

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

Third Report by the United Kingdom under  
Article 17

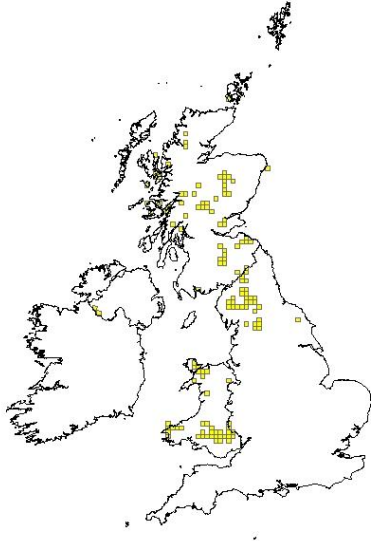
on the implementation of the Directive  
from January 2007 to December 2012  
Conservation status assessment for

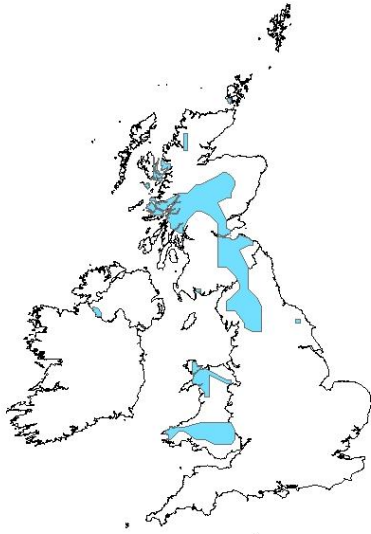
Habitat:

H7220 - Petrifying springs with tufa formation (*Cratoneurion*)

## Reporting format on the 'main results of the surveillance under Article 11' for Annex I Habitats Types

<b>0.2 Habitat code</b>	<b>H7220</b>
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<b>1.1 Maps</b>	
<b>1.1.1 Distribution map</b>	True
	
	for further details see the 2013 Article 17 UK Approach document
<b>1.1.2 Method used - map</b>	<b>Estimate based on partial data with some extrapolation and/or modelling</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
<b>1.1.3 Year or period</b>	<b>1976-2012</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
<b>1.1.4 Additional distribution map</b> Optional	<b>False</b>
<b>1.1.5 Range map</b>	True

	
	for further details see the 2013 Article 17 UK Approach document

<b>2.1 Biogeographical region or marine regions</b>	<b>ATL</b>
<b>2.2 Published sources</b>	<p>Information sources as supplied by Natural Resources Wales</p> <p>Averis, A.M., Averis, A.B.G., Birks, H.J.B., Horsfield, D., Thompson, D.B.A &amp; Yeo, M.J.M. (2004). An Illustrated Guide to British Upland Vegetation. Joint Nature Conservation Committee.</p> <p>Blackstock, T.H., Howe, E.A., Stevens, J.P., Burrows, C.R. &amp; Jones, P.S. (2010). Habitats of Wales: a comprehensive field survey, 1979-1997. University of Wales Press, Cardiff. 229 pp.</p> <p>Bosanquet, S.D.S. (2010). The Mosses and Liverworts of Pembrokeshire. ISBN-978-0-9552022-1-6. MWL Print Group, Pontypool , 313pp.</p> <p>Bosanquet, S.D.S. (2012 – pers. comm). BBS Vice-county Recorder Bryophyte Records for Monmouthshire, VC 35.</p> <p>Bosanquet, S.D.S., Graham, J.G. &amp; Motley, G.S. (2005). The Mosses and Liverworts of Carmarthenshire. ISBN 0-9552022-0-5. MWL Print Group, Pontypool.</p> <p>Creer, J. (2012 – in prep.). Eryri SAC 7220: Petrifying springs with tufa formation (Cratoneurion). Draft SAC monitoring report 2012.</p> <p>Guest, D. (2012). Assessing pressures and threats for Article 17 reporting based on information in CCWs Actions Database. Internal CCW Guidance Note, 2012.</p> <p>Hill, M.O., Preston, C.D., Bosanquet, S.D.S &amp; Roy, D.B. (2007). BRYOATT: Attributes of British and Irish Mosses, Liverworts and Hornworts. NERC.</p>

JNCC (2007). Conservation status assessment for H7220 Petrifying springs. Second Report by the UK under Article 17 on the implementation of the Habitats Directive from January 2001 to December 2006. Joint Nature Conservation Committee, Peterborough.

Jones, P.S., Bosanquet, S.D.S., Reed, D.K., Birch, K.S., Stevens, J. & Turner, A.J. (2011). The habitat composition and conservation of Welsh lowland mires: preliminary results from the Lowland Peatland Survey of Wales. In: Proceedings of a Memorial Conference for Dr David Paul Stevens 1958-2007: Grassland Ecologist and Conservationist. Eds: Blackstock, T.H., Howe, E.A., Rothwell, J.P., Duigan, C.A & Jones, P.S. pp. 103-115. CCW Staff Science Report 10/03/05, Countryside Council for Wales, Bangor.

Jones, P.S., Stevens, J., Bosanquet, S.D.S., Turner, A.J., Birch, K.S. & Reed, D.K. (2012b). Distribution, extent and status of Annex I wetland habitats in Wales: supporting material for the 2013 Article 17 assessment. Countryside Council for Wales, Bangor.

National Biodiversity Network (2012). Records for *Palustriella commutata* var *falcata* for Brecknock.

Stevens, D.P., Smith, S.L.N., Blackstock, T.H., Bosanquet, S.D.S. & Stevens, J.P. (2010). Grassland of Wales: A survey of lowland species-rich grasslands, 1987 – 2004. University of Wales Press, Cardiff.

Stevens, J. & Jones, P.S. (2012). H7220 Petrifying springs Habitat Inventory for Wales. Countryside Council for Wales, Bangor.

Turner, A.J. (2011). A conspectus of the vegetation of the Welsh uplands, with particular reference to Snowdonia. In: Proceedings of a Memorial Conference for Dr David Paul Stevens 1958-2007: Grassland Ecologist and Conservationist. Eds: Blackstock, T.H., Howe, E.A., Rothwell, J.P., Duigan, C.A & Jones, P.S. pp. 116-134. CCW Staff Science Report 10/03/05, Countryside Council for Wales, Bangor.

Information sources as supplied by Natural England

Averis, A.M., Averis, A.B.G., Birks, H.J.B., Horsfield, D., Thompson, D.B.A & Yeo, M.J.M. (2004). An Illustrated Guide to British Upland Vegetation. Joint Nature Conservation Committee.

Hill, M.O., Preston, C.D., Bosanquet, S.D.S & Roy, D.B. (2007). BRYOATT: Attributes of British and Irish Mosses, Liverworts and Hornworts. NERC.

JNCC (2007). Conservation status assessment for H7220 Petrifying springs. Second Report by the UK under Article 17 on the implementation of the Habitats Directive from January 2001 to December 2006. Joint Nature Conservation Committee, Peterborough.

Information sources as supplied by Northern Ireland Environment Agency

Air Pollution Information System <http://www.apis.ac.uk/>

Cooper, A. & McCann, T. (2001). The Northern Ireland Countryside Survey 2000. Environment and Heritage Service, Belfast

Cooper, A., McCann, T. and Rogers, D. (2009) Northern Ireland Countryside Survey 2007: Broad Habitat Change 1998-2007. Northern Ireland Environment Agency. Northern Ireland Environment Agency Research and Development Series No. 09/06. Belfast. 58 pp.

	<p>Department of the Environment for Northern Ireland. (1993) A Planning Strategy for Rural Northern Ireland. Planning Service, Belfast</p> <p>Department of the Environment (2002). Northern Ireland Biodiversity Strategy. Environment and Heritage Service, Belfast</p> <p>Northern Ireland Habitat Action Plan - Fens - March 2005</p> <p>Department of Regional Development (2001). The Regional Development Strategy 2025. DRD, Belfast</p> <p>Environment and Heritage Service (2002) Habitats Regulations. A guide for competent authorities. EHS</p> <p>European Commission (2000). Managing Natura 2000 sites: The provisions of Article 6 of the 'Habitats' Directive 92/43/EEC. Luxemburg.</p> <p>McCann, T., Rogers, D. and Cooper, A. (2009) Northern Ireland Countryside Survey 2007: Field methods and technical manual. Northern Ireland Environment Agency. Northern Ireland Environment Agency, Research and Development Series No 09/07. Belfast.</p> <p>Murray, R., McCann, T. and Cooper, A. (1992). A Land Classification and Landscape Ecological Study of Northern Ireland. Department of the Environment NI and Department of Environmental Studies, University of Ulster, Coleraine.</p> <p>Northern Ireland Biodiversity Group (2000). Biodiversity in Northern Ireland: recommendations to Government for a Biodiversity Strategy. HMSO, Belfast</p> <p>QUB, 2004. Baseline monitoring of the countryside management scheme in Northern Ireland. Report to DARD.</p> <p>Rodwell, J.S. (1991). British Plant Communities. Volume 2, Mires and heaths. Cambridge: Cambridge University Press</p> <p>UK Biodiversity Action Plan; Priority Habitat Descriptions. BRIG (ed. Ant Maddock) (2008). Lowland Fens. JNCC Peterborough.</p> <p>Information sources as supplied by Scottish Natural Heritage</p> <p>Scottish Natural Heritage 1999. SNH Uplands Database, (18-12-98) 10KMVEG.XLS (unpublished SNH)</p> <p>JNCC International Designations Database 2007 (Central point locations of candidate SACs reported to Europe that host feature locations)</p> <p>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: <a href="http://jncc.defra.gov.uk/page-4060">http://jncc.defra.gov.uk/page-4060</a></p> <p>SNH Site Condition Monitoring Database accessed 27 July 2012 (unpublished SNH)</p> <p>UK distribution map data sources</p> <p>JNCC International Designations Database. Joint Nature Conservation Committee</p> <p>Jones et al: Distribution, extent and status of Annex I wetland habitats in Wales: supporting material for the 2013 Article 17 assessment.</p> <p>Paul Corbett (pers. comm.) 2000. Environmental Heritage Service</p> <p>SNH Uplands Database, (18-12-98) 10KMVEG.XLS. Scottish Natural Heritage</p> <p>UK Distribution Map data sources</p>
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	JNCC International Designations Database. Joint Nature Conservation Committee Jones et al: Distribution, extent and status of Annex I wetland habitats in Wales: supporting material for the 2013 Article 17 assessment. Paul Corbett (pers. comm.) 2000. Environmental Heritage Service SNH Uplands Database, (18-12-98) 10KMVEG.XLS. Scottish Natural Heritage

2.3 Range	
2.3.1 Surface area Range	<b>33894.77</b>
	<b>for further details see the 2013 Article 17 UK Approach document</b>
2.3.2 Method used Range	<b>Estimate based on partial data with some extrapolation and/or modelling</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
2.3.3 Short-term trend Period	<b>2001-2012</b>
	for further details see the 2013 Article 17 UK Approach document
2.3.4 Short-term trend Trend direction	<b>stable</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
2.3.5 Short-term trend Magnitude Optional	<b>a) Minimum</b>
	<b>b) Maximum</b>
2.3.6 Long-term trend Period Optional	<b>1994-2012</b>
	based on a combination of the trend info given under 2.3.3 and the trend info given in the 2007 Article 17 habitat report (see <a href="http://jncc.defra.gov.uk/page-4064">http://jncc.defra.gov.uk/page-4064</a> ) - for further details see the 2013 Article 17 UK Approach document
2.3.7 Long-term trend Trend direction Optional	<b>stable</b>
	based on a combination of the trend info given under 2.3.4 and the trend info given in the 2007 Article 17 habitat report (see

	<a href="http://jncc.defra.gov.uk/page-4064">http://jncc.defra.gov.uk/page-4064</a> ) - for further details see the 2013 Article 17 UK Approach document	
<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>33894.77</b>
	this is an updated value based on the latest version of the UK range mapping tool and the latest 10km square distribution data for the habitat - this data provides a more accurate baseline than used in 2007 to set the Favourable Reference Range value - for further details see the 2013 Article 17 UK Approach document	
	<b>b) Operator</b>	
	<b>c) FRR is unknown (indicated by "True")</b>	<b>False</b>
	<b>d) Method used to set FRR</b>	<b>the approach taken to set the Favourable Reference Range is explained in the 2007 Article 17 habitat report (see <a href="http://jncc.defra.gov.uk/page-4064">http://jncc.defra.gov.uk/page-4064</a>) - further details are given in the 2013 Article 17 UK Approach document</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>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information	
	<b>b) Improved knowledge/more accurate data?</b>	<b>True</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information	
	<b>c) Use of different method (e.g. "Range tool")</b>	<b>False</b>

	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
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2.4 Area covered by habitat	
2.4.1 Surface area	<b>Value in km<sup>2</sup></b>
	the area of this habitat is unknown at a UK-level - for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
2.4.2 Year or period	<b>1987-2012</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
2.4.3 Method used Area covered by habitat	<b>Absent data</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
2.4.4 Short-term trend Period	<b>2001-2012</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
2.4.5 Short-term trend Trend direction	<b>unknown</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
2.4.6 Short-term trend Magnitude Optional	<b>a) Minimum</b>
	<b>b) Maximum</b>
	<b>c) Confidence interval</b>
2.4.7 Short-term trend Method used	<b>Estimate based on expert opinion with no or minimal sampling</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
2.4.8 Long-term trend Period Optional	<b>1994-2012</b>
	based on a combination of the trend period given under 2.4.4 and the trend info in the 2007 Article 17 habitat report (see <a href="http://jncc.defra.gov.uk/page-">http://jncc.defra.gov.uk/page-</a>



	4064) - for further details see the 2013 Article 17 UK Approach document	
<b>2.4.9 Long-term trend - Trend direction</b> Optional	<b>unknown</b>	
	based on a combination of the trend direction given under 2.4.5 and the trend info in the 2007 Article 17 habitat report (see <a href="http://jncc.defra.gov.uk/page-4064">http://jncc.defra.gov.uk/page-4064</a> ) - for further details see the 2013 Article 17 UK Approach document	
<b>2.4.10 Long-term trend Magnitude</b> Optional	<b>a) Minimum</b>	
	<b>b) Maximum</b>	
	<b>c) Confidence interval</b>	
<b>2.4.11 Long-term trend Method used</b> Optional	<b>Estimate based on expert opinion with no or minimal sampling</b>	
	based on a combination of the trend method under 2.4.3 and the 'quality of area data' in the 2007 Article 17 habitat report (see <a href="http://jncc.defra.gov.uk/page-4064">http://jncc.defra.gov.uk/page-4064</a> ) - for further details see the 2013 Article 17 UK Approach document	
<b>2.4.12 Favourable reference area</b>	<b>a) Value in km<sup>2</sup></b>	
	this is the same as in the 2007 Article 17 habitat report (see <a href="http://jncc.defra.gov.uk/page-4064">http://jncc.defra.gov.uk/page-4064</a> ) - for further details see the 2013 Article 17 UK Approach document	
	<b>b) Operator</b>	
	<b>c) FRA is unknown (indicated by true")</b>	<b>True</b>
	information remains inadequate to set a Favourable Reference Area - for further details see the 2007 Article 17 habitat report (see <a href="http://jncc.defra.gov.uk/page-4064">http://jncc.defra.gov.uk/page-4064</a> ) and 2013 Article 17 UK Approach document	
	<b>d) Method used to set FRA value</b>	<b>the approach taken to set the Favourable Reference Area is explained in the 2007 Article 17 habitat report (see <a href="http://jncc.defra.gov.uk/page-4064">http://jncc.defra.gov.uk/page-4064</a>)</b>
<b>2.4.13 Reason for change</b> Is the difference between the reported value in 2.4.1 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>2.5 Main pressures</b>		
<b>a) Pressure</b>	<b>b) Ranking</b> H = high importance M = medium importance L = low importance	<b>c) Pollution qualifier</b>
A04: grazing	H	N
F03: deer grazing/ browsing/ trampling	M	
H01: Pollution to surface waters (limnic & terrestrial, marine & brackish)	M	NP
H04: Air pollution, air-borne pollutants	M	N
J02: human induced changes in hydraulic conditions	M	N
K02: Biocenotic evolution, succession	M	N
A02: modification of cultivation practices	L	N
A08: Fertilisation	L	N
C01: Mining and quarrying	L	P
G01: Outdoor sports and leisure activities, recreational activities	L	
H02: Pollution to groundwater (point sources and diffuse sources)	L	N
I01: invasive non-native species	L	N
J01: fire and fire suppression	L	
J03: Other ecosystem modifications	L	

for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information

<b>2.5.1 Method used – pressures</b>	<b>based exclusively or to a larger extent on real data from sites/occurrences or other data sources</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information

## 2.6. Main threats

<b>a) Threats</b>	<b>b) Ranking</b> H = high importance M = medium importance L = low importance	<b>c) Pollution qualifier</b>
A04: grazing	H	N
A02: modification of cultivation practices	M	N
F03: deer grazing/ browsing/ trampling	M	
H01: Pollution to surface waters (limnic & terrestrial, marine & brackish)	M	NP
H04: Air pollution, air-borne pollutants	M	N
J02: human induced changes in hydraulic conditions	M	
M01: Changes in abiotic conditions	M	N
A01: Cultivation	L	N
A08: Fertilisation	L	N
C01: Mining and quarrying	L	
G01: Outdoor sports and leisure activities, recreational activities	L	
H02: Pollution to groundwater (point sources and diffuse sources)	L	N
I01: invasive non-native species	L	
J01: fire and fire suppression	L	
J03: Other ecosystem modifications	L	
K02: Biocenotic evolution, succession	L	
M02: Changes in biotic conditions	L	

for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting

information	
<b>2.6.1 Method used –threats</b>	<b>expert opinion</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information

<b>2.7 Complementary information</b>	
<b>2.7.1 Typical species</b> (as used in the assessment of Structure and function)	
	a list of the specific species used to assess the condition of the habitat during the reporting period is not available
<b>2.7.2 Typical species – method used</b>	<b>the status of various plant species has been considered when the condition of individual sites supporting the habitat have been assessed - these assessments have utilised Common Standards Monitoring Guidance, information on which is available via <a href="http://jncc.defra.gov.uk/page-2199">http://jncc.defra.gov.uk/page-2199</a> (refer to guidance on individual habitats for details) - a list of the specific species used during the reporting period is, however, not available</b>
<b>2.7.3 Justification of % thresholds for trends</b>	
<b>2.7.4 Structure and functions - Methods used</b>	<b>Estimate based on partial data with some extrapolation and/or modelling</b>
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information
<b>2.7.5 Other relevant information</b>	<b>for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information</b>

<b>2.8 Conclusions</b> <i>(assessment of conservation status at end of reporting period)</i>		
<b>2.8.1 Range</b>	<b>a) Conclusion</b>	<b>Favourable</b>
	Conclusion reached because: (i) 2.3.4 Range short-term trend direction is stable; (ii) 2.3.1 Range surface area is not less than 2.3.9 Favourable Reference Range;	

	- for further details see the 2013 Article 17 UK Approach document	
	<b>b) Qualifier</b>	
<b>2.8.2 Area</b>	<b>a) Conclusion</b>	<b>Unknown</b>
	Conclusion reached because: (i) 2.4.5 Area short-term trend direction is unknown; (ii) relationship between 2.4.1. Surface area and 2.4.12 Favourable Reference Area is unknown; - for further details see the 2013 Article 17 UK Approach document	
	<b>b) Qualifier</b>	
<b>2.8.3 Specific structures and functions (incl. typical species)</b>	<b>a) Conclusion</b>	<b>Bad</b>
	Conclusion reached because available site condition data indicate that more than 25% of the habitat is in unfavourable condition (based on SAC and SSSI/ASSI data 79% of features/monitoring units unfavourable) - for further details see the 2013 Article 17 UK Approach document	
	<b>b) Qualifier</b>	<b>improving</b>
	Qualifier reached because available site condition data indicate that less of the habitat in unfavourable condition is declining than recovering (for SACs and SSSI/ASSIs = 1 feature/monitoring unit declining and 65 recovering) - for further details see the 2013 Article 17 UK Approach document	
<b>2.8.4 Future prospects</b>	<b>a) Conclusion</b>	<b>Unknown</b>
	Conclusion reached because: (i) 2.3.4 Range short-term trend direction is stable and 2.3.1 Range surface area is expected to be not less than 2.3.9 Favourable Reference Range in c.2025; (ii) 2.4.5 Area short-term trend direction and future relationship between 2.4.1. Surface area and 2.4.12 Favourable Reference Area is uncertain; (iii) available site condition data indicate that between 5-25% of the habitat might be in unfavourable condition in c.2025 (based on SAC and SSSI/ASSI data = 6% of features/monitoring units unfavourable); - for further details see the 2013 Article 17 UK Approach document	
	<b>b) Qualifier</b>	

<b>2.8.5 Overall assessment of Conservation Status</b>	<b>Bad</b> Based on individual conclusions for Range, Area, Structures and functions, and Future Prospects - for further details see the 2013 Article 17 UK Approach document
<b>2.8.6 Overall trend in Conservation Status</b>	<b>improving</b> Based on trends/qualifiers for Range, Area, Structures and functions, and Future Prospects - for further details see the 2013 Article 17 UK Approach document

### 3. Natura 2000 coverage & conservation measures - Annex I habitat types

<b>3.1 Area covered by habitat</b>		
<b>3.1.1 Surface area</b> Estimation of habitat type surface area included <u>in the SAC network</u> .	<b>a) Minimum</b>	<b>1.22</b>
	This is based on information submitted to the European Union as part of a Standard Data Form for each candidate SAC. The source information used for these data are available on an individual site basis within a downloadable spreadsheet <a href="http://jncc.defra.gov.uk/page-1461">http://jncc.defra.gov.uk/page-1461</a> . (Go to the sheet 'Site feature data' and filter on the relevant habitats). Individual site data forms can be accessed here: <a href="http://jncc.defra.gov.uk/page-1458">http://jncc.defra.gov.uk/page-1458</a> . For the vast majority of sites the habitat extent figures are based on the best available information at the time of the original submission of the site as a candidate SAC to the European Union. In many cases these data have been compiled in the early 2000s, i.e. more than ten years prior to this report.	
	<b>b) Maximum</b>	<b>1.22</b>
<b>3.1.2 Method used</b>	<b>Estimate based on partial data with some extrapolation and/or modelling</b>	
	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information	
<b>3.1.3 Trend of surface area within the network</b>	<b>unknown</b>	
Optional	for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information	

<b>3.2 Conservation measures</b>															
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>
1.2: Measures needed, but not implemented	Y	Y	Y	Y		M			Y		Y	Y			
1.3: No measure known/ impossible to carry out specific measures		Y		Y		M			Y		Y	Y			
2.1: Maintaining grasslands and other open habitats	Y		Y	Y	Y	H			Y		Y	Y			
2.2: Adapting crop production		Y	Y	Y		M			Y		Y	Y	Y		
4.1: Restoring/improving water quality	Y	Y		Y		M			Y		Y	Y			
4.2: Restoring/improving the hydrological regime	Y	Y		Y		M			Y		Y	Y			
6.0: Other spatial measures		Y	Y	Y		M			Y		Y	Y			
6.1: Establish protected areas/sites	Y	Y		Y		H			Y		Y	Y			
6.3: Legal protection of habitats and	Y			Y		M			Y		Y	Y			

species															
7.1: Regulation/ Management of hunting and taking	Y		Y	Y	Y	M	Y				Y				
9.1: Regulating/Ma nagement exploitation of natural resources on land				Y		L			Y		Y	Y			

for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information