



## **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).

***Bembidion quadripustulatum* Audinet-Serville, 1821**

**Scarce Four-dot Pin-palp**

**1 General information**

|                     |                           |
|---------------------|---------------------------|
| Level 1             | Terrestrial invertebrates |
| Level 2             | beetle                    |
| On 1997 UK BAP list |                           |

**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                        | False                        |

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

|              |   |
|--------------|---|
| Criterion 1  |   |
| Criterion 2a |   |
| Criterion 2b |   |
| Criterion 3  | Equates to a 51% decline over a 25-year period. However, in the last 10 years appears to have expanded into the Ouse and Nene catchments of East Anglia, though there is no indication of a change in status elsewhere. |
| Criterion 4  |   |

**4 Distribution by Country**

|         |          |       |                  |                      |
|---------|----------|-------|------------------|----------------------|
| England | Scotland | Wales | Northern Ireland | International Waters |
| Y       |          | Y     |                  |                      |

**5 Distribution Information**

|  |                     |
|--|---------------------|
| Distribution data source                         | Stage 1 information |
| Distribution data notes                          |                     |
| number of sites (where less than or equal to 10) |                     |
| Units used for number of sites                   |                     |



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

| Action number | Action text  | Reporting category                 |
|---------------|--|------------------------------------|
| 1             | Wider countryside measures to conserve functional wetlands should benefit this species. B quadripustulatum is found on wetland margins, including bare sand, mud or chalky-clay margins, well-vegetated fen margins, and bare silt lagoon margins. | 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. This data is needed to allow reporting against success criteria.   | Species-specific monitoring/survey |
| 3             | Research is needed to understand ecological requirements and causes of decline.  | Species-specific research          |

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

| Attribute                                  | Value   |
|--|---|
| NBN current scientific name                | Bembidion quadripustulatum  |
| NBN common name                            | Scarce Four-dot Pin-palp  |
| 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 %                           | 68  |
| Crit 3 Decline no of years                 | 40  |
| Crit 3 Decline dates                       | Between 1900-70 (mean 1945) and 1970-2004 (mean 1985)   |
| Crit 3 supporting info                     | Equates to a 51% decline over a 25-year period. However, in the last 10 years appears to have expanded into the Ouse and Nene catchments of East Anglia, though there is no indication of a change in status elsewhere. |
| Crit 4 other important factors             |   |
| Sources                                    | Ground Beetle Recording Scheme database. Luff, M.L. (1998) Provisional atlas of the   |

|         |   |
|---------|---|
|         | ground beetles (Coleoptera, Carabidae) of Britain. Huntingdon: Biological Records Centre. |
| Quality | Good.   |



## 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 UK Biodiversity Action Plan (UK BAP).   | 2007 | UK list of Priority Habitats and Species  | not on former UK BAP list                         |
| Notable:B         | Rare and scarce species (not based                   | Nationally Notable B | Taxa which do not fall within RDB categories but which are none-the-   | 1992 | A review of the scarce and  |   |

|  |                   |  |  |  |   |  |
|--|-------------------|--|--|--|---|--|
|  | on IUCN criteria) |  | less uncommon in Great Britain and thought to occur in between 31 and 100 10km squares of the National Grid or, for less-well recorded groups between eight and twenty vice-counties. Superseded by Nationally Scarce, and therefore no longer in use. |  | threatened beetles of Great Britain Part 1 (Hyman, P.S. revised and updated by M.S. Parsons.) |  |
|--|-------------------|--|--|--|---|--|

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

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

### 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.