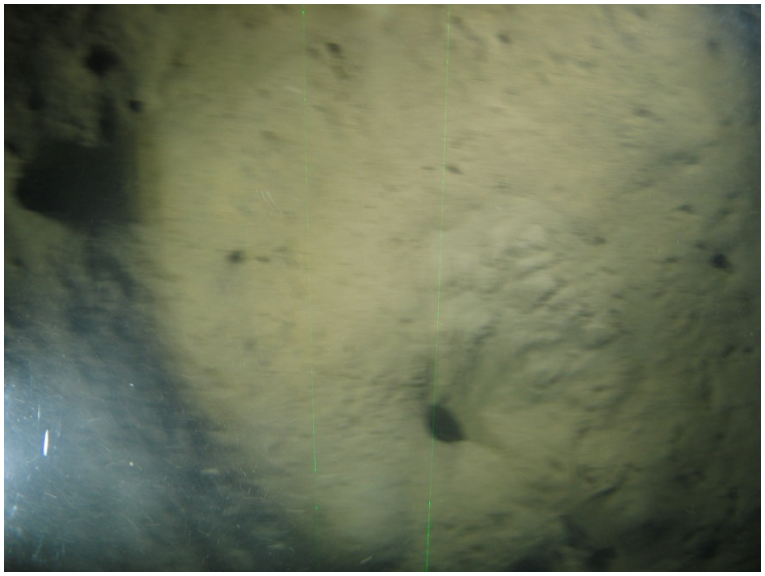
Transect ID: **TR01**	**Survey Date:** 20th February 2018
SOL Easting: 654928.709	**SOL Northing:** 6384517.830
EOL Easting: 655255.16	**EOL Northing:** 6384308.324
No. of still images taken: 31	**Video File name:** Dive 07 18-02-20 23.25.59
Still Image IDs: IMG_1143 – IMG_1173	**Dominant UK Marine Habitat Classification/EUNIS:** **A5.361** - Seapens and burrowing megafauna in circalittoral fine mud
Representative still image of transect features:  **Figure 3-3: Transect 1_IMG_1143**	**Video Limitations:** The ROV appears to move rapidly across the seabed, benthic features are rarely in frame for a sufficient time period in order to clearly identify. The ROV appears to collide with the seabed, suspending soft sediments and obscuring view. **Biological Summary:** Unidentified benthic fish were recorded and burrows present within the seabed sediment were clearly visible intermittently throughout the video transect.

Table 3-7: ROV Transect 2 Results Summary

Transect ID: **TR02**	**Survey Date:** 20th February 2018
SOL Easting: 654925.982	**SOL Northing:** 6384775.709
EOL Easting: 655501.345	**EOL Northing:** 6384320.875
No. of still images taken: 49	**Video File name:** Dive 06 18-02-20 22.40.25
Still Image IDs: IMG_1092 to IMG_1140;	**Dominant UK Marine Habitat Classification/EUNIS:** **A5.361** - Seapens and burrowing megafauna in circalittoral fine mud
Representative still image of transect features:  **Figure 3-4: Transect 2_IMG_1108**	**Video Limitations:** As with other transects, the ROV moves rapidly across the seabed, regularly colliding and suspending soft sediments, which obscures the view. **Biological Summary:** Burrows were frequently observed within the soft sediment, with the occasional *Nephrops norvegicus* spotted within the burrows (**Figure 3-5**). The only other signs of biological presence were the sporadic possible seapen sightings and large patches of bryozoan (*Flustra* spp.), indicating some occasional hard substrata (**Figure 3-6**).

Transect ID: TR02	**Survey Date:** 20th February 2018

Figure 3-5: *Nephrops norvegicus* (langoustine)

Figure 3-6: Bryozoan, *Flustra* spp.

Table 3-8: ROV Transect 3 Results Summary

<table>
<tr><td>Transect ID: TR03</td><td>Survey Date: 20th February 2018</td></tr>
<tr><td>SOL Easting: 654921.688</td><td>SOL Northing: 6385036.982</td></tr>
<tr><td>EOL Easting: 655769.619</td><td>EOL Northing: 6384350.670</td></tr>
<tr><td>No. of still images taken: 81</td><td>Video File name: Dive 05 18-02-20 21.39.20 and Dive 05 18-02-20 22.09.22</td></tr>
<tr><td>Still Image IDs: IMG_1009 to IMG_1089</td><td>Dominant UK Marine Habitat Classification/EUNIS: A5.361 - Seapens and burrowing megafauna in circalittoral fine mud</td></tr>
<tr><td>Representative still image of transect features:
 

Figure 3-7: Kelp debris
 

Figure 3-8: Kelp debris</td><td>Video Limitations: The rapidly moving ROV collides intermittently with the seabed, suspending sediment.

Biological Summary: When the light is sufficient, it is possible to see burrows within the soft sediment on the seabed. Some debris was also recorded along the transect including detached fronds and holdfasts of kelp (Figure 3-7 and Figure 3-8). Some benthic fishes were also seen within the footage, however they flee too quickly to be able to identify. A starfish was recorded in the first video (Dive 05 18-02-20 21.39.20, Figure 3-9).

The second video (Dive 05 18-02-20 22.09.22) despite the same difficulties, confirmed the presence of Nephrops norvegicus along the transect route.</td></tr>
</table>

Transect ID: **TR03**	**Survey Date:** 20th February 2018

Figure 3-9: Starfish - *Asterias rubens*

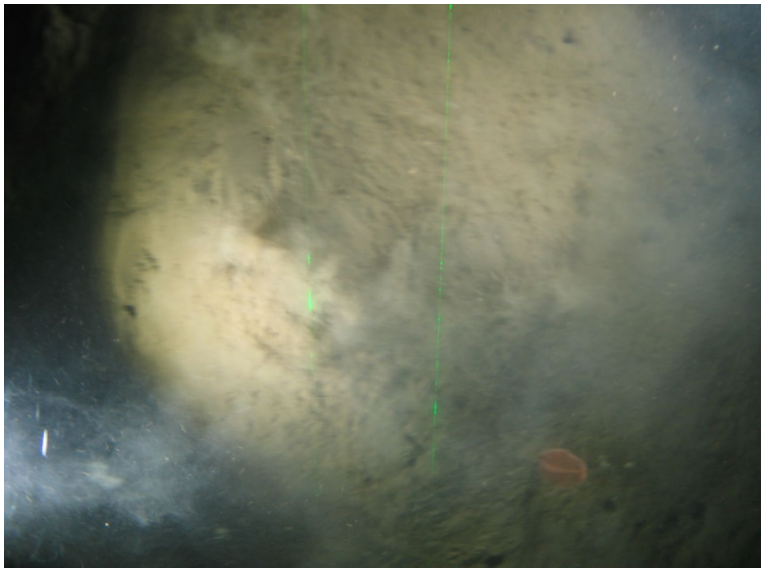


Figure 3-10: Transect 3 IMG_1074 *P. phosphorea*

Table 3-9: ROV Transect 4 Results Summary

<table>
<tr><td>Transect ID: TR04</td><td>Survey Date: 20th February 2018</td></tr>
<tr><td>SOL Easting: 655191.008</td><td>SOL Northing: 6385053.855</td></tr>
<tr><td>EOL Easting: 655991.931</td><td>EOL Northing: 6384414.154</td></tr>
<tr><td>No. of still images taken: 64</td><td>Video File name: Dive 04 18-02-20 20.41.04 and Dive 04 18-02-20 21.11.05</td></tr>
<tr><td>Still Image IDs: IMG_0943 to IMG_1006</td><td>Dominant UK Marine Habitat Classification/EUNIS: A5.361 - Seapens and burrowing megafauna in circalittoral fine mud</td></tr>
<tr><td>Representative still image of transect features:
 

Figure 3-11: Starfish - Marthasterias glacialis
 

Figure 3-12: Seapen - Virgularia mirabilis and Nephrops burrow holes</td><td>Video Limitations: The first video, recorded from dive 04 18-02-20 20.41.04 was the least limited by the speed of the ROV and suspended sediment issues.

The second video (Dive 04 18-02-20 21.11.05) was dark and had little clear content of the seabed.

Biological Summary: The first video (Dive 04 18-02-20 20.41.04) documented the most biological evidence for the transect, capturing footage of starfish (Figure 3-11), seapens (Figure 3-12) and Nephrops norvegicus (Figure 3-13). Dive 04 18-02-20 21.11.05 recorded seapens amongst the burrow holes within the fine soft sediments.</td></tr>
</table>

Transect ID: **TR04**	**Survey Date:** 20th February 2018
 **Figure 3-13: *Nephrops norvegicus* and burrow holes**	

Table 3-10: ROV Transect 5 Results Summary

Transect ID: **TR05(3)**	**Survey Date:** 20th February 2018
SOL Easting: 655419.076	**SOL Northing:** 6385080.308
EOL Easting: 655961.526	**EOL Northing:** 6384656.818
No. of still images taken: 32	**Video File name:** Dive 03 18-02-20 19.50.25
Still Image IDs: IMG_0909 to IMG_0940	**Dominant UK Marine Habitat Classification/EUNIS:** **A5.361** - Seapens and burrowing megafauna in circalittoral fine mud
Representative still image of transect features:	**Video Limitations:** As with all other transects, the ROV collided with the seabed frequently, suspending soft sediments. **Biological Summary:** Some rocks and boulders were seen to be present on the soft sediment seabed. Burrows within the soft sediment were visible when the footage was clear. Species present included *Nephrops*, benthic fishes (which dispersed rapidly with the presence of the ROV) and squat lobster (**Figure 3-14**).

Transect ID: **TR05(3)**	**Survey Date:** 20th February 2018
 **Figure 3-14: Squat lobster - *Galathea Squamifera*** 	

4. Discussion

The dominant sediment type across the dredge disposal search area was found to besilt/clay. A few stations in the north of the area had more sandy sediment but mud was still the dominant particle size. The sediment chemistry analysis indicates that the sediments in the search area had elevated concentrations, compared to the Cefas Action Levels for dredge disposal, of chromium and nickel. At all stations concentrations were above AL 1 and above AL2 at 2 stations. Concentrations of these metals were similarly high at the dredge location. For example, at the proposed disposal site search area chromium was between 100 and 490 mg/kg and nickel between 140 and 260 mg/kg. At the dredge site the concentration of chromium were between 117 and 528 mg/kg and nickel was between 53 and 189 mg/kg. This indicates that sediment contaminants are widespread in Uig Bay.

Sediments dominated by mud (silt/clay) were also widely observed in the ROV video footage with fine mud with many burrow holes across all visible areas of seabed. The dominance of infaunal polychaete worms and bivalve molluscs at the stations sampled is typical of the fauna found in muddy sediments in marine waters.

The dominant fauna, as identified by both the infaunal grab sampling and the epifaunal video survey, were polychaete worms, bivalves and gastropod molluscs with burrowing megafauna such as *Nephrops norvegicus* and the burrowing shrimp *Maera loveni* and two species of seapens.

There are two Priority Marine Features (PMF) biotopes that have been previously identified in Uig Bay:

(i) *Seapens and burrowing megafauna* and

(ii) *Inshore deep mud with burrowing heart urchins.*

The second, much rarer biotope of burrowing fauna, was observed in the regular presence of heart urchins, during the video survey for the Rubha Riadhain fish farm close to the proposed disposal site search area. This biotope and others of the rarer mud biotopes group were highlighted by SNH in the EIA scoping response as habitats requiring particular consideration of the distribution in the Bay.

The two biotopes observed in the search area are very closely related and may show strong similarities in infaunal species composition. However, epifaunally they differ in the abundance of characterising species such as *Pennatula phosphorea* and *Amphiura* spp. SNH describes the two biotopes as follows:

A5.361 - Seapens and burrowing megafauna in circalittoral fine mud (SS.SMu.CFiMu.SpnMeg)

This habitat type is generally formed by fine mud at depths greater than 15 m. Given that the sediments are heavily bioturbated by burrowing megafauna, burrows and mounds form a prominent feature of the sediment surface. The fine sediments are home to a range of burrowing crustaceans, including langoustine *Nephrops norvegicus*, the mud shrimps *Calocaris macandreae*, *Callianassa subterranean*, or *Maera loveni* and the crab *Goneplax rhomboides*. The burrowing action of these species makes burrows and mounds a prominent feature of this habitat. In some areas, burrowed mud may support conspicuous populations of seapens. Typically the species *Virgularia* mirabilis and *Pennatula phosphorea* are present.

The characterising EUNIS Factsheet[7] for the habitat also mentions the following infaunal species recorded in the grab samples - *Pectinaria belgica*, *Corbula gibba*, *Nucula sulcata* and *Thyasira flexuosa* - as being present in this biotope. The characterising species, as shown on the JNCC biotope pages[8] are shown in **Table 4-1** below.

Table 4-1: Characterising species of biotope Seapens and burrowing megafauna in circalittoral fine mud

Taxa	Frequency	Typical Abundance*	% Contribution to similarity	Observed in disposal site search area?	Sampling method
Amphiura chiajei	2	C	2	Y	Grab
Virgularia mirabilis	4	F	20	Y	Video
Pennatula phosphorea	3	F	6	Y	Video

[7] https://eunis.eea.europa.eu/habitats/597 Factsheet for Seapens and burrowing megafauna in circalittoral fine mud.
[8] See: http://www.jncc.gov.uk/marine/biotopes/biotope.aspx?biotope=JNCCMNCR00001218

Nephrops norvegicus	4	F	18	Y	Video
Turritella communis	2	F	3	Y	Grab
Asterias rubens	4	O	8	Y	Video
Pagurus bernhardus	3	O	5	N	-
Liocarcinus depurator	3	O	8	N	-
Cerianthus lloydii	4	O	13	N	-
Chaetopterus variopedatus	2	O	2	N	-

* Abundance based on the SACFOR scale – Superabundant, Abundant, Common, Frequent, Occasional & Rare. Source: jncc.defra.gov.uk/MarineHabitatClassification

A5.363 - Brissopsis lyrifera and Amphiura chiajei in circalittoral mud (SS.SMu.CFiMu.BlyrAchi)

The silty muddy basins of sea lochs and other deep, stable waters can provide suitable conditions for this biotope, which is dominated by the heart urchin *Brissopsis lyrifera*, and the brittlestar *Amphiura chiajei*. Several species of burrowing bivalves, polychaete worms and sometimes *Nephrops* and low numbers of sea pens may also occur.

Table 4-2: Characterising species of the biotope Brissopsis lyrifera and Amphiura chiajei in circalittoral mud

Taxa	Frequency	Typical Abundance*	% Contribution to similarity	Observed in disposal site search area?	Sampling method
Amphiura chiajei	5	A	56	Y-G	Grab
Amphiura filiformis	5	A	27	Y-G	Grab
Virgularia mirabilis	3	O	3	Y-V	Video
Ophiura	3	O	3	N	-
Pectinaria belgica	3	P	2	Y	Grab
Nephtys hystricis	2	P	1	N	-
Brissopsis lyrifera	2	P	2	N	-

The habitat in the proposed disposal search area is considered to be the '***Seapens and burrowing megafauna in circalittoral fine mud'*** biotope for the following reasons: there were very regular sightings of the two species of seapen, highly abundant burrows and mounds on the seabed and the positive identification of several individuals of *Nephrops norvegicus* as well as several infaunal species though many of these are common to both biotopes.

5. Survey Limitations

The Uig Bay sediment disposal site search area ROV survey encountered some difficulties in obtaining good quality video and stills images of the seabed. This was largely due to the silty nature of the sediment, which was easily disturbed when the camera neared the seabed making it difficult to get the camera close without increased suspended sediments. Also, the slowest speed the vessel was able to move along the transect (around 1 knot) did not allow the camera to focus completely when a still was taken (a speed of 0.5 knots is desirable when undertaking a camera survey) so many of the stills images are also of low quality.

However, the nature of the habitat - predominantly mud with burrow holes and mounds and the presence of large megafauna – was easily observed even with low quality images. Thus, the ROV survey outputs are considered sufficient, particularly in conjunction with the grab survey results, to determine the benthic habitats present in the survey area.

6. Conclusions

The ROV video footage and the particle size analysis of the grab samples shows the sediments across the proposed disposal site search area comprise fine particulate material. The seabed was also characterised by very abundant burrow openings and mounds. Silt and clay fractions dominate the sediments at all stations though at stations 9 and 12, in the north east area of the survey site, a higher proportion of sand and low proportion of silt/clay was present. The difference in the physical nature of the sediments at stations 9 and 12 were also evident in a lower percentage of total organic carbon (TOC) (1.0 and 1.6% compared to ~2.0% across all other stations), as would be predicted from the greater average particle size.

Chromium and nickel were elevated, as indicated by concentrations above the Cefas Action Level (CAL) 1, at all stations sampled. At two stations, 9 & 12, the concentration of these contaminants was much higher, above Cefas Action Level 2. The only other contaminant at concentrations above standards, was the PAH Dibenzo(a,h)anthracene which was found at levels above CAL 1 in three of the twelve samples (stations 1, 3 and 12).

Infaunal communities across the site were dominated by polychaete worms and molluscs (bivalves and snails). There were small variations between stations thought to reflect differences in sediment size and concentration of contaminants at different stations. In particular, the infaunal communities at stations 1, 9 and 12 that had a lower proportion of very fine sediments and/or higher levels of contamination were not dominated by polychaete worms as at the other stations. At stations 9 and 12 there was a much higher contribution from molluscs and at station 1 there were more molluscs and echinoderms.

Video data identified the regular presence of *Nephrops norvigicus* and the seapens *Virgularia mirabilis* and *Pennatula phosphorea*. On the basis of the sediment type, infauna and epifauna observed the habitat across the survey area was characterised as being the ‘Seapens and burrowing megafauna in circalittoral fine mud’ biotope. This biotope is a priority marine feature in Scottish waters though it is recognised as having a common and widespread distribution.

Appendix A – Sample location data

Grab sample location coordinates

Sample	Latitude (WGS84)	Longitude (WGS84)
1	57.574442	-6.407723
2	57.578377	-6.404510
3	57.581078	-6.406988
4	57.575537	-6.401483
5	57.578735	-6.403204
6	57.579549	-6.402695
7	57.574883	-6.399046
8	57.578554	-6.398251
9	57.581149	-6.397706
10	57.576866	-6.392856
11	57.578591	-6.391878
12	57.581029	-6.394482

ROV transect start and end coordinates (WGS84)

Transect No.	Start		End	
	Latitude	Longitude	Latitude	Longitude
1	57.578620	-6.4085675	57.58111	-6.40843
2	57.581236	-6.4042131	57.58136	-6.40004
3	57.574512	-6.4038680	57.57462	-6.39981
4	57.574746	-6.3951075	57.57742	-6.39178
5	57.575302	-6.3915252	57.57648	-6.40837

Appendix B – Grab log

Grab Station	Sample	Method	Fix	Date	Time (UTC)	Target Easting	Target Northing	Sampled Easting	Sampled Northing	Distance from Target (m)	Sample Volume (L)	Sediment Description
01	Faunal	Day Grab	69	21/02/2018	17:34	655018.565	6384293.927	655018.687	6384312.653	18.7	10	Mud
01	PC	Day Grab	72	21/02/2018	18:16	655018.565	6384293.927	655009.172	6384301.591	12.1	10	Mud
02	Faunal	Day Grab	73	21/02/2018	18:28	655193.892	6384739.147	655186.282	6384764.375	26.4	10	Mud
02	PC	Day Grab	74	21/02/2018	18:38	655193.892	6384739.147	655195.947	6384752.710	13.7	10	Mud
03	Faunal	Day Grab	75	21/02/2018	18:52	655034.276	6385034.041	655031.716	6385047.762	14.0	10	Mud
03	PC	Day Grab	76	21/02/2018	19:05	655034.276	6385034.041	655015.868	6385017.625	24.7	10	Mud
06	Faunal	Day Grab	87	27/02/2018	18:18	655297.392	6384873.717	655292.611	6384878.214	6.6	10	Mud
06	PC	Day Grab	88	27/02/2018	18:30	655297.392	6384873.717	655300.744	6384879.974	7.1	10	Mud
05	Faunal	Day Grab	89	27/02/2018	18:46	655270.435	6384781.972	655266.246	6384780.363	4.5	10	Mud
05	PC	Day Grab	90	27/02/2018	18:59	655270.435	6384781.972	655269.415	6384785.165	3.4	10	Mud
04	Faunal	Day Grab	91	27/02/2018	19:11	655386.942	6384430.048	655363.192	6384434.265	24.1	10	Mud
04	PC	Day Grab	92	27/02/2018	19:21	655386.942	6384430.048	655358.947	6384430.982	28.0	10	Mud
07	Faunal	Day Grab	93	27/02/2018	19:34	655535.418	6384362.857	655519.563	6384368.824	16.9	10	Mud
07	PC	Day Grab	94	27/02/2018	19:45	655535.418	6384362.857	655511.945	6384366.080	23.7	10	Mud
08	Faunal	Day Grab	95	27/02/2018	20:01	655567.276	6384773.177	655562.584	6384776.897	6.0	10	Mud
08	PC	Day Grab	96	27/02/2018	20:12	655567.276	6384773.177	655563.587	6384777.270	5.5	10	Mud
09	Faunal	Day Grab	97	27/02/2018	20:23	655588.775	6385063.190	655583.554	6385065.107	5.6	10	Mud
09	PC	Day Grab	98	27/02/2018	20:31	655588.775	6385063.190	655584.169	6385066.245	5.5	10	Mud
12	Faunal	Day Grab	99	27/02/2018	20:42	655781.992	6385057.235	655778.060	6385059.870	4.7	10	Mud
12	PC	Day Grab	100	27/02/2018	20:57	655781.992	6385057.235	655777.129	6385060.725	6.0	10	Mud
11	Faunal	Day Grab	101	27/02/2018	21:17	655948.069	6384791.924	655961.830	6384792.119	13.8	10	Mud
11	PC	Day Grab	102	27/02/2018	21:20	655948.069	6384791.924	655943.428	6384792.749	4.7	10	Mud
10	Faunal	Day Grab	103	27/02/2018	21:32	655896.987	6384597.724	655892.174	6384598.320	4.8	10	Mud
10	PC	Day Grab	104	27/02/2018	21:40	655896.987	6384597.724	655887.601	6384595.804	9.6	10	Mud

Appendix C – Particle Size Analysis Data

Sediment	mm	phi Φ	Units	GS01	GS02	GS03	GS04	GS05	GS06	GS07	GS08	GS09	GS10	GS11	GS12
Very coarse gravel	>32<64	<-5>-6	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coarse gravel	>16<32	<-4>-5	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Medium gravel	>8<16	<-3>-4	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine gravel	>4<8	<-2>-3	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Very fine gravel	>2<4	<-1>-2	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Very coarse sand	>1<2	<0>-1	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00
Coarse sand	>0.5<1	<1>0	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00
Medium sand	>0.25<0.5	<2>1	%	0.03	0.01	0.00	0.00	0.01	0.01	0.01	0.06	2.67	0.01	0.02	1.50
Fine sand	>0.125<0.25	<3>2	%	1.42	1.63	1.49	1.91	2.85	3.91	2.69	5.02	19.00	2.18	3.52	18.50
Very fine sand	>0.0625<0.125	<4>3	%	3.96	4.68	5.37	6.62	8.29	9.23	7.08	11.40	17.90	5.70	8.70	18.00
Very coarse silt	>0.03125<0.0625	<5>4	%	9.06	10.90	13.30	14.20	15.10	14.60	13.30	15.70	11.70	13.20	15.20	13.60
Coarse silt	>0.015625<0.03125	<6>5	%	14.10	16.20	17.40	16.90	16.10	15.00	14.90	15.60	10.70	16.20	15.70	10.70
Medium silt	>0.007813<0.015625	<7>6	%	21.90	20.60	21.10	20.80	19.90	19.10	20.50	18.20	12.80	20.30	18.40	11.80
Fine silt	>0.003906<0.007813	<8>7	%	21.50	19.70	18.40	17.50	16.80	17.00	18.40	15.00	10.40	18.30	16.20	10.60
Very fine silt	>0.001953<0.003906	<9>8	%	13.30	12.30	10.90	10.30	9.91	10.20	11.10	8.80	5.92	11.40	10.30	6.86
Clay	<0.001953	>9	%	14.70	14.10	12.00	11.60	11.00	11.00	12.20	10.30	6.81	12.70	12.10	8.47

Statistics*	Mean (phi)		7.00	6.85	6.63	6.52	6.39	6.35	6.56	6.13	5.00	6.65	6.40	5.21
	Sorting		1.93	1.98	1.95	2.00	2.06	2.12	2.07	2.18	2.39	2.01	2.14	2.43
	Skewness		0.034	0.049	0.070	0.065	0.052	0.018	0.015	0.066	0.230	0.048	0.054	0.243
	Kurtosis		1.10	1.04	1.03	1.04	1.00	0.974	1.03	0.984	0.811	1.02	0.968	0.810
	% Silt/Clay	%	94.56	93.80	93.10	91.30	88.81	86.90	90.40	83.60	58.33	92.10	87.90	62.03
	Textural Group**		Mud	Mud	Mud	Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud	Mud	Sandy Mud	Sandy Mud

* Folk & Ward

** GRADISTAT classification system (Blott, S. J. & Pye, K., 2001)

Appendix D – Sediment macrofauna

Taxonomic Group	Species name	GS01	GS02	GS03	GS04	GS05	GS06	GS07	GS08	GS09	GS10	GS11	GS12	Average abundance (individuals/m^2)	SD	% Occurrence
Polychaeta	*Nephtys incisa*	50	40	30	60	80	100	90	100	90	90	80	40	70.8	25.4	100%
	Magelona minuta	10	0	0	0	30	0	20	20	50	0	10	10	12.5	15.4	58%
	Abyssoninoe hibernica	30	20	10	0	20	0	10	10	10	0	10	10	10.8	9.0	75%
	Aphelochaeta	10	0	0	10	0	0	10	20	0	0	0	20	5.8	7.9	42%
	Glycera unicornis	10	0	0	0	10	0	10	20	20	0	0	0	5.8	7.9	42%
	Nephtys sp.	10	10	10	0	20	0	0	0	0	10	0	0	5.0	6.7	42%
	Notomastus sp.	10	0	0	20	10	0	0	0	0	0	10	10	5.0	6.7	42%
	Litocorsa stremma	0	20	0	0	0	0	20	0	0	0	0	0	3.3	7.8	17%
	Scolelepis korsuni	0	0	0	0	10	0	20	0	0	10	0	0	3.3	6.5	25%
	Levinsenia gracilis	10	0	10	0	10	0	0	0	0	0	0	0	2.5	4.5	25%
	Oxydromus flexuosus	0	0	0	0	0	0	30	0	0	0	0	0	2.5	8.7	8%
	Harmothoe sp.	10	0	0	0	10	0	0	0	0	0	0	0	1.7	3.9	17%
	Prionospio fallax	0	0	0	0	0	0	10	0	0	0	0	10	1.7	3.9	17%
	Prionospio multibranchiata	0	0	0	0	10	0	0	0	10	0	0	0	1.7	3.9	17%
	Spiophanes kroyeri	0	10	0	0	0	0	0	0	0	0	0	10	1.7	3.9	17%
	Amaeana trilobata	0	0	0	10	0	0	0	0	0	0	0	0	0.8	2.9	8%
	Amphictene auricoma	0	0	0	0	0	0	0	0	0	0	10	0	0.8	2.9	8%
	Ancistrosyllis groenlandica	0	0	0	0	0	0	0	10	0	0	0	0	0.8	2.9	8%
	Apistobranchus tullbergi	0	0	10	0	0	0	0	0	0	0	0	0	0.8	2.9	8%
	Chaetozone zetlandica	0	0	0	0	0	0	0	0	10	0	0	0	0.8	2.9	8%
	Diplocirrus glaucus	0	0	0	0	0	0	0	0	0	0	0	10	0.8	2.9	8%
	Glycinde nordmanni	0	0	0	0	0	0	0	0	0	0	0	10	0.8	2.9	8%
	Glyphohesione klatti	10	0	0	0	0	0	0	0	0	0	0	0	0.8	2.9	8%
	Kirkegaardia sp.	0	0	0	0	0	0	10	0	0	0	0	0	0.8	2.9	8%
	Melinna palmata	0	0	0	0	0	0	0	0	10	0	0	0	0.8	2.9	8%
	Pectinaria belgica	0	0	0	0	0	0	10	0	0	0	0	0	0.8	2.9	8%
	Rhodine gracilior	10	0	0	0	0	0	0	0	0	0	0	0	0.8	2.9	8%
	Polycirrus sp.	0	0	0	0	0	0	0	0	0	0	10	0	0.8	2.9	8%
Crustacea	*Eudorella emarginata*	0	0	0	10	0	0	0	0	0	0	0	0	0.8	2.9	8%
	Jassa falcata	0	10	0	0	0	0	0	0	0	0	0	0	0.8	2.9	8%
	Leucon (Leucon) nasica	10	0	0	0	0	0	0	0	0	0	0	0	0.8	2.9	8%
	Maera loveni	0	0	0	0	0	10	0	0	0	0	10	0	1.7	3.9	17%
Mollusca - bivalvia	*Abra alba*	0	0	0	0	0	0	0	0	0	0	20	0	1.7	5.8	8%
	Abra nitida	0	0	10	0	0	0	10	10	40	10	20	0	8.3	11.9	50%
	Corbula gibba	30	0	0	0	0	0	0	0	0	0	0	0	2.5	8.7	8%
	Nucula nitidosa	0	0	20	0	0	10	10	0	40	30	10	10	10.8	13.1	58%
	Nucula sulcata	50	0	0	0	0	0	0	0	0	0	0	0	4.2	14.4	8%
	Parvicardium sp.	0	0	0	0	0	0	0	0	10	0	0	0	0.8	2.9	8%
	Thyasira sp.	0	10	0	0	0	0	0	0	0	0	0	0	0.8	2.9	8%
	Thyasira flexuosa	0	0	0	0	0	0	0	0	0	10	0	10	1.7	3.9	17%
Mollusca - caudofoveata	*Chaetoderma nitidulum*	30	10	0	10	20	10	0	0	0	10	0	0	7.5	9.7	50%
	Falcidens crossotus	0	0	0	0	0	0	10	0	0	0	0	0	0.8	2.9	8%
Mollusca - gastropoda	*Cylichna cylindracea*	20	0	10	20	50	30	50	20	10	0	10	10	19.2	16.8	83%
	Hyala vitrea	0	0	0	0	0	0	0	0	0	0	10	10	1.7	3.9	17%
	Sorgenfreispira brachystoma	0	0	0	0	0	0	0	0	10	0	0	0	0.8	2.9	8%
	Turritella communis	0	0	0	0	0	0	0	0	30	0	0	40	5.8	13.8	17%
Echinodermata - holothuroidea	*Leptosynapta inhaerens*	0	0	0	0	10	0	0	0	0	0	0	0	0.8	2.9	8%
Echinodermata - ophiuroidea	*Amphiura chiajei*	20	0	0	10	10	0	0	10	10	0	10	0	5.8	6.7	50%
	Amphiura filiformis	10	0	10	0	0	0	0	0	0	0	0	0	1.7	3.9	17%
	Amphiuridae sp.	0	10	0	0	0	0	0	0	0	0	0	10	1.7	3.9	17%
Palaeonemertea	*Tubulanus* sp.	0	0	0	0	10	0	0	0	0	0	0	0	0.8	2.9	8%
Phoronida	*Phoronis* sp.	0	0	0	0	0	0	0	0	10	0	0	10	1.7	3.9	17%
Sipunculidea	*Thysanocardia procera*	0	0	0	0	0	0	0	0	0	0	10	0	0.8	2.9	8%
Hydrozoa	*Neoturris* sp.	1	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	8%
Total														**229.3**		

Appendix E – ROV Video Log

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	19:23:45	Started Video [C1]	00:00:00	Dive 02 18-02-20 19.23.42	TR05	-	-	-	-	-	-	-	-
20/02/2018	19:25:19	Stopped Video [C1]	00:01:27	Dive 02 18-02-20 19.23.42	TR05	-	-	-	-	-	-	-	Vessel not in position so transect aborted.
20/02/2018	19:30:44	Started Video [C1]	00:00:00	Dive 03 18-02-20 19.30.42	TR05(2)	-	-	-	-	-	-	-	-
20/02/2018	19:31:36	Paused Video	00:00:52	Dive 03 18-02-20 19.30.42	TR05(2)	-	-	-	-	-	-	-	-
20/02/2018	19:31:45	Re-Started Paused Video	00:00:52	Dive 03 18-02-20 19.30.42	TR05(2)	-	-	-	-	-	-	-	-
20/02/2018	19:32:31	SOL	00:01:38	Dive 03 18-02-20 19.30.42	TR05(2)	-	57°34.87825030'N	006°24.03411915'W	57.581304	-6.400569	655416.988	6385073.876	-
20/02/2018	19:33:59	Still Taken	00:03:06	Dive 03 18-02-20 19.30.42	TR05(2)	IMG_0905	57°34.84608778'N	006°23.96490214'W	57.580768	-6.399415	655488.251	6385016.875	Burrowed mud.
20/02/2018	19:34:09	Still Taken	00:03:16	Dive 03 18-02-20 19.30.42	TR05(2)	IMG_0906	57°34.84469008'N	006°23.96256106'W	57.580745	-6.399376	655490.68	6385014.405	Burrowed mud.
20/02/2018	19:34:21	Stopped Video [C1]	00:03:28	Dive 03 18-02-20 19.30.42	TR05(2)	-	-	-	-	-	-	-	Vessel moving too quick so transect aborted.
20/02/2018	19:50:26	Started Video [C1]	00:00:00	Dive 03 18-02-20 19.50.25	TR05(3)	-	-	-	-	-	-	-	-
20/02/2018	19:56:03	SOL	00:05:37	Dive 03 18-02-20 19.50.25	TR05(3)	-	57°34.88167702'N	006°24.03177386'W	57.581361	-6.40053	655419.076	6385080.308	-
20/02/2018	19:57:31	Still Taken	00:07:04	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0909	57°34.86926760'N	006°24.00245587'W	57.581154	-6.400041	655449.187	6385058.394	Burrowed mud.
20/02/2018	19:58:05	Still Taken	00:07:38	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0910	57°34.86376065'N	006°23.99199404'W	57.581063	-6.399867	655459.976	6385048.666	Burrowed mud.
20/02/2018	19:58:21	Still Taken	00:07:55	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0911	57°34.86066280'N	006°23.98696846'W	57.581011	-6.399783	655465.218	6385043.072	Burrowed mud.
20/02/2018	19:58:52	Still Taken	00:08:25	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0912	57°34.85527265'N	006°23.97622648'W	57.580921	-6.399604	655476.301	6385033.468	Burrowed mud.
20/02/2018	20:00:45	Still Taken	00:10:19	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0913	57°34.83766354'N	006°23.93389868'W	57.580628	-6.398898	655519.751	6385002.482	Black image.
20/02/2018	20:01:33	Still Taken	00:11:07	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0914	57°34.83041808'N	006°23.91844538'W	57.580507	-6.398641	655535.629	6384989.606	Burrowed mud.
20/02/2018	20:01:41	Still Taken	00:11:14	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0915	57°34.82913362'N	006°23.91610977'W	57.580486	-6.398602	655538.049	6384987.359	Burrowed mud with boulder.
20/02/2018	20:02:19	Still Taken	00:11:53	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0916	57°34.82272283'N	006°23.90174310'W	57.580379	-6.398362	655552.852	6384976.002	Burrowed mud.
20/02/2018	20:02:51	Still Taken	00:12:24	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0917	57°34.81825455'N	006°23.89090108'W	57.580304	-6.398182	655563.931	6384968.069	Burrowed mud.
20/02/2018	20:03:17	Still Taken	00:12:50	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0918	57°34.81373885'N	006°23.88062583'W	57.580229	-6.39801	655574.532	6384960.118	Burrowed mud.
20/02/2018	20:03:34	Still Taken	00:13:08	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0919	57°34.81137878'N	006°23.87444263'W	57.58019	-6.397907	655580.855	6384956.014	Burrowed mud.
20/02/2018	20:03:50	Still Taken	00:13:23	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0920	57°34.80933616'N	006°23.87010891'W	57.580156	-6.397835	655585.304	6384952.396	Burrowed mud.
20/02/2018	20:05:23	Still Taken	00:14:56	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0921	57°34.79649426'N	006°23.84115751'W	57.579942	-6.397353	655615.028	6384929.688	Burrowed mud.
20/02/2018	20:06:03	Still Taken	00:15:37	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0922	57°34.78994547'N	006°23.82884404'W	57.579832	-6.397147	655627.811	6384917.920	Burrowed mud.
20/02/2018	20:06:42	Still Taken	00:16:15	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0923	57°34.78518814'N	006°23.81857393'W	57.579753	-6.396976	655638.37	6384909.522	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	20:07:30	Still Taken	00:17:04	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0924	57°34.77717153'N	006°23.80205748'W	57.57962	-6.396701	655655.376	6384895.353	Burrowed mud.
20/02/2018	20:07:54	Still Taken	00:17:27	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0925	57°34.77419013'N	006°23.79432390'W	57.57957	-6.396572	655663.3	6384890.085	Burrowed mud.
20/02/2018	20:08:32	Still Taken	00:18:06	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0926	57°34.76783650'N	006°23.78233538'W	57.579464	-6.396372	655675.708	6384878.748	Burrowed mud.
20/02/2018	20:08:45	Still Taken	00:18:18	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0927	57°34.76581356'N	006°23.77863238'W	57.57943	-6.396311	655679.499	6384875.105	Burrowed mud.
20/02/2018	20:09:34	Still Taken	00:19:07	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0928	57°34.75773365'N	006°23.76116354'W	57.579296	-6.396019	655697.526	6384860.864	Burrowed mud. Algae present.
20/02/2018	20:10:27	Still Taken	00:20:00	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0929	57°34.75143374'N	006°23.74751162'W	57.579191	-6.395792	655711.543	6384849.701	Burrowed mud.
20/02/2018	20:10:52	Still Taken	00:20:26	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0930	57°34.74756056'N	006°23.74077992'W	57.579126	-6.39568	655718.516	6384842.725	Burrowed mud.
20/02/2018	20:11:49	Still Taken	00:21:22	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0931	57°34.73745607'N	006°23.71806522'W	57.578958	-6.395301	655741.889	6384824.900	Burrowed mud.
20/02/2018	20:12:23	Still Taken	00:21:57	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0932	57°34.73260341'N	006°23.70540725'W	57.578877	-6.39509	655754.847	6384816.371	Burrowed mud.
20/02/2018	20:13:05	Still Taken	00:22:38	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0933	57°34.72597206'N	006°23.69277946'W	57.578766	-6.39488	655767.874	6384804.502	Burrowed mud.
20/02/2018	20:13:38	Still Taken	00:23:11	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0934	57°34.71992748'N	006°23.67848651'W	57.578665	-6.394641	655782.593	6384793.811	Burrowed mud.
20/02/2018	20:14:12	Still Taken	00:23:45	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0935	57°34.71455789'N	006°23.66321083'W	57.578576	-6.394387	655798.156	6384784.491	Burrowed mud.
20/02/2018	20:14:31	Still Taken	00:24:04	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0936	57°34.71213442'N	006°23.65513871'W	57.578536	-6.394252	655806.397	6384780.350	Burrowed mud.
20/02/2018	20:14:40	Still Taken	00:24:13	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0937	57°34.71079569'N	006°23.65154355'W	57.578513	-6.394192	655810.082	6384777.928	Burrowed mud.
20/02/2018	20:15:20	Still Taken	00:24:53	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0938	57°34.70441954'N	006°23.63834758'W	57.578407	-6.393972	655823.685	6384766.638	Burrowed mud.
20/02/2018	20:16:30	Still Taken	00:26:03	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0939	57°34.68962385'N	006°23.60885483'W	57.57816	-6.393481	655854.092	6384740.281	Burrowed mud.
20/02/2018	20:16:40	Still Taken	00:26:14	Dive 03 18-02-20 19.50.25	TR05(3)	IMG_0940	57°34.68799584'N	006°23.60491966'W	57.578133	-6.393415	655858.152	6384737.428	Black image.
20/02/2018	20:19:34	Changed Video File	00:29:07	Dive 03 18-02-20 19.50.25	TR05(3)	-	-	-	-	-	-	-	-
20/02/2018	20:19:34	New Video File Started	00:00:00	Dive 03 18-02-20 20.19.34	TR05(3)	-	-	-	-	-	-	-	-
20/02/2018	20:21:09	EOL	00:01:35	Dive 03 18-02-20 20.19.34	TR05(3)	-	57°34.64241254'N	006°23.50438911'W	57.577374	-6.39174	655961.526	6384656.818	-
20/02/2018	20:21:12	Stopped Video [C1]	00:01:37	Dive 03 18-02-20 20.19.34	TR05(3)	-	-	-	-	-	-	-	-
20/02/2018	20:41:05	Started Video [C1]	00:00:00	Dive 04 18-02-20 20.41.04	TR04	-	-	-	-	-	-	-	-
20/02/2018	20:42:39	SOL	00:01:34	Dive 04 18-02-20 20.41.04	TR04	-	57°34.87211015'N	006°24.26142132'W	57.581202	-6.404357	655191.008	6385053.855	-
20/02/2018	20:44:20	Still Taken	00:03:15	Dive 04 18-02-20 20.41.04	TR04	IMG_0943	57°34.85548260'N	006°24.22000915'W	57.580925	-6.403667	655233.43	6385024.609	Burrowed mud.
20/02/2018	20:44:50	Still Taken	00:03:45	Dive 04 18-02-20 20.41.04	TR04	IMG_0944	57°34.85058661'N	006°24.20798752'W	57.580843	-6.403466	655245.794	6385015.945	Burrowed mud.
20/02/2018	20:45:05	Still Taken	00:03:59	Dive 04 18-02-20 20.41.04	TR04	IMG_0945	57°34.84774784'N	006°24.20205686'W	57.580796	-6.403368	655251.852	6385010.939	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	20:45:30	Still Taken	00:04:24	Dive 04 18-02-20 20.41.04	TR04	IMG_0946	57°34.84307816'N	006°24.19211997'W	57.580718	-6.403202	655262.106	6385002.639	Burrowed mud.
20/02/2018	20:45:39	Still Taken	00:04:33	Dive 04 18-02-20 20.41.04	TR04	IMG_0947	57°34.84193043'N	006°24.18924693'W	57.580699	-6.403154	655265.056	6385000.635	Burrowed mud.
20/02/2018	20:46:03	Still Taken	00:04:57	Dive 04 18-02-20 20.41.04	TR04	IMG_0948	57°34.83820151'N	006°24.17939551'W	57.580637	-6.40299	655275.123	6384994.111	Burrowed mud.
20/02/2018	20:46:40	Still Taken	00:05:34	Dive 04 18-02-20 20.41.04	TR04	IMG_0949	57°34.83280532'N	006°24.16591735'W	57.580547	-6.402765	655288.955	6384984.611	Burrowed mud.
20/02/2018	20:46:50	Still Taken	00:05:45	Dive 04 18-02-20 20.41.04	TR04	IMG_0950	57°34.83144221'N	006°24.16288549'W	57.580524	-6.402715	655292.042	6384982.166	Burrowed mud.
20/02/2018	20:47:25	Still Taken	00:06:19	Dive 04 18-02-20 20.41.04	TR04	IMG_0951	57°34.82515782'N	006°24.14917369'W	57.580419	-6.402486	655306.178	6384971.006	Burrowed mud.
20/02/2018	20:48:48	Still Taken	00:07:43	Dive 04 18-02-20 20.41.04	TR04	IMG_0952	57°34.81320802'N	006°24.12534467'W	57.58022	-6.402089	655330.756	6384949.771	Burrowed mud.
20/02/2018	20:49:01	Still Taken	00:07:56	Dive 04 18-02-20 20.41.04	TR04	IMG_0953	57°34.81085537'N	006°24.12085182'W	57.580181	-6.402014	655335.405	6384945.603	Burrowed mud.
20/02/2018	20:49:50	Still Taken	00:08:44	Dive 04 18-02-20 20.41.04	TR04	IMG_0954	57°34.80452364'N	006°24.10534914'W	57.580075	-6.401756	655351.278	6384934.398	Burrowed mud.
20/02/2018	20:50:40	Still Taken	00:09:34	Dive 04 18-02-20 20.41.04	TR04	IMG_0955	57°34.79626869'N	006°24.08942313'W	57.579938	-6.40149	655367.762	6384919.762	Burrowed mud.
20/02/2018	20:51:01	Still Taken	00:09:55	Dive 04 18-02-20 20.41.04	TR04	IMG_0956	57°34.79266677'N	006°24.08296363'W	57.579878	-6.401383	655374.413	6384913.331	Burrowed mud.
20/02/2018	20:51:36	Still Taken	00:10:30	Dive 04 18-02-20 20.41.04	TR04	IMG_0957	57°34.78763931'N	006°24.07182630'W	57.579794	-6.401197	655385.889	6384904.409	Burrowed mud.
20/02/2018	20:52:40	Still Taken	00:11:34	Dive 04 18-02-20 20.41.04	TR04	IMG_0958	57°34.77730480'N	006°24.04959526'W	57.579622	-6.400827	655408.739	6384886.117	Burrowed mud.
20/02/2018	20:53:57	Still Taken	00:12:51	Dive 04 18-02-20 20.41.04	TR04	IMG_0959	57°34.76549330'N	006°24.02541897'W	57.579425	-6.400424	655433.668	6384865.119	Burrowed mud.
20/02/2018	20:55:27	Still Taken	00:14:21	Dive 04 18-02-20 20.41.04	TR04	IMG_0960	57°34.75101783'N	006°23.99725261'W	57.579184	-6.399954	655462.79	6384839.378	Burrowed mud.
20/02/2018	20:56:12	Still Taken	00:15:07	Dive 04 18-02-20 20.41.04	TR04	IMG_0961	57°34.74329678'N	006°23.98214825'W	57.579055	-6.399702	655478.404	6384825.600	Burrowed mud.
20/02/2018	20:56:49	Still Taken	00:15:44	Dive 04 18-02-20 20.41.04	TR04	IMG_0962	57°34.73744742'N	006°23.97063648'W	57.578957	-6.399511	655490.239	6384815.133	Burrowed mud.
20/02/2018	20:57:25	Still Taken	00:16:19	Dive 04 18-02-20 20.41.04	TR04	IMG_0963	57°34.73143658'N	006°23.95734032'W	57.578857	-6.399289	655503.936	6384804.514	Burrowed mud.
20/02/2018	20:58:05	Still Taken	00:17:00	Dive 04 18-02-20 20.41.04	TR04	IMG_0964	57°34.72601564'N	006°23.94374370'W	57.578767	-6.399062	655517.889	6384795.019	Black image.
20/02/2018	20:59:02	Still Taken	00:17:56	Dive 04 18-02-20 20.41.04	TR04	IMG_0965	57°34.71694323'N	006°23.92509588'W	57.578616	-6.398752	655537.064	6384778.927	Burrowed mud.
20/02/2018	20:59:14	Still Taken	00:18:09	Dive 04 18-02-20 20.41.04	TR04	IMG_0966	57°34.71488700'N	006°23.92112651'W	57.578581	-6.398685	655541.218	6384775.186	Burrowed mud.
20/02/2018	21:00:06	Still Taken	00:19:01	Dive 04 18-02-20 20.41.04	TR04	IMG_0967	57°34.70687033'N	006°23.90484583'W	57.578448	-6.398414	655557.985	6384761.008	Burrowed mud.
20/02/2018	21:00:17	Still Taken	00:19:12	Dive 04 18-02-20 20.41.04	TR04	IMG_0968	57°34.70509927'N	006°23.90189722'W	57.578418	-6.398365	655561.042	6384757.782	Black image.
20/02/2018	21:01:36	Still Taken	00:20:30	Dive 04 18-02-20 20.41.04	TR04	IMG_0969	57°34.69136053'N	006°23.87193396'W	57.578189	-6.397866	655591.848	6384733.443	Camera off the seabed.
20/02/2018	21:02:11	Still Taken	00:21:06	Dive 04 18-02-20 20.41.04	TR04	IMG_0970	57°34.68529573'N	006°23.85921889'W	57.578088	-6.397654	655604.952	6384722.691	Burrowed mud.
20/02/2018	21:03:07	Still Taken	00:22:02	Dive 04 18-02-20 20.41.04	TR04	IMG_0971	57°34.67506029'N	006°23.83928422'W	57.577918	-6.397321	655625.583	6384704.537	Burrowed mud.
20/02/2018	21:03:22	Still Taken	00:22:17	Dive 04 18-02-20 20.41.04	TR04	IMG_0972	57°34.67223889'N	006°23.83300235'W	57.577871	-6.397217	655632.001	6384699.546	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	21:03:35	Still Taken	00:22:30	Dive 04 18-02-20 20.41.04	TR04	IMG_0973	57°34.67009304'N	006°23.82823068'W	57.577835	-6.397137	655636.937	6384695.723	Burrowed mud.
20/02/2018	21:04:20	Still Taken	00:23:14	Dive 04 18-02-20 20.41.04	TR04	IMG_0974	57°34.66134349'N	006°23.81068595'W	57.577689	-6.396845	655655.015	6384680.147	Burrowed mud.
20/02/2018	21:05:07	Still Taken	00:24:01	Dive 04 18-02-20 20.41.04	TR04	IMG_0975	57°34.65314102'N	006°23.79034177'W	57.577552	-6.396506	655675.865	6384665.680	Burrowed mud.
20/02/2018	21:05:18	Still Taken	00:24:13	Dive 04 18-02-20 20.41.04	TR04	IMG_0976	57°34.65144667'N	006°23.78537413'W	57.577524	-6.396423	655680.946	6384662.754	Burrowed mud.
20/02/2018	21:06:33	Still Taken	00:25:28	Dive 04 18-02-20 20.41.04	TR04	IMG_0977	57°34.63811912'N	006°23.75535229'W	57.577302	-6.395923	655711.783	6384639.198	Burrowed mud.
20/02/2018	21:07:01	Still Taken	00:25:56	Dive 04 18-02-20 20.41.04	TR04	IMG_0978	57°34.63333848'N	006°23.74580217'W	57.577222	-6.395763	655721.689	6384630.663	Burrowed mud.
20/02/2018	21:08:02	Still Taken	00:26:57	Dive 04 18-02-20 20.41.04	TR04	IMG_0979	57°34.62317986'N	006°23.72201024'W	57.577053	-6.395367	655746.083	6384612.767	Burrowed mud.
20/02/2018	21:08:17	Still Taken	00:27:11	Dive 04 18-02-20 20.41.04	TR04	IMG_0980	57°34.62086488'N	006°23.71687101'W	57.577014	-6.395281	655751.391	6384608.624	Burrowed mud.
20/02/2018	21:08:32	Still Taken	00:27:26	Dive 04 18-02-20 20.41.04	TR04	IMG_0981	57°34.61810403'N	006°23.71119878'W	57.576968	-6.395187	655757.207	6384603.721	Burrowed mud.
20/02/2018	21:08:54	Still Taken	00:27:49	Dive 04 18-02-20 20.41.04	TR04	IMG_0982	57°34.61462985'N	006°23.70394117'W	57.57691	-6.395066	655764.688	6384597.545	Burrowed mud.
20/02/2018	21:09:13	Still Taken	00:28:07	Dive 04 18-02-20 20.41.04	TR04	IMG_0983	57°34.61126547'N	006°23.69792292'W	57.576854	-6.394965	655770.965	6384591.545	Burrowed mud.
20/02/2018	21:09:23	Still Taken	00:28:17	Dive 04 18-02-20 20.41.04	TR04	IMG_0984	57°34.60912586'N	006°23.69383023'W	57.576819	-6.394897	655775.179	6384587.807	Burrowed mud.
20/02/2018	21:09:51	Still Taken	00:28:45	Dive 04 18-02-20 20.41.04	TR04	IMG_0985	57°34.60417958'N	006°23.68268813'W	57.576736	-6.394711	655786.653	6384578.998	Burrowed mud. Nephrops present.
20/02/2018	21:10:46	Still Taken	00:29:40	Dive 04 18-02-20 20.41.04	TR04	IMG_0986	57°34.59540016'N	006°23.66450958'W	57.57659	-6.394408	655805.39	6384563.447	Burrowed mud.
20/02/2018	21:11:05	Changed Video File	00:30:00	Dive 04 18-02-20 20.41.04	TR04	-	-	-	-	-	-	-	-
20/02/2018	21:11:05	New Video File Started	00:00:00	Dive 04 18-02-20 21.11.05	TR04	-	-	-	-	-	-	-	-
20/02/2018	21:11:51	Still Taken	00:00:45	Dive 04 18-02-20 21.11.05	TR04	IMG_0987	57°34.58552468'N	006°23.64455121'W	57.576425	-6.394076	655825.942	6384545.849	Burrowed mud.
20/02/2018	21:12:01	Still Taken	00:00:55	Dive 04 18-02-20 21.11.05	TR04	IMG_0988	57°34.58397729'N	006°23.64119867'W	57.5764	-6.39402	655829.396	6384543.196	Burrowed mud.
20/02/2018	21:12:13	Still Taken	00:01:07	Dive 04 18-02-20 21.11.05	TR04	IMG_0989	57°34.58212024'N	006°23.63780016'W	57.5763687	-6.3939633	655832.92	6384539.843	Burrowed mud.
20/02/2018	21:13:33	Still Taken	00:02:27	Dive 04 18-02-20 21.11.05	TR04	IMG_0990	57°34.57037090'N	006°23.60674648'W	57.576173	-6.393446	655864.681	6384519.254	Burrowed mud.
20/02/2018	21:13:54	Still Taken	00:02:48	Dive 04 18-02-20 21.11.05	TR04	IMG_0991	57°34.56664811'N	006°23.59922356'W	57.576111	-6.39332	655872.478	6384512.645	Burrowed mud.
20/02/2018	21:14:13	Still Taken	00:03:07	Dive 04 18-02-20 21.11.05	TR04	IMG_0992	57°34.56307593'N	006°23.59276732'W	57.576051	-6.393213	655879.131	6384506.214	Burrowed mud.
20/02/2018	21:14:24	Still Taken	00:03:18	Dive 04 18-02-20 21.11.05	TR04	IMG_0993	57°34.56085982'N	006°23.58845136'W	57.576014	-6.393141	655883.593	6384502.262	Burrowed mud.
20/02/2018	21:14:47	Still Taken	00:03:41	Dive 04 18-02-20 21.11.05	TR04	IMG_0994	57°34.55770902'N	006°23.58025530'W	57.575962	-6.393004	655892.006	6384496.790	Black image.
20/02/2018	21:15:19	Still Taken	00:04:13	Dive 04 18-02-20 21.11.05	TR04	IMG_0995	57°34.55379445'N	006°23.56929152'W	57.575897	-6.392822	655903.164	6384489.976	Burrowed mud.
20/02/2018	21:15:27	Still Taken	00:04:22	Dive 04 18-02-20 21.11.05	TR04	IMG_0996	57°34.55237967'N	006°23.56600504'W	57.575873	-6.392767	655906.554	6384487.431	Burrowed mud.
20/02/2018	21:15:44	Still Taken	00:04:38	Dive 04 18-02-20 21.11.05	TR04	IMG_0997	57°34.55004744'N	006°23.56083594'W	57.575834	-6.392681	655911.862	6384483.289	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	21:16:13	Still Taken	00:05:07	Dive 04 18-02-20 21.11.05	TR04	IMG_0998	57°34.54574921'N	006°23.55208557'W	57.575762	-6.392535	655920.898	6384475.613	Burrowed mud.
20/02/2018	21:16:35	Still Taken	00:05:29	Dive 04 18-02-20 21.11.05	TR04	IMG_0999	57°34.54174057'N	006°23.54409757'W	57.575696	-6.392402	655929.131	6384468.574	Burrowed mud.
20/02/2018	21:16:48	Still Taken	00:05:43	Dive 04 18-02-20 21.11.05	TR04	IMG_1000	57°34.53940833'N	006°23.53931449'W	57.575657	-6.392322	655934.08	6384464.418	Burrowed mud.
20/02/2018	21:16:58	Still Taken	00:05:52	Dive 04 18-02-20 21.11.05	TR04	IMG_1001	57°34.53793666'N	006°23.53638111'W	57.575632	-6.392273	655937.116	6384461.749	Burrowed mud.
20/02/2018	21:18:00	Still Taken	00:06:55	Dive 04 18-02-20 21.11.05	TR04	IMG_1002	57°34.52642778'N	006°23.51271699'W	57.57544	-6.391879	655961.492	6384441.289	Burrowed mud.
20/02/2018	21:18:09	Still Taken	00:07:03	Dive 04 18-02-20 21.11.05	TR04	IMG_1003	57°34.52530035'N	006°23.51019544'W	57.575422	-6.391837	655964.079	6384439.383	Burrowed mud.
20/02/2018	21:18:17	Still Taken	00:07:12	Dive 04 18-02-20 21.11.05	TR04	IMG_1004	57°34.52398602'N	006°23.50733462'W	57.5754	-6.391789	655967.043	6384437.045	Burrowed mud.
20/02/2018	21:19:09	Still Taken	00:08:03	Dive 04 18-02-20 21.11.05	TR04	IMG_1005	57°34.51474052'N	006°23.48989826'W	57.575246	-6.391498	655985.098	6384420.577	Burrowed mud.
20/02/2018	21:19:18	Still Taken	00:08:12	Dive 04 18-02-20 21.11.05	TR04	IMG_1006	57°34.51340661'N	006°23.48729896'W	57.575223	-6.391455	655987.767	6384418.117	Burrowed mud.
20/02/2018	21:19:35	EOL	00:08:30	Dive 04 18-02-20 21.11.05	TR04	-	57°34.51117445'N	006°23.48329147'W	57.575186	-6.391388	655991.931	6384414.154	-
20/02/2018	21:19:37	Stopped Video [C1]	00:08:31	Dive 04 18-02-20 21.11.05	TR04	-	-	-	-	-	-	-	-
20/02/2018	21:39:22	Started Video [C1]	00:00:00	Dive 05 18-02-20 21.39.20	TR03	-	-	-	-	-	-	-	-
20/02/2018	21:41:29	SOL	00:02:07	Dive 05 18-02-20 21.39.20	TR03	-	57°34.86860312'N	006°24.53200204'W	57.581143	-6.408867	654921.688	6385036.982	-
20/02/2018	21:41:44	Still Taken	00:02:22	Dive 05 18-02-20 21.39.20	TR03	IMG_1009	57°34.86813497'N	006°24.52684694'W	57.581136	-6.408781	654926.859	6385036.400	Burrowed mud.
20/02/2018	21:43:12	Still Taken	00:03:50	Dive 05 18-02-20 21.39.20	TR03	IMG_1010	57°34.85320168'N	006°24.48875971'W	57.580887	-6.408146	654965.872	6385010.142	Burrowed mud.
20/02/2018	21:43:34	Still Taken	00:04:12	Dive 05 18-02-20 21.39.20	TR03	IMG_1011	57°34.84934186'N	006°24.48059767'W	57.580822	-6.40801	654974.278	6385003.220	Burrowed mud.
20/02/2018	21:44:18	Still Taken	00:04:56	Dive 05 18-02-20 21.39.20	TR03	IMG_1012	57°34.84197935'N	006°24.46322956'W	57.5807	-6.40772	654992.131	6384990.306	Burrowed mud.
20/02/2018	21:44:36	Still Taken	00:05:14	Dive 05 18-02-20 21.39.20	TR03	IMG_1013	57°34.83911232'N	006°24.45709449'W	57.580652	-6.407618	654998.432	6384985.198	Burrowed mud.
20/02/2018	21:44:48	Still Taken	00:05:26	Dive 05 18-02-20 21.39.20	TR03	IMG_1014	57°34.83719668'N	006°24.45316872'W	57.58062	-6.407553	655002.453	6384981.785	Burrowed mud.
20/02/2018	21:45:14	Still Taken	00:05:51	Dive 05 18-02-20 21.39.20	TR03	IMG_1015	57°34.83315614'N	006°24.44561516'W	57.580553	-6.407427	655010.269	6384974.618	Burrowed mud.
20/02/2018	21:45:22	Still Taken	00:06:00	Dive 05 18-02-20 21.39.20	TR03	IMG_1016	57°34.83189406'N	006°24.44318994'W	57.580532	-6.407386	655012.809	6384972.375	Burrowed mud.
20/02/2018	21:45:31	Still Taken	00:06:09	Dive 05 18-02-20 21.39.20	TR03	IMG_1017	57°34.83054275'N	006°24.44055723'W	57.580509	-6.407343	655015.477	6384969.913	Burrowed mud.
20/02/2018	21:45:50	Still Taken	00:06:28	Dive 05 18-02-20 21.39.20	TR03	IMG_1018	57°34.82722086'N	006°24.43439950'W	57.580454	-6.40724	655021.868	6384964.029	Burrowed mud.
20/02/2018	21:46:18	Still Taken	00:06:56	Dive 05 18-02-20 21.39.20	TR03	IMG_1019	57°34.82360632'N	006°24.42538313'W	57.580393	-6.40709	655031.093	6384957.583	Burrowed mud.
20/02/2018	21:47:41	Still Taken	00:08:19	Dive 05 18-02-20 21.39.20	TR03	IMG_1020	57°34.81295886'N	006°24.39772405'W	57.580216	-6.406629	655059.402	6384938.941	Burrowed mud.
20/02/2018	21:47:54	Still Taken	00:08:32	Dive 05 18-02-20 21.39.20	TR03	IMG_1021	57°34.81140071'N	006°24.39422501'W	57.58019	-6.40657	655063.039	6384936.182	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	21:48:14	Still Taken	00:08:52	Dive 05 18-02-20 21.39.20	TR03	IMG_1022	57°34.80846838'N	006°24.38892455'W	57.580141	-6.406482	655068.508	6384930.931	Burrowed mud.
20/02/2018	21:49:32	Still Taken	00:10:10	Dive 05 18-02-20 21.39.20	TR03	IMG_1023	57°34.79533303'N	006°24.36518379'W	57.579922	-6.406086	655093.11	6384907.466	Burrowed mud.
20/02/2018	21:50:11	Still Taken	00:10:49	Dive 05 18-02-20 21.39.20	TR03	IMG_1024	57°34.78917934'N	006°24.35425413'W	57.57982	-6.405904	655104.423	6384896.532	Burrowed mud.
20/02/2018	21:52:25	Still Taken	00:13:03	Dive 05 18-02-20 21.39.20	TR03	IMG_1025	57°34.76660505'N	006°24.30280800'W	57.579443	-6.405047	655157.254	6384856.540	Burrowed mud.
20/02/2018	21:53:16	Still Taken	00:13:54	Dive 05 18-02-20 21.39.20	TR03	IMG_1026	57°34.75589595'N	006°24.28285072'W	57.579265	-6.404714	655177.917	6384837.494	Burrowed mud.
20/02/2018	21:53:37	Still Taken	00:14:15	Dive 05 18-02-20 21.39.20	TR03	IMG_1027	57°34.75231765'N	006°24.27468657'W	57.579205	-6.404578	655186.302	6384831.129	Burrowed mud.
20/02/2018	21:53:46	Still Taken	00:14:24	Dive 05 18-02-20 21.39.20	TR03	IMG_1028	57°34.75081452'N	006°24.27126461'W	57.57918	-6.404521	655189.815	6384828.477	Burrowed mud.
20/02/2018	21:54:35	Still Taken	00:15:13	Dive 05 18-02-20 21.39.20	TR03	IMG_1029	57°34.74177524'N	006°24.25473222'W	57.57903	-6.404246	655206.892	6384812.415	Burrowed mud.
20/02/2018	21:54:54	Still Taken	00:15:32	Dive 05 18-02-20 21.39.20	TR03	IMG_1030	57°34.73815465'N	006°24.24865951'W	57.578969	-6.404144	655213.249	6384805.860	Burrowed mud.
20/02/2018	21:55:33	Still Taken	00:16:11	Dive 05 18-02-20 21.39.20	TR03	IMG_1031	57°34.73076796'N	006°24.23544701'W	57.578846	-6.403924	655226.923	6384792.676	Burrowed mud.
20/02/2018	21:55:45	Still Taken	00:16:23	Dive 05 18-02-20 21.39.20	TR03	IMG_1032	57°34.72893155'N	006°24.23034978'W	57.578816	-6.403839	655232.132	6384789.533	Burrowed mud.
20/02/2018	21:56:58	Still Taken	00:17:36	Dive 05 18-02-20 21.39.20	TR03	IMG_1033	57°34.71641393'N	006°24.20481817'W	57.578607	-6.403414	655258.427	6384767.248	Burrowed mud.
20/02/2018	21:57:15	Still Taken	00:17:53	Dive 05 18-02-20 21.39.20	TR03	IMG_1034	57°34.71368474'N	006°24.19973463'W	57.578561	-6.403329	655263.704	6384762.324	Burrowed mud.
20/02/2018	21:57:23	Still Taken	00:18:01	Dive 05 18-02-20 21.39.20	TR03	IMG_1035	57°34.71226816'N	006°24.19714924'W	57.578538	-6.403286	655266.372	6384759.863	Burrowed mud.
20/02/2018	21:57:38	Still Taken	00:18:16	Dive 05 18-02-20 21.39.20	TR03	IMG_1036	57°34.70957607'N	006°24.19178020'W	57.578493	-6.403196	655271.944	6384755.061	Burrowed mud.
20/02/2018	21:58:46	Still Taken	00:19:24	Dive 05 18-02-20 21.39.20	TR03	IMG_1037	57°34.69917904'N	006°24.16632928'W	57.57832	-6.402772	655298.026	6384736.781	Burrowed mud.
20/02/2018	21:59:19	Still Taken	00:19:57	Dive 05 18-02-20 21.39.20	TR03	IMG_1038	57°34.69380572'N	006°24.15593589'W	57.57823	-6.402599	655308.751	6384727.162	Burrowed mud.
20/02/2018	21:59:29	Still Taken	00:20:07	Dive 05 18-02-20 21.39.20	TR03	IMG_1039	57°34.69203439'N	006°24.15245589'W	57.578201	-6.402541	655312.342	6384724.068	Burrowed mud.
20/02/2018	22:00:05	Still Taken	00:20:43	Dive 05 18-02-20 21.39.20	TR03	IMG_1040	57°34.69614089'N	006°24.14022258'W	57.578269	-6.402337	655324.246	6384732.101	Burrowed mud.
20/02/2018	22:01:25	Still Taken	00:22:03	Dive 05 18-02-20 21.39.20	TR03	IMG_1041	57°34.67170021'N	006°24.11130569'W	57.577862	-6.401855	655354.793	6384687.915	Burrowed mud.
20/02/2018	22:02:08	Still Taken	00:22:46	Dive 05 18-02-20 21.39.20	TR03	IMG_1042	57°34.66416638'N	006°24.09745341'W	57.577736	-6.401624	655369.139	6384674.423	Burrowed mud.
20/02/2018	22:02:46	Still Taken	00:23:24	Dive 05 18-02-20 21.39.20	TR03	IMG_1043	57°34.65807786'N	006°24.08353658'W	57.577635	-6.401392	655383.438	6384663.716	Burrowed mud.
20/02/2018	22:03:00	Still Taken	00:23:38	Dive 05 18-02-20 21.39.20	TR03	IMG_1044	57°34.65592422'N	006°24.07798258'W	57.577599	-6.4013	655389.091	6384659.920	Burrowed mud.
20/02/2018	22:03:25	Still Taken	00:24:03	Dive 05 18-02-20 21.39.20	TR03	IMG_1045	57°34.65186216'N	006°24.06830995'W	57.577531	-6.401138	655399.065	6384652.725	Burrowed mud.
20/02/2018	22:04:06	Still Taken	00:24:44	Dive 05 18-02-20 21.39.20	TR03	IMG_1046	57°34.64511574'N	006°24.05517574'W	57.577419	-6.40092	655412.574	6384640.761	Burrowed mud.
20/02/2018	22:04:16	Still Taken	00:24:54	Dive 05 18-02-20 21.39.20	TR03	IMG_1047	57°34.64340118'N	006°24.05229250'W	57.57739	-6.400872	655415.567	6384637.644	Burrowed mud.
20/02/2018	22:04:36	Still Taken	00:25:14	Dive 05 18-02-20 21.39.20	TR03	IMG_1048	57°34.64056203'N	006°24.04752395'W	57.577343	-6.400792	655420.549	6384632.597	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	22:05:02	Still Taken	00:25:40	Dive 05 18-02-20 21.39.20	TR03	IMG_1049	57°34.63639477'N	006°24.04092618'W	57.577273	-6.400682	655427.423	6384625.060	Burrowed mud.
20/02/2018	22:05:44	Still Taken	00:26:21	Dive 05 18-02-20 21.39.20	TR03	IMG_1050	57°34.63309746'N	006°24.03256000'W	57.577218	-6.400543	655435.967	6384619.258	Burrowed mud.
20/02/2018	22:05:53	Still Taken	00:26:31	Dive 05 18-02-20 21.39.20	TR03	IMG_1051	57°34.63189949'N	006°24.02957969'W	57.577198	-6.400493	655439.041	6384617.147	Burrowed mud.
20/02/2018	22:06:04	Still Taken	00:26:42	Dive 05 18-02-20 21.39.20	TR03	IMG_1052	57°34.63056905'N	006°24.02596360'W	57.577176	-6.400433	655442.722	6384614.836	Burrowed mud.
20/02/2018	22:06:46	Still Taken	00:27:24	Dive 05 18-02-20 21.39.20	TR03	IMG_1053	57°34.62623352'N	006°24.01397370'W	57.577104	-6.400233	655454.985	6384607.282	Burrowed mud.
20/02/2018	22:07:06	Still Taken	00:27:44	Dive 05 18-02-20 21.39.20	TR03	IMG_1054	57°34.62386323'N	006°24.00927808'W	57.577064	-6.400155	655459.818	6384603.010	Burrowed mud.
20/02/2018	22:07:35	Still Taken	00:28:13	Dive 05 18-02-20 21.39.20	TR03	IMG_1055	57°34.62042832'N	006°24.00146297'W	57.577007	-6.400024	655467.892	6384596.967	Burrowed mud.
20/02/2018	22:07:59	Still Taken	00:28:37	Dive 05 18-02-20 21.39.20	TR03	IMG_1056	57°34.61748970'N	006°23.99174300'W	57.576958	-6.399862	655477.785	6384591.886	Burrowed mud.
20/02/2018	22:08:19	Still Taken	00:28:56	Dive 05 18-02-20 21.39.20	TR03	IMG_1057	57°34.61524926'N	006°23.98410207'W	57.576921	-6.399735	655485.535	6384588.060	Burrowed mud.
20/02/2018	22:09:03	Still Taken	00:29:41	Dive 05 18-02-20 21.39.20	TR03	IMG_1058	57°34.61131267'N	006°23.97087190'W	57.576855	-6.399515	655498.968	6384581.220	Burrowed mud.
20/02/2018	22:09:22	Changed Video File	00:30:00	Dive 05 18-02-20 21.39.20	TR03	-	-	-	-	-	-	-	-
20/02/2018	22:09:22	New Video File Started	00:00:00	Dive 05 18-02-20 22.09.22	TR03	-	-	-	-	-	-	-	-
20/02/2018	22:09:55	Still Taken	00:00:32	Dive 05 18-02-20 22.09.22	TR03	IMG_1059	57°34.60307888'N	006°23.95976281'W	57.576718	-6.399329	655510.671	6384566.401	Burrowed mud.
20/02/2018	22:11:45	Still Taken	00:02:22	Dive 05 18-02-20 22.09.22	TR03	IMG_1060	57°34.58076096'N	006°23.91986543'W	57.576346	-6.398664	655552.011	6384526.530	Burrowed mud.
20/02/2018	22:12:10	Still Taken	00:02:47	Dive 05 18-02-20 22.09.22	TR03	IMG_1061	57°34.57681544'N	006°23.90986292'W	57.57628	-6.398498	655562.217	6384519.567	Burrowed mud.
20/02/2018	22:12:58	Still Taken	00:03:35	Dive 05 18-02-20 22.09.22	TR03	IMG_1062	57°34.56984020'N	006°23.89423271'W	57.576164	-6.398237	655578.314	6384507.257	Burrowed mud.
20/02/2018	22:13:18	Still Taken	00:03:56	Dive 05 18-02-20 22.09.22	TR03	IMG_1063	57°34.56646033'N	006°23.88760749'W	57.576108	-6.398127	655585.129	6384501.278	Burrowed mud.
20/02/2018	22:13:41	Still Taken	00:04:18	Dive 05 18-02-20 22.09.22	TR03	IMG_1064	57°34.56289098'N	006°23.88081000'W	57.576048	-6.398014	655592.14	6384494.860	Burrowed mud.
20/02/2018	22:14:08	Still Taken	00:04:46	Dive 05 18-02-20 22.09.22	TR03	IMG_1065	57°34.55803943'N	006°23.87164072'W	57.575967	-6.397861	655601.632	6384486.198	Burrowed mud.
20/02/2018	22:14:12	Still Taken	00:04:50	Dive 05 18-02-20 22.09.22	TR03	IMG_1066	57°34.55722010'N	006°23.87001123'W	57.575954	-6.397834	655603.302	6384484.813	Burrowed mud.
20/02/2018	22:15:26	Still Taken	00:06:03	Dive 05 18-02-20 22.09.22	TR03	IMG_1067	57°34.54560329'N	006°23.84217575'W	57.57576	-6.39737	655631.868	6384464.290	Burrowed mud.
20/02/2018	22:15:34	Still Taken	00:06:11	Dive 05 18-02-20 22.09.22	TR03	IMG_1068	57°34.54430664'N	006°23.83916727'W	57.575738	-6.397319	655635.011	6384461.958	Burrowed mud.
20/02/2018	22:15:45	Still Taken	00:06:22	Dive 05 18-02-20 22.09.22	TR03	IMG_1069	57°34.54278584'N	006°23.83546115'W	57.575713	-6.397258	655638.764	6384459.316	Burrowed mud.
20/02/2018	22:16:18	Still Taken	00:06:56	Dive 05 18-02-20 22.09.22	TR03	IMG_1070	57°34.53845804'N	006°23.82484304'W	57.575641	-6.397081	655649.653	6384451.711	Burrowed mud.
20/02/2018	22:16:41	Still Taken	00:07:19	Dive 05 18-02-20 22.09.22	TR03	IMG_1071	57°34.53580354'N	006°23.81694372'W	57.575597	-6.396949	655657.732	6384447.117	Burrowed mud.
20/02/2018	22:17:06	Still Taken	00:07:43	Dive 05 18-02-20 22.09.22	TR03	IMG_1072	57°34.53353108'N	006°23.80994182'W	57.575559	-6.396832	655664.888	6384443.157	Burrowed mud.
20/02/2018	22:17:29	Still Taken	00:08:06	Dive 05 18-02-20 22.09.22	TR03	IMG_1073	57°34.53198220'N	006°23.80450068'W	57.575533	-6.396742	655670.38	6384440.470	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	22:17:54	Still Taken	00:08:32	Dive 05 18-02-20 22.09.22	TR03	IMG_1074	57°34.52965392'N	006°23.79889223'W	57.575494	-6.396648	655676.166	6384436.346	Burrowed mud. P. phosphorea present.
20/02/2018	22:18:03	Still Taken	00:08:40	Dive 05 18-02-20 22.09.22	TR03	IMG_1075	57°34.52840565'N	006°23.79654003'W	57.575473	-6.396609	655678.587	6384434.099	Burrowed mud. P. phosphorea present.
20/02/2018	22:18:15	Still Taken	00:08:53	Dive 05 18-02-20 22.09.22	TR03	IMG_1076	57°34.52579463'N	006°23.79230920'W	57.57543	-6.396538	655683.015	6384429.477	Burrowed mud.
20/02/2018	22:18:50	Still Taken	00:09:27	Dive 05 18-02-20 22.09.22	TR03	IMG_1077	57°34.52109112'N	006°23.78067267'W	57.575352	-6.396345	655694.886	6384421.240	Burrowed mud.
20/02/2018	22:19:46	Still Taken	00:10:24	Dive 05 18-02-20 22.09.22	TR03	IMG_1078	57°34.51525348'N	006°23.76793149'W	57.575254	-6.396132	655708.038	6384410.824	Burrowed mud.
20/02/2018	22:20:09	Still Taken	00:10:46	Dive 05 18-02-20 22.09.22	TR03	IMG_1079	57°34.51185816'N	006°23.76212651'W	57.575198	-6.396035	655714.076	6384404.815	Burrowed mud.
20/02/2018	22:20:35	Still Taken	00:11:13	Dive 05 18-02-20 22.09.22	TR03	IMG_1080	57°34.50774501'N	006°23.75423451'W	57.575129	-6.395904	655722.202	6384397.438	Burrowed mud.
20/02/2018	22:20:58	Still Taken	00:11:36	Dive 05 18-02-20 22.09.22	TR03	IMG_1081	57°34.50505858'N	006°23.74876944'W	57.575084	-6.395813	655727.834	6384392.639	Burrowed mud.
20/02/2018	22:21:37	Still Taken	00:12:15	Dive 05 18-02-20 22.09.22	TR03	IMG_1082	57°34.50104205'N	006°23.74032278'W	57.575017	-6.395672	655736.55	6384385.507	Burrowed mud.
20/02/2018	22:21:51	Still Taken	00:12:29	Dive 05 18-02-20 22.09.22	TR03	IMG_1083	57°34.49959373'N	006°23.73756329'W	57.574993	-6.395626	655739.402	6384382.942	Burrowed mud.
20/02/2018	22:22:21	Still Taken	00:12:58	Dive 05 18-02-20 22.09.22	TR03	IMG_1084	57°34.49573091'N	006°23.73027927'W	57.574929	-6.395505	655746.909	6384376.098	Burrowed mud.
20/02/2018	22:22:33	Still Taken	00:13:11	Dive 05 18-02-20 22.09.22	TR03	IMG_1085	57°34.49391660'N	006°23.72719858'W	57.574899	-6.395453	655750.146	6384372.879	Burrowed mud.
20/02/2018	22:22:45	Still Taken	00:13:23	Dive 05 18-02-20 22.09.22	TR03	IMG_1086	57°34.49209555'N	006°23.72415390'W	57.574868	-6.395403	655753.268	6384369.544	Burrowed mud.
20/02/2018	22:23:02	Still Taken	00:13:39	Dive 05 18-02-20 22.09.22	TR03	IMG_1087	57°34.48980666'N	006°23.72029880'W	57.57483	-6.395338	655757.316	6384365.465	Burrowed mud. P. phosphorea present.
20/02/2018	22:23:29	Still Taken	00:14:07	Dive 05 18-02-20 22.09.22	TR03	IMG_1088	57°34.48481101'N	006°23.71353456'W	57.574747	-6.395226	655764.366	6384356.486	Burrowed mud.
20/02/2018	22:23:58	Still Taken	00:14:35	Dive 05 18-02-20 22.09.22	TR03	IMG_1089	57°34.48179831'N	006°23.70891318'W	57.574697	-6.395149	655769.183	6384351.099	Burrowed mud.
20/02/2018	22:24:01	EOL	00:14:38	Dive 05 18-02-20 22.09.22	TR03	-	57°34.48156105'N	006°23.70853857'W	57.574693	-6.395142	655769.619	6384350.670	-
20/02/2018	22:24:10	Stopped Video [C1]	00:14:47	Dive 05 18-02-20 22.09.22	TR03	-	-	-	-	-	-	-	-
20/02/2018	22:40:26	Started Video [C1]	00:00:00	Dive 06 18-02-20 22.40.25	TR02	-	-	-	-	-	-	-	-
20/02/2018	22:42:30	SOL	00:02:03	Dive 06 18-02-20 22.40.25	TR02	-	57°34.72780573'N	006°24.53773798'W	57.578797	-6.408962	654925.982	6384775.709	-
20/02/2018	22:42:35	Still Taken	00:02:09	Dive 06 18-02-20 22.40.25	TR02	IMG_1092	57°34.72702215'N	006°24.53621494'W	57.578784	-6.408937	654927.532	6384774.319	Burrowed mud.
20/02/2018	22:42:45	Still Taken	00:02:18	Dive 06 18-02-20 22.40.25	TR02	IMG_1093	57°34.72566011'N	006°24.53307814'W	57.578761	-6.408885	654930.738	6384771.879	Burrowed mud.
20/02/2018	22:44:08	Still Taken	00:03:42	Dive 06 18-02-20 22.40.25	TR02	IMG_1094	57°34.70923467'N	006°24.50265127'W	57.578487	-6.408378	654962.209	6384742.547	Burrowed mud.
20/02/2018	22:44:46	Still Taken	00:04:20	Dive 06 18-02-20 22.40.25	TR02	IMG_1095	57°34.70273803'N	006°24.48909055'W	57.578379	-6.408152	654976.178	6384731.045	Burrowed mud.
20/02/2018	22:44:56	Still Taken	00:04:30	Dive 06 18-02-20 22.40.25	TR02	IMG_1096	57°34.70108389'N	006°24.48553076'W	57.578351	-6.408092	654979.884	6384728.066	Burrowed mud.
20/02/2018	22:45:16	Still Taken	00:04:49	Dive 06 18-02-20 22.40.25	TR02	IMG_1097	57°34.69817878'N	006°24.47916751'W	57.578303	-6.407986	654986.424	6384722.967	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	22:45:52	Still Taken	00:05:25	Dive 06 18-02-20 22.40.25	TR02	IMG_1098	57°34.69266032'N	006°24.46734718'W	57.578211	-6.407789	654998.591	6384713.179	Burrowed mud.
20/02/2018	22:46:03	Still Taken	00:05:36	Dive 06 18-02-20 22.40.25	TR02	IMG_1099	57°34.69101428'N	006°24.46401169'W	57.578184	-6.407734	655001.994	6384710.301	Burrowed mud.
20/02/2018	22:46:43	Still Taken	00:06:17	Dive 06 18-02-20 22.40.25	TR02	IMG_1100	57°34.68406412'N	006°24.45085835'W	57.578068	-6.407514	655015.638	6384697.895	Burrowed mud.
20/02/2018	22:47:00	Still Taken	00:06:33	Dive 06 18-02-20 22.40.25	TR02	IMG_1101	57°34.68163501'N	006°24.44676533'W	57.578027	-6.407446	655019.877	6384693.488	Burrowed mud.
20/02/2018	22:47:09	Still Taken	00:06:42	Dive 06 18-02-20 22.40.25	TR02	IMG_1102	57°34.68001525'N	006°24.44420833'W	57.578	-6.407403	655022.563	6384690.582	Black image.
20/02/2018	22:48:34	Still Taken	00:08:07	Dive 06 18-02-20 22.40.25	TR02	IMG_1103	57°34.66655900'N	006°24.41747251'W	57.577776	-6.406958	655050.116	6384666.673	Camera off the seabed.
20/02/2018	22:49:15	Still Taken	00:08:49	Dive 06 18-02-20 22.40.25	TR02	IMG_1104	57°34.65947426'N	006°24.40305500'W	57.577658	-6.406718	655064.965	6384654.090	Burrowed mud.
20/02/2018	22:49:55	Still Taken	00:09:28	Dive 06 18-02-20 22.40.25	TR02	IMG_1105	57°34.65388492'N	006°24.39086669'W	57.577565	-6.406514	655077.555	6384644.208	Burrowed mud.
20/02/2018	22:50:27	Still Taken	00:10:00	Dive 06 18-02-20 22.40.25	TR02	IMG_1106	57°34.65068926'N	006°24.37808746'W	57.577511	-6.406301	655090.518	6384638.686	Burrowed mud.
20/02/2018	22:50:39	Still Taken	00:10:12	Dive 06 18-02-20 22.40.25	TR02	IMG_1107	57°34.64996859'N	006°24.37449837'W	57.577499	-6.406242	655094.095	6384637.485	Burrowed mud.
20/02/2018	22:51:22	Still Taken	00:10:55	Dive 06 18-02-20 22.40.25	TR02	IMG_1108	57°34.64663403'N	006°24.36339685'W	57.577444	-6.406057	655105.388	6384631.788	Burrowed mud.
20/02/2018	22:51:31	Still Taken	00:11:04	Dive 06 18-02-20 22.40.25	TR02	IMG_1109	57°34.64560704'N	006°24.36118397'W	57.577427	-6.40602	655107.673	6384629.981	Burrowed mud.
20/02/2018	22:53:03	Still Taken	00:12:36	Dive 06 18-02-20 22.40.25	TR02	IMG_1110	57°34.63059396'N	006°24.33692295'W	57.577177	-6.405615	655132.947	6384603.087	Burrowed mud.
20/02/2018	22:53:42	Still Taken	00:13:15	Dive 06 18-02-20 22.40.25	TR02	IMG_1111	57°34.62485112'N	006°24.32709202'W	57.577081	-6.405452	655143.099	6384592.778	Burrowed mud.
20/02/2018	22:54:27	Still Taken	00:14:00	Dive 06 18-02-20 22.40.25	TR02	IMG_1112	57°34.61833666'N	006°24.31574384'W	57.576972	-6.405262	655154.921	6384581.083	Burrowed mud.
20/02/2018	22:55:13	Still Taken	00:14:46	Dive 06 18-02-20 22.40.25	TR02	IMG_1113	57°34.61088864'N	006°24.29743320'W	57.576848	-6.404957	655173.681	6384567.982	Burrowed mud.
20/02/2018	22:55:20	Still Taken	00:14:53	Dive 06 18-02-20 22.40.25	TR02	IMG_1114	57°34.60983126'N	006°24.29428563'W	57.576831	-6.404905	655176.862	6384566.209	Burrowed mud.
20/02/2018	22:56:05	Still Taken	00:15:38	Dive 06 18-02-20 22.40.25	TR02	IMG_1115	57°34.60385863'N	006°24.27626062'W	57.576731	-6.404604	655195.281	6384555.770	Burrowed mud.
20/02/2018	22:56:25	Still Taken	00:15:58	Dive 06 18-02-20 22.40.25	TR02	IMG_1116	57°34.60144260'N	006°24.26899416'W	57.576691	-6.404483	655202.685	6384551.596	Burrowed mud.
20/02/2018	22:57:58	Still Taken	00:17:31	Dive 06 18-02-20 22.40.25	TR02	IMG_1117	57°34.58476460'N	006°24.23304831'W	57.576413	-6.403884	655239.677	6384522.031	Burrowed mud.
20/02/2018	22:58:20	Still Taken	00:17:53	Dive 06 18-02-20 22.40.25	TR02	IMG_1118	57°34.58139374'N	006°24.22564151'W	57.576357	-6.403761	655247.268	6384516.081	Burrowed mud.
20/02/2018	22:58:58	Still Taken	00:18:31	Dive 06 18-02-20 22.40.25	TR02	IMG_1119	57°34.57500291'N	006°24.21263916'W	57.57625	-6.403544	655260.696	6384504.671	Burrowed mud.
20/02/2018	22:59:41	Still Taken	00:19:14	Dive 06 18-02-20 22.40.25	TR02	IMG_1120	57°34.56768613'N	006°24.19617811'W	57.576128	-6.40327	655277.595	6384491.722	Burrowed mud.
20/02/2018	23:00:06	Still Taken	00:19:39	Dive 06 18-02-20 22.40.25	TR02	IMG_1121	57°34.56371805'N	006°24.18815425'W	57.576062	-6.403136	655285.887	6384484.684	Burrowed mud.
20/02/2018	23:00:37	Still Taken	00:20:10	Dive 06 18-02-20 22.40.25	TR02	IMG_1122	57°34.55793121'N	006°24.17674396'W	57.575966	-6.402946	655297.654	6384474.437	Burrowed mud.
20/02/2018	23:01:09	Still Taken	00:20:43	Dive 06 18-02-20 22.40.25	TR02	IMG_1123	57°34.55271717'N	006°24.16471438'W	57.575879	-6.402745	655310.041	6384465.215	Burrowed mud.
20/02/2018	23:01:34	Still Taken	00:21:07	Dive 06 18-02-20 22.40.25	TR02	IMG_1124	57°34.54919966'N	006°24.15684795'W	57.57582	-6.402614	655318.123	6384458.950	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	23:02:31	Still Taken	00:22:04	Dive 06 18-02-20 22.40.25	TR02	IMG_1125	57°34.53945388'N	006°24.13555044'W	57.575658	-6.402259	655340.036	6384441.736	Burrowed mud.
20/02/2018	23:03:22	Still Taken	00:22:55	Dive 06 18-02-20 22.40.25	TR02	IMG_1126	57°34.53209612'N	006°24.11594329'W	57.575535	-6.401932	655360.108	6384428.797	Burrowed mud.
20/02/2018	23:03:26	Still Taken	00:23:00	Dive 06 18-02-20 22.40.25	TR02	IMG_1127	57°34.53140450'N	006°24.11418746'W	57.575523	-6.401903	655361.893	6384427.529	Burrowed mud.
20/02/2018	23:03:46	Still Taken	00:23:19	Dive 06 18-02-20 22.40.25	TR02	IMG_1128	57°34.52916831'N	006°24.10862190'W	57.575486	-6.40181	655367.611	6384423.624	Burrowed mud.
20/02/2018	23:04:52	Still Taken	00:24:25	Dive 06 18-02-20 22.40.25	TR02	IMG_1129	57°34.51879088'N	006°24.08842624'W	57.575313	-6.401474	655388.434	6384405.143	Burrowed mud.
20/02/2018	23:05:00	Still Taken	00:24:34	Dive 06 18-02-20 22.40.25	TR02	IMG_1130	57°34.51732288'N	006°24.08530600'W	57.575289	-6.401422	655391.645	6384402.591	Burrowed mud.
20/02/2018	23:05:31	Still Taken	00:25:04	Dive 06 18-02-20 22.40.25	TR02	IMG_1131	57°34.51336327'N	006°24.07612681'W	57.575223	-6.401269	655401.073	6384395.597	Burrowed mud.
20/02/2018	23:05:55	Still Taken	00:25:28	Dive 06 18-02-20 22.40.25	TR02	IMG_1132	57°34.51080051'N	006°24.06995907'W	57.57518	-6.401166	655407.414	6384391.048	Burrowed mud.
20/02/2018	23:06:20	Still Taken	00:25:54	Dive 06 18-02-20 22.40.25	TR02	IMG_1133	57°34.50710583'N	006°24.05978935'W	57.575118	-6.400996	655417.841	6384384.539	Burrowed mud.
20/02/2018	23:06:45	Still Taken	00:26:19	Dive 06 18-02-20 22.40.25	TR02	IMG_1134	57°34.50488322'N	006°24.05052204'W	57.575081	-6.400842	655427.205	6384380.774	Burrowed mud.
20/02/2018	23:07:02	Still Taken	00:26:35	Dive 06 18-02-20 22.40.25	TR02	IMG_1135	57°34.50338227'N	006°24.04559513'W	57.575056	-6.40076	655432.214	6384378.180	Burrowed mud.
20/02/2018	23:08:05	Still Taken	00:27:38	Dive 06 18-02-20 22.40.25	TR02	IMG_1136	57°34.49342113'N	006°24.02427927'W	57.57489	-6.400405	655454.145	6384360.521	Burrowed mud.
20/02/2018	23:08:17	Still Taken	00:27:51	Dive 06 18-02-20 22.40.25	TR02	IMG_1137	57°34.49149432'N	006°24.01949024'W	57.574858	-6.400325	655459.064	6384357.144	Burrowed mud.
20/02/2018	23:09:08	Still Taken	00:28:41	Dive 06 18-02-20 22.40.25	TR02	IMG_1138	57°34.48017097'N	006°24.00107953'W	57.57467	-6.400018	655478.219	6384336.927	Burrowed mud.
20/02/2018	23:09:46	Still Taken	00:29:19	Dive 06 18-02-20 22.40.25	TR02	IMG_1139	57°34.47249205'N	006°23.98317210'W	57.574542	-6.39972	655496.58	6384323.367	Burrowed mud.
20/02/2018	23:09:54	Still Taken	00:29:28	Dive 06 18-02-20 22.40.25	TR02	IMG_1140	57°34.47138582'N	006°23.97958456'W	57.574523	-6.39966	655500.248	6384321.390	Burrowed mud.
20/02/2018	23:09:57	EOL	00:29:31	Dive 06 18-02-20 22.40.25	TR02	-	57°34.47106250'N	006°23.97849986'W	57.574518	-6.399642	655501.345	6384320.875	-
20/02/2018	23:10:02	Stopped Video [C1]	00:29:36	Dive 06 18-02-20 22.40.25	TR02	-	-	-	-	-	-	-	-
20/02/2018	23:26:00	Started Video [C1]	00:00:00	Dive 07 18-02-20 23.25.59	TR01	-	-	-	-	-	-	-	-
20/02/2018	23:28:11	SOL	00:02:11	Dive 07 18-02-20 23.25.59	TR01	-	57°34.58892909'N	006°24.54488140'W	57.576482	-6.409081	654928.709	6384517.830	-
20/02/2018	23:28:17	Still Taken	00:02:17	Dive 07 18-02-20 23.25.59	TR01	IMG_1143	57°34.58890312'N	006°24.54303423'W	57.576482	-6.409051	654930.502	6384517.899	Burrowed mud.
20/02/2018	23:28:28	Still Taken	00:02:28	Dive 07 18-02-20 23.25.59	TR01	IMG_1144	57°34.58799216'N	006°24.53785149'W	57.576467	-6.408964	654935.767	6384516.428	Burrowed mud.
20/02/2018	23:29:28	Still Taken	00:03:28	Dive 07 18-02-20 23.25.59	TR01	IMG_1145	57°34.58018230'N	006°24.51370643'W	57.576336	-6.408562	654960.355	6384502.769	Burrowed mud.
20/02/2018	23:29:45	Still Taken	00:03:45	Dive 07 18-02-20 23.25.59	TR01	IMG_1146	57°34.57749420'N	006°24.50832217'W	57.576292	-6.408472	654965.922	6384498.078	Burrowed mud.
20/02/2018	23:29:54	Still Taken	00:03:54	Dive 07 18-02-20 23.25.59	TR01	IMG_1147	57°34.57612602'N	006°24.50544439'W	57.576269	-6.408424	654968.89	6384495.629	Burrowed mud.
20/02/2018	23:30:10	Still Taken	00:04:09	Dive 07 18-02-20 23.25.59	TR01	IMG_1148	57°34.57419553'N	006°24.50066641'W	57.576237	-6.408344	654973.808	6384492.250	Burrowed mud.

Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	23:31:35	Still Taken	00:05:35	Dive 07 18-02-20 23.25.59	TR01	IMG_1149	57°34.56134835'N	006°24.46720407'W	57.576022	-6.407787	655008.02	6384469.598	Burrowed mud.
20/02/2018	23:32:36	Still Taken	00:06:36	Dive 07 18-02-20 23.25.59	TR01	IMG_1150	57°34.55178447'N	006°24.44378102'W	57.575863	-6.407396	655032.07	6384452.799	Burrowed mud.
20/02/2018	23:32:44	Still Taken	00:06:44	Dive 07 18-02-20 23.25.59	TR01	IMG_1151	57°34.55050858'N	006°24.44095244'W	57.575842	-6.407349	655034.969	6384450.569	Burrowed mud.
20/02/2018	23:33:11	Still Taken	00:07:11	Dive 07 18-02-20 23.25.59	TR01	IMG_1152	57°34.54655165'N	006°24.43174899'W	57.575776	-6.407196	655044.396	6384443.574	Burrowed mud.
20/02/2018	23:34:19	Still Taken	00:08:19	Dive 07 18-02-20 23.25.59	TR01	IMG_1153	57°34.53802547'N	006°24.41427647'W	57.575634	-6.406905	655062.397	6384428.438	Burrowed mud.
20/02/2018	23:34:28	Still Taken	00:08:28	Dive 07 18-02-20 23.25.59	TR01	IMG_1154	57°34.53741655'N	006°24.41113956'W	57.575624	-6.406852	655065.607	6384427.446	Burrowed mud.
20/02/2018	23:35:09	Still Taken	00:09:09	Dive 07 18-02-20 23.25.59	TR01	IMG_1155	57°34.53413242'N	006°24.39526232'W	57.575569	-6.406588	655081.624	6384421.930	Burrowed mud.
20/02/2018	23:35:38	Still Taken	00:09:38	Dive 07 18-02-20 23.25.59	TR01	IMG_1156	57°34.53142865'N	006°24.38406273'W	57.575524	-6.406401	655092.994	6384417.349	Burrowed mud.
20/02/2018	23:35:56	Still Taken	00:09:56	Dive 07 18-02-20 23.25.59	TR01	IMG_1157	57°34.52996360'N	006°24.37832456'W	57.575499	-6.406305	655098.839	6384414.787	Burrowed mud.
20/02/2018	23:36:04	Still Taken	00:10:04	Dive 07 18-02-20 23.25.59	TR01	IMG_1158	57°34.52931489'N	006°24.37579754'W	57.575489	-6.406263	655101.393	6384413.770	Burrowed mud.
20/02/2018	23:36:16	Still Taken	00:10:16	Dive 07 18-02-20 23.25.59	TR01	IMG_1159	57°34.52792566'N	006°24.37182829'W	57.575465	-6.406197	655105.44	6384411.250	Burrowed mud.
20/02/2018	23:36:29	Still Taken	00:10:29	Dive 07 18-02-20 23.25.59	TR01	IMG_1160	57°34.52619525'N	006°24.36733899'W	57.575437	-6.406122	655110.043	6384408.306	Burrowed mud.
20/02/2018	23:37:03	Still Taken	00:11:03	Dive 07 18-02-20 23.25.59	TR01	IMG_1161	57°34.52046532'N	006°24.35382957'W	57.575341	-6.405897	655123.902	6384398.138	Burrowed mud.
20/02/2018	23:37:58	Still Taken	00:11:58	Dive 07 18-02-20 23.25.59	TR01	IMG_1162	57°34.51323414'N	006°24.32999144'W	57.575221	-6.4055	655148.146	6384385.692	Burrowed mud.
20/02/2018	23:38:09	Still Taken	00:12:09	Dive 07 18-02-20 23.25.59	TR01	IMG_1163	57°34.51135389'N	006°24.32629191'W	57.575189	-6.405438	655151.989	6384382.273	Burrowed mud.
20/02/2018	23:38:30	Still Taken	00:12:30	Dive 07 18-02-20 23.25.59	TR01	IMG_1164	57°34.50833783'N	006°24.31911857'W	57.575139	-6.405319	655159.316	6384376.982	Burrowed mud.
20/02/2018	23:39:02	Still Taken	00:13:02	Dive 07 18-02-20 23.25.59	TR01	IMG_1165	57°34.50424785'N	006°24.30611780'W	57.575071	-6.405102	655172.578	6384369.911	Burrowed mud.
20/02/2018	23:39:16	Still Taken	00:13:16	Dive 07 18-02-20 23.25.59	TR01	IMG_1166	57°34.50225352'N	006°24.30105959'W	57.575038	-6.405018	655177.74	6384366.431	Burrowed mud.
20/02/2018	23:39:40	Still Taken	00:13:40	Dive 07 18-02-20 23.25.59	TR01	IMG_1167	57°34.49815053'N	006°24.29440045'W	57.574969	-6.404907	655184.67	6384359.007	Burrowed mud.
20/02/2018	23:39:54	Still Taken	00:13:54	Dive 07 18-02-20 23.25.59	TR01	IMG_1168	57°34.49396149'N	006°24.29001432'W	57.574899	-6.404834	655189.332	6384351.384	Burrowed mud.
20/02/2018	23:41:10	Still Taken	00:15:10	Dive 07 18-02-20 23.25.59	TR01	IMG_1169	57°34.48138695'N	006°24.25679443'W	57.57469	-6.40428	655223.341	6384329.395	Burrowed mud.
20/02/2018	23:41:26	Still Taken	00:15:26	Dive 07 18-02-20 23.25.59	TR01	IMG_1170	57°34.47839257'N	006°24.25118269'W	57.57464	-6.404186	655229.173	6384324.046	Burrowed mud.
20/02/2018	23:41:37	Still Taken	00:15:37	Dive 07 18-02-20 23.25.59	TR01	IMG_1171	57°34.47633201'N	006°24.24727829'W	57.574606	-6.404121	655233.204	6384320.411	Burrowed mud.
20/02/2018	23:42:14	Still Taken	00:16:14	Dive 07 18-02-20 23.25.59	TR01	IMG_1172	57°34.47067059'N	006°24.23092657'W	57.574511	-6.403849	655249.87	6384310.462	Burrowed mud.
20/02/2018	23:42:21	Still Taken	00:16:21	Dive 07 18-02-20 23.25.59	TR01	IMG_1173	57°34.46981220'N	006°24.22759810'W	57.574497	-6.403793	655253.277	6384309.032	Burrowed mud.
20/02/2018	23:42:25	EOL	00:16:25	Dive 07 18-02-20 23.25.59	TR01	-	57°34.46940968'N	006°24.22571746'W	57.57449	-6.403762	655255.16	6384308.324	-

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Date	Time	Event	Video Time	Video File	Station	Image No.	Latitude (DDM)	Longitude (DDM)	Latitude (DD)	Longitude (DD)	Easting	Northing	Notes
20/02/2018	23:42:36	Stopped Video [C1]	00:16:36	Dive 07 18-02-20 23.25.59	TR01	-	-	-	-	-	-	-	-

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