APEM project number	412881
Survey Name	Drigg Coast
Survey Type	Marine Benthic Intertidal
Start date	18/08/2013
End date	06/09/2013
Survey run by	APEM Ltd
Survey run for	Natural England
Method	quadrat
Effort	0.25m2

Sample Analysis

Sample Sorting	Nic Pennisi/Donna Ridland
Species identification	Nic Pennisi/Donna Ridland/Tim Worsfold
AQC	Tim Worsfold
Data Entry	Nic Pennisi/Donna Ridland

Version control	Change date	Name Analyst	Notes
v1	25/08/2013		original data release
v2	24/09/2013	Nic Pennisi/Donna Ridland	All quadrat data
v3	20/11/2013	Sheryl Earnshaw	QC and formatting
v4	08/01/2014	Sheryl Earnshaw	Final checking of formatting

Drigg Coast_412881_Abundance data

Transect		1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	7
Quadrat no.		1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	6	1
Taxa	**Qualifier**																																
Phyllodoce																																	
Sabellaria alveolata																																	
Lanice conchilega																																	
Spirobranchus triqueter																																	
Cirripedia																											60	40	15	45	20	5	35
Elminius modestus																	5	5	5	5	10												
Semibalanus balanoides											1						50	90	40	40	60												
Hyale																																	
Talitridae									50	6												5											
Gammaridae			4		5	3	1	2		1		10		15	9	6			15		9	9	4	4	8	12				3		4	
Gammarus marinus																																	
Corophium																																	
Idotea																																	
Carcinus maenas		1	11	1	2	6	1	2			1	1			1						1	4	1	1				1		1			
Anurida maritima		1																															
Mytilus edulis	1-3 cm																																
Mytilus edulis	3-15 cm																										225	6	16	48	13		
Patella vulgata											1																						
Littorina littorea								1			1						17	14		51	17							1					2
Littorina obtusata																																	
Littorina saxatilis															1		3			8	5								2				1
Alcyonidium gelatinosum																																	
Electra pilosa																																	
Porphyra																																	
Rhodothamniella floridula																														2			
Hildenbrandia rubra																													0.01				
Mastocarpus stellatus																											2						
Ceramium																						5											
Polysiphonia lanosa																																25	
Elachista																												0.01			0.01		
Ascophyllum nodosum																									75	60	10	5	2			70	
Fucus	juv																										0.01			5		5	
Fucus ceranoides		80	90	90	45	30	40	50		95	85	95	40	95	80	80						25	80	90						100			
Fucus vesiculosus					45	40	40	50					45						20	5						30	18	10	23		15		
Pelvetia canaliculata									65													15											
Enteromorpha																												0.01		0.01	0.01		
Ulva																											0.01					5	
Cladophora																														0.01		15	
Vaucheria																																	
Polychaeta casts																		3															1
Arenicola marina cast																																	
Macoma balthica (?) holes																																	
Animal burrows		50		8							30			50									10			43							
Scrobicularia plana holes						80																											
Bedrock																											40						
Boulders																														50	18	5	
Boulders very large (>1024mm)																																	
Boulders large (512-1024mm)																																	
Boulders small (256-512mm)																																	
Cobbles		10	20	10	10	5	3	15	5	3	3	5	5	10	5	5	30		25	15	35	25	5	5	5	5		40	40	15	35	30	20
Cobbles (64-256mm)																																	
Pebbles (16-64mm)		10	30	10	10	5	7		5	7	7				5		60	50	20	50	50						50	30	10	20	15	5	15
Shell - empty																												19	20		25		
Shell - live reef																																	
Gravel																												5					5
Gravel - stone (4-16mm)																																	
Gravel - shell (4-16mm)																																	
Gravel - dead maerl																																	
Sand												95	95	90	90	95	10	50	55	35	15						10	5	30	12	5	60	60
Sand - coarse (1-4mm)																																	
Sand - medium (0.25-1mm)																																	
Sand - fine (0.063-0.25mm)																																	
Mud (<0.063mm)		80	50	80	80	90	90	85	90	90	90											75	95	95	95	95							
Artificial																																	
Artificial - metal																																	
Artificial - concrete																																	
Artificial - wood																																	
Artificial - Glass																												1		3	2		
Artificial - Plastics																																	
Trees/Branches																																	
Algae																																	
Peat																																	
Leaf litter																																	
Sabellaria alveolata reef																																	
Physical data check		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SEQ_sample		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Sample label		Drigg Coast_1.1	Drigg Coast_1.2	Drigg Coast_1.3	Drigg Coast_1.4	Drigg Coast_1.5	Drigg Coast_2.1	Drigg Coast_2.2	Drigg Coast_2.3	Drigg Coast_2.4	Drigg Coast_2.5	Drigg Coast_3.1	Drigg Coast_3.2	Drigg Coast_3.3	Drigg Coast_3.4	Drigg Coast_3.5	Drigg Coast_4.1	Drigg Coast_4.2	Drigg Coast_4.3	Drigg Coast_4.4	Drigg Coast_4.5	Drigg Coast_5.1	Drigg Coast_5.2	Drigg Coast_5.3	Drigg Coast_5.4	Drigg Coast_5.5	Drigg Coast_6.1	Drigg Coast_6.2	Drigg Coast_6.3	Drigg Coast_6.4	Drigg Coast_6.5	Drigg Coast_6.6	Drigg Coast_7.1
Method		quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat
Device area /effort		0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2
Sample Notes																										Vertical bridge pillar wall					Extra quadrat as Q1 on vertical		

7 2	7 3	7 4	7 5	8 1	8 2	8 3	8 4	8 5	9 1	9 2	9 3	9 4	9 5	10 1	10 2	10 3	10 4	10 5	11 1	11 2	11 3	11 4	11 5	12 1	12 2	12 3	12 4	12 5	13 1	13 2	13 3	13 4	13 5	14 1	14 2	14 3
					1																						5	22								
35	10	15	60	40	48	20	5	40	5	10	30	0.01	0.01			5	20	40				1		1			3	20	2		1	20	1	10	2	20
					1		20																	1	12		10	4							14	
																				8	6 3	1														
							2					3			1				2	2	20 15		3 4											3		3
				13 196	7	4		110	4	13	8	7	1				7	5														4	1			
5	2		14	38	25	28	4	11	21	19	16	2	13			1	2	2									3	9	1			7	200	10		2
20	13		18	12	31	10	17	15	1	7	4	7	2			2	8	9						2											2	
		0.01			0.01 0.01	0.01					5		10				0.01	0.01																		
0.01							50	15		0.01				15	40		0.01		5 95	85	50 35	90	90	100	50		30	2	10					40	40	
							0.01							3	0.01					5		10	5					15	15	10						
	1										1 1	1			1 1	5 2					0.01					40 120	5	3		2		3	3			
																			70	50	15	50	25													
25	10	10					45				10	2	10	10	10			18					5					8			30			20		15
25	30	25	60	90 5	50 20	65 <1	10 10	75 5	15 20	30 30	35 20	83 5	80 <1	20 2	30 <1	55	15 5	35 2			5		5	5			90	85	20	20	60	60	60	20	70	80
10			5							5	5	5		8	10	10	35	15					5													
40	60	65	35	5	30	35	35	20	65	35	30	5	10	60	50	33	10	30	30	50	80	50	60			1			80	80	10	30	20	60	30	5
																	35							95	100	99	10	7								
																2																				
																																10	20			
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69
Drigg Coast_7.2	Drigg Coast_7.3	Drigg Coast_7.4	Drigg Coast_7.5	Drigg Coast_8.1	Drigg Coast_8.2	Drigg Coast_8.3	Drigg Coast_8.4	Drigg Coast_8.5	Drigg Coast_9.1	Drigg Coast_9.2	Drigg Coast_9.3	Drigg Coast_9.4	Drigg Coast_9.5	Drigg Coast_10.1	Drigg Coast_10.2	Drigg Coast_10.3	Drigg Coast_10.4	Drigg Coast_10.5	Drigg Coast_11.1	Drigg Coast_11.2	Drigg Coast_11.3	Drigg Coast_11.4	Drigg Coast_11.5	Drigg Coast_12.1	Drigg Coast_12.2	Drigg Coast_12.3	Drigg Coast_12.4	Drigg Coast_12.5	Drigg Coast_13.1	Drigg Coast_13.2	Drigg Coast_13.3	Drigg Coast_13.4	Drigg Coast_13.5	Drigg Coast_14.1	Drigg Coast_14.2	Drigg Coast_14.3
quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2

14	14	15	15	15	15	15	16	16	16	16	16	17	17	17	17	17	18	18	18	18	18	19	19	19	19	19	20	20	20	20	20	21	21	21	21	21
4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
												70	70		70	65																					
																									1				2							4
																								6												
90	85	4	5	5	10	3	2		2	20	3			35		1	5	10	1	2	5	2	5	1	1		85	56	45	40	30	30	40	30	25	25
				1		1																														
				1	25	5			6	20	7																									
																									2											
				2	3	1				1		2													1											
			3		2				2	15	3																									
																											30		18							
	11																					2					45	4	68	32	15	8	37	22	14	
12	12	12	6	1								10	2						1								23	38	3	16	12	15	8	6	5	7
																							4													
															1		1						6	3			5		5	6	20	18	31	14	17	9
												0.01																								
												0.01																								
							2		1									15		60	35	5		30	15	30										
1		3																																		
																															2					
												0.01																								
												5															0.01									
																4																				
		40	30		70	80				30	45									5																
			35	10			10	30	15		45	45	55		15		15	20	50				60	10	5		5	5								
				7		2	5	30	5			10	10	20	0.01	25			5	1	0.01	40	0.01	30	30	30	0.01									
													0.01	0.01		0.01																				
							5		5			5		5																						
								6																				1		2					2	1
																	60	50	30	37	45	15	10	35	30	35										
10	15	10	5	40	50	30	15	25	60	40	5							30	15	25	15	25		25	5	10	53	40	40	55	65	60	65	70	60	37
85	75	5												40	1							5		5	5	7	15	10	20	10	15	5	5	5	5	3
	10																																			
												20	15	25	15	15	40	15	55	35	30	35	70	25	45	38	30	40	40	35	20	25	25	25	25	45
5		85	95	60	50	70	85	75	40	60	95	10	15	15	10			5		3	10							5				10	5		10	15
														20	4	20						20	20	10	15	10	2	5								
												70	70		70	65																				
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106
Drigg Coast_14.4	Drigg Coast_14.5	Drigg Coast_15.1	Drigg Coast_15.2	Drigg Coast_15.3	Drigg Coast_15.4	Drigg Coast_15.5	Drigg Coast_16.1	Drigg Coast_16.2	Drigg Coast_16.3	Drigg Coast_16.4	Drigg Coast_16.5	Drigg Coast_17.1	Drigg Coast_17.2	Drigg Coast_17.3	Drigg Coast_17.4	Drigg Coast_17.5	Drigg Coast_18.1	Drigg Coast_18.2	Drigg Coast_18.3	Drigg Coast_18.4	Drigg Coast_18.5	Drigg Coast_19.1	Drigg Coast_19.2	Drigg Coast_19.3	Drigg Coast_19.4	Drigg Coast_19.5	Drigg Coast_20.1	Drigg Coast_20.2	Drigg Coast_20.3	Drigg Coast_20.4	Drigg Coast_20.5	Drigg Coast_21.1	Drigg Coast_21.2	Drigg Coast_21.3	Drigg Coast_21.4	Drigg Coast_21.5
quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2

22 1	22 2	22 3	22 4	22 5	23 1	23 2	23 3	23 4	23 5	24 1	24 2	24 3	24 4	24 5	Abundance type	SACFOR size group	Species Code	Species Notes	Count check	Total No. of individuals	Mean No. of individuals	Mean % coverage	PM Notes
			1												No. individuals		P178		1	1	1.0		
															% cover		P1116		4			68.8	
			5												No. individuals		P1195		7	40	5.7		
															No. individuals		P1341		1	6	6.0		
25	10	23	10	5											% cover		R14		72			20.3	
					5	5	5	2	1						% cover		R68		10			4.8	
					20	20		13	5						% cover		R70		10			33.9	
															No. individuals		S224	here are 50	2	2	1.0		
															No. individuals		S228		3	61	20.3		
						1					2	20	8		No. individuals		S464		36	281	7.8		
															No. individuals		S466	e with Gam	3	15	5.0		
															No. individuals		S605		1	3	3.0		
															No. individuals		S934		1	2	2.0		
1		1	1	2							2	1	1		No. individuals		S1594		37	91	2.5		
															No. individuals				9	48	5.3		
															No. individuals		W1695	SACFOR - c	3	61	20.3		
1	3	2	6												No. individuals		W1695	SACFOR - c	33	945	28.6		
						1									No. individuals		W231		2	2	1.0		
3	1	1	1		11	5	15	5							No. individuals		W296		57	770	13.5		
															No. individuals		W302		3	8	2.7		
4	3	22	5		1	2	5	1							No. individuals		W305		43	375	8.7		
															% cover		Y77		1			0.0	
															% cover		Y178		1			0.0	
			0.01												% cover		ZM53		10			19.3	
															% cover		ZM182		1			2.0	
					1	5	5								% cover		ZM192		13			2.3	
															% cover		ZM405		3			1.3	
															% cover		ZM507		2			2.5	
															% cover		ZM671		1			25.0	
															% cover		ZR85		4			1.3	
															% cover		ZR374		9			41.9	
		0.01													% cover		ZR376	qualifier fo	8			1.8	
										45	70	50	70	20	% cover		ZR377		39			61.3	
		2			5	15	5	60	10					15	% cover		ZR384		42			24.4	
															% cover		ZR386		5			20.0	
				30					5	2					% cover		ZS149		31			10.6	
															% cover		ZS174		5			1.0	
															% cover		ZS195		2			7.5	
															% cover				1			0.0	
						2									No. individuals				16	50	3.1		
1	2	2	3												No. individuals				13	25	1.9		
															No. individuals				1	40	40.0		
										8				18	No. individuals				8	217	27.1		
															No. individuals				2	200	100.0		
															% cover				1				
										15		30		20	% cover				21				
															% cover				0				
															% cover				0				
															% cover				0				
40	75	35	50	52	5	20	15	20	10	5	2		2		% cover				88				
															% cover				0				
5		5		8	70	20	65	40	20	10					% cover				81				
															% cover				16				
															% cover				0				
55	25	60	50	40											% cover				43				
															% cover				0				
															% cover				0				
															% cover				0				
					25	60	20	40	70	69	95	68	95	75	% cover				83				
															% cover				0				
															% cover				0				
															% cover				0				
										1	3	2	3	5	% cover				26				
															% cover				0				
															% cover				10				
															% cover				0				
															% cover				0				
															% cover				4				
															% cover				0				
															% cover				0				
															% cover				0				
															% cover				0				
																			2				
															% cover		P1116		4			68.8	
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100					121				
107	108	109	110	111	112	113	114	115	116	117	118	119	120	121									
Drigg Coast_22.1	Drigg Coast_22.2	Drigg Coast_22.3	Drigg Coast_22.4	Drigg Coast_22.5	Drigg Coast_23.1	Drigg Coast_23.2	Drigg Coast_23.3	Drigg Coast_23.4	Drigg Coast_23.5	Drigg Coast_24.1	Drigg Coast_24.2	Drigg Coast_24.3	Drigg Coast_24.4	Drigg Coast_24.5									
quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2									

Taxa	Drigg Coast_1.1	Drigg Coast_1.2	Drigg Coast_1.3	Drigg Coast_1.4	Drigg Coast_1.5	Drigg Coast_2.1	Drigg Coast_2.2	Drigg Coast_2.3	Drigg Coast_2.4	Drigg Coast_2.5	Drigg Coast_3.1	Drigg Coast_3.2	Drigg Coast_3.3	Drigg Coast_3.4	Drigg Coast_3.5	Drigg Coast_4.1	Drigg Coast_4.2	Drigg Coast_4.3	Drigg Coast_4.4	Drigg Coast_4.5	Drigg Coast_5.1	Drigg Coast_5.2	Drigg Coast_5.3	Drigg Coast_5.4	Drigg Coast_5.5	Drigg Coast_6.1	Drigg Coast_6.2	Drigg Coast_6.3	Drigg Coast_6.4	Drigg Coast_6.5	Drigg Coast_6.6	Drigg Coast_7.1	Drigg Coast_7.2
Phyllodoce																																	
Sabellaria alveolata																																	
Lanice conchilega																																	
Spirobranchus triqueter																																	
Cirripedia																										60	40	15	45	20	5	35	35
Austrominius modestus																5	5	5	5	10													
Semibalanus balanoides										1						50	90	40	40	60													
Hyale																																	
Talitridae								50	6												5												
Gammaridae		4		5	3	1	2		1		10		15	9	6			15		9	9	4	4	8	12				3		4		
Corophium																																	
Idotea																																	
Carcinus maenas	1	11	1	2	6	1	2			1	1			1						1	4	1	1				1		1				
Anurida maritima	1																																
Mytilus edulis																										225	6	16	48	13			
Patella vulgata										1																							
Littorina littorea							1			1						17	14		51	17							1					2	5
Littorina obtusata																																	
Littorina saxatilis														1		3			8	5								2				1	20
Alcyonidium gelatinosum																																	
Electra pilosa																																	
Porphyra																																	
Rhodothamniella floridula																													2				
Hildenbrandia rubra																												0.01					
Mastocarpus stellatus																										2							
Ceramium																					5												
Polysiphonia lanosa																															25		
Elachista																											0.01			0.01			
Ascophyllum nodosum																								75	60	10	5	2			70		
Fucus																										0.01			5		5		0.01
Fucus ceranoides	80	90	90	45	30	40	50		95	85	95	40	95	80	80						25	80	90						100				
Fucus vesiculosus				45	40	40	50					45						20	5						30	18	10	23		15			
Pelvetia canaliculata								65													15												
Enteromorpha																											0.01		0.01	0.01			
Ulva																										0.01					5		
Cladophora																													0.01		15		
Vaucheria																																	
Bedrock																										40							
Boulders																													50	18	5		
Boulders very large (>1024mm)																																	
Boulders large (512-1024mm)																																	
Boulders small (256-512mm)																																	
Cobbles	10	20	10	10	5	3	15	5	3	3	5	5	10	5	5	30		25	15	35	25	5	5	5	5		40	40	15	35	30	20	25
Cobbles (64-256mm)																																	
Pebbles (16-64mm)	10	30	10	10	5	7		5	7	7				5		60	50	20	50	50						50	30	10	20	15	5	15	25
Shell - empty																											19	20		25			
Shell - live reef																																	
Gravel																											5					5	10
Gravel - stone (4-16mm)																																	
Gravel - shell (4-16mm)																																	
Gravel - dead maerl																																	
Sand											95	95	90	90	95	10	50	55	35	15						10	5	30	12	5	60	60	40
Sand - coarse (1-4mm)																																	
Sand - medium (0.25-1mm)																																	
Sand - fine (0.063-0.25mm)																																	
Mud (<0.063mm)	80	50	80	80	90	90	85	90	90	90											75	95	95	95	95								
Artificial																																	
Artificial - metal																																	
Artificial - concrete																																	
Artificial - wood																																	
Artificial - Glass																											1		3	2			
Artificial - Plastics																																	
Trees/Branches																																	
Algae																																	
Peat																																	
Leaf litter																																	
Sabellaria alveolata																																	
Physical data check	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SEQ_sample	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Sample label	Drigg Coast_1.1	Drigg Coast_1.2	Drigg Coast_1.3	Drigg Coast_1.4	Drigg Coast_1.5	Drigg Coast_2.1	Drigg Coast_2.2	Drigg Coast_2.3	Drigg Coast_2.4	Drigg Coast_2.5	Drigg Coast_3.1	Drigg Coast_3.2	Drigg Coast_3.3	Drigg Coast_3.4	Drigg Coast_3.5	Drigg Coast_4.1	Drigg Coast_4.2	Drigg Coast_4.3	Drigg Coast_4.4	Drigg Coast_4.5	Drigg Coast_5.1	Drigg Coast_5.2	Drigg Coast_5.3	Drigg Coast_5.4	Drigg Coast_5.5	Drigg Coast_6.1	Drigg Coast_6.2	Drigg Coast_6.3	Drigg Coast_6.4	Drigg Coast_6.5	Drigg Coast_6.6	Drigg Coast_7.1	Drigg Coast_7.2
Method	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat	quadrat
Device area /effort	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2	0.25m2
Sample Notes																									Vertical bridge pillar wall					Extra quadrat as Q1 on vertical			
No. of taxa	3	3	2	4	4	4	5	2	3	5	3	2	2	4	2	4	3	4	5	6	6	3	3	2	3	7	8	6	9	5	7	3	4
Shore height	Upper	Upper	Upper	Upper	Upper	Upper	Upper	Upper	Upper	Upper	Low	Low	Low	Low	Low	Mid	Mid	Mid	Mid	Mid	Upper	Upper	Upper	Upper	Upper	Mid	Mid	Upper	Mid	Low	Low	Low	Low
Sector	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	4	4
Transect	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	7	7
Quadrat no.	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	6	1	2
Polychaeta casts																	3															1	
Arenicola marina cast																																	
Macoma balthica (?) holes																																	
Animal burrows	50		8							30			50									10			43								
Scrobicularia plana holes					80																												
BIOTOPE	R.LLR.FVS.Fce	LLR.FVS.Fcl	LLR.FVS.Fcl	LLR.FVS.Fcl	LLR.FVS.Fcl	R.LLR.F.Fsp	R.LLR.F.Fsp	R.LLR.F.Fsp	R.LLR.F.Fsp	R.LLR.F.Fsp	LLR.FVS.Fcl	LLR.FVS.Fcl	LLR.FVS.Fcl	LLR.FVS.Fcl	LLR.FVS.Fcl	FLR.Eph.BL	FLR.Eph.BL	FLR.Eph.BL	FLR.Eph.BL	FLR.Eph.BL	LLR.FVS.Asc	LLR.FVS.Asc	LLR.FVS.Asc	LLR.FVS.Asc	LLR.FVS.Asc	LLR.FVS.Asc	LLR.FVS.Asc	LLR.FVS.Asc	LLR.FVS.Asc	LLR.FVS.Asc	LLR.FVS.Asc	FLR.Eph.BL	FLR.Eph.BL
SIMPROF results	e	e	e	e	e	e	e	b	e	e	e	d	e	e	e	h	h	h	h	h	e	e	e	c	c	i	g	i	e	g	g	j	j

| | | |

Drigg Coast_14.5	Drigg Coast_15.1	Drigg Coast_15.2	Drigg Coast_15.3	Drigg Coast_15.4	Drigg Coast_15.5	Drigg Coast_16.1	Drigg Coast_16.2	Drigg Coast_16.3	Drigg Coast_16.4	Drigg Coast_16.5	Drigg Coast_17.1	Drigg Coast_17.2	Drigg Coast_17.3	Drigg Coast_17.4	Drigg Coast_17.5	Drigg Coast_18.1	Drigg Coast_18.2	Drigg Coast_18.3	Drigg Coast_18.4	Drigg Coast_18.5	Drigg Coast_19.1	Drigg Coast_19.2	Drigg Coast_19.3	Drigg Coast_19.4	Drigg Coast_19.5	Drigg Coast_20.1	Drigg Coast_20.2	Drigg Coast_20.3	Drigg Coast_20.4	Drigg Coast_20.5	Drigg Coast_21.1	Drigg Coast_21.2	Drigg Coast_21.3	Drigg Coast_21.4	Drigg Coast_21.5	Drigg Coast_22.1
											70	70		70	65																					
																								1				2							4	
85	4	5	5	10	3	2		2	20	3			35		1	5	10	1	2	5	2	5	6 1	1		85	56	45	40	30	30	40	30	25	25	25
			1		1																															
			1	25	5			6	20	7																										
			2	3	1				1		2													2 1												1
11		3		2				2	15	3											2					75	4	86	32	15	8	37	22	14		1
12	12	6	1								10	2						1								23	38	3	16	12	15	8	6	5	7	3
											0.01			1		1						4 6	3			5		5	6	20	18	31	14	17	9	4
						2		1			0.01						15		60	35	5		30	15	30											
	3																													2						
											0.01																									
											5															0.01										
	40	30 35	10	70	80	10	30	15	30	45 45	45	55		15	4	15	20	50	5			60	10	5		5	5									
			7		2	5	30	5			10	10 0.01	20 0.01	0.01	25 0.01			5	1	0.01	40	0.01	30	30	30	0.01										
																60	50	30	37	45	15	10	35	30	35										
15	10	5	40	50	30	15	25	60	40	5							30	15	25	15	25		25	5	10	53	40	40	55	65	60	65	70	60	37	40
75 10	5												40	1							5		5	5	7	15	10	20	10	15	5	5	5	5	3	5
											20	15	25	15	15	40	15	55	35	30	35	70	25	45	38	30	40	40	35	20	25	25	25	25	45	55
	85	95	60	50	70	85	75	40	60	95	10	15	15	10			5		3	10							5				10	5		10	15	
													20	4	20						20	20	10	15	10	2	5									
100	100	100	100	100	100	100	100	100	100	100	70 100	70 100	100	70 100	65 100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
Drigg Coast_14.5	Drigg Coast_15.1	Drigg Coast_15.2	Drigg Coast_15.3	Drigg Coast_15.4	Drigg Coast_15.5	Drigg Coast_16.1	Drigg Coast_16.2	Drigg Coast_16.3	Drigg Coast_16.4	Drigg Coast_16.5	Drigg Coast_17.1	Drigg Coast_17.2	Drigg Coast_17.3	Drigg Coast_17.4	Drigg Coast_17.5	Drigg Coast_18.1	Drigg Coast_18.2	Drigg Coast_18.3	Drigg Coast_18.4	Drigg Coast_18.5	Drigg Coast_19.1	Drigg Coast_19.2	Drigg Coast_19.3	Drigg Coast_19.4	Drigg Coast_19.5	Drigg Coast_20.1	Drigg Coast_20.2	Drigg Coast_20.3	Drigg Coast_20.4	Drigg Coast_20.5	Drigg Coast_21.1	Drigg Coast_21.2	Drigg Coast_21.3	Drigg Coast_21.4	Drigg Coast_21.5	Drigg Coast_22.1
quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2
3	4	5	7	5	6	4	2	6	5	5	9	5	3	4	5	3	3	4	4	3	4	5	6	7	2	7	4	5	4	5	4	4	4	4	4	5
Low 4	Mid 4	Mid 4	Mid 4	Upper 4	Upper 4	Low 4	Low 4	Low 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4	Mid 4
14 5	15 1	15 2	15 3	15 4	15 5	16 1	16 2	16 3	16 4	16 5	17 1	17 2	17 3	17 4	17 5	18 1	18 2	18 3	18 4	18 5	19 1	19 2	19 3	19 4	19 5	20 1	20 2	20 3	20 4	20 5	21 1	21 2	21 3	21 4	21 5	22 1
						5	6	5			5		5														1		2						2	1	1
LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LS.LBR.Sab.	LS.LBR.Sab.	LS.LBR.Sab.	LS.LBR.Sab.	LS.LBR.Sab	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LR.FLR.Eph	LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu
j	k	f	e	e	e	g	g	g	e	f	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	j	j	j	j	j	j	j	j	j	j

Qualifier	Abundance type	SACFOR size group	Species Code	Species Notes	Count check	Total No. of individuals	Mean No. of individuals	Mean % coverage	PM Notes	Drigg Coast_22.2	Drigg Coast_22.3	Drigg Coast_22.4	Drigg Coast_22.5	Drigg Coast_23.1	Drigg Coast_23.2	Drigg Coast_23.3	Drigg Coast_23.4	Drigg Coast_23.5	Drigg Coast_24.1	Drigg Coast_24.2	Drigg Coast_24.3	Drigg Coast_24.4	Drigg Coast_24.5
	Individual		P178		1	1	1.0					1											
	% coverage		P1116		4			68.8				5											
	Individual		P1195		7	40	5.7			10	23	10	5										
	Individual		P1341		1	6	6.0																
	% coverage		R14		72			20.3						5	5	5	2	1					
	% coverage		R68	viously Elmi	10			4.8						20	20		13	5					
	% coverage		R70		10			33.9															
	Individual		S224	:here are 50	2	2	1.0																
	Individual		S228		3	61	20.3								1					2	20	8	
	Individual		S464	ıridae and G	39	296	7.6																
	Individual		S605		1	3	3.0																
	Individual		S934		1	2	2.0																
	Individual		S1594		37	91	2.5				1	1	2							2	1	1	
	Individual				9	48	5.3																
	Individual		W1695	dif size class	33	1006	30.5			3	2	6											
	Individual		W231		2	2	1.0								1								
	Individual		W296		57	770	13.5			1	1	1		11	5	15	5						
	Individual		W302		3	8	2.7																
	Individual		W305		43	375	8.7			3	22	5		1	2	5	1						
	% coverage		Y77		1			0.0															
	% coverage		Y178		1			0.0															
	% coverage		ZM53		10			19.3				0.01											
	% coverage		ZM182		1			2.0															
	% coverage		ZM192		13			2.3						1	5	5							
	% coverage		ZM405		3			1.3															
	% coverage		ZM507		2			2.5															
	% coverage		ZM671		1			25.0															
	% coverage		ZR85		4			1.3															
	% coverage		ZR374		9			41.9															
juv	% coverage		ZR376		8			1.8			0.01												
	% coverage		ZR377		39			61.3											45	70	50	70	20
	% coverage		ZR384		42			24.4			2			5	15	5	60	10					15
	% coverage		ZR386		5			20.0															
	% coverage		ZS149		31			10.6					30					5	2				
	% coverage		ZS174		5			1.0															
	% coverage		ZS195		2			7.5															
	% coverage				1			0.0															
	% cover				1																		
	% cover				21														15		30		20
	% cover				0																		
	% cover				0																		
	% cover				0																		
	% cover				88					75	35	50	52	5	20	15	20	10	5	2		2	
	% cover				0																		
	% cover				81						5		8	70	20	65	40	20	10				
	% cover				16																		
	% cover				0																		
	% cover				43					25	60	50	40										
	% cover				0																		
	% cover				0																		
	% cover				0																		
	% cover				83									25	60	20	40	70	69	95	68	95	75
	% cover				0																		
	% cover				0																		
	% cover				0																		
	% cover				26														1	3	2	3	5
	% cover				0																		
	% cover				10																		
	% cover				0																		
	% cover				0																		
	% cover				4																		
	% cover				0																		
	% cover				0																		
	% cover				0																		
	% cover				0																		
					4																		
					121					100	100	100	100	100	100	100	100	100	100	100	100	100	100
										108	109	110	111	112	113	114	115	116	117	118	119	120	121
										Drigg Coast_22.2	Drigg Coast_22.3	Drigg Coast_22.4	Drigg Coast_22.5	Drigg Coast_23.1	Drigg Coast_23.2	Drigg Coast_23.3	Drigg Coast_23.4	Drigg Coast_23.5	Drigg Coast_24.1	Drigg Coast_24.2	Drigg Coast_24.3	Drigg Coast_24.4	Drigg Coast_24.5
										quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2	quadrat 0.25m2
										4	7	8	3	6	8	5	5	4	2	3	3	3	2
										Mid	Mid	Mid	Mid	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
										4	4	4	4	4	4	4	4	4	1	1	1	1	1
										22	22	22	22	23	23	23	23	23	24	24	24	24	24
										2	3	4	5	1	2	3	4	5	1	2	3	4	5
	Individual				16	50	3.1								2								
	Individual				13	25	1.9			2	2	3											
	Individual				1	40	40.0																
	Individual				8	217	27.1												8				18
	Individual				2	200	100.0																
LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu	LS.LBR.LMu	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.	LR.LLR.FVS.Fcer										
j	j	j	e	h	h	h	h	h	g	e	e	e	d										

Field	Description	To fill by
Survey Name	Name of Survey or project code	BioLabs
Transect	Replicate quadrat number / code	BioLabs
Quadrat no.	Replicate quadrat number / code	BioLabs
TAXA NAMES	Current Latin name (Species Directory)	BioLabs
PHYSICAL DATA	Sample attribute, substrate	BioLabs
Physical data check	Control field	Project Manager
SEQ_sample	Unique sequence number	Project Manager
Sample label	Descriptive sample label	Project Manager
Method	Sample collection method (e.g. quadrat, netting, corer, grab, etc)	BioLabs
Device area /effort	Sample size (e.g. size of quadrat, area, volume or time of a trawl event, size of the corer or grab & sieve, etc)	BioLabs
Sample Notes	Text field for additional sample processing information	BioLabs/ Project Manager
Qualifier	Taxa qualifier field (i.e. juvenile, incomplete, speciess aggregate, etc)	BioLabs
Abundance type	Type of the abundance measure used (e.g. no individuals, % cover SACFOR, etc)	BioLabs
SACFOR size group	Relevant size group for SACFOR	BioLabs
Species Code	Current Species Directory code	BioLabs
Species Notes	Text field for additional MR taxa information (Uncertain, CharSp?, Photo?, Specimen & Confidential)	BioLabs
Count check	Control field	Project Manager
PM Notes	Project manager notes	Project Manager

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