

**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:  
H21A0 - Machairs**

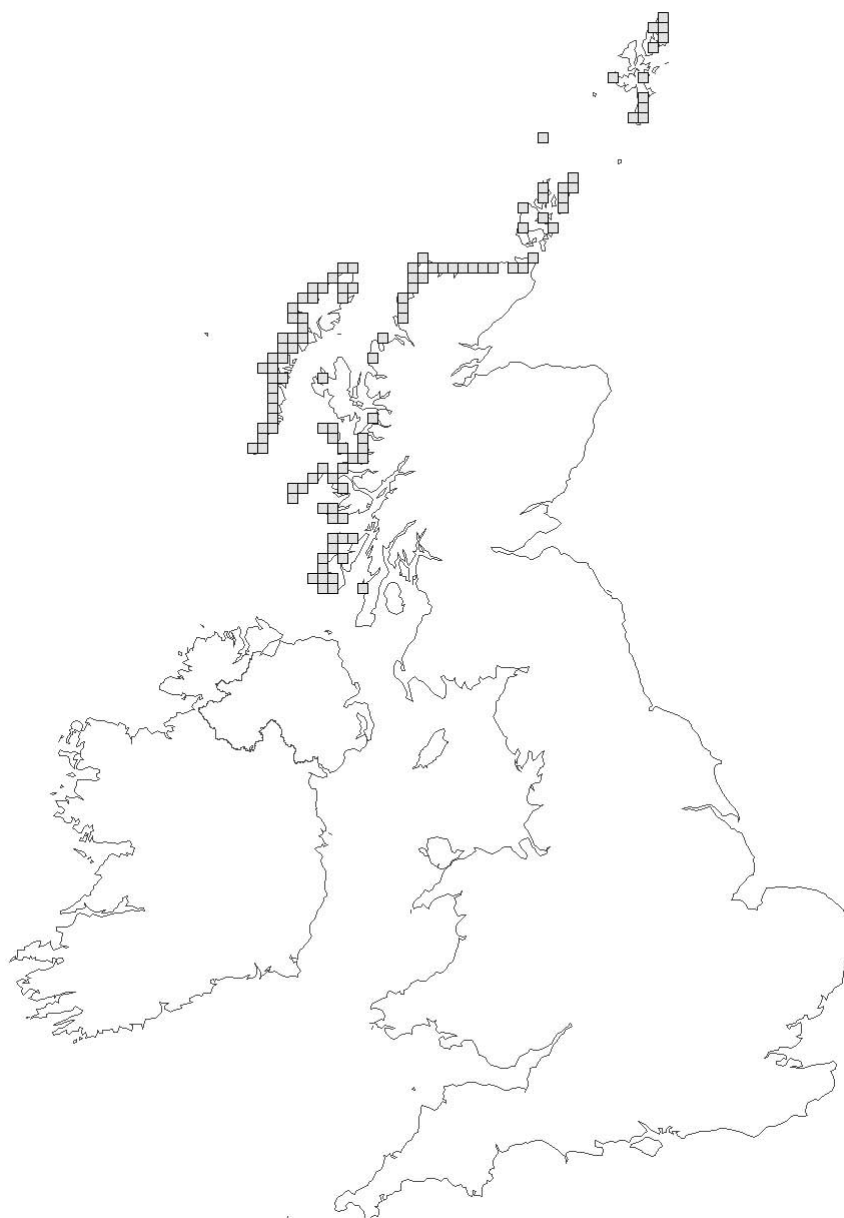
The information in this assessment corresponds to the "habitat fact sheet" submitted by the UK to the European Union in February 2008 (second and final submission). Please note that this is a section of the UK's report. For the complete report visit <http://www.jncc.gov.uk/article17>

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## Habitat Name: Machairs

1. National level	
Habitat Code	H21A0
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)

ANGUS, S. 1999. The state of the maritime natural heritage: machair in Scotland. Scottish Natural Heritage. In: BAXTER, J.M., DUNCAN, K., ATKINS, S.M. & LEES, G. (eds). 1999. Scotland's living coastline, 166-172. The Stationery Office, London.

ANGUS, S. 2004. De tha machair? Towards a machair definition. Proceedings Vol. 2, Littoral 2004. Delivering sustainable coasts: connecting science and policy. Cambridge: Cambridge Publications. pp. 552-558.

ANGUS, S. & HANSOM, J.D. 2004. Tir a'mhachair, tir nan loch? Climate change scenarios for Scottish machair systems: a wet future? Proceedings Vol.2, Littoral 2004. Delivering sustainable coasts: connecting science and policy, 565-569. Cambridge Publications. ISBN: 0-9540081-1-1

	<p>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. &amp; WATKINS J.W. 2000. Accounting for nature: assessing habitats in the UK countryside. London: Department of the Environment, Transport and the Regions.</p> <p>JACKSON, D.L. &amp; MCLEOD, C.R. (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. <a href="http://www.jncc.gov.uk/page-2447">www.jncc.gov.uk/page-2447</a></p> <p>JOINT NATURE CONSERVATION COMMITTEE 2005. Common Standards Monitoring (CSM). Joint Nature Conservation Committee, Peterborough <a href="http://www.jncc.gov.uk/page-2217">www.jncc.gov.uk/page-2217</a></p> <p>MCLEOD, C.R., YEO, M., BROWN, A.E., BURN, A.J., HOPKINS, J.J. &amp; WAY, S.F. (eds.) 2007. The Habitats Directive: selection of Special Areas of Conservation in the UK. 2nd edn. Joint Nature Conservation Committee, Peterborough <a href="http://www.jncc.gov.uk/SACselection">www.jncc.gov.uk/SACselection</a></p> <p>UKBAP website; <a href="http://www.ukbap.org.uk">www.ukbap.org.uk</a></p> <p>Map Data Sources</p> <p>ANGUS, S. 1999. The state of the maritime natural heritage: machair in Scotland. Scottish Natural Heritage. In: BAXTER, J.M., DUNCAN, K., ATKINS, S.M. &amp; LEES, G. (eds). 1999. Scotland's living coastline, 166-172. The Stationery Office, London.</p> <p>JNCC International Designations Database. Joint Nature Conservation Committee</p>
<b>2.3 Range of the habitat within the Biogeographic or marine region</b>	
2.3.1 Surface area of range in square km	962
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
<b>2.4 Area covered by habitat type within the range in the biogeographical region concerned.</b>	
2.4.1 Surface area of the habitat type (sq km)	133
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	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	100 - Cultivation; 101 - Modification of cultivation practices; 110 - Use of pesticides; 120 - Fertilisation; 140 - Grazing; 171 - stock feeding; 300 - Sand and gravel extraction; 702 - air pollution; 810 - Drainage; 900 - Erosion; 930 - Submersion; 965 - predation;
2.4.11 Threats	100 - Cultivation; 101 - Modification of cultivation practices; 110 - Use of pesticides; 120 - Fertilisation; 140 - Grazing; 171 - stock feeding; 300 - Sand and gravel extraction; 702 - air pollution; 810 - Drainage; 900 - Erosion; 930 - Submersion; 950 - Biocenotic evolution; 965 - predation;
<b>Complementary information</b>	
2.5.1 Favourable reference range (sq km)	962
2.5.2 Favourable reference area (sq km)	133
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	(FV) - Favourable
(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