



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

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To find out more about JNCC visit <http://www.jncc.gov.uk/page-1729>

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

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

**Donacia bicolora Zschach, 1788**

**Two-tone Reed Beetle**

**1 General information**

Level 1	Terrestrial invertebrates
Level 2	beetle
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	True	True

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

Criterion 1	
Criterion 2a	
Criterion 2b	
Criterion 3	>75% decline over 30 years - equivalent to >50% decline over 25 years
Criterion 4	For a species on the current Priority List, factors that caused the original decline are still operating or the species' population has not recovered to a point where it is likely to be viable in the long term

**4 Distribution by Country**

England	Scotland	Wales	Northern Ireland	International Waters
Y	N	Y	Y	

**5 Distribution Information**

Distribution data source	Stage 1 information, BAP 2005 reporting and NBN Gateway
Distribution data notes	
number of sites (where less than or equal to 10)	8
Units used for number of sites	Occupied 10 km squares

## 6 Actions identified by experts<sup>iii</sup>

Action number	Action text	Reporting category
1	Wider countryside measures to conserve lowland rivers and lake margins could well benefit this species. This reed beetle is associated with branched bur-reed growing along the margins of rivers, and sometimes ponds, lakes and canals; proximity to flowing water seems to be preferred. Threats: Water abstraction. Disturbance of marginal vegetation, in particular fragmentation of bur-reed beds. Infilling of lakes and ponds.	Wider "landscape" action
2	Survey is needed to find any new sites, monitoring is needed to understand the status of the species at existing sites. These data are needed to allow reporting against success criteria.	Species-specific monitoring/survey
3	Getting Hazel Burton to publish the result of her PhD thesis	Species-specific research

## 7 Signpost to Priority Habitat<sup>iv</sup>

Priority Habitat Name
Rivers and Streams: Rivers (including Chalk rivers)
Stding Open Water: Eutrophic Standing Waters
Stding Open Water: Ponds

## 8 Additional information from specialists<sup>v</sup>

Attribute	Value
NBN current scientific name	Donacia bicolora
NBN common name	Two-tone Reed Beetle
classification level 1	Terrestrial invertebrates
classification level 2	beetle
Crit 1 Global threat	
Crit 1 European threat	
Crit 1 Supporting info	
Crit 2 % of global pop	
Crit 2 % of European popn	
Crit 2 % of int population Supporting info	
Crit 2 Decline %	
Crit 2 Decline no of years	
Crit 2 Decline dates	
Crit 2 declines supporting info	
Crit 3 Decline %	>75%
Crit 3 Decline no of years	30
Crit 3 Decline dates	1970-2000
Crit 3 supporting info	This species has declined dramatically since

	1970, before which it was widespread throughout southern England, with scattered records north to Northumberland, and in Wales and Ireland.
Crit 4 other important factors	
Sources	Foster, G.N. An annotated checklist of British and Irish water beetles, and associated taxa: Myxophaga and Adepaga – Hydradephaga. The Coleopterist 13 14-160. Foster, G.N. in press. An annotated checklist of British and Irish water beetles, and associated taxa: Polyphaga. The Coleopterist. Hyman and Parsons (1992). A Review of the scarce and threatened Coleoptera of Great Britain, Part 1. Peterborough, JNCC. Hyman and Parsons (1994). A Review of the scarce and threatened Coleoptera of Great Britain, Part 2. Peterborough, JNCC.
Quality	
Criterion(existing bap species)	3



## 10 Species designations<sup>vi</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
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 <a href="http://www.habitas.org.uk/priority/criteria.html">http://www.habitas.org.uk/priority/criteria.html</a> ). 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	
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	Geographic constraint=Listing is for Wales only

					Importance in England (section 41) and Wales (section 42)	
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_Pre94:VU	Red Listing based on pre 1994 IUCN guidelines	Vulnerable	Taxa believed likely to move into the Endangered category in the near future if the causal factors continue operating. Superseded by new IUCN categories in 1994, but still applicable to lists that have not been reviewed since 1994.	1992	A review of the scarce and threatened beetles of Great Britain Part 1 (Hyman, P.S. revised and updated by M.S. Parsons.)	pre 1994 IUCN criteria

## UK BAP 2008 reporting<sup>vii</sup>

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

### 11 General status

Country	Attribute	Value
UK		
	Date	2008
	Status unknown	No
	Value	8
	Units	Occupied 10 km squares
	Accuracy	Partial survey
	Adequate data	Yes
	Data on NBN	Some
	Refer to LBAP data	No
	Edits made by reporting group	
England		
	Date	2008
	Status unknown	No
	Value	5
	Units	Occupied 10 km squares
	Accuracy	Partial survey
	Adequate data	Yes
	Data on NBN	Some
	Refer to LBAP data	No
	Edits made by reporting group	

Northern Ireland		
	Date	2008
	Status unknown	No
	Value	2
	Units	Occupied 10 km squares
	Accuracy	Partial survey
	Adequate data	Yes
	Data on NBN	Some
	Refer to LBAP data	No
	Edits made by reporting group	
Wales		
	Date	2008
	Status unknown	No
	Value	1
	Units	Occupied 10 km squares
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Yes
	Refer to LBAP data	No
	Edits made by reporting group	

## 8 Trends

Country	Attribute	Value
Wales		
	Date	2008
	Status unknown	No
	Trend	No clear trend

	Accuracy	Best guess
	Adequate data	No and not likely by 2011
	Data on NBN	Some
	Refer to LBAP data	No
	Edits made by reporting group	
UK		
	Date	2008
	Status unknown	No
	Trend	Fluctuating - probably declining
	Accuracy	Best guess
	Adequate data	Yes
	Data on NBN	Some
	Refer to LBAP data	No
	Edits made by reporting group	
England		
	Date	2008
	Status unknown	No
	Trend	Declining (slowing)
	Accuracy	Partial survey
	Adequate data	Yes
	Data on NBN	Some
	Refer to LBAP data	No
	Edits made by reporting group	
Northern Ireland		
	Date	2008

	Status unknown	No
	Trend	Fluctuating - probably stable
	Accuracy	Best guess
	Adequate data	Yes
	Data on NBN	Some
	Refer to LBAP data	No
	Edits made by reporting group	

### 9 Successes

Success text	Success category 1	Success category 2	England	NI	Scotland	Wales	Edits by reporting group
Found in Wales	Research, survey and information	Other	No	No	No	Yes	

### 10 Threats

Threat category 1	Threat category 2	England	NI	Scotland	Wales	Edits made by reporting group
No threats reported	No threats reported	No	No	No	No	No threat recorded by Lead Partner

## 15 Constraints

Rank	Constraint category 1	Constraint category 2	Constraint summary	England	NI	Scotland	Wales	Solution category	Solution summary
				Yes	No	No	No		
3	Funding and incentives	Other		Yes	No	No	No	Funding, resources and incentive schemes	

## 11 State of Knowledge

State of knowledge category	Notes	Edits made by reporting group
Knowledge sufficient to effectively deliver the plan targets	It would good to get Hazel Burton's research project written up. Not much point in doing another survey until that happens.	

## ENDNOTES

<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> Where a species action is clearly linked to a BAP priority habitat, the name of the relevant habitat or habitats was identified by the stage 2 expert group.

<sup>v</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>vi</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>vii</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.