

Mounts Bay (rMCZ33) Evidence Review

Region	Finding Sanctuary	
Site Name/number	Mounts Bay rMCZ FS33	
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 • Intertidal coarse sediment • Intertidal sand and muddy sand • Intertidal mixed sediments • High energy infralittoral rock • Subtidal sand • Subtidal mixed sediments.
	Habitat FOCI	<ul style="list-style-type: none"> • Seagrass beds.
	Species FOCI	<ul style="list-style-type: none"> • <i>Gobius cobitis</i> • <i>Haliclystus auricula</i> • <i>Lucernariopsis campanulata</i> • <i>Lucernariopsis cruxmelitensis</i> • <i>Arctica islandica</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>Atrina pectinata</i>. • <i>Anguilla anguilla</i>
Non-ENG Features (Geological/geomorphological)		-

Evidence Summary – data provided by Regional MCZ Projects

Feature	Evidence Summary	Key Sources
High energy intertidal rock	Polygon data from MB0102, MESH. MESH score 1; Low confidence modelled dataset. MB0102 overlap with MESH. No validation points.	Polygon data from MB0102, MESH.
Moderate energy intertidal rock	Polygon data from MB0102, MESH. MESH score 1; Low confidence modelled dataset. MB0102 overlap with MESH. No validation points.	Polygon data from MB0102, MESH.
Intertidal coarse sediment	Polygon data from MB0102, MESH. MESH score 1; Low confidence modelled dataset. MB0102 overlap with MESH. No validation points even in additional surveys	Polygon data from MB0102, MESH.
Intertidal sand and muddy sand	Polygon data from MB102, MESH. MESH score 1; Low confidence modelled dataset. MB102 overlap with MESH. No validation points	Polygon data from MB102, MESH.
Intertidal mixed	Polygon data from MB102, MESH.	Polygon data from MB102,

sediments	MESH score 1; Low confidence modelled dataset. MB102 overlap with MESH. No validation points	MESH.
High energy infralittoral rock	Polygon data from MB102, MESH. MESH score 1; Low confidence modelled dataset. MB102 overlap with MESH. No validation points	Polygon data from MESH
Subtidal sand	Polygon data from MB102, MESH GB001055 MESH score 1; Low confidence modelled dataset. MB102 overlap with MESH. No validation points	Polygon data from MESH/UKSeaMap
Subtidal mixed sediments	Polygon data from MB102, MESH. MESH score 1; Low confidence modelled dataset. MB102 overlap with MESH. No validation points	Polygon data from MESH
Seagrass beds	MB102, No validation points	MB102,
<i>Gobius cobitis</i>	Three records of the species in Mounts Bay (survey ids D14486, Y65449, SR00000200035X1W) only one was in the last 6 years, and the determiners were not identified in the dataset.	Regional Projects - FS
<i>Haliclystus auricula</i>	Point data from Finding Sanctuary Regional project data (surveys: P42845, D66280, Y39651, Y39650) – 4 records >12 years old.	Finding Sanctuary Regional project data
<i>Lucernariopsis campanulata</i>	Finding Sanctuary Regional project data (Survey name: P42870) and MB0102 Point data – 2 records >12 years old	Finding Sanctuary Regional project data and MB0102
<i>Lucernariopsis cruxmelitensis</i>	MB0102 (MPALAYERS000011) Point data – 1 record >12 years old from 1978	MB0102
<i>Arctica islandica</i>	No data	

Description of New Evidence Identified by MB0116 project

Evidence Description	Source	Feature
Stewart et al. 1994 Scarce plants of Britain		Seagrass beds
County_Cornwall_Scilly_MCZ	SW_Habitat_Mapping_BAP	Intertidal coarse sediment
Lizard_Legend_Apr_16_2010_MCZ	SW_Habitat_Mapping	Intertidal coarse sediment
Marinerecorderspecies_MCZ	Porcupine Marine Natural History Society	<i>Arctica islandica</i>

Evidence That Could Not Be Acquired by MB0116 project

Evidence Description	Source	Feature
Surveys undertaken during the EIA	(Pinnington 2010).	Seagrass beds

process for the Harbour Revision Order – details in Penzance Harbour Technical Briefing		
Rock and thin sediment.	British Geological Society	Broadscale habitats
Compilation of all survey data carried out in the area. Exact content unknown.	ERCCIS (Cornwall Wildlife Trust)	<i>Padina pavonica</i> and other unknown features