



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).

Collema dichotomum (With.) Coppins & J.R. Laundon

River Jelly Lichen

1 General information

Level 1	Fungi (including lichens)
Level 2	lichen
On 1997 UK BAP list	Species Action Plan

2 UK BAP criteriaⁱ

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 Criteriaⁱⁱ

Criterion 1	
Criterion 2a	
Criterion 2b	
Criterion 3	
Criterion 4	Vulnerable with a restricted distribution and continuing decline. Nationally Scarce.

4 Distribution by Country

England	Scotland	Wales	Northern Ireland	International Waters
Y	Y	Y	N	

5 Distribution Information

Distribution data source	Stage 1 information
Distribution data notes	Thinly distributed in England, Wales and Scotland
number of sites (where less than or equal to 10)	
Units used for number of sites	

6 Actions identified by expertsⁱⁱⁱ

Action number	Action text	Reporting category
1	Effects of disturbed weather patterns such as very heavy storms, and the scouring effects on rock communities and subsequent development given the changing conditions under the changed habitat niche. Established regular monitoring at a mixed selection of sites within its range, including photo-monitoring.	Monitoring/survey
2	Establish the impact of changes in water quality on extant populations, particularly at sites subject to changing effluent discharge.	Species-specific research
3	Ensure that relevant authorities are aware of all populations through rapid provision of locality data to the NBN and local records centres and through provision of training events	Wider "landscape" action

8 Additional information from specialists^{iv}

Attribute	Value
NBN current scientific name	Collema dichotomum
NBN common name	River Jelly Lichen
classification level 1	Fungi (including lichens)
classification level 2	lichen
Latest UK Population/extent Estimate	<10
Units of measurement	locations
Proportion left	1
decline	0
over observed years	0
decline over 25 years	0
Crit2 satisfied Yes/No/ Unknown	no
Crit3 satisfied Yes/No/ Unknown	unknown
Factor	Vulnerable with a restricted distribution and continuing decline. Nationally Scarce.
Crit4 satisfied (Yes/ No/ Unknown)	yes
Confidence in assesment crit 4	medium
1st source	Woods & Coppins ((2003)

10 Species designations^v

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
NI_Priority	Biodiversity Lists - Northern Ireland	Priority Species (Northern Ireland)	The Northern Ireland Priority List of threatened species requiring conservation action in Northern Ireland. Criteria have been developed to ensure that Priority Species have been chosen using a scientific basis (See http://www.habitas.org.uk/priority/criteria.html). The list is designed to assist those involved in the conservation of biodiversity by guiding decisions on where to target action and invest resources.	2010	Northern Ireland Priority Species List, March 2010	
Scottish Biodiversity List	Biodiversity Lists - Scotland	Scottish Biodiversity List	The Scottish Biodiversity List is a list of flora, fauna and habitats considered by the Scottish Ministers to be of principal importance for biodiversity conservation. The development of the list has been a collaborative effort involving a great many stakeholders overseen by scientists from the Scottish Biodiversity Forum.	2005	Scottish Biodiversity List of species of principal importance for	Geographic constraint=Listing is for Scotland only

			<p>Completion of the list is the first time such a stocktake has been done in Scotland.</p> <p>The Scottish Biodiversity List is a tool for public bodies and others doing their Biodiversity Duty. The publication of the Scottish Biodiversity List satisfies the requirements of Section 2(4) of The Nature Conservation (Scotland) Act 2004.</p>		biodiversity conservation	
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 UK Biodiversity Action Plan (UK BAP).	2007	UK list of Priority Habitats and Species	status on former BAP list: Species Action Plan
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.	2003	A conservation evaluation of British lichens, R.G. Woods &	

					B.J. Coppins. British Lichen Society, London, 2003	
Status:NS	Rare and scarce species (not based on IUCN criteria)	Nationally scarce	Occurring in 16-100 hectads in Great Britain.	2003	A conservation evaluation of British lichens, R.G. Woods & B.J. Coppins. British Lichen Society, London, 2003	
WACA:Sch8	Wildlife and Countryside Act 1981	Schedule 8	Plants which are protected 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).	1992	Wildlife and Countryside Act Schedules 1,5 and 8 (protected birds, animals and plants)	

UK BAP 2008 reporting^{vi}

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

11 General status

Country	Attribute	Value
Scotland		
	Date	2008
	Status unknown	No
	Value	25
	Units	Occupied 10 km squares
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Unknown
	Refer to LBAP data	Yes
	Data source / comments	As for UK. 10km squares confirmed 1990+.
	Edits made by reporting group	
Wales		
	Date	2008
	Status unknown	No
	Value	5
	Units	Occupied 10 km squares
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Unknown
	Refer to LBAP data	Yes

	Data source / comments	As for UK. 10km squares confirmed 1990+.
	Edits made by reporting group	
Northern Ireland		
	Status unknown	Yes
	Data source / comments	No data available.
	Edits made by reporting group	
UK		
	Date	2008
	Status unknown	No
	Value	40
	Units	Occupied 10 km squares
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Unknown
	Refer to LBAP data	Yes
	Data source / comments	'RJL site by 10km grid refs complied by AM and BJ Coppins Dec 2004, updated 01/10/2008'. 10km squares confirmed 1990+.
	Edits made by reporting group	
England		
	Date	2008
	Status unknown	No
	Value	10
	Units	Occupied 10 km squares
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011

	Data on NBN	Unknown
	Refer to LBAP data	Yes
	Data source / comments	As for UK, backed up by survey reports from EA regions. 10km squares confirmed 1990+.
	Edits made by reporting group	

7 Trends

Country	Attribute	Value
UK		
	Status unknown	Yes
	Trend	Unknown
	Accuracy	Unknown
	Adequate data	No and not likely by 2011
	Data on NBN	Unknown
	Refer to LBAP data	Yes
	Edits made by reporting group	Changed accuracy to unknown based on trend
Wales		
	Status unknown	Yes
	Edits made by reporting group	
Scotland		
	Status unknown	Yes
	Adequate data	No and not likely by 2011
	Data on NBN	Unknown
	Refer to LBAP data	Yes
	Edits made by	

	reporting group	
Northern Ireland		
	Status unknown	Yes
	Adequate data	No and not likely by 2011
	Data on NBN	Unknown
	Refer to LBAP data	Yes
	Edits made by reporting group	
England		
	Status unknown	Yes
	Adequate data	No and not likely by 2011
	Data on NBN	Unknown
	Refer to LBAP data	Yes
	Edits made by reporting group	

8 Successes

Success text	Success category 1	Success category 2	England	NI	Scotland	Wales	Edits by reporting group
Distribution survey completed for R. Barle and Upper Exe in Devon/Somerset. R. Coquet in Northumberland continues to be monitored.	Research, survey and information	Baseline survey - achieved or started	Yes	No	No	No	

9 Threats

Threat category 1	Threat category 2	England	NI	Scotland	Wales	Edits made by reporting group
Habitat loss / degradation - drainage/abstraction	Water abstraction (surface water)	Yes	No	No	No	
Pollution - freshwater	Sediment	Yes	Yes	Yes	Yes	
Habitat loss / degradation - infrastructure development	Hydroelectric power	No	No	Yes	Yes	
Pollution - freshwater	Agricultural (nutrient enrichment)	Yes	Yes	Yes	Yes	

15 Constraints

Rank	Constraint category 1	Constraint category 2	Constraint summary	England	NI	Scotland	Wales	Solution category	Solution summary

1	Funding and incentives	General lack of resources	Lack of funds to complete surveys and follow up inaccuracies in historic data.	Yes	Yes	Yes	Yes	Funding, resources and incentive schemes	
1	Partnership	Other	Co-ordinating range of organisations working within catchments (e.g. CFMP, EA, Statutory Conservation body, Rivers Trusts etc) in designing land use agreements.	Yes	Yes	Yes	Yes	Communication/publicity	
3	Research, survey and information	Skills transfer/training required	Inherent difficulties in ID and survey success - flow and turbidity conditions determine whether surveys will go ahead.	Yes	Yes	Yes	Yes	Survey/monitoring	Allow enough time for surveys to be done in good conditions. Training on ID required.

4	Research, survey and information	Data audit/review - required	All historic records have to be reviewed since recording errors known to be high. Research into autecological knowledge, knowledge for effective re-introduction required.	Yes	Yes	Yes	Yes	Research	
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10 State of Knowledge

State of knowledge category	Notes	Edits made by reporting group
Knowledge insufficient and no suitable research programme in place	Due to the questionable accuracy of historic records re surveys, cannot report declines even where populations cannot be found. Very small scale research project beginning in Exmoor, but nationally there are insufficient funds to carry out required programme of research to be able to deliver the plan targets.	

ENDNOTES

ⁱ 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.

ⁱⁱ 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.

ⁱⁱⁱ 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](#).

^{iv} 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.

^v 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.

^{vi} 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.