

**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:**

**H2170 - Dunes with *Salix repens* ssp. *argentea*  
(*Salicion arenariae*)**

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: Dunes with *Salix repens* ssp. *argentea* (*Salicion arenariae*)**

**1. National level**

Habitat Code H2170

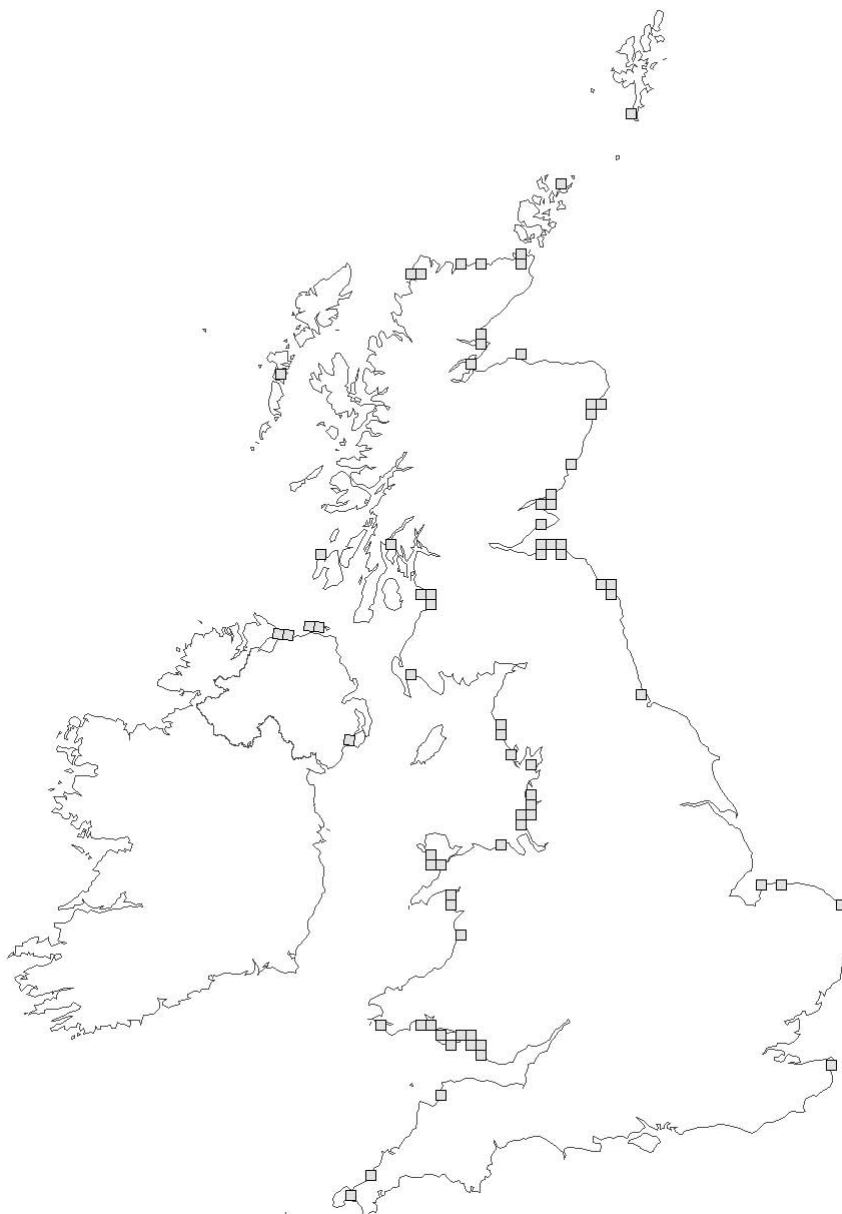
Member State UK

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

Air Pollution Information System 2004. [www.apis.ceh.ac.uk](http://www.apis.ceh.ac.uk)

CLARKE D. (Viewed 23/1/07). Climate change and the Water Balance in coastal aquifers, School of Civil Engineering and the Environment University of Southampton.

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DARGIE, T. 1993. Sand dune vegetation survey of Great Britain. Part 3 – Wales. Joint Nature Conservation Committee, Peterborough.

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DARGIE, T. 2002. Ecological assessment of *Hippophae rhamnoides*. A report to English Nature (East Midlands Team). EN contract 12.5.2-2.

DARGIE, T. 2002. Sand dune vegetation survey of Scotland: National report. SNH Research, Survey and Monitoring Report series. Scottish Natural Heritage, Battleby.

HAINES-YOUNG R.H., BARR C. B, BLACK H.I.J., BRIGGS D.J., BUNCE R.G.H., CLARKE R.T., COOPER A., DAWSON F.H., FIRBANK L.G., FULLER R.M., FURSE M.T., GILLESPIE M.K., HILL R., HORNUNG M., HOWARD D.C., MCCANN T., MORECROFT M.D., PETIT S., SIER A.R.J., SMART S.M., SMITH G.M., STOTT A.P., STUART R.C. & WATKINS J.W. 2000. Accounting for nature: assessing habitats in the UK countryside. London: Department of the Environment, Transport and the Regions.

HOLLINGHAM, M. 2005. Presentation on the Hydrology of the Warren for the Habitats and Species Group Meeting of the Newborough Warren Liaison Partnership.

[HTTP://WWW.BANGOR.AC.UK/~AZS808/NEWBROLPPRESENT.HTM](http://www.bangor.ac.uk/~AZS808/newbrolppresent.htm)

HOLLINGHAM M 24/01/2007. Comments on the CEH Preliminary Hydrological Review for the Newborough Liaison Partnership & Hydrological monitoring report for Newborough June-December 2006 [m.hollingham@gmail.com](mailto:m.hollingham@gmail.com)

JACKSON, DL & MCLEOD, CR (eds.) 2002. 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. JNCC Report no. 312. Version 2. [www.jncc.gov.uk/page-2447](http://www.jncc.gov.uk/page-2447)

JOINT NATURE CONSERVATION COMMITTEE 2005) Common Standards Monitoring (CSM). Joint Nature Conservation Committee, Peterborough [www.jncc.gov.uk/page-2217](http://www.jncc.gov.uk/page-2217)

JONES MLM et al 2002. Changing nutrient budget of sand dunes: consequences for the nature conservation interest and dune management CEH, Bangor

JONES MLM et al. 2004. Changes in vegetation and soil characteristics in coastal sand dunes along a gradient of atmospheric nitrogen deposition *Plant Biology* 6, 598-605

JONES MLM et al. 2005. Determining a nitrogen budget for Merthyr Mawr sand dune system: final report CEH, Bangor

JONES, P. S. 1993. Ecological and hydrological studies of dune slack vegetation at Kenfig NNR, Mid-Glamorgan. University of Wales, PhD thesis.

MCLEOD, CR, YEO, M, BROWN, AE, BURN, AJ, HOPKINS, JJ, & WAY, SF (eds.) 2007. The Habitats Directive: selection of Special Areas of Conservation in the UK. 2nd edn. Joint Nature Conservation Committee, Peterborough [www.jncc.gov.uk/SACselection](http://www.jncc.gov.uk/SACselection)

RANWELL, D.S. 1959. Newborough Warren Anglesey. I. The dune system and dune slack habitat. *Journal of Ecology*, 47, 571-601.

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|  | <p>48, 117-141.</p> <p>RANWELL, D. S., 1972. Ecology of salt marshes and sand dunes. Chapman &amp; Hall, London.</p> <p>ROBINS, N. 2007. Conceptual flow model and changes with time at Braunton Burrows coastal dunes [Draft]. Report to Natural England. British Geological Survey, Wallingford.</p> <p>RODWELL J.S. (ed.) 2000. British Plant Communities. Volume 5 Maritime communities and vegetation of open habitats. Cambridge University Press.</p> <p>SMITH, P. 1992. The sands of time. National Museums and Galleries on Merseyside in association with Sefton Metropolitan Borough Council.</p> <p>STACE, C. 1997. New flora of the British Isles. Cambridge University Press, Cambridge.</p> <p>STRATFORD C., HUGHES A., ROBERTS J., ROBINS N. 2006. Review of Hydrological Reports for Newborough Warren NNR, Anglesey. CEH, Wallingford.</p> <p>Map data sources</p> <p>British Plant Communities.1995. Volumes 1-5. Cambridge University Press, Cambridge</p> <p>Coastal vegetation survey of Northern Ireland. 1992. University of Lancaster, Unit of Vegetation Science</p> <p>Inter-agency Coastal Specialist Working Group. 1999</p> <p>JNCC International Designations Database. Joint Nature Conservation Committee</p> <p>Paul Corbett (pers. comm.) 2000. Environmental Heritage Service</p> <p>Sand Dune Database. 1995. Joint Nature Conservation Committee</p> <p>Sand dune vegetation survey of Scotland. Scottish Natural Heritage</p> |
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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 | 787            |
| 2.3.2 Date of range determination        | 05/2007        |
| 2.3.3 Quality of data concerning range   | Moderate       |
| 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) | 6.42 |
|--|------|

|   |   |
|---|---|
| 2.4.2 Date of area estimation   | 05/2007   |
| 2.4.3 Method used for area estimation   | 3 - Ground based survey   |
| 2.4.4 Quality of data on area   | Moderate  |
| 2.4.5 Area trend  | Decreasing (-)  |
| 2.4.6 Area trend magnitude in %   | Unknown   |
| 2.4.7 Area trend period   | 1994-2006   |
| 2.4.8 Reasons for reported trend  | 3 - Direct human influence; 4 - Indirect anthropo or zoogenic influence; 5 - Natural processes;   |
| 2.4.9 Justification of % thresholds for trends (optional)                             | Not applicable  |
| 2.4.10 Main pressures   | 140 - Grazing; 162 - Artificial planting; 302 - removal of beach materials; 400 - Urbanised areas, human habitation; 410 - Industrial or commercial areas; 421 - disposal of household waste; 422 - disposal of industrial waste; 622 - walking, horseriding and non-motorised vehicles; 623 - motorised vehicles; 702 - air pollution; 853 - management of water levels; 871 - sea defense or coast protection works; 900 - Erosion; 920 - Drying out; |
| 2.4.11 Threats  | 140 - Grazing; 702 - air pollution; 853 - management of water levels; 900 - Erosion; 920 - Drying out; 950 - Biocenotic evolution; 990 - Other natural processes;   |
| <b>Complementary information</b>  |   |
| 2.5.1 Favourable reference range (sq km)  | 787   |
| 2.5.2 Favourable reference area (sq km)   | 6.5   |
| 2.5.3 Typical species   | none listed   |
| 2.5.4 Typical species assessment  | Not applicable  |
| 2.5.5 Other relevant information  |   |
| <b>2.6 Conclusions (assessment of conservation status at end of reporting period)</b> |   |
| (2.3) Range   | (FV) - Favourable   |
| (2.4) Area  | (U1-) - Inadequate and deteriorating  |
| (2.5) Specific structures and functions (incl. typical species)                       | (U2-) - Bad and deteriorating   |
| Future prospects  | (U2-) - Bad and deteriorating   |
| Overall assessment  | (U2-) - Bad and deteriorating   |