

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

Supporting documentation for the  
Third Report by the United Kingdom under  
Article 17

on the implementation of the Directive  
from January 2007 to December 2012  
Conservation status assessment for

Species:

S1409 - Bog-mosses (*Sphagnum sp.*)

**IMPORTANT NOTE – PLEASE READ**

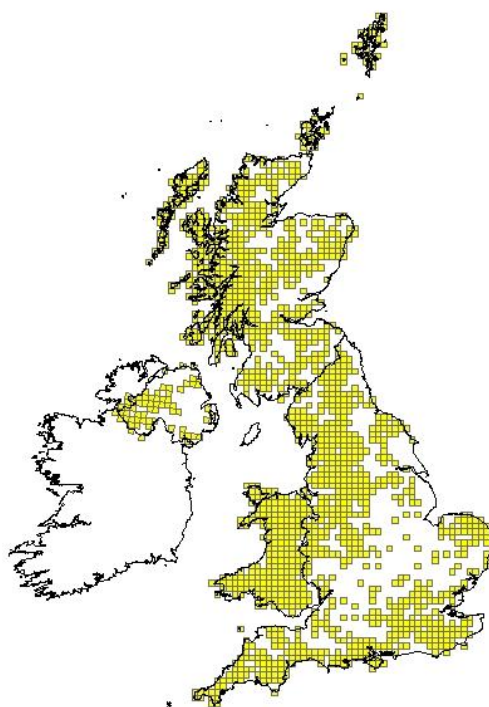
- The country-level reporting information contained in this document is a contribution to the Article 17 UK report for the habitat/species concerned.
- It has been provided by **Natural England** and refers only to the state of the habitat/species in **England** - it does not constitute an assessment for the whole of the UK.
- The Article 17 UK Approach document provides details on how this information has been used and, combined with information supplied by other Statutory Nature Conservation Bodies
- The format of the document is closely aligned to that set out by the European Commission for Member State reporting – as a result, some of the fields are not applicable at a country-level and have deliberately been left blank – in addition, the content of most fields is constrained by the EC reporting categories.

## Reporting format on the 'main results of the surveillance under Article 11' for Annex II, IV & V species

<i>Field name</i>	<i>Brief explanations</i>	
<b>0.2 Species</b>	<b>0.2.1 Species code</b>	<b>S1409</b>
	<b>0.2.2 Species scientific name</b>	<b><i>Sphagnum</i> sp.</b>
	<b>0.2.3 Alternative species scientific name</b> Optional	
	<b>0.2.4 Common name</b> Optional	

### 1.1 Maps

<b>1.1.1 Distribution map</b>		<b>Sensitive</b>	<b>False</b>
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<b>1.1.2 Method used - map</b>	<b>Complete survey/Complete survey or a statistically robust estimate</b>
<b>1.1.3 Year or period</b>	<b>1980-2012</b>
<b>1.1.4 Additional distribution map</b>	<b>False</b>
<b>1.1.5 Range map</b>	

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<b>2.1 Biogeographical region &amp; marine regions</b>	<b>ATL</b>
<b>2.2 Published sources</b>	<b>"Data provided by the British Bryological Society and accessed via the NBN Gateway."</b>

<b>2.3 Range</b>	
<b>2.3.1 Surface area Range</b>	
<b>2.3.2 Method used Surface area of Range</b>	<b>Absent data</b>
<b>2.3.3 Short-term trend Period</b>	<b>2007-2012</b>
<b>2.3.4 Short term trend Trend direction</b>	<b>stable</b>
<b>2.3.5 Short-term trend Magnitude</b>	<b>a) Minimum</b>
	<b>b) Maximum</b>
<b>2.3.6 Long-term trend Period</b>	<b>1989-2012</b>
<b>2.3.7 Long-term trend Trend direction</b>	<b>stable</b>
<b>2.3.8 Long-term trend Magnitude</b>  Optional	<b>a) Minimum</b>
	<b>b) Maximum</b>
<b>2.3.9 Favourable reference range</b>	<b>a) Value in km<sup>2</sup></b>

	<b>b) Operator for FRR</b>	
	<b>c) FRR is unknown (indicated by "true")</b>	<b>True</b>
	<b>d) Method used to set FRR</b>	
<b>2.3.10 Reason for change</b> Is the difference between the reported value in 2.3.1 and the previous reporting round mainly due to...	<b>a) Genuine change?</b>	<b>False</b>
	<b>b) Improved knowledge/more accurate data?</b>	<b>False</b>
	<b>c) Use of different method (e.g. "Range tool")?</b>	<b>False</b>

<b>2.4 Population</b>		
<b>2.4.1 Population size estimation</b> (using individuals or agreed exceptions where possible)	<b>a) Unit</b>	
	<b>b) Minimum</b>	
<b>2.4.2 Population size estimation</b> (using population unit other than individuals) Optional ( <i>if 2.4.1 filled in</i> )	<b>a) Unit</b>	<b>number of map 10x10 km grid cells</b>
	<b>b) Minimum</b>	<b>493</b>
<b>2.4.3 Additional information on population estimates / conversion</b> Optional	<b>a) Definition of "locality"</b>	

	<b>b) Method to convert data</b>	
	<b>c) Problems encountered to provide population size estimation</b>	<b>Insufficient time to analyse data for all species of <i>Sphagnum</i> so the max population size is estimated.</b>
<b>2.4.4 Year or period</b>	<b>1989-2012</b>	
<b>2.4.5 Method used Population size</b>	<b>Complete survey/Complete survey or a statistically robust estimate</b>	
<b>2.4.6 Short-term trend Period</b>	<b>2001-2012</b>	
<b>2.4.7 Short-term trend Trend direction</b>	<b>stable</b>	
<b>2.4.8 Short-term trend Magnitude</b>	<b>a) Minimum</b>	<b>0</b>
	<b>b) Maximum</b>	<b>0</b>
	<b>c) Confidence interval</b>	<b>90</b>
<b>2.4.9 Short-term trend Method used</b>	<b>Complete survey/Complete survey or a statistically robust estimate</b>	
<b>2.4.10 Long-term trend – Period</b>	<b>1989-2012</b>	
<b>2.4.11 Long-term trend Trend direction</b>	<b>stable</b>	
<b>2.4.12 Long-term trend Magnitude</b>  Optional	<b>a) Minimum</b>	<b>0</b>
	<b>b) Maximum</b>	<b>0</b>

	<b>c) Confidence interval</b>	<b>90</b>
<b>2.4.13 Long term trend Method used</b>	<b>3</b>	
<b>2.4.14 Favourable reference population</b>	<b>a) Number of individuals/agreed exceptions/other units</b>	<b>450</b>
	<b>b) Operator</b>	<b>more than</b>
	<b>c) FRP is unknown indicated by "true"</b>	<b>False</b>
	<b>d) Method used to set FRP</b>	<b>Number of occupied 10km squares allowing for the fact that it is not practical for every square to be resurveyed in every reporting cycle.</b>
<b>2.4.15 Reason for change</b> Is the difference between the value reported at 2.4.1 or 2.4.2 and the previous reporting round mainly due to:	<b>a) Genuine change?</b>	<b>False</b>
	<b>b) Improved knowledge/more accurate data?</b>	<b>True</b>
	<b>c) Use of different method (e.g. "Range tool")?</b>	<b>False</b>

**2.5 Habitat for the species****2.5.1 Area estimation****0**

Previous habitat area unknown.

There is thought to be a sufficient amount of habitat in the UK to

	support a viable population of the species.	
<b>2.5.2 Year or period</b>		
<b>2.5.3 Method used</b>	<b>Absent data</b>	
<b>Habitat for the species</b>		
<b>2.5.4 Quality of the habitat</b>	<b>a) Habitat quality</b>	<b>Good</b>
	<b>b) Assessment method</b>	<b>Estimate based on general knowledge that the habitat is widespread and reasonably resilient.</b>
<b>2.5.5 Short-term trend Period</b>	<b>2001-2012</b>	
<b>2.5.6 Short-term trend Trend direction</b>	<b>stable</b>	
<b>2.5.7 Long-term trend Period</b>	<b>1989-2012</b>	
<b>2.5.8 Long-term trend Trend direction</b>	<b>stable</b>	
<b>2.5.9 Area of suitable habitat for the species</b>	<b>a) Value in km<sup>2</sup></b>	<b>0</b>
	Area of suitable habitat unknown. No data available.	
	<b>b) Absence of data indicated as '0'</b>	
<b>2.5.10 Reason for change</b> Is the difference between the value reported at 2.5.1 and the previous reporting round mainly due to	<b>a) Genuine change?</b>	<b>False</b>
	<b>b) Improved knowledge/more accurate data?</b>	<b>False</b>
	<b>c) Use of different method (e.g. "Range tool")?</b>	<b>False</b>

<b>2.6 Main pressures</b>		
<b>a) Pressure</b>	<b>b) Ranking</b>	<b>c) Pollution qualifier</b>
	H = high importance M = medium importance L = low importance	
G05: Other human intrusions and	H	

disturbances		
J02: human induced changes in hydraulic conditions	H	
E01: Urbanised areas, human habitation	M	

Peat extraction.  
Drainage or infilling of ditches, dykes, ponds, pools, marshes or pits.

<b>2.6.1 Method used – Pressures</b>	<b>mainly based on expert judgement and other data</b>
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<b>2.7 Threats</b>		
<b>a) Threat</b>	<b>b) Ranking</b>	<b>c) Pollution qualifier</b>
	H = high importance M = medium importance L = low importance	
G05: Other human intrusions and disturbances	H	
H01: Pollution to surface waters (limnic & terrestrial, marine & brackish)	H	
J02: human induced changes in hydraulic conditions	H	
M01: Changes in abiotic conditions	M	

Peat extraction.  
Drying out.

<b>2.7.1 Method used – Threats</b>	<b>expert opinion</b>
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<b>2.8 Complementary information</b>	
<b>2.8.1 Justification of % thresholds for trends</b>	
<b>2.8.2 Other relevant information</b>	
<b>2.8.3 Trans-boundary assessment</b>	



**2.9 Conclusions (assessment of conservation status at end of reporting period)**

Please refer to the United Kingdom assessment for this species.

**3 Natura 2000 coverage & conservation measures - Annex II species  
(only applies to species listed under Annex II of the Directive)****3.1 Population**

<b>3.1.1 Population size</b>  Estimation of population size included in the SAC network	<b>a) Unit</b>	
	<b>b) Minimum</b>	
	<b>c) Maximum</b>	
<b>3.1.2 Method used</b>		
<b>3.1.3 Trend of population size within the network</b> (short-term trend)		

**3.2 Conservation measures**

Conservation measures taken (i.e. already being implemented) within the reporting period and provided information about their importance, location and evaluation.

<b>3.2.1 Measure</b>	<b>3.2.2 Type</b>					<b>3.2.3 Ranking</b>  H = high importance M = medium importance L = low importance	<b>3.2.4 Location</b>  where the measure is PRIMARILY applied			<b>3.2.5 Broad evaluation of the measure</b>					
	<b>a) Legal/statutory</b>	<b>b) Administrative</b>	<b>c) Contractual</b>	<b>d) Recurrent</b>	<b>e) One-off</b>		<b>a) Inside</b>	<b>b) Outside</b>	<b>c) Both inside &amp; outside</b>	<b>a) Maintain</b>	<b>b) Enhance</b>	<b>c) Long term</b>	<b>d) No effect</b>	<b>e) Unknown</b>	<b>f) Not evaluated</b>

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