

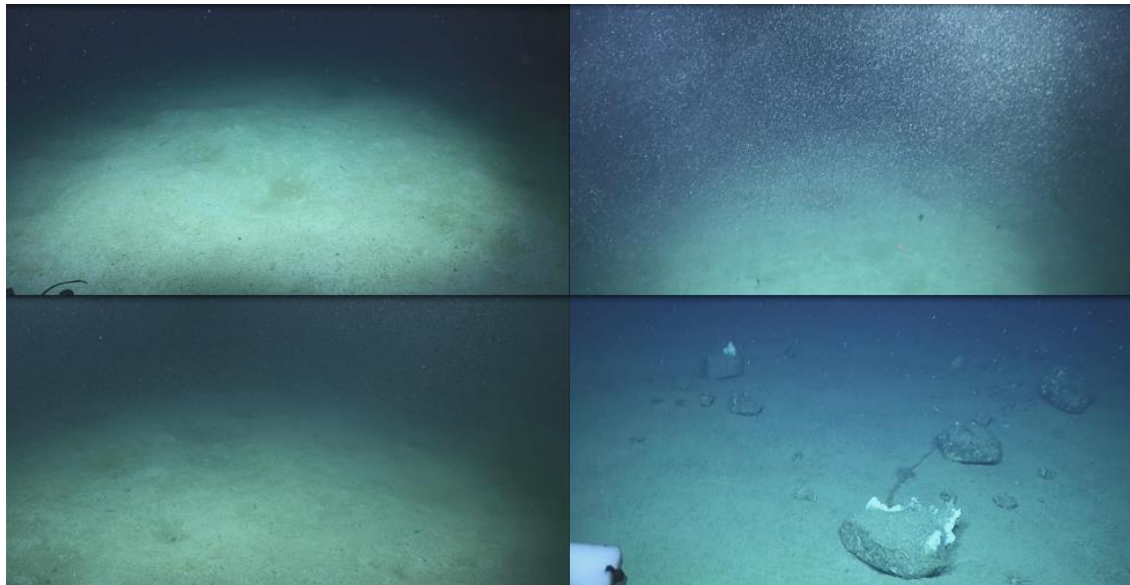
DIVE SUMMARY	
DIVE # 526	TRANSECT # RB02

	Start	End
Date & Time	Missing OFOPs data	Missing OFOPs data
Latitude/ Longitude	Missing OFOPs data	Missing OFOPs data
Depth	Missing OFOPs data	Missing OFOPs data
Images	IMG_4004-IMG_4028.JPG	
Samples	n/a	

Location	RT02
Target Features	Mound, Escarpment
Depth Range	-460, -640

Maps of Dive
OFOP BMP and/or GIS Maps

Representative Images
(Images representative of major biotopes, species, and sediments encountered throughout the transect)



Top L. Mud slope with some depressions on the seafloor (M.AtUB.Mu).

Top R. Marine snow is evident throughout the transect. Mud slope with some depressions on the seafloor (M.AtUB.Mu).

Bottom L. Mud slope with some depressions on the seafloor (M.AtUB.Mu).

Bottom R. Deep sea sponge isolated colonies on boulders/large cobbles (M.AtUB.Ro).

Summary Description (habitat transitions noted)

START OF VIDEO 'A' AT 04:33. [1] The transect is set on mud flat/gentle upslope. Sparse epifauna including sea cucumber OTU266, sea urchin OTU211 and a few species of fish. **10m** ROV stops for imagery. **20m** ROV stops for imagery again. **25m** ROV stops for imagery. **33m** ROV stops for imagery of pelagic jellyfish. **50 m** ROV stops for imagery and mud cloud. **01h02m** ROV stops for imagery. Mud cloud. 01:22 Mud cloud. **END OF VIDEO 'A' AT 06:00.**

VIDEO 'B' STARTS AT 06:02. [2] Mud flat/up slope hosts *Cidaris cidaris* OTU211 and *Bonellia viridis* OTU267. 03m19s **[3]** Carbonate boulders on very steep slope. 04m54s **[4]** mud slope again. 10m33s **[5]** carbonate slopes and vertical carbonate. 11m33s **[6]** vertical carbonate. 13m27s mud/gravel on slope. 14m20s *C.cidaris* OTU211 and *B.viridis* OTU267 on mud carbonate slope. 17m16s ROV climbs a steep carbonate boulders/bedrock. 18m51s Carbonate ledges. 20m20s **[7]** Deep sea sponge aggregations on carbonate/boulders/large cobbles. 21m24s Fishing rope on sea floor. 23m03s **[8]** horizontal carbonate/carbonate ledges/boulders. Sparse and vary epifauna including *Parastichopus tremulus* OTU266 and demospongiae OTU83. 06:27 ROV goes back to the surface until **VIDEO 'B' ENDS AT 06:44.**

Physical Data			
Reef (types can be concurrent)	0% reef	0% geogenic	
		0%	n/a
		biogenic	n/a
Substrates	- Mud - Carbonate wall - Carbonate boulders		
Geomorphology/Features	slope		
Annex 1 Types	- Sloping carbonate - Vertical carbonate - Horizontal carbonate/ledges/boulders		
Pressures	1 x fishing net 1 x fishing rope		

Biological Data	
Number of Species	16
Summary Species List (Operational Taxonomic Unit, Name, Size, SACFOR, presence per habitat transition)	

O.T.U	Species/Taxonomic ID	Size/Growth	SACFOR
266	Parastichopus tremulus	L	R
227	Helicolenus dactylopterus	L	R
211	Cidaris cidaris	L	R
249	Lepidion eques	L	R
188	Araeosoma fenestratum	L	R
198	Stichastrella rosea	L	R
12	Bolocera tuediae	L	R
265	Chimera monstrosa	L	R
1017	Teuthida sp1	L	R
1005	Galeus melastomus	L	R
250	Lophelia pertusa	L	R
621	Hypsogastropoda	M	R
440	Synaphobranchus kaupii	M	R
120	Corymorphidae sp	M	R
601	Geodia cf baretti	M	R
205	Paguridae	S	R

Biotope List (Marine Habitat Classification for Britain & Ireland)		
Code	Name	Listed
M.AtUB.Mu	Atlantic upper bathyal mud	Mud and sand emergent fauna (ICES)
M.AtUB.Ro	Atlantic upper bathyal rock and other hard substrata	

Biotope progression per habitat transition (# species, dominant/characteristic species)	
1	M.AtUB.Mu 266 Parastichopus tremulus, 211 Cidaris cidaris
2	M.AtUB.Mu 211 Cidaris cidaris, 267 Bonellia viridis
3	M.AtUB.Ro n/a
4	M.AtUB.Mu n/a
5	M.AtUB.Ro n/a
6	M.AtUB.Ro; M.AtUB.Mu

	211 Cidaris cidaris, 267 Bonellia viridis
7	M.AtUB.Ro
	83 Porifera massive lobose sp6 (cfGeodia)
8	M.AtUB.Ro
	266 Parastichopus tremulus, 83 Porifera massive lobose sp6 (cfGeodia)

Conservation Targets		
Listed Habitats Encountered		
Name	Authority	
Mud and sand emergent fauna	ICES	
Listed Species Encountered (Fish, Count)		
n/a		OSPAR/IUCN

Additional Comments
- N.B.: In this transect, a few depressions on the sea floor were detected indicating signs of bioturbation. - Missing OFOPs data, therefore location is not provided. Depth is extracted from SeaRover Transect Proposal 2018.