



## **UK priority species pages – Version 2**

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**SPECIES PAGES FOR 2007 UK BAP PRIORITY SPECIES**

(see endnotes for an explanation of the various components of this compilation).

**Cryphaea lamyana (Mont.) Muell.Hal.**

**Multi-fruited River Moss**

**1 General information**

Level 1	Non-vascular plants
Level 2	bryophyte
On 1997 UK BAP list	Species Action Plan

**2 UK BAP criteria<sup>i</sup>**

1. International threat	2. International responsibility (2a) + moderate decline in UK (2b)	3. Marked decline in the UK	4. Other important factor(s)
False	False	False	True

**3 Evidence for Criteria<sup>ii</sup>**

Criterion 1	
Criterion 2a	
Criterion 2b	
Criterion 3	
Criterion 4	NT in Europe, Very restricted range, Evidence of decline, Fluctuating populations

**4 Distribution by Country**

England	Scotland	Wales	Northern Ireland	International Waters
Y	N	Y	N	

**5 Distribution Information**

Distribution data source	BAP 2005 reporting. Threatened Bryophytes Database on the NBN Gateway.
Distribution data notes	In the UK has only ever been known from restricted stretches of a small number of rivers in SW Wales and SW England. Outside of the UK it is only known from Western Europe (including W. Mediterranean) and North Africa.
number of sites (where less than or equal to 10)	

Units used for number of sites	
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**6 Actions identified by experts<sup>iii</sup>**

Action number	Action text	Reporting category
1	Targetted survey of suitable stretches of rivers in SW Wales and SW England other than those already known to host the species.	Species-specific monitoring/survey
2	Undertake experimental management and substrate/water chemistry investigations to determine the requirements of this species	Species-specific research
3	Investigate the intra-specific variability of the species to determine whether geographically separated populations are genetically distinct	Species-specific research
4	Establish and maintain ex-situ populations of this species.	Species-specific management action
5	Ensure that suitable trees and large shrubs on which the species grows are protected from felling and do not become heavily shaded.	Species-specific prescriptive habitat action

**8 Additional information from specialists<sup>iv</sup>**

Attribute	Value
NBN current scientific name	Cryphaea lamyana
NBN common name	Multi-fruited River Moss
classification level 1	Non-vascular plants
classification level 2	bryophyte
Proportion left	1
decline	0
over observed years	0
decline over 25 years	0
Crit1 satisfied Yes/No/ Unknown	no
Confidence in assesment crit 1	high
Crit2 satisfied Yes/No/ Unknown	no
Crit3 satisfied Yes/No/ Unknown	unknown
Factor	NT in Europe, Very restricted range, Evidence of decline, Fluctuating populations
Crit4 satisfied (Yes/ No/ Unknown)	yes
Confidence in assesment crit 4	high
1st source	Hodgetts (2005)
2nd source	ECCB



## 10 Species designations<sup>v</sup>

Abbreviation	Reporting Category	Designation	Designation description	Year	Source	Comment
England NERC S.41	Biodiversity Lists - England	England NERC S.41	Species “of principal importance for the purpose of conserving biodiversity” covered under section 41 (England) of the NERC Act (2006) and therefore need to be taken into consideration by a public body when performing any of its functions with a view to conserving biodiversity.	2008	Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (section 41) and Wales (section 42)	Geographic constraint=Listing is for England only
Wales NERC S.42	Biodiversity Lists - Wales	Wales NERC S.42	Species “of principal importance for the purpose of conserving biodiversity” covered under Section 42 (Wales) of the NERC Act (2006) and therefore need to be taken into consideration by a public body when performing any of its functions with a view to conserving biodiversity.	2009	Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (section 41) and Wales (section 42)	Geographic constraint=Listing is for Wales only
BAP:2007	Biodiversity Action Plan UK list of priority species	Priority Species	The UK List of Priority Species and Habitats contains 1150 species and 65 habitats that have been listed as priorities for conservation action under the	2007	UK list of Priority Habitats and Species	status on former BAP list: Species Action Plan

			UK Biodiversity Action Plan (UK BAP).			
RedList_GB_post2001:VU	Red listing based on 2001 IUCN guidelines	Vulnerable	A taxon is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium term future.	2007	Bryophyte Red List (British Bryological Society, 2005) + Preston, C.D. (2006). A revised list of nationally scarce bryophytes. Field Bryology 90: 22-30.	
Status:NR	Rare and scarce species (not based on IUCN criteria)	Nationally rare	Occurring in 15 or fewer hectads in Great Britain. Excludes rare species qualifying under the main IUCN criteria.	2007	Bryophyte Red List (British Bryological Society, 2005) + Preston, C.D. (2006). A revised list of nationally scarce bryophytes. Field Bryology 90: 22-30.	
Status:NR	Rare and scarce species (not based on IUCN criteria)	Nationally rare	Occurring in 15 or fewer hectads in Great Britain. Excludes rare species qualifying under the main IUCN criteria.	2010	A revised list of nationally rare bryophytes, 2010	
WACA:Sch8	Wildlife and	Schedule 8	Plants which are protected	1992	Wildlife and	

	Countryside Act 1981		from: intentional picking, uprooting or destruction (Section 13 1a); selling, offering for sale, possessing or transporting for the purpose of sale (live or dead, part or derivative) (Section 13 2a); advertising (any of these) for buying or selling (Section 13 2b).		Countryside Act Schedules 1,5 and 8 (protected birds, animals and plants)	
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## UK BAP 2008 reporting<sup>vi</sup>

(nb this only applies to species on the original 1997 UK BAP priority species list)

### 11 General status

Country	Attribute	Value
Wales		
	Date	2008
	Status unknown	No
	Value	4
	Units	Occupied 10 km squares
	Accuracy	Sample or full survey
	Adequate data	Yes
	Data on NBN	Yes
	Refer to LBAP data	No
	Data source / comments	Holyoak. D. Species dossier - Cryphaea lamyana (Plantlife) Includes new site found by Sam Bosanquet in Feb 05 NBN Gateway
	Edits made by reporting group	
England		
	Date	2008
	Status unknown	No
	Value	8
	Units	Occupied 10 km squares
	Accuracy	Sample or full survey
	Adequate data	Yes
	Data on NBN	Yes
	Refer to LBAP data	No

	Data source / comments	Holyoak. D. Species dossier - Cryphaea lamyana (Plantlife)
	Edits made by reporting group	
UK		
	Date	2008
	Status unknown	No
	Value	12
	Units	Occupied 10 km squares
	Accuracy	Sample or full survey
	Adequate data	Yes
	Data on NBN	Yes
	Refer to LBAP data	No
	Data source / comments	Holyoak. D. Species dossier - Cryphaea lamyana (Plantlife)
	Edits made by reporting group	

## 7 Trends

Country	Attribute	Value
England		
	Date	2008
	Status unknown	No
	Trend	Stable
	Accuracy	Partial survey
	Adequate data	Yes
	Data on NBN	Yes
	Refer to LBAP data	No
	Data source /	Data source = Plantlife & British Bryological Society Species may have declined on the Bovey, Dart

	comments	and Taw, with the loss of localities at downstream edge of range. Info source = Plantlife species dossier (author David Holyoak)
	Edits made by reporting group	
UK		
	Date	2008
	Status unknown	No
	Trend	Stable
	Accuracy	Partial survey
	Adequate data	Yes
	Data on NBN	Yes
	Refer to LBAP data	No
	Data source / comments	Data source = Plantife & British Bryological Society
	Edits made by reporting group	
Wales		
	Date	2008
	Status unknown	No
	Trend	Stable
	Accuracy	Partial survey
	Adequate data	Yes
	Data on NBN	Yes
	Refer to LBAP data	No
	Data source / comments	Data source = Plantife & British Bryological Society
	Edits made by reporting group	

### 8 Successes

Success text	Success category 1	Success category 2	England	NI	Scotland	Wales	Edits by reporting group
Monitoring plots installed on Afon Teifi	Research, survey and information	Monitoring surveys underway	No	No	No	Yes	
English and bilingual versions of leaflet 'Cryphaea lamyana: the multi-fruited river-moss' produced	Communication	Leaflet published	Yes	No	No	Yes	
Successful awareness raising event held in Wales - providing advice to land owners and raising awareness among general public	Communication	Advice to land managers / owners	No	No	No	Yes	
Online species dossier at <a href="http://www.plantlife.org.uk">www.plantlife.org.uk</a>	Communication	Advice to land managers / owners	Yes	No	No	Yes	

### 9 Threats

Threat category 1	Threat category 2	England	NI	Scotland	Wales	Edits made by reporting group

Pollution - freshwater	Agricultural (nutrient enrichment)	Yes	No	No	Yes	
Habitat loss / degradation - drainage/abstraction	Water abstraction (surface water)	Yes	No	No	Yes	
Habitat loss / degradation - woodlands/forestry	Felling / loss of trees (specific host trees / ancient trees)	Yes	No	No	Yes	

## 15 Constraints

Rank	Constraint category 1	Constraint category 2	Constraint summary	England	NI	Scotland	Wales	Solution category	Solution summary
				No	No	No	No		
	No data entered			No	No	No	No	No data entered	

## 10 State of Knowledge

State of knowledge category	Notes	Edits made by reporting group
Knowledge sufficient to make some impact, but more research needed		

## ENDNOTES

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<sup>i</sup> An explanation of these criteria is included at Annex 3 of [UK Biodiversity Action Plan; Report on the Species and Habitat Review](#). BRIG (ed. Ant Maddock) 2007. This review was organised in two stages. Stage 1 looked at the scientific evidence for selecting the UK List of Priority Species and Habitats while stage 2 considered the conservation action needed for these species and habitats and provided signposts to the means of implementing action.

<sup>ii</sup> The information on evidence and the species distribution is as presented on the UK BAP website. Users can download a spreadsheet of the [Stage 1 species evidence](#) from the home page of the UK BAP website.

<sup>iii</sup> Actions were assigned to each and every priority species by expert groups convened at Stage 2 of the Review process. These were subsequently categorised into “signpost categories”. This information is as shown on the UK BAP website See the link for [categorisation \(signposting\) of UK priority species](#).

<sup>iv</sup> This information has been derived from Stage 1 of the priority species review, and is presented in the “marine”, “terrestrial invertebrates” and “other terrestrial species” sheets within the spreadsheet of the [Stage 1 species evidence](#). The information presented here varies according to the taxonomic group. Please note that some of these data have been written for other Expert Group members and may not be of great value to a wider audience.

<sup>v</sup> Information on conservation designations has been extracted from JNCC’s collation of information on [species designations](#). The designations shown in version 2 of these pages are as at December 2010.

<sup>vi</sup> As part of the 2008 UK BAP reporting round lead partners of national plans were asked to answer a number of specific questions. The data will be analysed and used for the UK and country level reports. All of the responses provided through BARS as part of the 2008 reporting exercise are available to [download](#). Note that in the December 2010 version of these pages (version 2) includes corrections to previously truncated text fields.