

## North Norfolk Blue Mussel Beds (rRA 1) Evidence Review

Region	Net Gain	
Site Name/number	North Norfolk Blue Mussel Beds rRA NG1	
ENG Features present and proposed for inclusion within MCZ designation	BSH	<ul style="list-style-type: none"> <li>Moderate energy infralittoral rock</li> </ul>
	Habitat FOCI	<ul style="list-style-type: none"> <li>Blue Mussel beds (including intertidal beds on mixed and sandy sediments)</li> <li>Subtidal chalk</li> <li>Subtidal sands and gravels</li> </ul>
	SOCI	-
ENG Features present but not proposed for inclusion within MCZ designation	BSH	-
	Habitat FOCI	-
	SOCI	-
Non-ENG Features (Geological/geomorphological)		-

### Evidence Summary – data provided by Regional MCZ Project

Feature	Evidence Summary	Key Sources
Moderate energy infralittoral rock	The occurrence of this broad-scale habitat was supported by 1 Combined MESH/UKSeaMap GB001055 polygon and 1 predictive modelled UKSeaMap GB001055 polygon. No point data were available.	Combined MESH/UKSeaMap UKSeaMap
Blue Mussel beds (including intertidal beds on mixed and sandy sediments)	No geographical information was available in support of this habitat FOCI.	-
Subtidal chalk	The occurrence of this habitat FOCI was supported by polygon data derived from 1 MB0102 polygon. No point data were available.	MB00102
Subtidal sands and gravels	The occurrence of this habitat FOCI was supported by polygon data derived from MB0102 BGS modelled subtidal sands and gravels polygon. No point data were available.	MB0102

### Description of New Evidence Identified by MB0116 project

No new evidence was identified.

## Evidence That Could Not Be Acquired by MB0116 project

Evidence Description	Source	Feature
Eastern IFCA. 2011. Cromer blue mussel survey	Eastern IFCA	Blue mussel bed
Spray, R and Watson, D. 2010. North Norfolk's Chalk Reef, A report on marine surveys conducted by Seasearch East.	Seasearch	Subtidal Chalk
Hendrick, V.J., Foster-Smith, R.L., Davies, A.J., & Newell, R.C. 2011. <i>Biogenic Reefs and the Marine Aggregate Industry</i> . Cefas.	<a href="mailto:VJHendrick@gmail.com">VJHendrick@gmail.com</a>	Biogenic reef
Bolam, S.G., Barrio-Frojan, C.R.S., Eggleton, J.D., 2010. Macrofaunal production along the UK continental shelf. <i>Journal of Sea Research</i> , 64: 166-179	<a href="mailto:Christopher.Barrio@cefas.co.uk">Christopher.Barrio@cefas.co.uk</a>	Unknown
Kenny, A.J.; Rees, H.L.; Lees, R.G. (1991). An inter-regional comparison of gravel assemblages off the English east and south coasts: preliminary results. C.M. - International Council for the Exploration of the Sea, CM 1991(E:27). ICES[s.l.]. 6 + annexes pp.	<a href="mailto:Andrew.Kenny@cefas.co.uk">Andrew.Kenny@cefas.co.uk</a> Or ICES	Unknown
Cooper, K.M., Curtis, M., Wan Hussin, W.M.R., Barrio Froján, C.R.S., Defew, E.C., Nye, V., Patterson, D.M., 2011. Implications of dredging induced changes in sediment particle size composition for the structure and function of marine benthic macrofaunal communities. <i>Marine Pollution Bulletin</i> , 62: 2087-2094.	<a href="mailto:Keith.Cooper@cefas.co.uk">Keith.Cooper@cefas.co.uk</a>	Unknown
Edwards, E. 1997. <i>Molluscan fisheries in Britain</i> . NOAA Technical Report NMFS. 129. 85 pp.	NOAA	Unknown
George, J.D., Chimonides, P.J., Evans, N.J., & Muir, A.L. 1995. Fluctuations in the macrobenthos of a shallow-	Institute of Marine Biology of Crete	Unknown

water cobble habitat off North Norfolk, England. Biology and ecology of shallow coastal waters: <i>Proceedings of the 28th European Marine Biology Symposium</i> , Institute of Marine Biology of Crete, Iraklio, Crete, 1993.		
Lindeboom, H.J. & de Groot, S.J. 1998. IMPACT-II: <i>The effects of different types of fisheries on the North Sea and Irish Sea benthic Ecosystems</i> . NIOZ-Rapport. 1998(1)	Unknown	Unknown
Tittley, I. 1998. <i>Medium to long-term studies on the rocky shore vegetation of North Norfolk.</i> , IN Scott, G.W. & Tittley, I.(eds.), Centre for Environmental Research into Coastal Issues, Scarborough.	Open University	Unknown
Yates, M.G., Garbutt, R.A., Barratt, D.R., Turk, T., Brown, N.J., Rispin, W.E.R., McGrorty, S., SEA, I., V, Goss-Custard, J. & Murray, E. 2001. Littoral sediments of the Wash and North Norfolk Coast SAC: the 1998 and 1999 surveys of inter-tidal sediment and invertebrates.	Unknown	Unknown