

Bideford to Foreland Point (rMCZ43) Evidence Review

Region	Finding Sanctuary	
Site Name/number	Bideford to Foreland Point rMCZ FS43	
ENG Features present and proposed for inclusion within MCZ designation	BSH	<ul style="list-style-type: none"> • High energy intertidal rock • Moderate energy intertidal rock • Low energy intertidal rock • Intertidal coarse sediment • Intertidal sand and muddy sand • Intertidal mud • Intertidal mixed sediments • High energy infralittoral rock • Moderate energy infralittoral rock • High energy circalittoral rock • Subtidal coarse sediment • Subtidal sand.
	Habitat FOCI	<ul style="list-style-type: none"> • Honeycomb worm <i>Sabellaria alveolata</i> reefs.
	Species FOCI	<ul style="list-style-type: none"> • <i>Eunicella verrucosa</i> • <i>Paludinella littorina</i>.
ENG Features present but not proposed for inclusion within MCZ designation	BSH	-
	Habitat FOCI	<ul style="list-style-type: none"> • Subtidal sands and gravels.
	Species FOCI	<ul style="list-style-type: none"> • <i>Phymatolithon calcareum</i> • <i>Hippocampus hippocampus</i>.
Non-ENG Features (Geological/geomorphological/biological)		<ul style="list-style-type: none"> • <i>Phocoena phocoena</i> • <i>Halychoerus grypus</i> • <i>Uria aalge</i> • <i>Alca torda</i>.

Evidence Summary – data provided by Regional MCZ Projects

Feature	Evidence Summary	Key Sources
High energy intertidal rock	MESH and MB0102 Intertidal BSH Polygon data (Survey ID: GB001070) confidence score: 1; 10 validation points - 4 out of 16 within polygon. Distributed over <50% of the MCZ.	MESH/ MB0102 MB0102
Moderate energy intertidal rock	MESH polygon and MB0102 Intertidal BSH data (Survey ID BG001070). MESH confidence score: 1; 4 validation points. No points overlapping Polygon data. Distributed over <50% MCZ.	MESH and MB0102 Intertidal BSH data and MB0102
Low energy intertidal rock	MESH point data and predicted modelled polygon data from MB0102. MESH Confidence	MESH and MB0102

	score 42; 3 validation points. 2 out of 16 agree with BSH.	
Intertidal coarse sediment	MESH and MB0102 predicted modelled polygon data. MESH confidence score: 1; no validation points.	MESH and MB0102
Intertidal sand and muddy sand	Predicted modelled polygon data from MB0102 ID's GB000284 and GB001070. Point data from MESH. MESH confidence score of 42; 3 validation points - 0 overlay BSH.	MB0102; MESH
Intertidal mud	Predicted modelled polygon data from MB0102 and MESH. MESH confidence score 1; no validation points. Distributed over <50% MCZ.	MB0102 and MESH;
Intertidal mixed sediments	Predicted modelled polygon data from MESH and MB0102. MESH confidence score 1; no validation points.	MESH and MB0102;
High energy infralittoral rock	Predicted modelled polygon from MESH/UKSeaMap and Point data from MESH. No confidence score; 31 validation points. 3 out of 48 overlapping BSH; or 3 out of 18 if just classified ones.	MESH/UKSeaMap and MESH
Moderate energy infralittoral rock	MESH point data and predicted modelled polygon data from MESH/UKSeaMap. No confidence scores. 13 validation points (none of which overlap BSH). Not distributed over more than 50%.	MESH, MESH/UKSeaMap.
High energy circalittoral rock	Predicted modelled polygon data from MESH/UKSeaMap. Point data from MESH. No MESH confidence score; 10 validation points (none of which overlap BSH). Data not distributed over 50% of rMCZ	MESH/UKSeaMap. Point data from MESH
Subtidal coarse sediment	Point data from MESH; Predicted modelled polygon data from MESH/UKSeaMap; No MESH confidence score; 2 validation points (out of 80). Data not well distributed.	MESH MESH/UKSeaMap;
Subtidal sand	Point data from MESH and	MESH;

	predicted modelled polygon data from MESH/UKSeaMap. No confidence score; 6 validation points (3/11 agree with BSH, <50% agreeing with BSH). Data not well distributed.	MESH/UKSeaMap
Honeycomb worm <i>Sabellaria alveolata</i> reefs	One point datum from MB0102 and MESH	MB0102
<i>Eunicella verrucosa</i>	Point data from MB0102; collected by specialists; 3 records. 2 records less than 12 years old.	MB0102;
<i>Paludinella littorina</i>	Point data from MB0102; one record.	MB0102;

Description of New Evidence Identified by MB0116 project

Evidence Description	Source	Feature
North_Devon_Legend_Apr_16_2010_MCZ	SW_Habitat_Mapping	Intertidal coarse sediment Intertidal mud
County_Devon_All_MCZ	SW_Habitat_Mapping_BAP	Intertidal coarse sediment Intertidal mud
Habmap_Points_181109_MCZ	HabMap 2009, K Mortimer & H Wilson	High energy infralittoral rock Moderate energy infralittoral rock Subtidal coarse sediment High energy circalittoral rock Subtidal sand
Jer4290_Aa_Benthic_Draftepifaunabiotopes_Rps_110721_A_MCZ	RWE Npower Renewables Limited	High energy circalittoral rock Subtidal sand
FS_sample_species_1982_MCZ	Seasearch Survey	<i>Eunicella verrucosa</i>
The status, distribution and ecology of <i>Paludinella littorina</i> in the British Isles (Delle Chiaje, 1828) And dataset EID_15_16_MCZ	Journal of Conchology	<i>Paludinella littorina</i>

Evidence That Could Not Be Acquired by MB0116 project

Evidence Description	Source	Feature
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Rock and thin sediment.	British Geological Society	Broadscale habitats
Sightings of Hippocampus sp.	The Seahorse Trust database.	<i>Hippocampus</i> sp.