



VEMENTRY EIAR

VISUAL BASELINE SURVEY REPORT 2025

APPENDIX 7

1. Introduction

This baseline visual survey report has been prepared by Cooke Aquaculture Scotland (CAS) in support of a SEPA CAR Licence application for a proposed marine fish farm in Swarbacks Minn waterbody (Water Framework Directive ref: SH22), Shetland; Vementry. The visual survey was completed on the 29th and 30th of May 2025 at the proposed location by CAS. The survey followed the procedure as per the methods outlined in SEPA's Aquaculture Manual (Baseline Survey, Visual – Standard).

Video footage collected during the survey was analysed to describe and characterise the baseline benthic environment present within the proposed area. This report also identifies any habitats or species of recognised conservation importance observed during the survey.

2. Survey Methodology

2.1 Survey Design

The visual transects for the proposed Vementry site were determined using outputs from a particle tracking model and guidance stated in the Baseline Survey & Seabed and Quality Monitoring Plan Design (SEPA, 2019). Five survey transects were carried out – two of approximately 1km in length, oriented Northwest-Southeast roughly along the farm's proposed axis, and three perpendicular transects of 600m length, oriented Southwest-Northeast. These transects cover the majority of the proposed moorings containment area. This provides a comprehensive approach that catalogues the benthic environment in the immediate area beneath the proposed farm, whilst also extending well beyond any likely impacted area. Transects were agreed in advance of the survey in consultation with SEPA and NatureScot. Planned survey transects are detailed in Table 2.1 and Figure 2.1. Actual survey transects are shown in Figure 2.1 and Table 2.2.

Table 2.1. The planned visual benthic survey transects at the proposed Vementry site.

Transect	Start		End	
	Easting (OSGB)	Northing (OSGB)	Easting (OSGB)	Northing (OSGB)
T1	429801	1161642	430736	1161233
T2	429898	1161865	430833	1161457
T3	430430	1161166	430664	1161707
T4	430195	1161268	430430	1161809
T5	429961	1161369	430196	1161910

Table 2.2. The actual visual benthic survey transects at the proposed East Moclett site.

Transect	Start		End	
	Easting (OSGB)	Northing (OSGB)	Easting (OSGB)	Northing (OSGB)
T1	429830	1161627	430733	1161242
T2	429906	1161863	430835	1161464
T3	430434	1161222	430650	1161716
T4	430188	1161296	430423	1161794
T5	429961	1161421	430189	1161917

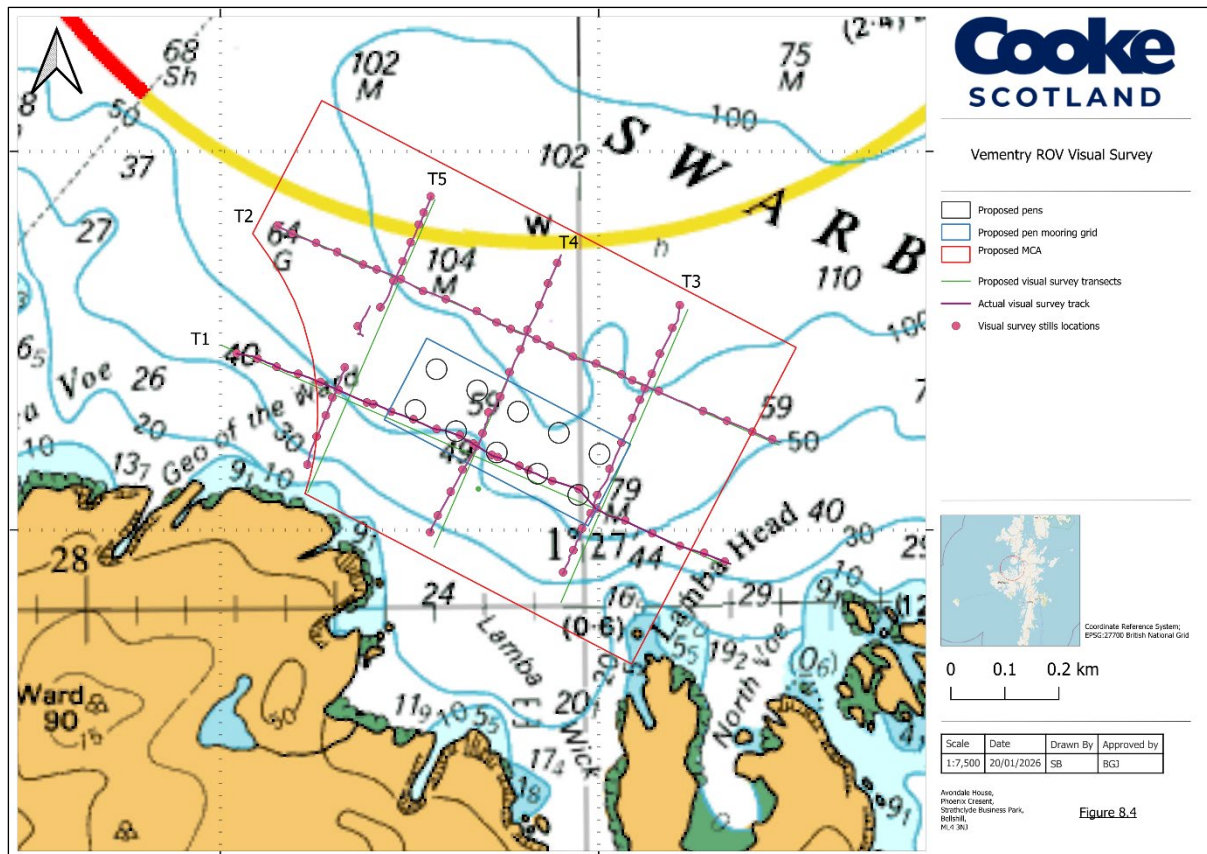


Figure 2.1. The proposed and actual visual benthic survey transects at the proposed Vementry site.

2.2 Survey Analysis and Interpretation

Survey video footage was reviewed by CAS to characterise the seabed and identify associated benthic biota within the survey area. The Marine Nature Conservation Review SACFOR abundance scale was used to quantify any species found on the footage (Hiscock, 1996). Biotope types were identified and classified according to the JNCC Marine Habitat Classification for Britain and Ireland (JNCC, 2015).

3. Survey observations

3.1 Seabed characteristics

The substrate varies greatly across the survey area, from rocks to stony areas, coarse sand/shell debris with stones, coarse sand/shell debris, fine sand mixed with shell fragment gravel, and fine sand with burrows. The area depth also varied substantially from 24.3m nearest to the shore to 106.6m towards the middle of the channel.

3.2 Biota

By far the most dominant feature in the footage and images is the abundant algae spp. settled on the seabed throughout the whole survey area, which made identification of the benthic species present challenging.

Fish species observed include dogfish (*Squalidae spp.*), poor cod (*Trisopterus minutus*), sand goby (*Pomatoschistus minutus*) and thornback ray (*Raja clavata*) alongside other smaller, unidentified fish species.

Rocky and coarse-sedimented areas featured an abundance of squat lobsters (*Munida rugosa*), king scallops (*Pecten maximus*) and sea urchins (*Echinus esculentus*).

The fine sand areas were frequently shown to have lug worm casts (*Arenicola marina*) and other burrows, and in lower frequencies octopus (possibly *Eledone cirrhosa*), anemones (*Ceriantharia spp.*) and sea pens (possibly *Virgularia mirabilis*) were observed.

Seaweed fragments were present in many of the images, all of which appeared to have been washed down from the shore and in a state of decay – the presence of *Beggiatoa* growing on the seaweed was noted at several locations. Species presence was moderate to sparse across all transects with identifiable relationships between benthos type and species.

Footage photos can be found in Appendix 2. The locations of these captures are shown in Figure 2.2 and detailed in Appendix 1, which also contains details of the biota descriptions for each photo.

4. Description of Biotopes

The seabed sediments across the survey area were highly variable. All seafloor habitats known in UK waters are classified into biotopes (JNCC, 2015). The survey area displayed characteristics of the following biotope types as described below:

Echinoderms and crustose communities (CR.MCR.EcCr)

Wave-exposed, moderately strong tide-swept bedrock and boulders are shown throughout the survey consistent with the biotope CR.MCR.EcCr. Large boulders and rocks were seen in all but one transect with sea urchins (*Echinus esculentus*) and red encrusting algae consistent with the sub-biotope CR.MCR.EcCr.FaAlCr.

Circalittoral mixed sediment (SS.SMx.CMx)

A mixed sediment habitat is frequently observed throughout the survey, particularly very poorly sorted mosaics of shell, cobbles and pebbles. This is consistent with the biotope SS.SMx.CMx. This biotope tended to fall between the rocky areas at the shore side of each transect and the more homogenous coarse sediment areas further offshore.

Circalittoral coarse sediment (SS.SCS.CCS)

Areas of largely homogenous coarse shell-fragment sediment were common throughout the survey. These areas were dominant between the mixed sediment and finer sediment areas found towards the middle of the channel.

Sublittoral sands and muddy sands (SS.SSa)

Fine sands were found in the deeper waters towards the middle of the channel, often with burrows and mounds visible. Occasionally shell fragments and small stones were scattered on the sediment surface so could be assigned to the sublittoral mixed sediment biotope, but the overall appearance of the seabed was relatively homogenous sand.

References

Hiscock, K. (1996) Marine Nature Conservation Review: Rationale and methods. Coasts and seas of the United Kingdom. MNCR series. JNCC [online].

JNCC (2015) The Marine Habitat Classification for Britain and Ireland Version 15.03. Available from: <https://mhc.jncc.gov.uk/>

Appendix 1

Table 3 describes the location, substrate and biota for each image shown in Appendix 2. The SACFOR scale of abundance (S = Superabundant, A = Abundant, C = Common, F = Frequent, O = Occasional, R = Rare) has been used to estimate abundance of individuals observed (JNSS, 2015) and their corresponding percentage cover.

Table 3. Descriptions of images taken from the visual survey at the proposed Vementry site.

Image	Easting	Northing	Depth (m)	Substrate	Biota	SACFOR	% cover
T1 – 1	429830	1161627	39.5	Rock	Sea urchins (<i>Echinus esculentus</i>)	F	<1%
T1 – 2	429869	1161617	43.5	Rock	Sea urchins (<i>Echinus esculentus</i>)	O	<1%
					Rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
					Red encrusting algae	A	20%
T1 – 3	429904	1161602	47.7	Coarse shell gravel	Rugose squat lobster (<i>Munida rugosa</i>)	F	<1%
					Unspecified anemone	O	<1%
					King scallops (<i>Pecten maximus</i>)	O	<1%
					Algae	A	10%
T1 – 4	429944	1161589	48.2	Coarse mixed shell gravel and stones	King scallop (<i>Pecten maximus</i>) shell	O	<1%
					Sand mason worm (<i>Lanice conchilega</i>)	O	<1%

					Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Algae	A	10%
T1 – 5	429985	1161574	48.8	Coarse mixed shell gravel and stones	Rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
					King scallop (<i>Pecten maximus</i>)	O	<1%
					Cushion star (<i>Porania pulvillus</i>)	O	<1%
					Anemone (<i>Ceriantharia spp.</i>) tubes	O	<1%
					Algae	A	15%
T1 – 6	430019	1161559	48.9	Coarse mixed shell gravel and stones	King scallop (<i>Pecten maximus</i>)	O	<1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Dogfish (<i>Squalidae spp.</i>)	O	<1%
					Algae	A	10%
T1 – 7	430071	1161536	47.4	Coarse mixed shell gravel and stones	King scallop (<i>Pecten maximus</i>)	O	<1%
					Dogfish (<i>Squalidae spp.</i>)	O	<1%
					Anemone (<i>Ceriantharia spp.</i>) tubes	O	<1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Algae	A	10%
T1 – 8	430083	1161533	46.5	Rock	Sea urchins (<i>Echinus esculentus</i>)	O	<1%

					Rugose squat lobster (<i>Munida rugosa</i>)	F	<1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	F	<5%
T1 – 9	430116	1161519	44.6	Rock	Rugose squat lobster (<i>Munida rugosa</i>)	F	<1%
					Cushion stars (<i>Porania pulvillus</i>)	O	<1%
					Sea urchins (<i>Echinus esculentus</i>)	F	<1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	F	<5%
T1 – 10	430157	1161505	44.7	Rock	Rugose squat lobster (<i>Munida rugosa</i>)	F	<1%
					Sea urchins (<i>Echinus esculentus</i>)	F	<1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	F	<5%
T1 – 11	430200	1161487	46.2	Coarse mixed shell gravel and stones	Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
					Cushion star (<i>Porania pulvillus</i>)	O	<1%
					Algae	A	25%
T1 – 12	430243	1161476	48.8	Coarse mixed shell gravel and stones	Octopus (possibly <i>Eledone cirrhosa</i>)	O	<1%
					King scallop (<i>Pecten maximus</i>)	O	<1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Algae	A	10%

T1 – 13	430268	1161460	48.8	Coarse mixed shell gravel and stones	Algae	A	10%
T1 – 14	430302	1161439	50.5	Fine sand	Octopus (possibly <i>Eledone cirrhosa</i>)	O	<1%
					Rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
					Sand mason worm (<i>Lanice conchilega</i>)	O	<1%
					Possible ribbon worm proboscis (<i>Nemertea</i>)	O	<1%
					Algae	A	5%
T1 – 15	430313	1161435	52.1	Fine sand	Thornback ray (<i>Raja clavata</i>)	O	<1%
					Algae	A	5%
T1 – 16	430353	1161419	58	Fine sand	Poor cod (<i>Trisopterus minutus</i>)	O	<1%
					Anemone (<i>Cerianthus lloydii</i>)	O	<1%
					Algae	A	10%
					Seaweed fragments	F	<5%
T1 – 17	430370	1161411	61	Fine sand	Seaweed fragments	O	<5%
					Algae	A	20%
					Razorshell (<i>Ensis</i> spp.) shell	O	<1%
T1 – 18	430414	1161391	63.4	Coarse mixed shell gravel and stones	Anemone (<i>Ceriantharia</i> spp.) tubes	O	<1%
					Seaweed fragments	F	<5%

					Unspecified fish (possibly <i>Trisopterus minutus</i>)	O	<1%
					Algae	A	60%
T1 – 19	430463	1161376	55.7	Coarse mixed shell gravel and stones	Seaweed fragments	F	<5%
					Algae	A	10%
					Rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
T1 – 20	430496	1161340	65.8	Fine sand	Rugose squat lobster (<i>Munida rugosa</i>)	O	<1
					Lugworm (<i>Ariencola marina</i>) casts	O	<1
					Burrows	O	<1
					Algae	A	60^
T1 – 21	430549	1161318	56.5	Coarse shell gravel	Scallop (<i>Pectinaria</i>) shell fragment	O	<1%
					Possible rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
					Algae	A	15%
T1 – 22	430599	1161294	44	Coarse mixed shell gravel and stones	Possible <i>Beggiatoa</i>	O	<1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Algae	A	5%
					Possible anemone (<i>Cerianthus lloydii</i>)		
T1 – 23	430650	1161271	32.5	Rock	Tubeworm (<i>Spirobranchus triqueter</i>) casts	F	<1%

					Rugose squat lobster (<i>Munida rugosa</i>)	F	<1%
					Brittle stars (<i>Ophiuroidea</i> spp.)	O	<1%
					Seaweed fragments	O	<1%
					Unspecified clam shells	F	5%
T1 – 24	430695	1161258	27.4	Rock	Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Rugose squat lobster (<i>Munida rugosa</i>)	F	<1%
					Brittle stars (<i>Ophiuroidea</i> spp.)	O	<1%
					Seaweed fragments	O	<1%
T1 – 25	430733	1161242	26	Rock	Rugose squat lobster (<i>Munida rugosa</i>)	F	<1%
					Sea urchins (<i>Echinus esculentus</i>)	F	<1%
					Starfish (possibly <i>Asterias rubens</i>)	O	<1%

T2 – 1	429906	1161863	72.2	Coarse shell gravel	Hermit crab (<i>Pagurus bernhardus</i>)	O	<1%
					Dogfish (<i>Squalidae</i> spp.)	O	<1%
					Possible king scallop (<i>Pecten maximus</i>)	O	<1%
					Algae	A	40%

					Seaweed fragment	O	<1%
T2 – 2	429933	1161848	77	Coarse shell gravel	Possible sand goby (<i>Pomatoschistus minutus</i>)	O	<1%
					Sand mason worm (<i>Lanice conchilega</i>)	O	<1%
					Algae	A	40%
T2 – 3	429977	1161831	82	Coarse shell gravel	Sand goby (<i>Pomatoschistus minutus</i>)	O	<1%
					Algae	A	
T2 – 4	430016	1161814	86.7	Fine sand	Algae	A	90%
					Seaweed fragments	O	<10%
					Burrow entrance – unknown animal	O	<1
T2 – 5	430064	1161791	85.1	Fine sand	Lugworm (<i>Ariecola marina</i>) casts	F	<1%
					Burrows	A	20%
					Algae	A	30%
T2 – 6	430089	1161782	88.2	Fine sand	Lugworm (<i>Ariecola marina</i>) casts	O	<1%
					Burrows	F	10%
					Algae	A	40%
					Burrowing bivalves	O	<1%
T2 – 7	430134	1161764	93.8	Fine sand	Fish (possibly gurnard)	O	<1%

					Burrows	F	10%
					Algae	A	75%
					Anemone (Cnidaria spp.)	O	<1%
T2 – 8	430175	1161742	95.5	Fine sand	Brittle star (Ophiuroidea spp.)	O	<1%
					Seaweed fragments	O	<1%
					Beggiatoa	O	<1%
					Algae	A	75%
T2 – 9	430217	1161727	95.5	Fine sand	Lugworm (<i>Ariencola marina</i>) casts	F	<1%
					Serpent star (<i>Ophiura ophiura</i>)	O	<1%
					Anemones (Cnidaria spp.)	F	<1%
					Seaweed fragment	O	<1%
					Burrows	F	10%
					Algae	A	75%
T2 – 10	430274	1161705	105.9	Fine sand	Possible Beggiatoa	O	<1%
					Burrows	O	5%
					Algae	S	95%
T2 – 11	430311	1161684	105.7	Fine sand	Burrows	O	5%

					Burrowing bivalves	O	<1%
					Algae	S	95%
T2 – 12	430337	1161672	105.8	Fine sand	Burrows	F	10%
					Unidentified red animal	R	<1%
					Algae	A	75%
T2 – 13	430385	1161653	105.2	Fine sand	Burrows	F	5%
					Algae	A	80%
					Unidentified fish	O	<1%
T2 – 14	430410	1161641	104.9	Fine sand	Seaweed fragments	A	30%
					Beggiatoa	F	15%
					Possible rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
					Possible snail egg sand collars	O	<1%
					Algae	A	50%
T2 – 15	430452	1161621	103.9	Fine sand	Octopus (possibly <i>Eledone cirrhosa</i>)	O	<5%
					Algae	A	20%
					Possible worm/worm cast	O	<1%
T2 – 16	430495	1161608	102.1	Fine sand	Sea urchin (<i>Echinus esculentus</i>)	O	<1%

					Seaweed fragments	O	5%
					Burrows	F	<5%
					Algae	C	15%
T2 – 17	430542	1161588	100.1	Fine sand	Seaweed fragments	F	30%
					Beggiatoa	O	<5%
					Anemone (Ceriantharia spp.)	O	<1%
					Burrows	F	5%
					Algae	F	10%
T2 – 18	430562	1161577	98.7	Fine sand	Rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
					Brittle stars (<i>Ophiuroidea</i> spp.)	O	<1%
					Seaweed fragments	O	<1%
					Beggiatoa	O	<1%
					Anemones (Ceriantharia spp.)	O	<1%
					Possible ribbon worm proboscis (<i>Nemertea</i>)	R	<1%
					Algae	A	~25%
T2 – 19	430611	1161557	94.1	Fine sand	Seaweed fragments	F	5%
					Rugose squat lobster (<i>Munida rugosa</i>)	F	<1%

					Serpent star (<i>Ophiura ophiura</i>)	O	<1%
					Beggiatoa	O	<1%
					Five-armed Luidia (<i>Luidia sarsi</i>)	O	1%
					Possible ribbon worm proboscis (<i>Nemertea</i>)	O	<1%
					Possible marine snails (<i>Gastropoda</i>)	O	<1%
					Algae	A	15%
T2 – 20	430693	1161520	62.6	Coarse shell gravel	Algae	A	15%
T2 – 21	430737	1161502	54.7	Rock	Rugose squat lobster (<i>Munida rugosa</i>)	F	<1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	F	<1%
					Seaweed fragments	O	<5%
					Red encrusting algae	F	5%
					Algae	A	10%
T2 – 22	430784	1161482	50.3	Rock	Rugose squat lobster (<i>Munida rugosa</i>)	F	1%
					King scallop (<i>Pecten maximus</i>) shells	F	5%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	F	<1%
					Sea pens (possibly <i>Virgularia mirabilis</i>)	O	<1%
					Algae	F	5%

T2 – 23	430821	1161468	42.9	Rock	Rugose squat lobster (<i>Munida rugosa</i>)	F	1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	A	<1%
					Five-armed Luidia (<i>Luidia sarsi</i>)	O	<1%
					Red encrusting algae	F	5%
					Algae	F	5%

T3 – 1	430434	1161222	34.4	Coarse shell gravel	Seaweed fragments	O	<5%
					King scallop (<i>Pecten maximus</i>)	O	<1%
					Algae	F	<5%
T3 – 2	430453	1161263	47	Coarse shell gravel	Seaweed fragments	C	10%
					Algae	A	20%
					Rugose squat lobster (<i>Munida rugosa</i>)	O	<15
T3 – 3	430469	1161303	52	Coarse mixed shell gravel and stones	Algae	A	25%
					Seaweed fragments	O	<1%
T3 – 4	430485	1161331	65.4	Fine sand	Octopus (possibly <i>Eledone cirrhosa</i>)	O	1%

					Seaweed fragments	O	1%
					Algae	A	75%
					Burrow	O	1%
T3 – 5	430497	1161365	76	Fine sand	Lugworm (<i>Ariencola marina</i>) casts	O	<1%
					Burrow	O	<15
					Algae	A	75%
T3 – 6	430520	1161413	84.2	Fine sand	Serpent star (<i>Ophiura ophiura</i>)	O	<1%
					Seaweed fragment	O	<1%
					Beggiatoa	O	<1%
					Sea urchin (<i>Echinus esculentus</i>)	O	<15
					Algae	A	50%
T3 – 7	430542	1161462	87.9	Fine sand	Seaweed fragments	O	<1%
					Possible ribbon worm proboscis (<i>Nemertea</i>)	O	<1%
					Algae	A	
T3 – 8	430562	1161507	93	Fine sand	Serpent star (<i>Ophiura ophiura</i>)	O	<1%
					Anemones (<i>Ceriantharia</i> spp.)	O	<1%
					Algae	A	50%

T3 – 9	430576	1161541	97.2	Fine sand	Burrows	C	10%
					Seaweed fragment	O	<5%
					Possible hermit crab (<i>Pagurus bernhardus</i>)	O	<1%
					Algae	A	25%
T3 – 10	430585	1161562	99.5	Fine sand	Seaweed fragments	O	<1%
					Burrows	A	30%
					Sea pen	O	<1%
					Rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
					Beggiatoa	O	<1%
					Lugworm (<i>Ariencola marina</i>) casts	O	<1%
					Algae	A	10%
T3 – 11	430598	1161589	101.8	Fine sand	Serpent stars (<i>Ophiura ophiura</i>)	F	5%
					Burrows	A	10%
					Sand goby (<i>Pomatoschistus minutus</i>)	O	<1%
					Possible snail egg 'sand collar'	O	<1%
					Algae	A	10%
T3 – 12	430613	1161626	104.5	Fine sand	Burrows	A	30%

					Algae	A	15%
T3 – 13	430636	1161674	106.2	Fine sand	Five-armed Luidia (<i>Luidia sarsi</i>)	O	1%
					Burrows	C	20%
					Algae	A	15%
T3 – 14	430650	1161716	106.3	Fine sand	Serpent star (<i>Ophiura ophiura</i>)	O	<1%
					Burrows	F	10%
					Fish – gurnard or sand goby	O	<15
					Algae	A	15%

T4-1	430188	1161296	31.1	Rock	Brittle stars (<i>Ophiuroidea spp.</i>)	C	1%
					King scallop (<i>Pecten maximus</i>) shell	O	1%
					Unspecified clam shells	A	5%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	F	<1%
					Seaweed fragments	F	1%
					Encrusting red algae	A	5%

					Algae	A	5%
T4-2	430202	1161327	34.8	Coarse mixed shell gravel and stones	King scallop (<i>Pecten maximus</i>)	O	1%
					Unspecified clam shells	F	<5%
					Algae	A	5%
T4-3	430226	1161371	41.8	Coarse mixed shell gravel and stones	Unspecified clam shells	O	1%
					Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Algae	A	5%
T4-4	430248	1161412	49.9	Coarse mixed shell gravel and stones	Seaweed fragments	O	1%
					Dogfish (<i>Squalidae</i> spp.)	O	1%
					Algae	A	10%
T4-5	430273	1161455	58.8	Coarse shell gravel	Dogfish (<i>Squalidae</i> spp.)	O	1%
					Algae	A	50%
T4-6	430285	1161479	67.1	Coarse shell gravel	Seaweed fragment	O	<1%
					Algae	A	20%
T4-7	430296	1161518	81	Coarse shell gravel	Seaweed fragment	O	1%
					Algae	A	50%
T4-8	430318	1161547	95.5	Fine sand	Possible anemone	O	<1%

					Anemone tubes or snail egg sand collars	O	<1%
					Burrows	O	1%
					Algae	A	15%
T4-9	430335	1161592	102.8	Fine sand	Octopus (possibly <i>Eledone cirrhosa</i>)	O	1%
					Burrows	A	15%
					Algae	A	15%
T4-10	430355	1161634	105.1	Fine sand	Seaweed fragments	O	1%
					Burrows	F	5%
					Algae	A	75%
T4-11	430368	1161670	105.9	Fine sand	Brittle stars (<i>Ophiuroidea</i> spp.)	O	<1%
					Dogfish (<i>Squalidae</i> spp.)	O	<1%
					Anemone tubes or snail egg sand collars	O	<1%
					Burrows	F	10%
					Algae	A	15%
T4-12	430390	1161716	106.1	Fine sand	Burrows	F	5%
					Possible sand goby (<i>Pomatoschistus minutus</i>)	O	<1%
					Algae	A	10%

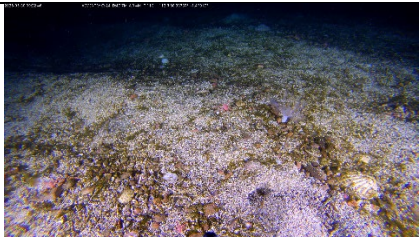
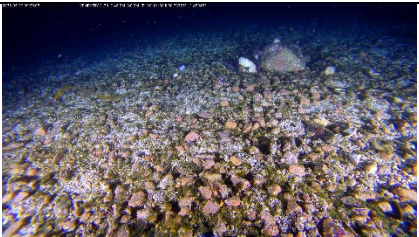
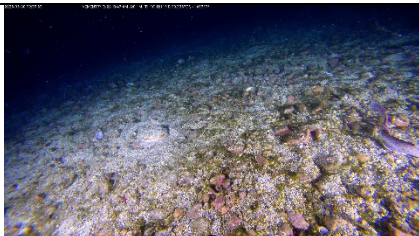
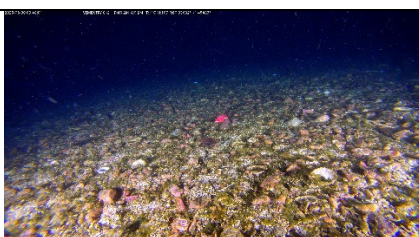
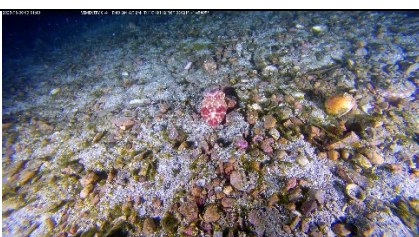
T4-13	430406	1161756	106.6	Fine sand	Snail egg sand collar	O	<1%
					Seaweed fragments	O	<1%
					Burrows	O	<5%
					Algae	A	20%
T4-14	430423	1161794	106.2	Fine sand	Burrows	A	30%
					Algae	F	10%

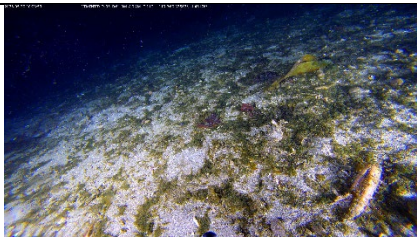
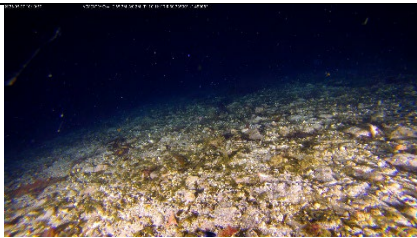
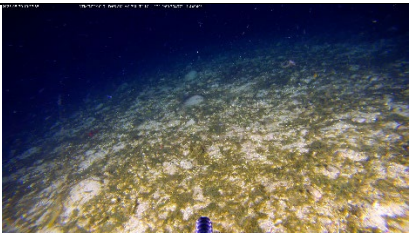
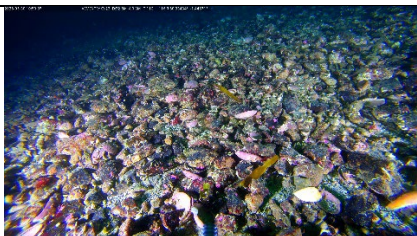
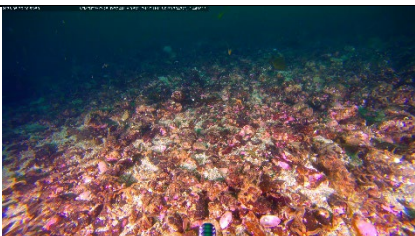
T5-1	429961	1161421	24.3	Rock	Sea urchins (<i>Echinus esculentus</i>)	F	1%
					Seaweed fragment	O	1%
					Red encrusting algae	A	10%
T5-2	429978	1161473	42.2	Coarse mixed shell gravel and stones	Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Rugose squat lobster (<i>Munida rugosa</i>)	O	<1%
					Algae	A	10%
T5-3	429995	1161512	47	Coarse mixed shell gravel and stones	Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Algae	A	10%

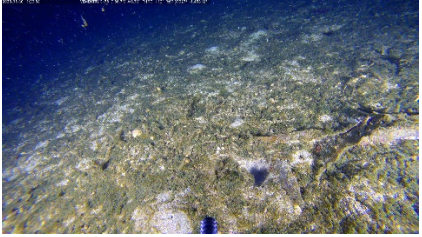
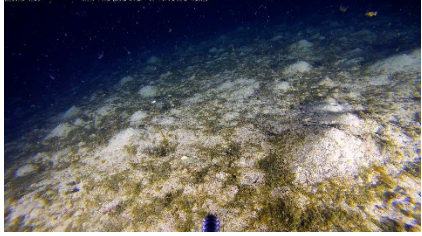
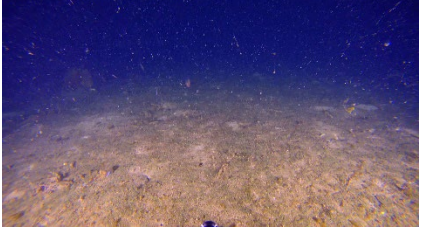
T5-4	430007	1161545	50.1	Coarse mixed shell gravel and stones	Tubeworm (<i>Spirobranchus triqueter</i>) casts	O	<1%
					Algae	A	10%
T5-5	430030	1161601	57	Coarse shell gravel	Hermit crab (<i>Pagurus bernhardus</i>)	O	<1%
					Cushion star (<i>Porania pulvillus</i>)	O	<1%
					Algae	A	15%
T5-6	430054	1161677	71.5	Coarse shell gravel	Algae	A	25%
T5-7	430096	1161712	90.3	Fine sand	Burrows	F	10%
					Seaweed fragment	O	<1%
					Algae	A	20%
					Lugworm (<i>Ariencola marina</i>) casts	F	1%
T5-8	430120	1161761	99.8	Fine sand	Unidentified fish	O	<1%
					Burrows	C	15%
					Algae	A	10%
T5-9	430137	1161797	103.7	Fine sand	Burrows	O	5%
					Algae	A	15%
T5-10	430152	1161832	104.2	Fine sand	Five-armed Luidia (<i>Luidia sarsi</i>)	O	<1%
					Burrows	F	<5%

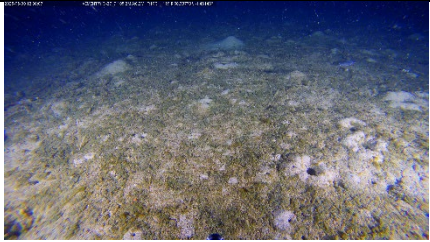
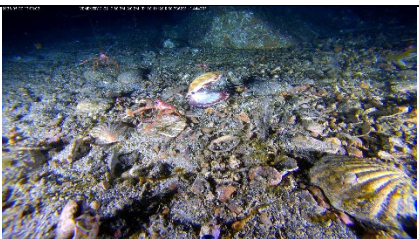
					Algae	A	15%
T5-11	430167	1161865	104.6	Fine sand	Thornback ray (<i>Raja clavata</i>)	O	10%
					Dogfish (<i>Squalidae</i> spp.)	O	<1%
					Possible snail egg sand collar	O	<1%
					Burrows	F	5%
					Lugworm (<i>Ariencola marina</i>) casts	O	<1%
					Algae	A	10%
T5-12	430176	1161887	104.7	Fine sand	Burrows	F	10%
					Seaweed fragments	O	<1%
					Lugworm (<i>Ariencola marina</i>) casts	O	<1%
					Unidentified fish – possibly an eel species	O	<1%
					Algae	A	15%
T5-13	430189	1161917	105.4	Fine sand	Burrows	F	10%
					Seaweed fragments	O	<1%
					Possible whelks (<i>Buccinum undatum</i>)	O	<1%
					Algae	A	15%

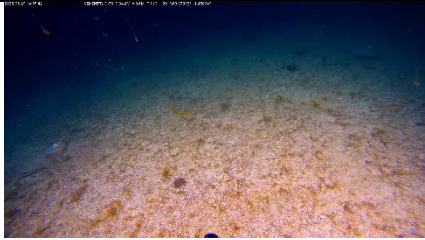
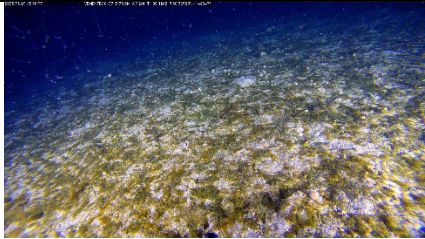
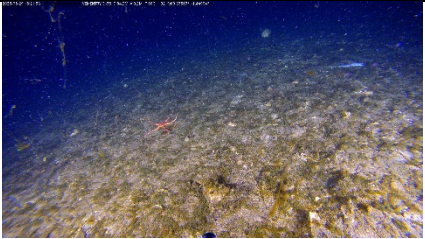
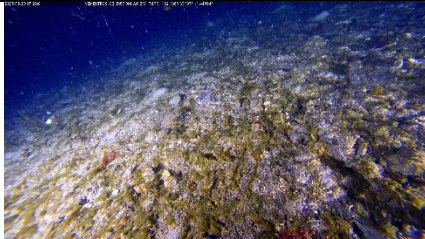
Appendix 2

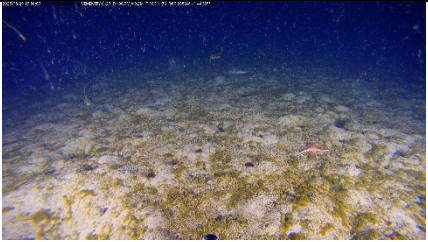
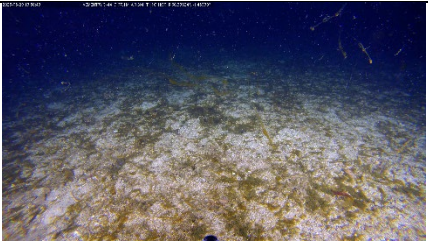
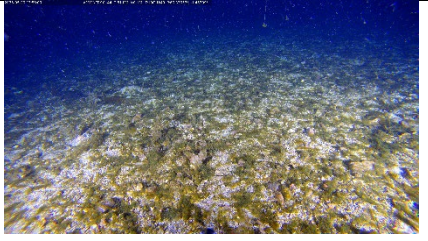
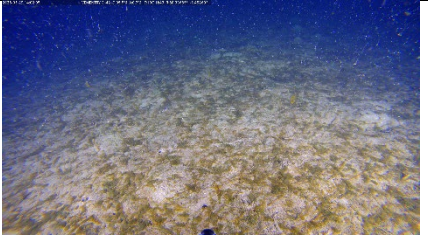
T1-1		T1-2	
T1-3		T1-4	
T1-5		T1-6	
T1-7		T1-8	
T1-9		T1-10	
T1-11		T1-12	

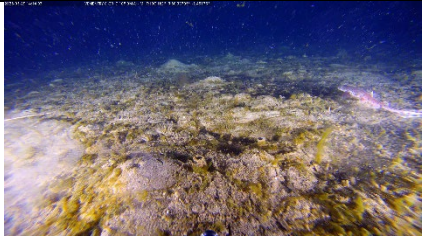
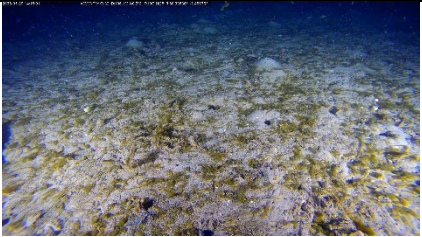
T1-13		T1-14	
T1-15		T1-16	
T1-17		T1-18	
T1-19		T1-20	
T1-21		T1-22	
T1-23		T1-24	
T1-25			

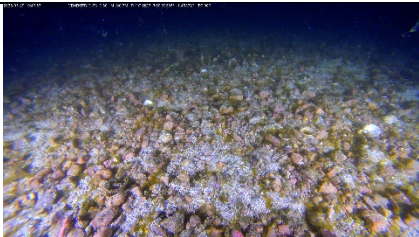
T2-1		T2-2	
T2-3		T2-4	
T2-5		T2-6	
T2-7		T2-8	
T2-9		T2-10	
T2-11		T2-12	

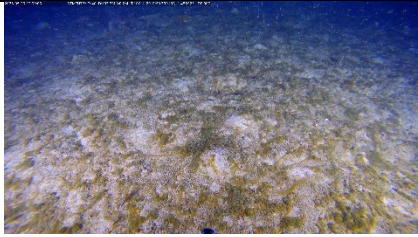
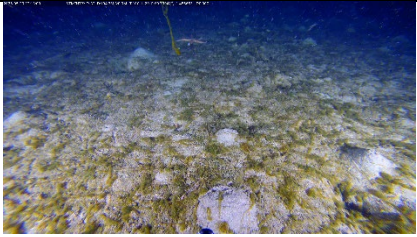
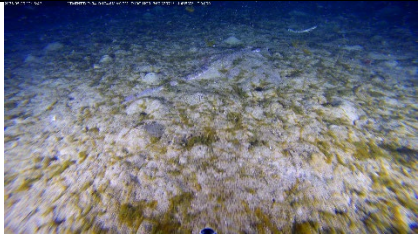
T2-13		T2-14	
T2-15		T2-16	
T2-17		T2-18	
T2-19		T2-20	
T2-21		T2-22	
T2-23			

T3-1		T3-2	
T3-3		T3-4	
T3-5		T3-6	
T3-7		T3-8	
T3-9		T3-10	
T3-11		T3-12	

T3-13		T3-14	
T4-1		T4-2	
T4-3		T4-4	
T4-5		T4-6	
T4-7		T4-8	
T4-9		T4-10	

T4-11		T4-12	
T4-13		T4-14	

T5-1		T5-2	
T5-3		T5-4	
T5-5		T5-6	
T5-7		T5-8	

T5-9		T5-10	
T5-11		T5-12	
T5-13	