

**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:
H1150 - Coastal lagoons**

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>

Please cite as: Joint Nature Conservation Committee. 2007. *Second Report by the UK under Article 17 on the implementation of the Habitats Directive from January 2001 to December 2006*. Peterborough: JNCC. Available from: www.jncc.gov.uk/article17

Habitat Name: Coastal lagoons

1. National level

Habitat Code H1150

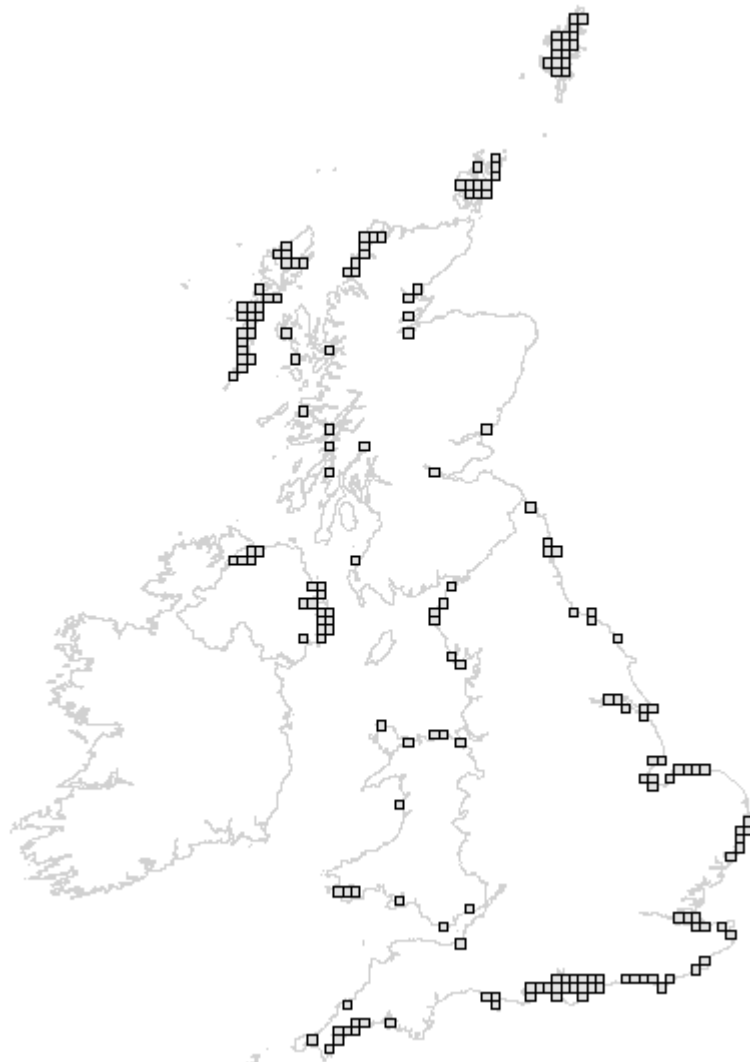
Member State UK

Biogeographic regions concerned within the MS ATL

1.1 Habitat range map



1.2 Habitat distribution map



2. Biogeographic level

2.1 Biogeographic region or marine region

ATL

2.2 Published sources and/or websites

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- BAMBER, R.N. 2004. Temporal variation and monitoring of important lagoonal communities and species in Wales. Countryside Council for Wales Marine Monitoring Report No. 12.
- BARNES, R.S.K. 1988. The Coastal Lagoons of Britain: An Overview. Nature Conservancy Council Report 933.
- BROOKER, R. & J. YOUNG, J. 2005. Climate change and biodiversity in Europe: a review of impacts, policy responses, gaps in knowledge and barriers to the exchange of information between scientists and policy makers, NERC Centre for Ecology and Hydrology, Banchory research station, Final Report for Defra Research Contract CRO326, Report presented at the European Platform for Biodiversity Research, Strategy meeting held under the UK Presidency, October 2005.
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- CARLTON, J.T. 1996. Pattern, process, and prediction in marine invasion ecology. *Biological Conservation*, 78, 97–106.
- COHEN, A. N. & CARLTON, J. T. 1998. Accelerating invasion rate in a highly invaded estuary. *Science*, 279, 555–557.
- DAVIDSON, N.C., LAFFOLEY, D D'A, DOODY, J.P., WAY, L.S., GORDON, J., KEY, R., DRAKE, C.M., PIENKOWSKI, M.W., MITCHELL, R & DUFF, K.L. 1991. Nature conservation and estuaries in Great Britain. Peterborough, Nature Conservancy Council.
- DE GROOT, S.J. & LINDEBOOM, H.J. 1994. Environmental impact of bottom gears on benthic fauna in relation to natural resources management and protection of the North Sea. Netherlands Institute for Sea Research, Texel.
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- EVERETT, S. 1993. Widewater Lagoon Management Plan. English Nature Science No 16.
- HAYS, G.C., RICHARDSON, A.J & ROBINSON, C. 2005. Climate change and marine plankton Trends in Ecology and Evolution, 20 (6), 337-344.
- INTERNATIONAL MARITIME ORGANIZATION 2004 International Convention for the Control and Management of Ships' Ballast Water and Sediments. http://www.imo.org/Conventions/mainframe.asp?topic_id=867
- JACKSON, D.L. & MCLEOD, C.R. (EDS). 2000. Handbook on the UK status of EC Habitats Directive interest features: provisional data on the UK distribution and extent of Annex I habitats and the UK distribution and population size of Annex II species, Revised 2002, JNCC Report 312, 180 pages, ISSN 0963-8091.
- JNCC. 2004. Common Standards Monitoring Guidance for Generic Introduction for Marine Feature Guidance, ISSN 1743-8160 (online).
- MUMBY, P.J. 2000. Evaluation of the potential for using airborne remote sensing for monitoring lagoons in the Loch Madadh SAC. Natura 2000 Report.
- OSPAR. 2000. Quality Status Report 2000 Chapter 5 - Biology www.ospar.org/eng/html/welcome.html
- PYE, K. & FRENCH, P.W. 1993. Targets for coastal habitat recreation. English Nature Science 13. English Nature, Peterborough.

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| | <p>RUIZ, G.M., CARLTON, J.T., GROSHOLZ, E.D., HINES, A.H. 1997. Global invasions of marine and estuarine habitats by non-indigenous species: Mechanisms, extent, and consequences. <i>American Zoologist</i>, 37, 621–632.</p> <p>RUIZ, G.M., FOFONOFF, P.W., CARLTON, J.T., et al. 2000. Invasion of coastal marine communities in North America: apparent patterns, processes, and biases. <i>Annual Review of Ecology and Systematics</i>, 31, 481–531.</p> <p>SAUNDERS, G. 2004. Site condition monitoring: review and baseline survey of specified saline lagoons in the Outer Hebrides. Scottish Natural Heritage Commissioned Report No. 061.</p> <p>SEWELL, J. & HISCOCK, K. 2005. Effects of fishing within UK European Marine Sites: guidance for nature conservation agencies. Report to the Countryside Council for Wales, English Nature and Scottish Natural Heritage from the Marine Biological Association. Plymouth: Marine Biological Association. CCW Contract FC 73-03-214A. 195 pp.</p> <p>SCOTTISH EXECUTIVE. 1997. NPPG 13: Coastal Planning.</p> <p>SMITH, K. 2006. A multidisciplinary study of the Morfa Gwyllt Spit Lagoon. M.Sc. Thesis. University of Wales, Aberystwyth. Countryside Council for Wales Marine Monitoring Report No 44.</p> <p>SMITH, B.P. & LAFFOLEY, D.A. 1992. A directory of saline lagoons and lagoon-like habitats in England. <i>English Nature Science No .6</i>.</p> <p>WELSH ASSEMBLY. 1998. TAN 14: Coastal Planning.</p> <p>WILLIAMS, J.M. (ED). 2006. Common Standards Monitoring for Designated Sites: First Six Year Report. JNCC, Peterborough.</p> <p>UKBAP. 2006. 2005 Lead Partner Reporting, www.ukbap.org.uk/GenPageText.aspx?id=105</p> |
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2.3 Range of the habitat within the Biogeographic or marine region

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| 2.3.1 Surface area of range in square km | 55 |
| 2.3.2 Date of range determination | 05/2007 |
| 2.3.3 Quality of data concerning range | Good |
| 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.

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| 2.4.1 Surface area of the habitat type (sq km) | 55 |
| 2.4.2 Date of area estimation | 05/2007 |
| 2.4.3 Method used for area estimation | 1 - Only or mostly based on expert opinion |
| 2.4.4 Quality of data on area | Good |
| 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 |

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| 2.4.10 Main pressures | 200 - Fish and Shellfish Aquaculture; 210 - Professional fishing; 211 - fixed location fishing; 220 - Leisure fishing; 221 - bait digging; 400 - Urbanised areas, human habitation; 410 - Industrial or commercial areas; 420 - Discharges; 504 - port areas; 510 - Energy transport; 512 - pipe lines; 520 - Shipping; 600 - Sport and leisure structures; 621 - nautical sports; 700 - Pollution; 701 - water pollution; 720 - Trampling, overuse; 800 - Landfill, land reclamation and drying out, general; 801 - polderisation; 802 - reclamation of land from sea, estuary or marsh; 820 - Removal of sediments (mud...); 853 - management of water levels; 860 - Dumping, depositing of dredged deposits; 900 - Erosion; 952 - eutrophication; 954 - invasion by a species; 960 - Interspecific faunal relations; 970 - Interspecific floral relations; 974 - genetic pollution; |
| 2.4.11 Threats | 210 - Professional fishing; 211 - fixed location fishing; 220 - Leisure fishing; 240 - Taking / Removal of fauna, general; 250 - Taking / Removal of flora, general; 400 - Urbanised areas, human habitation; 410 - Industrial or commercial areas; 420 - Discharges; 504 - port areas; 512 - pipe lines; 520 - Shipping; 600 - Sport and leisure structures; 621 - nautical sports; 700 - Pollution; 701 - water pollution; 800 - Landfill, land reclamation and drying out, general; 801 - polderisation; 802 - reclamation of land from sea, estuary or marsh; 820 - Removal of sediments (mud...); 851 - modification of marine currents; 853 - management of water levels; 860 - Dumping, depositing of dredged deposits; 871 - sea defense or coast protection works; 900 - Erosion; 952 - eutrophication; 954 - invasion by a species; 960 - Interspecific faunal relations; 969 - other forms or mixed forms of interspecific faunal competition; 973 - introduction of disease; |
| Complementary information | |
| 2.5.1 Favourable reference range (sq km) | 55 |
| 2.5.2 Favourable reference area (sq km) | 55 |
| 2.5.3 Typical species | none listed |
| 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 | (FV) - Favourable |
| (2.4) Area | (FV) - Favourable |
| (2.5) Specific structures and functions (incl. typical species) | (FV) - Favourable |
| Future prospects | (U1) - Inadequate |
| Overall assessment | (U1) - Inadequate |