

## The Swale Estuary (rMCZ10) Evidence Review Template

Region	Balanced Seas	
Site Name/number	The Swale Estuary rMCZ BS10	
ENG Features present and proposed for inclusion within MCZ designation	BSH	<ul style="list-style-type: none"> <li>• Low energy intertidal rock</li> <li>• Low energy infralittoral rock</li> <li>• Subtidal sand</li> <li>• Subtidal mud</li> <li>• Subtidal mixed sediments.</li> </ul>
	Habitat FOCI	<ul style="list-style-type: none"> <li>• Blue Mussel beds (including intertidal beds on mixed and sandy sediments)</li> <li>• Peat and clay exposures</li> <li>• Ross worm <i>Sabellaria spinulosa</i> reefs</li> <li>• Sheltered muddy gravels</li> <li>• Subtidal sands and gravels.</li> </ul>
	Species FOCI	<ul style="list-style-type: none"> <li>• <i>Ostrea edulis</i></li> <li>• <i>Anguilla anguilla</i>.</li> </ul>
ENG Features present but not proposed for inclusion within MCZ designation	BSH	<ul style="list-style-type: none"> <li>• High energy intertidal rock</li> <li>• Moderate energy intertidal rock</li> <li>• Intertidal sand and muddy sand</li> <li>• Intertidal mud</li> <li>• Coastal saltmarshes and saline reedbeds</li> <li>• Intertidal sediments dominated by aquatic angiosperms</li> <li>• Subtidal coarse sediment.</li> </ul>
	Habitat FOCI	<ul style="list-style-type: none"> <li>• Seagrass beds.</li> </ul>
	Species FOCI	<ul style="list-style-type: none"> <li>• <i>Osmerus eperlanus</i></li> <li>• <i>Raja undulata</i>.</li> </ul>
Non-ENG Features (Geological/geomorphological)		<ul style="list-style-type: none"> <li>• Mosaic of Intertidal mud and coastal saltmarsh and saline reedbed.</li> </ul>

### Evidence Summary – data provided by Regional MCZ Projects

Feature	Evidence Summary	Key Sources
Low energy intertidal rock	Point and polygon data from MESH/MB0102. MESH score 71. 6 overlapping records. Data covers <50% of area.	MESH/MB0102;
Low energy infralittoral rock	Polygon data from MESH/MB0102; survey ID: GB001055. No point data. No other modelled data available.	MESH/MB0102;
Subtidal sand	Point data from Regional projects	Regional projects BS and

	BS (All_Biotopes_Final_MCZ) and polygon data from MESH/MB0102 (survey ID: GB001055). 8 point records less than 50% agreement with polygon. Data distributed <50% of polygon.	polygon data from MESH/MB0102
Subtidal mud	Point data from Regional projects BS (All_Biotopes_Final_MCZ) and point and polygon data from MESH/MB0102. 6 point records, less than 50% agreement with polygons. <50% distribution across rMCZ.	Regional projects BS (and point and polygon data from MESH/MB0102)
Subtidal mixed sediments	Point and polygon data from MESH/ UKSeaMap. 5 point records, less than 50% agreement with polygons. <50% distribution across rMCZ.	MESH/ UKSeaMap (Regional projects BS. Marine Recorder
Blue Mussel beds (including intertidal beds on mixed and sandy sediments)	Point and polygon data from MESH/ MB0102; 2 ground-truthed records and 50% agreeing with habitat polygon. Data >12 years old (1993)	MESH/ MB0102;
Peat and clay exposures	Point and polygon data from MESH/ MB0102; Survey ID's: GB000282 JNCCMNCR10000453 GB001070. No overlapping point records.	MESH/ MB0102;
Ross worm <i>Sabellaria spinulosa</i> reefs	Two point records from EA (survey ID: TARRAY04). 2 point records, >6 years old.	EA
Sheltered muddy gravels	Point data from Regional Projects BS and MESH (Survey ID's: JNCCMNCR10007621 and SWFWC03). Multiple point records throughout the rMCZ.	Regional Projects BS and MESH
Subtidal sands and gravels	Polygon data from MESH/UKseaMap; 13 point records (86% agreeing with HOCl). Not well distributed over >50% of feature.	MESH/UKSseaMap and MB0102 and regional project BS
<i>Ostrea edulis</i>	2 point records, 1 <12 years old.	Regional project BS and

		MB0102; and survey name: Kent Marine Group Intertidal Surveys 1986 - 2003.
<i>Anguilla anguilla</i>	No data available	No data available

#### Description of New Evidence Identified by MB0116 project

Evidence Description	Source	Feature
Richardson, C. A., S. A. Collis, et al. (1993). "The age determination and growth rate of the European flat oyster, <i>Ostrea edulis</i> , in British waters determined from acetate peels of umbo growth lines."	ICES Journal of Marine Science: Journal du Conseil 50(4): 493-500.	<i>Ostrea edulis</i>

#### Evidence That Could Not Be Acquired by MB0116 project

Evidence Description	Source	Feature
Rock and thin sediment	British Geological Society	Broadscale habitats
EIA survey results	Scottish and Southern Energy, Power stations, Medway, gas - EIA	Features unknown
Abundances and regional distributional data of <i>Anguilla anguilla</i>	Cefas: ROGERS, S. I. AND MILLNER, R. S., 1996. Factors affecting the annual abundance and regional distribution of English inshore demersal fish populations: 1973 to 1995. ICES J. mar Sci., 53: 1094-1112.	<i>Anguilla Anguilla</i>
Abundances and regional distributional data of <i>Anguilla anguilla</i>	Cefas: S.I. Rogers*, R.S. Millner* and T.A. Mead* (1998) Science Series, Technical Report, CEFAS, Lowestoft, 108: 130pp	<i>Anguilla anguilla</i>