

The Needles (rMCZ20) Evidence Review

Region	Balanced Seas	
Site Name/number	The Needles rMCZ BS20	
ENG Features present and proposed for inclusion within MCZ designation	BSH	<ul style="list-style-type: none"> Subtidal mixed sediments.
	Habitat FOCI	<ul style="list-style-type: none"> Seagrass beds.
	Species FOCI	<ul style="list-style-type: none"> <i>Padina pavonic</i> <i>Lucernariopsis campanulata</i>.
ENG Features present but not 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 Moderate energy infralittoral rock Low energy infralittoral rock Moderate energy circalittoral rock.
	Habitat FOCI	<ul style="list-style-type: none"> Native Oyster <i>Ostrea edulis</i> beds Subtidal chalk Subtidal sands and gravels.
	Species FOCI	<ul style="list-style-type: none"> <i>Ostrea edulis</i> <i>Osmerus eperlanus</i> <i>Anguilla anguilla</i> <i>Raja undulata</i>.
Non-ENG Features (Geological/geomorphological)		-

Evidence Summary – DATA PROVIDED BY Regional MCZ Projects

Feature	Evidence Summary	Key Sources
Subtidal mixed sediments	Point and Polygon data from MESH. No overlapping point data. Polygon data covers more than 50% of the rMCZ.	MESH
Seagrass beds	Point data from Regional Projects - BS. No polygon data. 1 HOCl in the rMCZ. Clustering the point data gives very good coverage of the habitat within the area.	Seagrass_point_present_1995_MCZ
<i>Padina pavonica</i>	Point and polygon data from Regional Projects - BS. 7 records collected by specialists in the last 6 years.	PadinaPointData_MCZ PadinaArea_MCZ Non_mobile_Species_MCZ
<i>Lucernariopsis campanulata</i>	Point data from MB102 (Non_mobile_Species_MCZ). Only 1 point record for the species.	MB0102

Description of New Evidence Identified by MB0116 project

Evidence Description	Source	Feature
BS_Sample_HOCI_1982_MCZ_2	SeaSearch	Seagrass beds
Seagrass_Inventory_Points_MCZ	Hampshire and Isle of Wight Wildlife Trust	Seagrass beds
Critchley, A. (1983). The establishment and increase of <i>Sargassum muticum</i> (Yendo) Fensholt populations within the Solent area of southern Britain. An investigation of the increase in number of population individuals.,	Walter de Gruyter, Berlin/New York Berlin, New York.	<i>Padina pavonica</i>

Evidence That Could Not Be Acquired

Evidence Description	Source	Feature
Rock and thin sediment.	British Geological Society	Broadscale habitats
Local knowledge from colleagues, MSc and PhD theses at Portsmouth University.	Portsmouth University	Features unknown
Recent survey data from the record centre	Isle of Wight Records Centre	Features unknown
Recent survey data from the record centre	Hampshire Records Centre	Features unknown