Holderness Inshore (NG 8) Evidence Review

Region	**Net Gain**	
Site Name/number	**Holderness Inshore NG 8**	
ENG Features present and proposed for inclusion within MCZ designation	BSH	• Intertidal mixed sediments • Subtidal coarse sediment • Subtidal sand
	Habitat FOCI	• Peat and clay exposures • Ross worm *Sabellaria spinulosa* reefs • Subtidal chalk • Subtidal sands and gravels
	SOCI	-
ENG Features present but not proposed for inclusion within MCZ designation	BSH	• Intertidal sand and muddy sand • Subtidal mixed sediments
	Habitat FOCI	• Littoral chalk communities
	SOCI	• *Anguilla Anguilla*
Non-ENG Features (Geological/geomorphological)		• Spurn Head

Evidence Summary – data provided by Regional MCZ Projects

Feature	**Evidence Summary**	**Key Sources**
Intertidal mixed sediments	The presence and extent of this broad-scale habitat was supported by 5 Combined MESH/UKSeaMap GB001070 polygons, and 20 MB0102 GB001070 polygons. No point data was available.	MB0102 Combined MESH/UKSeaMap
Subtidal coarse sediment	The presence and extent of this broad-scale habitat was supported by 3 Combined MESH/UKSeaMap GB001055 polygons and 2 UKSeaMap GB001055 polygons. 35 MESH points derived from numerous MNCR surveys further verified the presence of this habitat.	UKSeaMap Combined MESH/UKSeaMap
Subtidal sand	The occurrence of this broad-scale habitat was supported by 5 Combined MESH/UKSeaMap GB001100 and GB001055 polygons, 3 UKSeaMap GB001055 polygons and 1 Humber REC polygon. Point data from 30 MESH locations (derived from numerous MNCR surveys) provided further evidence to verify the presence and extent of this habitat.	Humber REC UKSeaMap Combined MESH/UKSeaMap
Peat and clay exposures	No polygon data supporting the occurrence of this habitat FOCI was identified. In total, 11 point records within the rMCZ supported the occurrence of peat and clay exposures. These were derived from a number of projects	MB0102 Combined MESH/UKSeaMap Regional Projects BS Regional Projects NG

	including: MB0102, MESH, Regional Projects BS and Regional Projects NG.	
Ross worm *Sabellaria spinulosa* reefs	No polygon data supporting the occurrence of ross worm reefs was identified. The presence of *Sabellaria spinulosa* reef was however supported by 16 point records within the rMCZ. These were derived from a number of projects including: MB0102, MESH, Regional Projects NG.	MB0102 Combined MESH/UKSeaMap Regional Projects NG.
Subtidal chalk	The presence and extent of this habitat FOCI was supported by 1 MB102 polygon and 8 point records. These were derived from a number of projects including: MB102, MESH, and Regional Projects NG	MB102 Combined MESH/UKSeaMap Regional Projects NG
Subtidal sands and gravels	The presence and extent of this habitat FOCI was supported by 8 Combined MESH/UKSeaMap GB001055 & GB001100 polygons, 1 MB0102 BGS Modelled subtidal sands and gravels polygon, 3 UKSeaMap GB001055 polygons and 1 Humber REC polygon. A total of 245 point records supporting the occurrence of this habitat were identified within the rMCZ. These were derived from a number of projects including: MB102, MESH, and MNCR.	Combined MESH/UKSeaMap MB0102 UKSeaMap Humber REC

Description of New Evidence Identified by MB0116 project

Evidence Description	Source	Feature
MarineRecorderHabitats_MCZ	Marine recorder - MBA	Peat and clay exposures
NG_Sample_HOCI_1982_MCZ_2	SeaSearch	Subtidal chalk

Evidence That Could Not Be Acquired by MB0116 project

Evidence Description	Source	Feature
Allen, J.H., 2000. The analysis and prediction of shallow subtidal benthic communities along the east coast of England. Unpublished PhD Thesis, University of Hull, 308pp	University of Hull	Unknown
Allen, J.H., 2008. Ecological Assessment of Yorkshire Coast Prohibited Trawling Areas. Report to North Eastern Sea Fisheries Committee, Institute	North Eastern Sea Fisheries Committee	Unknown

of Estuarine and Coastal Studies, University of Hull.		
Allen, J.H., 2008. Benthic Invertebrate Assessment of the Marine Environment at Aldbrough Gas Storage Facility: 2007. Draft report to SSE (Hornsea) Ltd. Institute of Estuarine and Coastal Studies, University of Hull.	SSE (Hornsea) Ltd	Unknown
Allen, J.H., 2008. Humber Gateway Offshore Windfarm Biotope and Cobble Reef Report. *Report to Environmental Resources Management Ltd.* Institute of Estuarine and Coastal Studies, University of Hull.	ERM Ltd	Unknown
Allen, J.H. Burlinson, F. and Burdon, D., 2008. Humber Gateway Offshore Windfarm *Sabellaria* Report. *Report to Environmental Resources Management Ltd.* Institute of Estuarine and Coastal Studies, University of Hull.	ERM Ltd	Unknown
Evans, C.D.R., Crosby, A. Wingfield, R.T.R.,m James, J.W.C., Slater, M.P. and Newsham, R., 1998. Inshore seabed characterisation of selected sectors of the English coast. *British Geological Survey Technical Report WB 98/45*	BGS	Unknown
Pell Frischmann Consultants Ltd, 2011 - surveying the East Yorkshire coastline from the Humber Estuary up to Flamborough Head for the East Riding of Yorkshire Council	East Riding of Yorkshire Council	Unknown
2011 DONG Energy Westermost Rough cable corridor	Dong	Unknown
York Field Development Project - Offshore Environmental Statement - Addendum	Centrica	Unknown
Godwin, H., 1943. Coastal peat beds of the British Isles.	Unknown	Peat and clay exposures

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Hendrick, V. J., Foster-Smith, R. L. and Davies, A. J., 2011. Biogenic Reefs and the Marine Aggregate Industry. *Marine ALSF Science Monograph Series No. 3.* MEPF 10/P149. (Eds R. C. Newell & J. Measures). 60pp.	VJHendrick@gmail.com	Biogenic reefs
Thomson, A.G., Fuller, R.M., Yates, M.G., Brown, S.L., Cox, R. and Wadsworth, R.A., 2003. The use of airborne remote sensing for extensive mapping of intertidal sediments and saltmarshes in eastern England. *International Journal of Remote Sensing*, 24 (13).	Dr. France Gerard Group Head, Earth Observation Centre for Ecology and Hydrology Wallingford. ffg@ceh.ac.uk	BSH, HOCI, SOCI.
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. *Marine Pollution Bulletin*, 62: 2087-2094.	Keith.Cooper@cefas.co.uk	Unknown
Humber Aggregate Dredging Association. Marine Aggregate Regional Environmental Assessment.	Humber Aggregate Dredging Association.	Unknown
Easington/Dimlington Gas Terminal	Unknown	Unknown
Withernsea Outfall	Yorkshire Water Services Ltd	Unknown
Bolam, S.G., Barrio-Frojan, C.R.S., Eggleton, J.D., 2010. Macrofaunal production along the UK continental shelf. *Journal of Sea Research*, 64 166-179	Christopher.Barrio@cefas.co.uk	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
Kenny, A.J., Rees, H.L. and	Andrew.Kenny@cefas.co.uk	Unknown

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.		