Beachy Head East (rMCZ13.1) Evidence Review Template

Region	**Balanced Seas**	
Site Name/number	**Beachy Head East rMCZ BS13.1**	
ENG Features present and proposed for inclusion within MCZ designation	BSH	• High energy intertidal rock • Moderate energy intertidal rock • Intertidal coarse sediment • Intertidal mixed sediments • Subtidal sand • Subtidal mixed sediments.
	Habitat FOCI	• Blue Mussel beds (including intertidal beds on mixed and sandy sediments) • Littoral chalk communities • Peat and clay exposures • Ross worm *Sabellaria spinulosa* reefs • Subtidal chalk.
	Species FOCI	• *Hippocampus hippocampus* • *Ostrea edulis* • *Anguilla anguilla.*
ENG Features present but not proposed for inclusion within MCZ designation	BSH	-
	Habitat FOCI	• Subtidal sands and gravels.
	Species FOCI	• *Osmerus eperlanus* • *Raja undulata.*
Non-ENG Features (Geological/geomorphological)		-

Evidence Summary – data provided by Regional MCZ Projects

Feature	**Evidence Summary**	**Key Sources**
High energy intertidal rock	Point and polygon data from MB102 and MESH. Survey Ids: GB001070 MRCON01700000110. MESH confidence score is 1. Only 1 point record available. Non-conflicting modelled data available.	MB102 and MESH.
Moderate energy intertidal rock	Point and polygon data from MESH and MB102. Survey Ids: GB000317 GB000318 GB001070 JNCCMNCR60014690. MESH confidence score is 1. Only 1 point record available.	MESH and MB102
Intertidal coarse sediment	Polygon data from MESH and MB102. Survey Id: GB001070.MESH confidence score is 1. No validation	MESH and MB102

	sample	
Intertidal mixed sediments	Polygon data from MESH and MB102. Survey Id: GB001070.MESH confidence score is 1. No validation sample	MESH and MB102.
Subtidal sand	Many point and polygon data from multiple sources including: GB000456, GB001097, GB100102, GB001055. Multiple validation points with >90% agreement but the data does not cover >50% of the area.	MESH, UK SeaMap, Regional Projects - BS
Subtidal mixed sediments	Point and polygon data from various sources. The MESH confidence score of the polygons (GB000456, GB001097, GB100102) is 69 and multiple point data overlay the polygons. The data does not cover more than 50% of the area.	MESH Regional Projects - BS
Blue Mussel beds (including intertidal beds on mixed and sandy sediments)	Point and polygon data from MB102, MESH, Regional Projects – BS. 2 validation samples from the point data and less than 50% habitat coverage.	MB102, MESH, Regional Projects - BS
Littoral chalk communities	Point and polygon data from MESH and MB102. 2 validation samples but less than 50% agreement with habitat type.	MESH and MB102.
Peat and clay exposures	Point data is available for the assessment from MESH, MB102, Regional Projects - BS and Regional Projects - NG.	MESH, MB102, Regional Projects - BS and Regional Projects - NG.
Ross worm *Sabellaria spinulosa* reefs	5 ground truthed point records. Small colonies of *S. spinulosa* on wave-cut platform. Data more than 12 years old.	MESH, MB102, Regional Projects - BS and Regional Projects - NG
Subtidal chalk	There are two ground truthed point records for this habitat.	MESH, Regional Projects - BS,
Hippocampus hippocampus	Only one point record for this species within the rMCZ.	Regional Projects – BS.
Ostrea edulis	2 point records for the species, both of which are older than 12 years.	MB102
Anguilla anguilla	No GI data available	No GI data available

Description of New Evidence Identified by MB0116 project

Evidence Description	Source	Feature
BS_Sample_HOCI_1982_MCZ_2	SeaSearch	Blue mussel *(Mytilus edulis)*

		beds Ross worm *(Sabellaria spinulosa)* reefs Subtidal chalk
BS_Sample_Species_1982_MCZ	SeaSearch	*Ostrea edulis*
Eastbourne_Survey_Seafish_July08_MCZ	Sussex IFCA	Subtidal chalk
MarineRecorderBSH_MCZ	Marine Recorder – MBA	
MALSF_2007_Survey_EUNIS_JNCC_MCZ	Sussex IFCA	Subtidal chalk

Evidence That Could Not Be Acquired by MB0116 project

Evidence Description	**Source**	**Feature**
Rock and thin sediment shape files.	British Geological Society	Broadscale habitats
Abundances and regional distributional data of *Anguilla anguilla*	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.	*Anguilla anguilla,*
Abundances and regional distributional data of *Anguilla anguilla*	Cefas: S.I. Rogers*, R.S. Millner* and T.A. Mead* (1998) Science Series, Technical Report, CEFAS, Lowestoft, 108: 130pp	*Anguilla anguilla*
Fish abundances from the Eastern English Channel and Southern North Sea. May include data on Anguilla anguilla, Osmerus eperlanus, Raja undulata.	Parker-Humphreys, M. (2005). Distribution and relative abundance of demersal fishes from beam trawl surveys in the eastern English Channel (ICES division VIId) and the southern North Sea (ICES division IVc) 1993-2001. Technical Reports.	*Anguilla anguilla*