

North St George's Channel (RMCZ3) Evidence Review

Region	Irish Sea Conservation Zones	
Site Name/number	North St George's Channel rMCZ ISCZ3	
ENG Features present and proposed for inclusion within MCZ designation	BSH	<ul style="list-style-type: none"> • High energy circalittoral rock • Moderate energy circalittoral rock • Subtidal coarse sediment • Subtidal sand • Subtidal mixed sediments • Subtidal biogenic reefs.
	Habitat FOCI	<ul style="list-style-type: none"> • Horse mussel (<i>Modiolus modiolus</i>) beds • Subtidal sands and gravels.
	Species FOCI	-
ENG Features present but not proposed for inclusion within MCZ designation	BSH	-
	Habitat FOCI	<ul style="list-style-type: none"> • Ross worm <i>Sabellaria spinulosa</i> reefs.
	Species FOCI	<ul style="list-style-type: none"> • <i>Arctica islandica</i>.
Non-ENG Features (Geological/geomorphological)		<ul style="list-style-type: none"> • Drumlins

Evidence Summary – data provided by Regional MCZ Project

Feature	Evidence Summary	Key Sources
High energy circalittoral rock	The presence of this broadscale habitat is based on predictive modelling from UK SeaMap (I.D. GB001055) There are no ground truthed datapoints	UK SeaMap
Moderate energy circalittoral rock	The presence of this broadscale habitat is based on three data polygons based on predictive modelling from UK SeaMap (I.D. GB001055) verified by survey data points sourced from MESH and originating from Marine Recorder	UK SeaMap
Subtidal coarse sediment	The presence of this broadscale habitat is based on predictive modelling from UK SeaMap) and 82 validation data points from surveys and sourced from MESH and originating from Marine Recorder:	UK SeaMap MESH datapoints Cefas datapoint
Subtidal sand	The presence of this broadscale habitat is based on data polygons created from model predictions and sourced from UK SeaMap I.D. GB001055)) and 60 survey datapoints sourced from MESH originating from Marine Recorder	UK SeaMap MESH
Subtidal mixed	The presence of this broadscale habitat is	UK SeaMap

sediments	based on predictive modelling data from UK SeaMap and validated by 127 survey datapoints: sourced from MESH (21) (project MB0102)	
Subtidal biogenic reefs	No data	
Horse mussel (<i>Modiolus modiolus</i>) beds	No data	
Subtidal sands and gravels	The presence of this habitat feature is based on predictive modelled data from MESH/UK SeaMap, supported by multiple data polygons sourced from project MB0102 and validated by multiple datapoints sourced from MESH and originating from Marine Recorder and MB0102 (MPALAYERS000052)	UK SeaMap MB0102

Description of New Evidence Identified by MB0116 project

Evidence Description	Source	Feature
Kenyon,N.H.; Stride,A.H.1970. The tide-swept continental shelf sediments between the Shetland Isles and France.	Sedimentology, 14; 159-173	Subtidal sand
Habmap_Biotopes_L3_4_MCZ	HabMap 2009, K Mortimer & H Wilson	High energy circalittoral rock Subtidal coarse sediment Subtidal sand Subtidal mud Subtidal mixed sediments Subtidal biogenic reefs Subtidal sands and gravels Horse mussel (<i>Modiolus modiolus</i>) beds
Habmap_Points_181109_MCZ	HabMap 2009, K Mortimer & H Wilson	Moderate energy circalittoral rock Subtidal mixed sediments
Habitat_Data_MCZ, CEND 13/07	Cefas	Subtidal coarse sediment Subtidal sand Subtidal sands and gravels
REES, I. (2005) Assessment of the status of horse mussel (<i>Modiolus modiolus</i>) beds in the Irish Sea off NW Anglesey.	Data set obtained from BGS SEA data portal in 2011	Subtidal biogenic reefs Horse mussel (<i>Modiolus modiolus</i>) beds
Sample_Biotope_MCZ	Countryside Council for Wales	Subtidal mixed sediments Subtidal sands and gravels
MarineRecorderHabitats_MCZ, 2005 CCW HABMAP sublittoral	Marine recorder - MBA	Subtidal sands and gravels

survey 2008_05 - RV Cefas Endeavour - Submarine Structures in the Mid Irish Sea and Solan Bank		
Robert_Irving_Data_BSH_MCZ 2004_10 - SV Kommandor Jack - SEA6 Irish Sea Survey Leg 3 2003_07 - RV Prince Madog - Irish Sea Pilot Project	Marine Recorder - Robert Irvine	High energy circalittoral rock Subtidal coarse sediment Subtidal sand Subtidal mixed sediments

Evidence That Could Not Be Acquired by MB0116 project

Evidence Description	Source	Feature
Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey) JNCC Report No. 423. JNCC Survey.	Blyth-Skyrme, V. Lindenbaum, C., Verling, E., Van Landeghem, K., Robinson, K., Mackie A., & Darbyshire T. 2008	Unknown
Ecology of Marine Bivalves: An Ecosystem Approach. Boca Raton (FL):CRC Press.	DAME, RF. 1996.	Unknown