

**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

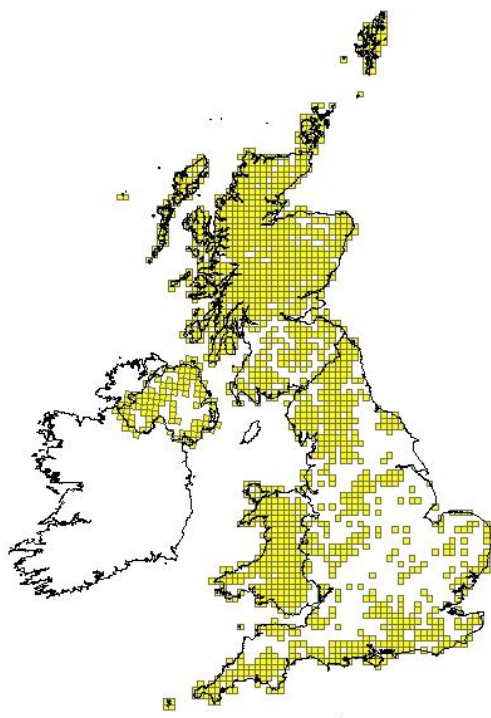
Species:

S1378 - *Cladonia* subgenus *Cladina* subgenus of lichens *Cladonia* subgenus *Cladina*

**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>S1378</b>
	<b>0.2.2 Species scientific name</b>	<b><i>Cladonia subgenus Cladina</i></b>
	<b>0.2.3 Alternative species scientific name</b> Optional	
	<b>0.2.4 Common name</b> Optional	

<b>1.1 Maps</b>			
<b>1.1.1 Distribution map</b>	<b>True</b>	<b>Sensitive</b>	<b>False</b>
	The distribution map is based on species records which are considered to be representative of the range within the current reporting period. 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>1960-2012</b>
	The distribution map is based on species records which are considered to be representative of the range within the current reporting period. For

	further details see the 2013 Article 17 UK Approach document.
<b>1.1.4 Additional distribution map</b> Optional	<b>False</b>
<b>1.1.5 Range map</b>	<b>True</b>
	The range map was produced using by applying the alpha hull range tool to the distribution map presented in 1.1.4. The alpha value for these species was 20km. For further details see the 2013 Article 17 UK Approach document.



<b>2.1 Biogeographical region &amp; marine regions</b>	<b>ATL</b>
<b>2.2 Published sources</b>	<p><b>Blackstock, T.H., Howe, E.A., Stevens, J.P., Burrows, C.R. and Jones. P.S. 2010. Habitats of Wales: a comprehensive field survey, 1979-1997. University of Wales Press.</b></p> <p><b>British Lichen Society data, accessed via the NBN Gateway. CCW/ Unpublished. Lowland Peatland Survey of Wales 2004-present.</b></p> <p><b>FOWLER, D. 2001 Transboundary air pollution: acidification, eutrophication and groundlevel ozone in the UK. National Expert Group on Transboundary Air Pollution</b></p> <p><b>Hale, A.D.(2012). Article 17 Reporting - Supporting information for Countryside Council for Wales submission on Cladonia subgenus Cladina (lichens).</b></p> <p><b>Hobbs, R.J. (1985). The Persistence of Cladonia Patches in Closed Heathland Stands. The Lichenologist,17, pp 103-109</b></p> <p><b>Kauppi, M. (1979). The Exploitation of Cladonia Stellaris In Finland. The Lichenologist, 11, pp 85-89</b></p> <p><b>Löhmus, A. &amp; Löhmus, P. (2009). The importance of</b></p>

representative inventories for lichen conservation assessments: the case of *Cladonia norvegica* and *C. parasitica*. *The Lichenologist*, 41(1), pp 61-67

SEAWARD, M. R. D. & HITCH, C. J. B. 1984 Atlas of the Lichens of the British Isles. Vol 1. *The Journal of Applied Ecology*

Smith, C. W., Aptroot, A., Coppins, B. J., Fletcher, A., Gilbert, O.L., James, P.W. and Wolseley, P. A. 2009. *The Lichens of Great Britain and Ireland*. The British Lichen Society.

Turner, A. (2012). Changes in the composition of low-alpine grassland and heath on the Carneddu Mountain Group, North Wales over the period 1951-2011. CCW Staff Science Report Final Draft

van Herk, C. M. ,Mathijssen-Spiekman, E. A. M. , and de Zwart, D. (2003). Long distance nitrogen air pollution effects on lichens in Europe. *The Lichenologist*, 35(4), pp 347-359

WILLIAMS J.M. (ed) 2006 Common Standards Monitoring For Designated Sites: First Six Year Report 2006. Peterborough: Joint Nature Conservation Committee

Wirth, V. (2010). Ecological indicator values for lichens - enlarged and updated species list. *Herzogia*, 23. pp. 229-248.

WOODS, R. G. & COPPINS, B. J. 2003 A Conservation Evaluation of Lichens. British Lichen Society, London.

#### UK distribution map data sources

NBN Gateway Biodiversity Information Service for Powys and Brecon Beacons National Park GA000984 CCW Regional Data : Mid-Wales

NBN Gateway Bristol Regional Environmental Records Centre GA001100 BRERC JNCC May 2012

NBN Gateway British Lichen Society GA000469 BLS Mapping Scheme dataset, 1750-2009

NBN Gateway British Lichen Society GA000936 BLS Lichen Database: English churchyards

NBN Gateway British Lichen Society GA000937 BLS Lichen Database: England

NBN Gateway British Lichen Society GA000939 BLS Rare and Threatened Lichen Records: England

NBN Gateway British Lichen Society GA000940 BLS Lichen Database: Scotland

NBN Gateway British Lichen Society GA001022 BLS Lichen Database: Welsh churchyards

NBN Gateway British Lichen Society GA001054 BLS Lichen Database: Wales

NBN Gateway British Mycological Society GA000427 Fungal Records Database of Britain and Ireland

NBN Gateway BTCV Scotland GA000649 BTCV wildlife counts recording workshops

NBN Gateway Centre for Environmental Data and Recording GA000924 NI Lichen Data set

NBN Gateway Cofnod (North Wales Environmental Information Service) GA000747 CCW Regional Data: North Wales

NBN Gateway Countryside Council for Wales GA000434 Phase 2 Lowland Grassland Survey of Wales

NBN Gateway Cumbria Biodiversity Data Centre GA000869

	<p><b>Cumbria Biodiversity Data Centre. Fungi and Lichen Observation Records. Pre-2010 for Cumbria.</b></p> <p><b>NBN Gateway Dorset Environmental Records Centre GA000054 Bryophyte Survey of the Poole Basin Mires - NBN South West Pilot Project Case Studies</b></p> <p><b>NBN Gateway Dorset Environmental Records Centre GA000489 Dorset SSSI Species Records 1952 - 2004 (Natural England)</b></p> <p><b>NBN Gateway Dorset Environmental Records Centre GA000638 Dorset Sites of Nature Conservation Interest (SNCI) species records 2000-2008</b></p> <p><b>NBN Gateway Dorset Environmental Records Centre GA000859 Dorset Sites of Nature Conservation Interest (SNCI) species records pre 2000</b></p> <p><b>NBN Gateway Environmental Records Information Centre North East GA000504 ERIC North East non-sensitive species records</b></p> <p><b>NBN Gateway Fife Nature Records Centre GA000387 Records for Fife Nature Records Centre</b></p> <p><b>NBN Gateway Hampshire Biodiversity Information Centre GA000617 HBIC and partners species records</b></p> <p><b>NBN Gateway Herefordshire Biological Records Centre GA001084 Herefordshire Biological Records Centre Species Records</b></p> <p><b>NBN Gateway Humber Environmental Data Centre GA000841 Humber Environmental Data Centre - Non Sensitive Records from all taxonomic groups</b></p> <p><b>NBN Gateway John Muir Trust GA000715 Plants, Bryophytes and Lichens recorded on Quinag in 2006-2007</b></p> <p><b>NBN Gateway John Muir Trust GA000973 Plants, Bryophytes and Lichens recorded on the Sandwood Estate during 1998 – 2006.</b></p> <p><b>NBN Gateway Joint Nature Conservation Committee GA000373 Vegetation surveys of coastal shingle in Great Britain</b></p> <p><b>NBN Gateway Kent &amp; Medway Biological Records Centre GA001017 Lichens: Records for Kent.</b></p> <p><b>NBN Gateway Leicestershire and Rutland Environmental Records Centre GA000785 Leicestershire and Rutland Fungi and Lichen Records</b></p> <p><b>NBN Gateway Merseyside BioBank GA000994 North Merseyside Other Taxa (unverified)</b></p> <p><b>NBN Gateway National Trust GA001105 Extract of National Trust species database covering Article 17 species</b></p> <p><b>NBN Gateway Norfolk Biodiversity Information Service GA000771 Norfolk Fungi and Lichen records to March 2010</b></p> <p><b>NBN Gateway North East Scotland Biological Records Centre GA000802 NE Scotland fungus and lichen records 1800-2010</b></p> <p><b>NBN Gateway Northern Ireland Environment Agency GA000079 EHS Species Datasets</b></p> <p><b>NBN Gateway Rotherham Biological Records Centre GA000843 Rotherham Biological Records Centre - Non-sensitive Records from all taxonomic groups</b></p> <p><b>NBN Gateway Scottish Wildlife Trust GA000736 Commissioned surveys and staff surveys and reports for SWT reserves.</b></p> <p><b>NBN Gateway Seil Natural History Group GA001092 SNHG Biological Records Dataset</b></p>
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	<p><b>NBN Gateway Sheffield Biological Records Centre GA000878 Sheffield Biological Records Centre- Non-sensitive Records from all taxonomic groups.</b></p> <p><b>NBN Gateway Shropshire Ecological Data Network GA000693 Shropshire Ecological Data Network Database</b></p> <p><b>NBN Gateway South East Wales Biodiversity Records Centre GA000823 CCW Regional Data : South East Wales Non-sensitive Species Records</b></p> <p><b>NBN Gateway Staffordshire Ecological Record GA000009 Staffordshire Wildlife Trust Nature Reserves Inventory</b></p> <p><b>NBN Gateway Staffordshire Ecological Record GA000548 SER Site-based Surveys</b></p> <p><b>NBN Gateway Staffordshire Ecological Record GA000549 SER Species-based Surveys</b></p> <p><b>NBN Gateway Suffolk Biological Records Centre GA000623 Suffolk Biological Records Centre (SBRC) dataset</b></p> <p><b>NBN Gateway Surrey Biodiversity Information Centre GA000735 Surrey Wildlife Trust Nature Reserves - Tranche 1 Species Records</b></p> <p><b>NBN Gateway Sussex Biodiversity Record Centre GA001058 UK Habitat Directive data</b></p> <p><b>NBN Gateway Sussex Biodiversity Record Centre GA001076 SxBRC Full dataset for Environment Agency and Natural England use only.</b></p> <p><b>NBN Gateway The Wildlife Information Centre GA000368 SWT Scottish Borders Local Wildlife Site Survey data 1996-2000 - species information</b></p> <p><b>NBN Gateway Tullie House Museum GA000613 Tullie House Museum. Cumbria Wildlife Trust survey records from 1970 - 2007 of Cumbria Wildlife Sites. Various.</b></p> <p><b>NBN Gateway West Wales Biodiversity Information Centre GA000697 CCW Regional Data: all taxa (excluding sensitive species), West Wales</b></p> <p><b>NBN Gateway Worcestershire Biological Records Centre GA000690 Worcestershire Wildlife Trust species data for owned and managed Reserves within Worcestershire from date of first acquisition to present.</b></p> <p><b>NBN Gateway Worcestershire Biological Records Centre GA000712 WBRC Species data for Worcestershire collated by date.</b></p> <p>UK Distribution Map data sources</p> <p>NBN Gateway Biodiversity Information Service for Powys and Brecon Beacons National Park GA000984 CCW Regional Data : Mid-Wales</p> <p>NBN Gateway Bristol Regional Environmental Records Centre GA001100 BRERC JNCC May 2012</p> <p>NBN Gateway British Lichen Society GA000469 BLS Mapping Scheme dataset, 1750-2009</p> <p>NBN Gateway British Lichen Society GA000936 BLS Lichen Database: English churchyards</p> <p>NBN Gateway British Lichen Society GA000937 BLS Lichen Database: England</p>
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	<p>NBN Gateway Norfolk Biodiversity Information Service GA000771 Norfolk Fungi and Lichen records to March 2010</p> <p>NBN Gateway North East Scotland Biological Records Centre GA000802 NE Scotland fungus and lichen records 1800-2010</p> <p>NBN Gateway Northern Ireland Environment Agency GA000079 EHS Species Datasets</p> <p>NBN Gateway Rotherham Biological Records Centre GA000843 Rotherham Biological Records Centre - Non-sensitive Records from all taxonomic groups</p> <p>NBN Gateway Scottish Wildlife Trust GA000736 Commissioned surveys and staff surveys and reports for SWT reserves.</p> <p>NBN Gateway Seil Natural History Group GA001092 SNHG Biological Records Dataset</p> <p>NBN Gateway Sheffield Biological Records Centre GA000878 Sheffield Biological Records Centre- Non-sensitive Records from all taxonomic groups.</p> <p>NBN Gateway Shropshire Ecological Data Network GA000693 Shropshire Ecological Data Network Database</p> <p>NBN Gateway South East Wales Biodiversity Records Centre GA000823 CCW Regional Data : South East Wales Non-sensitive Species Records</p> <p>NBN Gateway Staffordshire Ecological Record GA000009 Staffordshire Wildlife Trust Nature Reserves Inventory</p> <p>NBN Gateway Staffordshire Ecological Record GA000548 SER Site-based Surveys</p> <p>NBN Gateway Staffordshire Ecological Record GA000549 SER Species-based Surveys</p> <p>NBN Gateway Suffolk Biological Records Centre GA000623 Suffolk Biological Records Centre (SBRC) dataset</p> <p>NBN Gateway Surrey Biodiversity Information Centre GA000735 Surrey Wildlife Trust Nature Reserves - Tranche 1 Species Records</p> <p>NBN Gateway Sussex Biodiversity Record Centre GA001058 UK Habitat Directive data</p> <p>NBN Gateway Sussex Biodiversity Record Centre GA001076 SxBRC Full dataset for Environment Agency and Natural England use only.</p> <p>NBN Gateway The Wildlife Information Centre GA000368 SWT Scottish Borders Local Wildlife Site Survey data 1996-2000 - species information</p> <p>NBN Gateway Tullie House Museum GA000613 Tullie House Museum. Cumbria Wildlife Trust survey records from 1970 - 2007 of Cumbria Wildlife Sites. Various.</p> <p>NBN Gateway West Wales Biodiversity Information Centre GA000697 CCW Regional Data: all taxa (excluding sensitive species), West Wales</p> <p>NBN Gateway Worcestershire Biological Records Centre GA000690 Worcestershire Wildlife Trust species data for owned and managed Reserves within Worcestershire from date of first acquisition to present.</p> <p>NBN Gateway Worcestershire Biological Records Centre GA000712 WBRC Species data for Worcestershire collated by date.</p>
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## 2.3 Range

### 2.3.1 Surface area

**227326.43**



<b>Range</b>	The surface area of the range was calculated from the map presented in 1.1.5. For further details see the 2013 Article 17 UK Approach document.	
<b>2.3.2 Method used Surface area of Range</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>2.3.3 Short-term trend Period</b>	<b>2001-2012</b>	
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.3.4 Short term trend Trend direction</b>	<b>stable</b>	
	The short term trend direction was derived by considering the range trend in the 2007 report, and by considering any further information provided by the UK country conservation agencies. For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.3.5 Short-term trend Magnitude</b>  Optional	<b>a) Minimum</b>	
	<b>b) Maximum</b>	
<b>2.3.6 Long-term trend Period</b>  Optional	<b>1989-2012</b>	
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.3.7 Long-term trend Trend direction</b>  Optional	<b>stable</b>	
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<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>227326</b>
	The current range has been set as the FRV since this is believed to be large enough to support a viable population and is no smaller than the surface area of range when the Habitats Directive came into force in the UK.	
	<b>b) Operator for FRR</b>	

	<b>c) FRR is unknown (indicated by "true")</b>	<b>False</b>
	<b>d) Method used to set FRR</b>	<b>The current range has been set as the FRV since this is believed to be large enough to support a viable population and is no smaller than the surface area of range. For further details please see the 2013 Article 17 UK Approach document.</b>
	The current range has been set as the FRV since this is believed to be large enough to support a viable population and is no smaller than the surface area of range. For further details please see the 2013 Article 17 UK Approach document.	
<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>
	This species was not reported in 2007 so no comparison is possible.	
	<b>b) Improved knowledge/more accurate data?</b>	<b>False</b>
	This species was not reported in 2007 so no comparison is possible.	
	<b>c) Use of different method (e.g. "Range tool")?</b>	<b>False</b>
	This species was not reported in 2007 so no comparison is possible.	

<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>c) Maximum</b>	
<b>2.4.2 Population size estimation</b> (using population unit other than individuals) Optional (if 2.4.1 filled in)	<b>a) Unit</b>	<b>number of map 10x10 km grid cells</b>
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
	<b>b) Minimum</b>	<b>1976</b>
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
	<b>c) Maximum</b>	<b>2036</b>
		For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.

<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>These species are so numerous and widespread that it is impossible to estimate number of individuals. Number of 10km squares is the most appropriate population unit, although it may mask any population declines within squares.</b>
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.4.4 Year or period</b>	<b>1989-2012</b>	
For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.		
<b>2.4.5 Method used Population size</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>2.4.6 Short-term trend Period</b>	<b>2001-2012</b>	
For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.		
<b>2.4.7 Short-term trend Trend direction</b>	<b>stable</b>	
For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.		
<b>2.4.8 Short-term trend Magnitude</b> Optional	<b>a) Minimum</b>	
	<b>b) Maximum</b>	
	<b>c) Confidence interval</b>	
<b>2.4.9 Short-term trend 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>2.4.10 Long-term trend – Period</b> Optional		

<b>2.4.11 Long-term trend</b>		
<b>Trend direction</b>		
Optional		
<b>2.4.12 Long-term trend</b>		
<b>Magnitude</b>	<b>a) Minimum</b>	
Optional		
	<b>b) Maximum</b>	
	<b>c) Confidence interval</b>	
<b>2.4.13 Long term trend</b>		
<b>Method used</b>		
Optional		
<b>2.4.14 Favourable reference population</b>	<b>a) Number of individuals/agreed exceptions/other units</b>	
	<b>b) Operator</b>	<b>approximately equal to</b>
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
	<b>c) FRP is unknown (indicated by "true")</b>	<b>False</b>
	<b>d) Method used to set FRP</b>	
<b>2.4.15 Reason for change</b>	<b>a) Genuine change?</b>	<b>False</b>
Is the difference between the value reported at 2.4.1 or 2.4.2 and the previous reporting round mainly due to:	The population estimate for these species was not reported in 2007 so no comparison is possible.	
	<b>b) Improved knowledge/more accurate data?</b>	<b>False</b>
	The population estimate for these species was not reported in 2007 so no comparison is possible.	
	<b>c) Use of different</b>	<b>False</b>

	<b>method (e.g. "Range tool")?</b>	
The population estimate for these species was not reported in 2007 so no comparison is possible.		

<b>2.5 Habitat for the species</b>		
<b>2.5.1 Area estimation</b>	<p>The specific area of habitat occupied by this species in the UK is unknown.</p> <p>For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.</p> <p>There is thought to be a sufficient amount of habitat in the UK to support a viable population of the species.</p>	
<b>2.5.2 Year or period</b>	<b>1989-2012</b>	
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.5.3 Method used Habitat for the species</b>	<b>Absent data</b>	
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.5.4 Quality of the habitat</b>	<b>a) Habitat quality</b>	<b>Unknown</b>
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
	<b>b) Assessment method</b>	<b>There is insufficient evidence to assess the quality of habitat for these species throughout the UK.</b>
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.5.5 Short-term trend Period</b>	<b>2001-2012</b>	
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.5.6 Short-term trend Trend direction</b>	<b>decrease 1% or less/year</b>	
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.5.7 Long-term trend Period</b>	<b>1989-2012</b>	
Optional	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.5.8 Long-term trend Trend direction</b>	<b>decrease 1% or less/year</b>	
Optional	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
<b>2.5.9 Area of suitable habitat for the species</b>	<b>a) Value in km<sup>2</sup></b>	
	<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>
	Surface area of habitat is unknown so no comparison is possible.	
	<b>b) Improved knowledge/more accurate data?</b>	<b>False</b>
	Surface area of habitat is unknown so no comparison is possible.	
	<b>c) Use of different method (e.g. "Range tool")?</b>	<b>False</b>
	Surface area of habitat is unknown so no comparison is possible.	

2.6 Main pressures		
a) Pressure	b) Ranking	c) Pollution qualifier
	H = high importance (max 5 entries) M = medium importance L = low importance	
A04: grazing	H	
J01: fire and fire suppression	H	
B01: forest planting on open ground	M	
B06: grazing in forests/ woodland	M	
C03: Renewable abiotic energy use	M	
F03: Hunting and collection of wild animals (terrestrial)	M	
H04: Air pollution, air-borne pollutants	M	AN
I02: problematic native species	M	
K02: Biocenotic evolution, succession	M	
D01: Roads, paths and railroads	L	
E01: Urbanised areas, human habitation	L	
G01: Outdoor sports and leisure activities, recreational activities	L	
I01: invasive non-native species	L	
K04: Interspecific floral relations	L	
M01: Changes in abiotic 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 – Pressures</b>	<b>mainly based on expert judgement and other data</b>
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.

<b>2.7 Threats</b>		
<b>a) Threat</b>	<b>b) Ranking</b>	<b>c) Pollution qualifier</b>
	H = high importance (max 5 entries) M = medium importance L = low importance	
A04: grazing	H	
B01: forest planting on open ground	M	
C03: Renewable abiotic energy use	M	
D01: Roads, paths and railroads	M	
F03: Hunting and collection of wild animals (terrestrial)	M	
H04: Air pollution, air-borne pollutants	M	N
I02: problematic native species	M	
J01: fire and fire suppression	M	
M01: Changes in abiotic conditions	M	
E01: Urbanised areas, human habitation	L	
G01: Outdoor sports and leisure activities, recreational activities	L	
I01: invasive non-native species	L	
K01: abiotic (slow) natural processes	L	
K02: Biocenotic evolution, succession	L	

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

information.	
<b>2.7.1 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>2.8 Complementary information</b>	
<b>2.8.1 Justification of % thresholds for trends</b>	
<b>2.8.2 Other relevant information</b>	<p><b>The following species have been included in this assessment:</b></p> <p><b>Cladonia arbuscula subsp. arbuscula</b></p> <p><b>Cladonia arbuscula subsp. squarrosa</b></p> <p><b>Cladonia azorica</b></p> <p><b>Cladonia ciliata var. ciliata</b></p> <p><b>Cladonia ciliata var. tenuis</b></p> <p><b>Cladonia mediterranea</b></p> <p><b>Cladonia mitis</b></p> <p><b>Cladonia portentosa</b></p> <p><b>Cladonia rangiferina</b></p> <p><b>Cladonia stygia</b></p>
<b>2.8.3 Trans-boundary assessment</b>	

<b>2.9 Conclusions (<i>assessment of conservation status at end of reporting period</i>)</b>		
<b>2.9.1 Range</b>	<b>a) Conclusion</b>	<b>Favourable</b>
	Surface area of range is equal to the FRV and the short term trend is thought to be stable.	
	<b>b) Qualifier</b>	
<b>2.9.2 Population</b>	<b>a) Conclusion</b>	<b>Favourable</b>
	Population is thought to be equal to the FRV and the short term trend is thought to be stable.	
	<b>b) Qualifier</b>	
<b>2.9.3 Habitat for the species</b>	<b>a) Conclusion</b>	<b>Inadequate</b>
	Habitat has been assessed as Inadequate because although there is	



	thought to be sufficient amount of habitat for the species to be viable, the short term trend is a slight decline, and is uncertain whether the habitat quality is sufficient.	
	<b>b) Qualifier</b>	
<b>2.9.4 Future prospects</b>	<b>a) Conclusion</b>	<b>Favourable</b>
	Future prospects is assessed as Favourable on the basis of assessments of the future prospects of the three parameters, range, population and habitat for species: Range future prospects: Good Population future prospects: Good Habitat future prospects: Unknown Overall future prospects: Favourable.	
	<b>b) Qualifier</b>	
<b>2.9.5 Overall assessment of Conservation Status</b>	<b>Inadequate</b>	
	The overall assessment is Inadequate because habitat for species has been assessed as Inadequate.	
<b>2.9.6 Overall trend in Conservation Status</b>	<b>stable</b>	

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

<b>3.1 Population</b>		
<b>3.1.1 Population size</b>  Estimation of population size included <u>in the SAC network</u>	<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)  Optional	

**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.

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

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