

**European Community Directive
on the Conservation of Natural Habitats
and of Wild Fauna and Flora
(92/43/EEC)**



**Second Report by the United Kingdom under
Article 17
on the implementation of the Directive
from January 2001 to December 2006**

**Conservation status assessment for
Habitat:
H1170 - Reefs**

The information in this assessment corresponds to the "habitat fact sheet" submitted by the UK to the European Union in February 2008 (second and final submission). Please note that this is a section of the UK's report. For the complete report visit <http://www.jncc.gov.uk/article17>

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Habitat Name: Reefs

1. National level	
Habitat Code	H1170
Member State	UK
Biogeographic regions concerned within the MS	MATL
1.1 Habitat range map	
1.2 Habitat distribution map	

2. Biogeographic level

2.1 Biogeographic region or marine region

MATL

2.2 Published sources and/or websites

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COHEN, A. N. AND CARLTON, J. T. 1998 Accelerating invasion rate in a highly invaded estuary. *Science*, 279, 555–557

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EUROPEAN COMMISSION 2006 Proposal for Updating the Interpretation Manual of European Union Habitats with three new definitions for the marine habitat types listed in Annex I of the 92/43 Habitats Directive: 1110 Sandbanks which are slightly covered by sea water all the time, 1170 Reefs, and 1180 Submarine structures made by leaking gases

GRAHAM C, CAMPBELL E, CAVILL J, GILLESPIE E & WILLIAMS R 2001 JNCC Marine Habitats Version 3: its structure and content. British Geological Survey Commissioned Report, CR/01/238, 45 pp. (the Reefs dataset was supplied under licence to JNCC, hence the reference to it on maps being "Seabed habitat derived from BGS 1:250,000 seabed sediment maps copyright NERC (Licence No.

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HARTNOLL, R.G. 1998 Volume VIII. Circalittoral faunal turf biotopes. Scottish Association of Marine Sciences (UK Marine SAC Project), Oban, Scotland. 109 pages.

HAUGAN, P.M., C. TURLEY & H. POERTNER 2006 EFFECTS ON THE MARINE ENVIRONMENT OF OCEAN ACIDIFICATION RESULTING FROM ELEVATED LEVELS OF CO₂ IN THE ATMOSPHERE, Document prepared by an intersessional working group, OSPAR

HILL, S. M.T. BURROWS, S.J. HAWKINS 1998 Intertidal Reef Biotopes (Volume VI). An overview of dynamics and sensitivity characteristics for conservation management of marine SACs. Scottish Association for Marine Science (UK Marine SACs Project). 84 Pages.

HOLT, T.J., E.I. REES, S.J. HAWKINS, R. SEED 1998 Biogenic Reefs (Volume IX). An overview of dynamic and sensitivity characteristics for conservation management of marine SACs. Scottish Association for Marine Science (UK Marine SACs Project). 170 Pages.

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JNCC (2004) MARINE NATURA 2000 - PROCESS FOR CONSIDERATION OF OFFSHORE SACs AND FOR SPAs AND SACs WHICH CROSS THE 12n MILE BOUNDARY Paper by Charlotte Johnston and Caroline Turnbull
<http://www.jncc.gov.uk/PDF/comm04P09.pdf>

JNCC 2007a JNCC defends Darwin Mounds! Cold-water coral reef protected from further damage
<http://www.jncc.gov.uk/default.aspx?page=3337>

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<http://www.scotland.gov.uk/Publications/1997/08/nppg13-coastal>

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UKBAP 2006b Habitat Action Plan for *Sabellaria spinulosa* reefs

<http://www.ukbap.org.uk/UKPlans.aspx?ID=38>

UKBAP 2006c Habitat Action Plan for *Modiolus modiolus* beds

<http://www.ukbap.org.uk/UKPlans.aspx?ID=37>

UKBAP 2006d Habitat Action Plan for Serpulid reefs

<http://www.ukbap.org.uk/UKPlans.aspx?ID=43>

UKBAP 2006e Habitat Action Plan for *Lophelia pertusa*

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2.3 Range of the habitat within the Biogeographic or marine region	
2.3.1 Surface area of range in square km	96981
2.3.2 Date of range determination	05/2007
2.3.3 Quality of data concerning range	Poor
2.3.4 Range trend	Stable (=)
2.3.5 Range trend magnitude in %	Not applicable
2.3.6 Range trend period	1994-2006
2.3.7 Reasons for reported trend	Not applicable
2.4 Area covered by habitat type within the range in the biogeographical region concerned.	
2.4.1 Surface area of the habitat type (sq km)	57236
2.4.2 Date of area estimation	05/2007
2.4.3 Method used for area estimation	2 - Based on remote sensing data
2.4.4 Quality of data on area	Moderate
2.4.5 Area trend	Stable (=)
2.4.6 Area trend magnitude in %	Not applicable
2.4.7 Area trend period	1994-2006
2.4.8 Reasons for reported trend	Not applicable
2.4.9 Justification of % thresholds for trends (optional)	Not applicable
2.4.10 Main pressures	<p>200 - Fish and Shellfish Aquaculture; 210 - Professional fishing; 210 - Professional fishing; 211 - fixed location fishing; 212 - trawling; 220 - Leisure fishing; 220 - Leisure fishing; 240 - Taking / Removal of fauna, general; 250 - Taking / Removal of flora, general; 300 - Sand and gravel extraction; 400 - Urbanised areas, human habitation; 410 - Industrial or commercial areas; 420 - Discharges; 510 - Energy transport; 512 - pipe lines; 621 - nautical sports; 621 - nautical sports; 690 - Other leisure and tourism impacts not referred to above; 700 - Pollution; 701 - water pollution; 701 - water pollution; 720 - Trampling, overuse; 800 - Landfill, land reclamation and drying out, general; 851 - modification of marine currents; 860 - Dumping, depositing of dredged deposits; 871 - sea defense or coast protection works; 952 - eutrophication; 954 - invasion by a species; 960 - Interspecific faunal relations; 970 - Interspecific floral relations; 974 - genetic pollution;</p>

2.4.11 Threats	200 - Fish and Shellfish Aquaculture; 210 - Professional fishing; 210 - Professional fishing; 211 - fixed location fishing; 212 - trawling; 220 - Leisure fishing; 240 - Taking / Removal of fauna, general; 250 - Taking / Removal of flora, general; 300 - Sand and gravel extraction; 400 - Urbanised areas, human habitation; 410 - Industrial or commercial areas; 420 - Discharges; 510 - Energy transport; 512 - pipe lines; 621 - nautical sports; 690 - Other leisure and tourism impacts not referred to above; 700 - Pollution; 701 - water pollution; 720 - Trampling, overuse; 800 - Landfill, land reclamation and drying out, general; 851 - modification of marine currents; 860 - Dumping, depositing of dredged deposits; 871 - sea defense or coast protection works; 900 - Erosion; 910 - Silting up; 930 - Submersion; 952 - eutrophication; 954 - invasion by a species; 960 - Interspecific faunal relations; 970 - Interspecific floral relations; 974 - genetic pollution;
Complementary information	
2.5.1 Favourable reference range (sq km)	Unknown
2.5.2 Favourable reference area (sq km)	Unknown
2.5.3 Typical species	<i>Apogon imberbis</i> ; <i>Astroides calycularis</i> ; <i>Babakina anadoni</i> ; <i>Boops boops</i> ; <i>Boops salpa</i> ; <i>Centrostephanus longispinus</i> ; <i>Charonia lampas</i> ; <i>Conger conger</i> ; <i>Diplodus sargus</i> ; <i>Diplodus vulgaris</i> ; <i>Epinephelus guaza</i> ; <i>Lithophaga lithophaga</i> ; <i>Muraena helena</i> ; <i>Octopus vulgaris</i> ; <i>Pinna nobilis</i> ; <i>Roboastra europea</i> ; <i>Scorpina porcus</i> ; <i>Sepia officinalis</i> ;
2.5.4 Typical species assessment	Not applicable
2.5.5 Other relevant information	
2.6 Conclusions (assessment of conservation status at end of reporting period)	
(2.3) Range	(XX) - Unknown
(2.4) Area	(XX) - Unknown
(2.5) Specific structures and functions (incl. typical species)	(XX) - Unknown
Future prospects	(XX) - Unknown
Overall assessment	(XX) - Unknown