

Appendix M: Gap Analysis Spreadsheets - Balanced Seas

(Cross reference to Section 5 of the Report)

This Appendix provides the results of the gap analysis in four separate spreadsheets with tabs for presence, extent and condition.

The High, Moderate and Low refer to the scores obtained from the Confidence Assessments as given in Appendix K.

High	H
Moderate	M
Low	L
No confidence	N

Gap is defined as a site having less than high confidence for one or more features (or less than high confidence for boundaries) therefore any site that has a orange cell will be considered to have a gap.

rMCZ	
Stour and Orwell Estuaries	rMCZ2
Blackwater, Crouch, Roach and Colne Estuaries	rMCZ3
Medway Estuary	rMCZ6
Thanet Coast	rMCZ7
Folkestone Pomerania	rMCZ11.4
Beachy Head West	rMCZ13.2
Kingmere	rMCZ16
Pagham Harbour	rMCZ25.1
Hythe Bay	rMCZ26

		Balanced Seas								
		rMCZ2	rMCZ3	rMCZ6	rMCZ7	rMCZ11.4	rMCZ13.2	rMCZ16	rMCZ25.1	rMCZ26
BSH	High energy intertidal rock		L							
	Moderate energy intertidal rock									
	Low energy intertidal rock	L		L						
	Intertidal coarse sediment						H			
	Intertidal sand and muddy sand			H						
	Intertidal mud									
	Intertidal mixed sediments	M	L	H						
	Coastal saltmarshes and saline reedbeds									
	Intertidal sediments dominated by aquatic angiosperms									
	Intertidal biogenic reefs									
	High energy infralittoral rock									
	Moderate energy infralittoral rock				L					
	Low energy infralittoral rock									
	High energy circalittoral rock									
	Moderate energy circalittoral rock				L	L				
	Low energy circalittoral rock									
	Subtidal coarse sediment	M		M	H	L				
	Subtidal sand			M	H	M	H			
	Subtidal mud	L		L						L
	Subtidal mixed sediments				H		L			
	Subtidal macrophyte-dominated sediment									
	Subtidal biogenic reefs									
	Deep-sea bed									
	Blue Mussel beds (including intertidal beds on mixed and sandy sediments)	N			M	N	M			
	Cold-water coral reefs									
	Coral Gardens									
	Deep-sea sponge aggregations									
	Estuarine rocky habitats	L		M						
	File shell beds									
	Fragile sponge&anthozoan communities on subtidal rocky habitats					M				
	Intertidal under boulder communities									
	Littoral chalk communities						L			
	Maerl beds									
Horse mussel (<i>Modiolus modiolus</i>) beds										
Mud habitats in deep water									H	
Sea-pen and burrowing megafauna communities									H	
Native Oyster <i>Ostrea edulis</i> beds	N	L								
Peat and clay exposures	L		L	L						
Honeycomb worm <i>Sabellaria alveolata</i> reefs	N				N					
Ross worm <i>Sabellaria spinulosa</i> reefs	H			M	H					
Seagrass beds								H		
Sheltered muddy gravels	H		H							
Subtidal chalk				L		L	L			
Subtidal sands and gravels	H			L	L					
Tide-swept channels										
SPECIES	<i>Padina pavonica</i>									
	<i>Cruonia cruoriaeformis</i>									
	<i>Grateloupia montagnei</i>									
	<i>Lithothamnion corallioides</i>									
	<i>Phymatolithon calcareum</i>									
	<i>Alkmaria romijni</i>			M						
	<i>Amandia cirrhosa</i>									
	<i>Gobius cobitis</i>									
	<i>Gobius couchi</i>									
	<i>Hippocampus guttulatus</i>						L			
	<i>Hippocampus hippocampus</i>						M			
	<i>Victorella pavida</i>									
	<i>Amphianthus dohmii</i>									
	<i>Eunicella verrucosa</i>									
	<i>Halicystus auricula</i>				N					
	<i>Leptosammia pruvoti</i>									
	<i>Lucernariopsis campanulata</i>									
	<i>Lucernariopsis cruxmellensis</i>				L					
	<i>Nematostella vectensis</i>									
	<i>Gammarus insensibilis</i>								M	
	<i>Gitanopsis bispinosa</i>									
	<i>Pollicipes pollicipes</i>									
	<i>Palinurus elephas</i>									
	<i>Arctica islandica</i>									
	<i>Atrina pectinata</i>									
	<i>Caecum amoricum</i>								M	
	<i>Ostrea edulis</i>		H				H	L		
	<i>Paludinella littorina</i>									
	<i>Tenellia adpersa</i>		M							
	<i>Osmerus eperlanus</i>									
	<i>Anguilla anguilla</i>		H				H		N	
	<i>Raja undulata</i>									

		Balanced Seas								
		rMCZ2	rMCZ3	rMCZ6	rMCZ7	rMCZ11.4	rMCZ13.2	rMCZ16	rMCZ25.1	rMCZ26
BSH	High energy intertidal rock		L							
	Moderate energy intertidal rock									
	Low energy intertidal rock	L		L						
	Intertidal coarse sediment						H			
	Intertidal sand and muddy sand			M						
	Intertidal mud									
	Intertidal mixed sediments	L	L	H						
	Coastal saltmarshes and saline reedbeds									
	Intertidal sediments dominated by aquatic angiosperms									
	Intertidal biogenic reefs									
	High energy infralittoral rock									
	Moderate energy infralittoral rock				L					
	Low energy infralittoral rock									
	High energy circalittoral rock									
	Moderate energy circalittoral rock				L	L				
	Low energy circalittoral rock									
	Subtidal coarse sediment	L		L	M	L				
	Subtidal sand			L	M	M	M			
	Subtidal mud			L						L
	Subtidal mixed sediments						L			
Subtidal macrophyte-dominated sediment										
Subtidal biogenic reefs										
Deep-sea bed										
HABITATS	Blue Mussel beds (including intertidal beds on mixed and sandy sediments)	N			L	N	L			
	Cold-water coral reefs									
	Coral Gardens									
	Deep-sea sponge aggregations									
	Estuarine rocky habitats	L		L						
	File shell beds									
	Fragile sponge&anthozoan communities on subtidal rocky habitats					L				
	Intertidal under boulder communities									
	Littoral chalk communities						L			
	Maerl beds									
	Horse mussel (Modiolus modiolus) beds									
	Mud habitats in deep water									H
	Sea-pen and burrowing megafauna communities									H
	Native Oyster <i>Ostrea edulis</i> beds	N	L							
	Peat and clay exposures	L		L	L					
	Honeycomb worm <i>Sabellaria alveolata</i> reefs	N				N				
	Ross worm <i>Sabellaria spinulosa</i> reefs	M			L	L				
	Seagrass beds								H	
	Sheltered muddy gravels	H		L						
	Subtidal chalk				L		L	L		
Subtidal sands and gravels	M			L	L					
Tide-swept channels										
SPECIES	<i>Padina pavonica</i>									
	<i>Cruoria cruoriaeformis</i>									
	<i>Grateloupia montagnei</i>									
	<i>Lithothamnion corallioides</i>									
	<i>Phymatolithon calcareum</i>									
	<i>Alkmaria romijni</i>			M						
	<i>Armandia cirrhosa</i>									
	<i>Gobius cobitis</i>									
	<i>Gobius couchi</i>									
	<i>Hippocampus guttulatus</i>						L			
	<i>Hippocampus hippocampus</i>						M			
	<i>Victorella pavida</i>									
	<i>Amphianthus dohni</i>									
	<i>Eunicella verrucosa</i>									
	<i>Halicystus auricula</i>				N					
	<i>Leptosammia pruvoti</i>									
	<i>Lucernariopsis campanulata</i>									
	<i>Lucernariopsis cruxmilitensis</i>				L					
	<i>Nematostella vectensis</i>									
	<i>Gammarus insensibilis</i>								M	
	<i>Gitanopsis bispinosa</i>									
	<i>Pollicipes pollicipes</i>									
	<i>Palinurus elephas</i>									
	<i>Arctica islandica</i>									
	<i>Atrina pectinata</i>									
	<i>Caecum armoricum</i>								M	
	<i>Ostrea edulis</i>		H				H	L		
	<i>Paludina littorina</i>									
<i>Tenella adpersa</i>		M								
<i>Osmerus eperlanus</i>										
<i>Anguilla anguilla</i>		H				H		N		
<i>Raja undulata</i>										

		Balanced Seas								
		rMCZ2	rMCZ3	rMCZ6	rMCZ7	rMCZ11.4	rMCZ13.2	rMCZ16	rMCZ25.1	rMCZ26
BSH	High energy intertidal rock		L							
	Moderate energy intertidal rock									
	Low energy intertidal rock	L		L						
	Intertidal coarse sediment						L			
	Intertidal sand and muddy sand			L						
	Intertidal mud									
	Intertidal mixed sediments	L	L	L						
	Coastal saltmarshes and saline reedbeds									
	Intertidal sediments dominated by aquatic angiosperms									
	Intertidal biogenic reefs									
	High energy infralittoral rock									
	Moderate energy infralittoral rock				L					
	Low energy infralittoral rock									
	High energy circalittoral rock									
	Moderate energy circalittoral rock				L	L				
	Low energy circalittoral rock									
	Subtidal coarse sediment	L		L	L	L				
	Subtidal sand			L	L	L	L			
	Subtidal mud			L			L			L
Subtidal mixed sediments				L		L				
Subtidal macrophyte-dominated sediment										
Subtidal biogenic reefs										
Deep-sea bed										
HABITATS	Blue Mussel beds (including intertidal beds on mixed and sandy sediments)	L			L	N	L			
	Cold-water coral reefs									
	Coral Gardens									
	Deep-sea sponge aggregations									
	Estuarine rocky habitats	L		L						
	File shell beds									
	Fragile sponge&anthozoan communities on subtidal rocky habitats					L				
	Intertidal under boulder communities									
	Littoral chalk communities						L			
	Maerl beds									
	Horse mussel (Modiolus modiolus) beds									
	Mud habitats in deep water									M
	Sea-pen and burrowing megafauna communities									L
	Native Oyster <i>Ostrea edulis</i> beds	N	L							
	Peat and clay exposures	L		L	L					
	Honeycomb worm <i>Sabellaria alveolata</i> reefs	N				N				
	Ross worm <i>Sabellaria spinulosa</i> reefs	L			L	L				
	Seagrass beds								L	
	Sheltered muddy gravels	L		L						
	Subtidal chalk				L		L	L		
Subtidal sands and gravels	L			L	L					
Tide-swept channels										
SPECIES	<i>Padina pavonica</i>									
	<i>Cruoria cruoriaeformis</i>									
	<i>Grateloupia montagnei</i>									
	<i>Lithothamnion corallioides</i>									
	<i>Phymatolithon calcareum</i>									
	<i>Alkmaria romijni</i>			L						
	<i>Armandia cirrhosa</i>									
	<i>Gobius cobitis</i>									
	<i>Gobius couchi</i>									
	<i>Hippocampus guttulatus</i>						L			
	<i>Hippocampus hippocampus</i>						L			
	<i>Victorella pavida</i>									
	<i>Amphianthus dohni</i>									
	<i>Eunicella verrucosa</i>									
	<i>Halicystus auricula</i>				N					
	<i>Leptosammia pruvoti</i>									
	<i>Lucernariopsis campanulata</i>									
	<i>Lucernariopsis cruxmilitensis</i>				L					
	<i>Nematostella vectensis</i>									
	<i>Gammarus insensibilis</i>								L	
	<i>Gitanopsis bispinosa</i>									
	<i>Pollicipes pollicipes</i>									
	<i>Palinurus elephas</i>									
	<i>Arctica islandica</i>									
	<i>Atrina pectinata</i>									
	<i>Caecum armoricum</i>								L	
	<i>Ostrea edulis</i>		L				L	L		
<i>Paludina littorina</i>										
<i>Tenellia adpersa</i>		L								
<i>Osmerus eperlanus</i>										
<i>Anguilla anguilla</i>		L				L		N		
<i>Raja undulata</i>										