

## Alde Ore Estuary (NG 1c) Evidence Review

Region	Net Gain	
Site Name/number	Alde Ore Estuary NG 1c	
ENG Features present and proposed for inclusion within MCZ designation	BSH	-
	Habitat FOCI	<ul style="list-style-type: none"> <li>• Estuarine rocky habitats</li> <li>• Sheltered muddy gravels</li> </ul>
	SOCI	<ul style="list-style-type: none"> <li>• <i>Osmerus eperlanus</i></li> </ul>
ENG Features present but not proposed for inclusion within MCZ designation	BSH	<ul style="list-style-type: none"> <li>• Low energy intertidal rock</li> <li>• Intertidal coarse sediment</li> <li>• Intertidal mud</li> <li>• Intertidal mixed sediments</li> <li>• Intertidal biogenic reefs</li> <li>• Subtidal sand</li> <li>• Subtidal mixed sediments</li> </ul>
	Habitat FOCI	<ul style="list-style-type: none"> <li>• Blue Mussel beds (including intertidal beds on mixed and sandy sediments)</li> </ul>
	SOCI	<ul style="list-style-type: none"> <li>• <i>Alkmaria romijni</i></li> <li>• <i>Anguilla Anguilla</i></li> </ul>
Non-ENG Features (Geological/geomorphological)		<ul style="list-style-type: none"> <li>• Orfordness (subtidal)</li> </ul>

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

Feature	Evidence Summary	Key Sources
Estuarine rocky habitats	The occurrence of this habitat FOCI was supported by polygon data derived from 3 Combined MESH/UKSeaMap GB000372 polygons and 141 MB102 GB000372 polygons. In total, 11 point records were available within the rMCZ in support of this habitat FOCI. These were derived from a number of projects including: MB102, MESH, and MNCR.	Combined MESH/UKSeaMap MB102
Sheltered muddy gravels	No polygon data was available to verify the occurrence this habitat FOCI. In total, 3 point records were available within the rMCZ in support of the habitat FOCI. These were derived from a number of projects including: MB102, MESH, and MNCR.	MB102
<i>Osmerus eperlanus</i>	No data	

### Description of New Evidence Identified by MB0116 project

Evidence Description	Source	Feature
Records of <i>Osmerus eperlanus</i> in the Alde Ore Estuary rMCZ (NG01c) were derived from EA TM4027456172 (2003). EA_smelt_eel_tracwater_MCZ	Environment Agency	<i>Osmerus eperlanus</i>

### Evidence That Could Not Be Acquired by MB0116 project

Evidence Description	Source	Feature
Hendrick, V. J., Foster-Smith, R. L. and Davies, A. J., 2011. Biogenic Reefs and the Marine Aggregate Industry. <i>Marine ALSF Science Monograph Series No. 3</i> . MEPF 10/P149. (Eds R. C. Newell & J. Measures). 60pp.	VJHendrick@gmail.com	Biogenic reef
Cooper, K.M., Curtis, M., Wan Hussin, W.M.R., Barrio Froján, C.R.S., Defew, E.C., Nye, V. and 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
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
Buck, A.L. and Donaghy, A., 1997. An Inventory of UK Estuaries: Eastern England. Joint Nature Conservation Committee. Peterborough. Vol 5, 120 pp.	JNCC	Unknown

