

**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

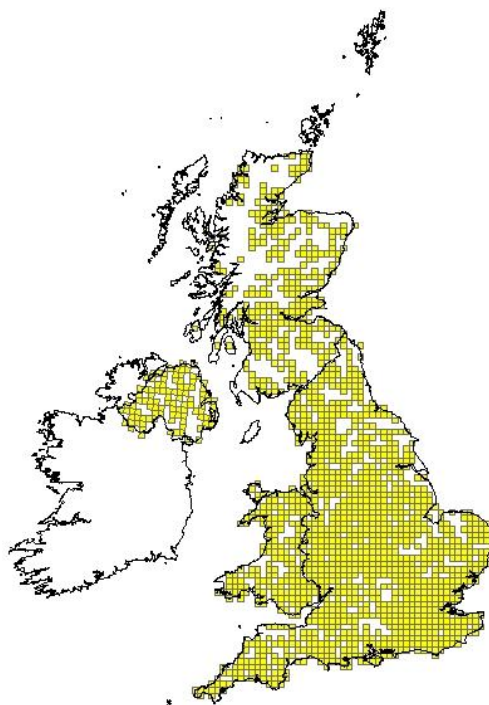
Species:

S1314 - Daubenton's bat (*Myotis daubentonii*)

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> | |
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| 0.2 Species | 0.2.1 Species code | S1314 |
| | 0.2.2 Species scientific name | <i>Myotis daubentonii</i> |
| | 0.2.3 Alternative species scientific name Optional | |
| | 0.2.4 Common name Optional | |

| 1.1 Maps | | | |
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| 1.1.1 Distribution map | True | Sensitive | False |
| | 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. | | |



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| 1.1.2 Method used - map | Estimate based on partial data with some extrapolation and/or modelling | | |
| | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | | |
| 1.1.3 Year or period | 1980-2012 | | |
| | The distribution map is based on species records which are considered to be representative of the range within the current reporting period. | | |

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| 1.1.4 Additional distribution map Optional | False |
| 1.1.5 Range map | True 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 this species was 45km. For further details see the 2013 Article 17 UK Approach document. |



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| 2.1 Biogeographical region & marine regions | ATL |
| 2.2 Published sources | <p>Allen, P., Forsyth, I., Hale, P. & Rogers, S. (2000). Bats in Northern Ireland. Irish Naturalists' Journal. Special Zoological Supplement.</p> <p>Anon (2007) The National Monitoring Programme, Annual Report 2006. Bat Conservation Trust, UK.</p> <p>Anon (2009) The National Monitoring Programme, Annual Report 2008. Bat Conservation Trust, UK.</p> <p>Aughney, T., Carden, R. & Roche, N. (2009) Irish Bat Monitoring and Recording Schemes: Annual Report 2008. Bat Conservation Ireland, www.batconservationireland.org.</p> <p>Aughney, T., Langton, S. & Roche, N. (2007) All Ireland Daubenton's Bat Waterway Monitoring Scheme 2006: Irish Bat Monitoring and Recording Schemes. Bat Conservation Ireland, www.batconservationireland.org.</p> <p>Aughney, T., Langton, S. and Roche, N. (2012) All Ireland Daubenton's Bat Waterway Monitoring Scheme 2006-2011. Irish Wildlife Manuals, No. 61. National Parks and Wildlife Service, Department of the Arts, Heritage and the Gaeltacht, Ireland.</p> <p>Aughney, T., Roche, N. and Langton, S. (2010) Irish Bat</p> |

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HAINES-YOUNG, R.H., BARR, C.J., BLACK, H.I.J., BRIGGS, D.J., BUNCE, R.G.H., CLARKE, R.T., COOPER, A., DAWSON, F.H., FIRBANK, L.G., FULLER, R.M., FURSE, M.T., GILLESPIE, M.K., HILL, R., HORNUNG, M., HOWARD, D.C., McCANN, T., MORECROFT, M.D., PETIT, S., SIER, A.R.J., SMART, S.M., SMITH, G.M., STOTT, A.P., STUART, R.C. & WATKINS, J.W. 2000. Accounting for nature: assessing habitats in the UK countryside. Countryside Survey 2000. DETR, HMSO, London www.countryside.gov.uk/archiveCS2000/report.htm

Harris S. & Yalden D. (eds.) (2008). Mammals of the British Isles Handbook, 4th Edition. The Mammal Society, Southampton, England.

Harris, S., Morris, P., Wray, S. & Yalden, D. 1995. A review of British mammals: population estimates and conservation status of British mammals other than cetaceans. Joint Nature. Conservation Committee, Peterborough.

Hopkirk, A., Aughney T., and Roche, N. (2010). BATLAS Northern Ireland Report for 2009. Irish Bat Monitoring Schemes. Bat Conservation Ireland. Unpublished Report.

Lundy M.G., Montgomery W.I. (2010). Summer habitat associations of bats between riparian landscapes and within riparian areas. European Journal of Wildlife Research 56, 385-394.

Lundy, M.G., Aughney, T., Montgomery, W.I., and Roche, N. (2011). Landscape conservation for Irish bats & species specific roosting characteristics. Bat Conservation Ireland. Unpublished.

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| | <p>Service, Department of the Environment, Heritage and Local Government. Dublin, Ireland.</p> <p>O'Sullivan, P. (1994). Bats in Ireland. <i>Irish Naturalists' Journal</i>, 24: Special Zoological Supplement.</p> <p>Richardson, P. (2000). Distribution atlas of bats in Britain and Ireland, 1980-1999. The Bat Conservation Trust, London.</p> <p>Russ, J. (2008). Review of ASSI designations for bats in Northern Ireland. Northern Ireland Environment Agency, Research and Development Series 08/09.</p> <p>Russ, J.M. & Montgomery, W.I. (2002). Habitat association of bats in Northern Ireland: implications for conservation. <i>Biological Conservation</i>. 108: 49-58.</p> <p>SPEAKMAN, J.R. 1991. The impact of predation by birds on bat populations in the British Isles. <i>Mammal Review</i>, 21, 123-142 http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2907.1991.tb00114.x/abstract.</p> <p>WARREN, R.D., WATERS, D.A., ALTRINGHAM, J.D. & BULLOCK, D.J. 2000. The distribution of Daubenton's bats (<i>Myotis daubentonii</i>) and pipistrelle bats (<i>Pipistrellus pipistrellus</i>) (<i>Vespertilionidae</i>) in relation to small-scale variation in riverine habitat. <i>Biological Conservation</i>, 92, 85-91.</p> <p>UK distribution map data sources</p> <p>Bat colony survey data</p> <p>Bat Conservation Ireland Emailed to JNCC (LH) by Kyle Hunter 17/10/2012</p> <p>Bat Conservation Ireland Emailed to JNCC (LH) by Kyle Hunter 19/11/2012</p> <p>Bat Conservation Trust Emailed to JNCC (LH) by Kyle Hunter 17/10/2012</p> <p>Bat waterway data</p> <p>CeDAR Emailed to JNCC (LH) by Kyle Hunter 17/10/2012</p> <p>Distribution Atlas of Bats in Britain and Ireland (1980-1999): data spreadsheet</p> <p>J. Haddow (pers. comm.) SNH</p> <p>Mammals Database</p> <p>NBN Bat Conservation Trust NBMP Daubenton's Bat Waterway Survey. Sent to JNCC 17/08/2012</p> <p>NBN Gateway BATS & The Millennium Link GA000376 Extracted 21/08/2012 Limited bat records associated with the Union and Forth & Clyde canals (Period 2000 to 2005)</p> <p>NBN Gateway Biological Records Centre GA000074 Extracted 21/08/2012 Mammal records from Britain from the Atlas of Mammals (1993), with some subsequent records</p> <p>NBN Gateway Biological Records In Essex GA001035 Extracted 21/08/2012 Bat records for Essex from 1971 - present.</p> <p>NBN Gateway Bristol Regional Environmental Records Centre GA001100 Extracted 21/08/2012 BRERC JNCC May 2012</p> <p>NBN Gateway Cumbria Biodiversity Data Centre GA000871 Extracted 21/08/2012 Cumbria Biodiversity Data Centre.</p> <p>Vertebrate Observation Records, other than Birds. Pre-2010 for Cumbria</p> <p>NBN Gateway data: extracted by LH 11/09/2012 National Trust GA001105 Extract of National Trust species database covering Article 17 species</p> |
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| | <p>NBN Gateway data: extracted by LH 11/09/2012 The Bat Conservation Trust GA000319 Daubenton's Bat Waterway Survey</p> <p>NBN Gateway Derbyshire Biological Records Centre GA000622 Extracted 21/08/2012 Derbyshire & Peak District Protected Species Database (Summary of available records 1970- 2008)</p> <p>NBN Gateway Devon Biodiversity Records Centre GA000688 Extracted 21/08/2012 Devon bat roost data</p> <p>NBN Gateway Dorset Environmental Records Centre GA001010 Extracted 21/08/2012 Dorset Important Species 2012 for Natural England use only</p> <p>NBN Gateway EcoRecord GA000722 Extracted 21/08/2012 Mammal Records held by EcoRecord</p> <p>NBN Gateway Environmental Records Information Centre North East GA000604 Extracted 21/08/2012 ERIC North East sensitive species records</p> <p>NBN Gateway Fife Nature Records Centre GA000387 Extracted 21/08/2012 Records for Fife Nature Records Centre</p> <p>NBN Gateway Greater Manchester Ecology Unit GA000546 Extracted 21/08/2012 Distribution of Bats in Greater Manchester</p> <p>NBN Gateway Herefordshire Biological Records Centre GA001084 Extracted 21/08/2012 Herefordshire Biological Records Centre Species Records</p> <p>NBN Gateway Highland Biological Recording Group GA000497 Extracted 21/08/2012 HBRG Vertebrates (not Badger) Dataset</p> <p>NBN Gateway Humber Environmental Data Centre GA000842 Extracted 21/08/2012 Humber Environmental Data Centre - Sensitive Records from all taxonomic groups</p> <p>NBN Gateway Lancashire Environment Record Network GA001068 Extracted 21/08/2012 West Lancashire Bat Records</p> <p>NBN Gateway Leicestershire and Rutland Environmental Records Centre GA000647 Extracted 21/08/2012 Leicestershire Bat Records to 30/06/2009</p> <p>NBN Gateway Lincolnshire Biodiversity Partnership GA000921 Extracted 21/08/2012 Lincolnshire Bats (sightings)</p> <p>NBN Gateway Lincolnshire Biodiversity Partnership GA000922 Extracted 21/08/2012 Lincolnshire Bats (roosts)</p> <p>NBN Gateway Merseyside BioBank GA000990 Extracted 21/08/2012 North Merseyside Mammals (unverified)</p> <p>NBN Gateway Merseyside BioBank GA000991 Extracted 21/08/2012 North Merseyside Mammals (verified)</p> <p>NBN Gateway National Trust for Scotland GA000468 Extracted 21/08/2012</p> <p>NBN Gateway National Trust GA000565 Extracted 21/08/2012 Wicken Fen nature reserve species data held by The National Trust</p> <p>NBN Gateway National Trust GA001105 Extracted 21/08/2012 Extract of National Trust species database covering Article 17 species</p> <p>NBN Gateway Natural England GA000161 Extracted 21/08/2012 Batsites inventory for England (1949-2011)</p> <p>NBN Gateway North & East Yorkshire Ecological Data Centre GA000840 Extracted 21/08/2012 North and East Yorkshire Ecological Data Centre - Sensitive Records from all taxonomic groups</p> |
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| | <p>NBN Gateway Nottinghamshire Biological and Geological Records Centre GA000542 Extracted 21/08/2012 Nottinghamshire bat dataset</p> <p>NBN Gateway Rotherham Biological Records Centre GA000844 Extracted 21/08/2012 Rotherham Biological Records Centre - Sensitive Records from all taxonomic groups</p> <p>NBN Gateway Royal Horticultural Society GA000550 Extracted 21/08/2012 RHS monitoring of native and naturalised plants and animals at its gardens and surrounding areas</p> <p>NBN Gateway Scottish Natural Heritage GA000080 Extracted 21/08/2012 Bat Records for Scotland 1970-2007</p> <p>NBN Gateway Scottish Natural Heritage GA001147 Extracted 21/08/2012 Compilation of records of 12 Article 17 terrestrial mammal species in Scotland</p> <p>NBN Gateway Scottish Wildlife Trust GA000736 Extracted 21/08/2012 Commissioned surveys and staff surveys and reports for SWT reserves.</p> <p>NBN Gateway Sheffield Biological Records Centre GA000879 Extracted 21/08/2012 Sheffield Biological Records Centre- Sensitive Records from all taxonomic groups.</p> <p>NBN Gateway Shropshire Ecological Data Network GA000693 Extracted 21/08/2012 Shropshire Ecological Data Network Database</p> <p>NBN Gateway Staffordshire Ecological Record GA000548 Extracted 21/08/2012 SER Site-based Surveys</p> <p>NBN Gateway Staffordshire Ecological Record GA000549 Extracted 21/08/2012 SER Species-based Surveys</p> <p>NBN Gateway Suffolk Biological Records Centre GA000623 Extracted 21/08/2012 Suffolk Biological Records Centre (SBRC) dataset</p> <p>NBN Gateway Sussex Biodiversity Record Centre GA001058 Extracted 21/08/2012 UK Habitat Directive data</p> <p>NBN Gateway Sussex Biodiversity Record Centre GA001076 Extracted 21/08/2012 SxBRC Full dataset for Environment Agency and Natural England use only.</p> <p>NBN Gateway Thames Valley Environmental Records Centre GA000739 Extracted 21/08/2012 Natural England Bat Records for Berkshire and Oxfordshire (Held by Thames Valley Environmental Records Centre)</p> <p>NBN Gateway The Bat Conservation Trust GA000319 Extracted 21/08/2012 Daubenton's Bat Waterway Survey</p> <p>NBN Gateway The Bat Conservation Trust GA000570 Extracted 21/08/2012 Bechstein's Bat Survey Project</p> <p>NBN Gateway The Bat Conservation Trust GA000612 Extracted 21/08/2012 Hibernation Survey</p> <p>NBN Gateway The Bat Conservation Trust GA000616 Extracted 21/08/2012 Colony Count Survey</p> <p>NBN Gateway Wiltshire and Swindon Biological Records Centre GA000630 Extracted 21/08/2012 Wiltshire & Swindon Incidental Species Records</p> <p>NBN Gateway Wiltshire and Swindon Biological Records Centre GA001098 Extracted 21/08/2012 Wiltshire and Swindon Habitats Directive (Article 17) Species - Reporting Group Use Only</p> <p>NBN Gateway Worcestershire Biological Records Centre GA000636 Extracted 21/08/2012 Natural England species data</p> |
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| | <p>for SSSI within Worcestershire from date of notification to present</p> <p>NBN Gateway Worcestershire Biological Records Centre GA000712 Extracted 21/08/2012 WBRC Species data for Worcestershire collated by date.</p> <p>NBN Gateway Yorkshire Wildlife Trust GA000838 Extracted 21/08/2012 Yorkshire Wildlife Trust - Sensitive records from all taxonomic groups</p> <p>Northern Ireland Bat Group Emailed to JNCC (LH) by Kyle Hunter 17/10/2012</p> <p>The Vincent Wildlife Trust Bat Box data. Sent to JNCC (LH) via Jean Matthews (CCW) 23/08/2012</p> <p>Wales LRC Priority & Protected Species layer Bat data from Cwm Lleidi Reservoir WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat data, National Trust, Ceredigion & Carmarthenshire WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat data, National Trust, Pembrokeshire WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat records from Matt Zeale WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat records, 2011 WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat roosts database, Pembrokeshire WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat Sites in BBNP - Brecknock Wildlife Trust BIS</p> <p>Wales LRC Priority & Protected Species layer Bats CCW Llandeilo WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bats National Trust Dinefwr 2009 WWBIC</p> <p>Wales LRC Priority & Protected Species layer BIS Casual Records BIS</p> <p>Wales LRC Priority & Protected Species layer BRC - Mammal Records SEWBReC</p> <p>Wales LRC Priority & Protected Species layer Breconshire Mammals VC42 BIS</p> <p>Wales LRC Priority & Protected Species layer Cardiff SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW (Cardiff) Cosmeston Park SSSI SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW (Swansea) Bat Records for Underground Sites SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW Abergavenny SSSI Scientific Data BIS</p> <p>Wales LRC Priority & Protected Species layer CCW Bat Database BIS</p> <p>Wales LRC Priority & Protected Species layer CCW Bat Roosts Database Pembrokeshire WWBIC</p> <p>Wales LRC Priority & Protected Species layer CCW Ceredigion Bats WWBIC</p> <p>Wales LRC Priority & Protected Species layer CCW- HQ - Terr-Bat Roosts Database - Wales SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW- HQ - Terr-Important Welsh Bat Roosts Database SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW Licence Returns Data BIS</p> <p>Wales LRC Priority & Protected Species layer CCW Metal Mine</p> |
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| | <p>Survey WWBIC Wales LRC Priority & Protected Species layer CCW Montgomeryshire BAP Species Files BIS Wales LRC Priority & Protected Species layer CCW-HQ-Terr-Important Welsh Bat Roosts Database (BATSITES-WALES) WWBIC Wales LRC Priority & Protected Species layer English Nature Bat Sites SEWBRcC Wales LRC Priority & Protected Species layer Glamorgan Mammal Records SEWBRcC Wales LRC Priority & Protected Species layer Gwent Bat Survey SEWBRcC Wales LRC Priority & Protected Species layer Mammals Carmarthenshire WWBIC Wales LRC Priority & Protected Species layer Merthyr Tydfil LBAP Miscellaneous Records SEWBRcC Wales LRC Priority & Protected Species layer Miscellaneous records BIS area - unverified BIS Wales LRC Priority & Protected Species layer Monmouthshire Mammal Records SEWBRcC Wales LRC Priority & Protected Species layer Montgomeryshire VC47 Mammal records BIS Wales LRC Priority & Protected Species layer National Bat Monitoring Programme Data SEWBRcC Wales LRC Priority & Protected Species layer National Trust Bat Records SEWBRcC Wales LRC Priority & Protected Species layer Radnorshire Mammal Records BIS Wales LRC Priority & Protected Species layer Radnorshire mammals VC43 BIS Wales LRC Priority & Protected Species layer SEWBRcC Casual Records SEWBRcC Wales LRC Priority & Protected Species layer SN40 WWBIC Wales LRC Priority & Protected Species layer SN41 WWBIC Wales LRC Priority & Protected Species layer Valleys Bat Group Records SEWBRcC Wales LRC Priority & Protected Species layer. Record exported from Cofnod Database on 27/04/2012</p> <p>UK Distribution Map data sources</p> <p>Bat colony survey data Bat Conservation Ireland Emailed to JNCC (LH) by Kyle Hunter 17/10/2012 Bat Conservation Ireland Emailed to JNCC (LH) by Kyle Hunter 19/11/2012 Bat Conservation Trust Emailed to JNCC (LH) by Kyle Hunter 17/10/2012 Bat waterway data CeDAR Emailed to JNCC (LH) by Kyle Hunter 17/10/2012 Distribution Atlas of Bats in Britain and Ireland (1980-1999): data spreadsheet J. Haddow (pers. comm.) SNH Mammals Database</p> |
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| | <p>NBN Bat Conservation Trust NBMP Daubenton's Bat Waterway Survey. Sent to JNCC 17/08/2012</p> <p>NBN Gateway BATS & The Millennium Link GA000376 Extracted 21/08/2012 Limited bat records associated with the Union and Forth & Clyde canals (Period 2000 to 2005)</p> <p>NBN Gateway Biological Records Centre GA000074 Extracted 21/08/2012 Mammal records from Britain from the Atlas of Mammals (1993), with some subsequent records</p> <p>NBN Gateway Biological Records In Essex GA001035 Extracted 21/08/2012 Bat records for Essex from 1971 - present.</p> <p>NBN Gateway Bristol Regional Environmental Records Centre GA001100 Extracted 21/08/2012 BRERC JNCC May 2012</p> <p>NBN Gateway Cumbria Biodiversity Data Centre GA000871 Extracted 21/08/2012 Cumbria Biodiversity Data Centre. Vertebrate Observation Records, other than Birds. Pre-2010 for Cumbria</p> <p>NBN Gateway data: extracted by LH 11/09/2012 National Trust GA001105 Extract of National Trust species database covering Article 17 species</p> <p>NBN Gateway data: extracted by LH 11/09/2012 The Bat Conservation Trust GA000319 Daubenton's Bat Waterway Survey</p> <p>NBN Gateway Derbyshire Biological Records Centre GA000622 Extracted 21/08/2012 Derbyshire & Peak District Protected Species Database (Summary of available records 1970- 2008)</p> <p>NBN Gateway Devon Biodiversity Records Centre GA000688 Extracted 21/08/2012 Devon bat roost data</p> <p>NBN Gateway Dorset Environmental Records Centre GA001010 Extracted 21/08/2012 Dorset Important Species 2012 for Natural England use only</p> <p>NBN Gateway EcoRecord GA000722 Extracted 21/08/2012 Mammal Records held by EcoRecord</p> <p>NBN Gateway Environmental Records Information Centre North East GA000604 Extracted 21/08/2012 ERIC North East sensitive species records</p> <p>NBN Gateway Fife Nature Records Centre GA000387 Extracted 21/08/2012 Records for Fife Nature Records Centre</p> <p>NBN Gateway Greater Manchester Ecology Unit GA000546 Extracted 21/08/2012 Distribution of Bats in Greater Manchester</p> <p>NBN Gateway Herefordshire Biological Records Centre GA001084 Extracted 21/08/2012 Herefordshire Biological Records Centre Species Records</p> <p>NBN Gateway Highland Biological Recording Group GA000497 Extracted 21/08/2012 HBRG Vertebrates (not Badger) Dataset</p> <p>NBN Gateway Humber Environmental Data Centre GA000842 Extracted 21/08/2012 Humber Environmental Data Centre - Sensitive Records from all taxonomic groups</p> <p>NBN Gateway Lancashire Environment Record Network GA001068 Extracted 21/08/2012 West Lancashire Bat Records</p> <p>NBN Gateway Leicestershire and Rutland Environmental Records Centre GA000647 Extracted 21/08/2012 Leicestershire Bat Records to 30/06/2009</p> <p>NBN Gateway Lincolnshire Biodiversity Partnership GA000921 Extracted 21/08/2012 Lincolnshire Bats (sightings)</p> <p>NBN Gateway Lincolnshire Biodiversity Partnership GA000922 Extracted 21/08/2012 Lincolnshire Bats (roosts)</p> <p>NBN Gateway Merseyside BioBank GA000990 Extracted 21/08/2012 North Merseyside Mammals (unverified)</p> |
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| | <p>NBN Gateway Merseyside BioBank GA000991 Extracted 21/08/2012 North Merseyside Mammals (verified)</p> <p>NBN Gateway National Trust for Scotland GA000468 Extracted 21/08/2012</p> <p>NBN Gateway National Trust GA000565 Extracted 21/08/2012 Wicken Fen nature reserve species data held by The National Trust</p> <p>NBN Gateway National Trust GA001105 Extracted 21/08/2012 Extract of National Trust species database covering Article 17 species</p> <p>NBN Gateway Natural England GA000161 Extracted 21/08/2012 Batsites inventory for England (1949-2011)</p> <p>NBN Gateway North & East Yorkshire Ecological Data Centre GA000840 Extracted 21/08/2012 North and East Yorkshire Ecological Data Centre - Sensitive Records from all taxonomic groups</p> <p>NBN Gateway Nottinghamshire Biological and Geological Records Centre GA000542 Extracted 21/08/2012 Nottinghamshire bat dataset</p> <p>NBN Gateway Rotherham Biological Records Centre GA000844 Extracted 21/08/2012 Rotherham Biological Records Centre - Sensitive Records from all taxonomic groups</p> <p>NBN Gateway Royal Horticultural Society GA000550 Extracted 21/08/2012 RHS monitoring of native and naturalised plants and animals at its gardens and surrounding areas</p> <p>NBN Gateway Scottish Natural Heritage GA000080 Extracted 21/08/2012 Bat Records for Scotland 1970-2007</p> <p>NBN Gateway Scottish Natural Heritage GA001147 Extracted 21/08/2012 Compilation of records of 12 Article 17 terrestrial mammal species in Scotland</p> <p>NBN Gateway Scottish Wildlife Trust GA000736 Extracted 21/08/2012 Commissioned surveys and staff surveys and reports for SWT reserves.</p> <p>NBN Gateway Sheffield Biological Records Centre GA000879 Extracted 21/08/2012 Sheffield Biological Records Centre- Sensitive Records from all taxonomic groups.</p> <p>NBN Gateway Shropshire Ecological Data Network GA000693 Extracted 21/08/2012 Shropshire Ecological Data Network Database</p> <p>NBN Gateway Staffordshire Ecological Record GA000548 Extracted 21/08/2012 SER Site-based Surveys</p> <p>NBN Gateway Staffordshire Ecological Record GA000549 Extracted 21/08/2012 SER Species-based Surveys</p> <p>NBN Gateway Suffolk Biological Records Centre GA000623 Extracted 21/08/2012 Suffolk Biological Records Centre (SBRC) dataset</p> <p>NBN Gateway Sussex Biodiversity Record Centre GA001058 Extracted 21/08/2012 UK Habitat Directive data</p> <p>NBN Gateway Sussex Biodiversity Record Centre GA001076 Extracted 21/08/2012 SxBRC Full dataset for Environment Agency and Natural England use only.</p> <p>NBN Gateway Thames Valley Environmental Records Centre GA000739 Extracted 21/08/2012 Natural England Bat Records for Berkshire and Oxfordshire (Held by Thames Valley Environmental Records Centre)</p> <p>NBN Gateway The Bat Conservation Trust GA000319 Extracted 21/08/2012 Daubenton's Bat Waterway Survey</p> <p>NBN Gateway The Bat Conservation Trust GA000570 Extracted 21/08/2012 Bechstein's Bat Survey Project</p> <p>NBN Gateway The Bat Conservation Trust GA000612 Extracted 21/08/2012 Hibernation Survey</p> <p>NBN Gateway The Bat Conservation Trust GA000616 Extracted 21/08/2012 Colony Count Survey</p> <p>NBN Gateway Wiltshire and Swindon Biological Records Centre</p> |
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| | <p>GA000630 Extracted 21/08/2012 Wiltshire & Swindon Incidental Species Records</p> <p>NBN Gateway Wiltshire and Swindon Biological Records Centre</p> <p>GA001098 Extracted 21/08/2012 Wiltshire and Swindon Habitats Directive (Article 17) Species - Reporting Group Use Only</p> <p>NBN Gateway Worcestershire Biological Records Centre GA000636 Extracted 21/08/2012 Natural England species data for SSSI within Worcestershire from date of notification to present</p> <p>NBN Gateway Worcestershire Biological Records Centre GA000712 Extracted 21/08/2012 WBRC Species data for Worcestershire collated by date.</p> <p>NBN Gateway Yorkshire Wildlife Trust GA000838 Extracted 21/08/2012 Yorkshire Wildlife Trust - Sensitive records from all taxonomic groups</p> <p>Northern Ireland Bat Group Emailed to JNCC (LH) by Kyle Hunter 17/10/2012</p> <p>The Vincent Wildlife Trust Bat Box data. Sent to JNCC (LH) via Jean Matthews (CCW) 23/08/2012</p> <p>Wales LRC Priority & Protected Species layer Bat data from Cwm Lleidi Reservoir WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat data, National Trust, Ceredigion & Carmarthenshire WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat data, National Trust, Pembrokeshire WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat records from Matt Zeale WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat records, 2011 WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat roosts database, Pembrokeshire WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bat Sites in BBNP - Brecknock Wildlife Trust BIS</p> <p>Wales LRC Priority & Protected Species layer Bats CCW Llandeilo WWBIC</p> <p>Wales LRC Priority & Protected Species layer Bats National Trust Dinefwr 2009 WWBIC</p> <p>Wales LRC Priority & Protected Species layer BIS Casual Records BIS</p> <p>Wales LRC Priority & Protected Species layer BRC - Mammal Records SEWBReC</p> <p>Wales LRC Priority & Protected Species layer Breconshire Mammals VC42 BIS</p> <p>Wales LRC Priority & Protected Species layer Cardiff SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW (Cardiff) Cosmeston Park SSSI SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW (Swansea) Bat Records for Underground Sites SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW Abergavenny SSSI Scientific Data BIS</p> <p>Wales LRC Priority & Protected Species layer CCW Bat Database BIS</p> <p>Wales LRC Priority & Protected Species layer CCW Bat Roosts Database Pembrokeshire WWBIC</p> <p>Wales LRC Priority & Protected Species layer CCW Ceredigion Bats WWBIC</p> <p>Wales LRC Priority & Protected Species layer CCW- HQ - Terr- Bat Roosts Database - Wales SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW- HQ - Terr- Important Welsh Bat Roosts Database SEWBReC</p> <p>Wales LRC Priority & Protected Species layer CCW Licence Returns Data</p> |
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| | <p>BIS</p> <p>Wales LRC Priority & Protected Species layer CCW Metal Mine Survey WWBIC</p> <p>Wales LRC Priority & Protected Species layer CCW Montgomeryshire BAP Species Files BIS</p> <p>Wales LRC Priority & Protected Species layer CCW-HQ-Terr- Important Welsh Bat Roosts Database (BATSITES-WALES) WWBIC</p> <p>Wales LRC Priority & Protected Species layer English Nature Bat Sites SEWBReC</p> <p>Wales LRC Priority & Protected Species layer Glamorgan Mammal Records SEWBReC</p> <p>Wales LRC Priority & Protected Species layer Gwent Bat Survey SEWBReC</p> <p>Wales LRC Priority & Protected Species layer Mammals Carmarthenshire WWBIC</p> <p>Wales LRC Priority & Protected Species layer Merthyr Tydfil LBAP Miscellaneous Records SEWBReC</p> <p>Wales LRC Priority & Protected Species layer Miscellaneous records BIS area - unverified BIS</p> <p>Wales LRC Priority & Protected Species layer Monmouthshire Mammal Records SEWBReC</p> <p>Wales LRC Priority & Protected Species layer Montgomeryshire VC47 Mammal records BIS</p> <p>Wales LRC Priority & Protected Species layer National Bat Monitoring Programme Data SEWBReC</p> <p>Wales LRC Priority & Protected Species layer National Trust Bat Records SEWBReC</p> <p>Wales LRC Priority & Protected Species layer Radnorshire Mammal Records BIS</p> <p>Wales LRC Priority & Protected Species layer Radnorshire mammals VC43 BIS</p> <p>Wales LRC Priority & Protected Species layer SEWBReC Casual Records SEWBReC</p> <p>Wales LRC Priority & Protected Species layer SN40 WWBIC</p> <p>Wales LRC Priority & Protected Species layer SN41 WWBIC</p> <p>Wales LRC Priority & Protected Species layer Valleys Bat Group Records SEWBReC</p> <p>Wales LRC Priority & Protected Species layer. Record exported from Cofnod Database on 27/04/2012</p> |
|--|---|

| | |
|--|---|
| 2.3 Range | |
| 2.3.1 Surface area Range | 232846.64 |
| | 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. |
| 2.3.2 Method used Surface area of Range | Estimate based on partial data with some extrapolation and/or modelling |
| | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information |
| 2.3.3 Short-term trend | 2001-2012 |

| | | |
|---|---|--|
| Period | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| 2.3.4 Short term trend Trend direction | stable | |
| | The short term trend direction was derived by comparing the range map in 1.1.5 with the range map produced in the 2007 report, 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. | |
| 2.3.5 Short-term trend Magnitude | a) Minimum | |
| Optional | | |
| | b) Maximum | |
| | | |
| 2.3.6 Long-term trend Period | | |
| Optional | | |
| 2.3.7 Long-term trend Trend direction | | |
| Optional | | |
| 2.3.8 Long-term trend Magnitude | a) Minimum | |
| Optional | | |
| | b) Maximum | |
| | | |
| 2.3.9 Favourable reference range | a) Value in km² | 226773 |
| | The FRV reported in 2007 has been updated by running the data used for reporting in 2007 through the revised UK range mapping tool. For further details see the 2013 Article 17 UK Approach document. | |
| | b) Operator for FRR | |
| | | |
| | c) FRR is unknown (indicated by "true") | False |
| | | |
| | d) Method used to set FRR | The FRV reported in 2007 has been updated by running the data used for reporting in 2007 through the revised UK range mapping tool. The value is considered to be large enough to support a viable population and no lower than the range estimate from when the Habitats |

| | | |
|--|---|---|
| | | Directive came into force in the UK. |
| | The FRV reported in 2007 has been updated by running the data used for reporting in 2007 through the revised UK range mapping tool. The value is considered to be large enough to support a viable population and no lower than the range estimate from when the Habitats Directive came into force in the UK. For further details please see the 2013 Article 17 UK Approach document. | |
| 2.3.10 Reason for change Is the difference between the reported value in 2.3.1 and the previous reporting round mainly due to... | a) Genuine change? | False |
| | There is negligible difference between the current range and the range reported in 2007. Any change is likely to be due to better data. | |
| | b) Improved knowledge/more accurate data? | True |
| | There is negligible difference between the current range and the range reported in 2007. Any change is likely to be due to better data. | |
| | c) Use of different method (e.g. "Range tool")? | False |
| | | There is negligible difference between the current range and the range reported in 2007. Any change is likely to be due to better data. |

| | | |
|--|--|--|
| 2.4 Population | | |
| 2.4.1 Population size estimation (using individuals or agreed exceptions where possible) | a) Unit | number of individuals |
| | The population unit is the same as reported in 2007. | |
| | b) Minimum | 174000 |
| | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| | c) Maximum | 174000 |
| | | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. |
| 2.4.2 Population size estimation (using population unit other than individuals) Optional (<i>if 2.4.1 filled in</i>) | a) Unit | |
| | b) Minimum | |
| | c) Maximum | |
| | | |
| 2.4.3 Additional information on population estimates / conversion Optional | a) Definition of "locality" | |
| | b) Method to convert data | |
| | | |

| | | |
|---|--|--|
| | c) Problems encountered to provide population size estimation | |
| 2.4.4 Year or period | 1995-2011 | The GB component of the population estimate was made in 1995, but monitoring until 2011 suggests the population has remained stable, so the estimate remains applicable, albeit a low reliability estimate. The NI component of the population estimate has been more recently updated. For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. |
| 2.4.5 Method used Population size | Estimate based on expert opinion with no or minimal sampling | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information |
| 2.4.6 Short-term trend Period | 1999-2011 | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information |
| 2.4.7 Short-term trend Trend direction | stable | Trend direction is based on the National Bat Monitoring Programme waterway and hibernation surveys both of which suggest the population of this species is stable. Waterway Survey smoothed index change from 1999- 2011: Min -2, Max 9. Hibernation Survey smoothed index change from 1999- 2011 Min: -10, Max: 30. |
| 2.4.8 Short-term trend Magnitude | a) Minimum | |
| Optional | b) Maximum | |
| | c) Confidence interval | |
| 2.4.9 Short-term trend Method used | Estimate based on partial data with some extrapolation and/or modelling | Trend direction is based on the National Bat Monitoring Programme waterway and hibernation surveys, both of which suggest the population of this species is stable. |
| 2.4.10 Long-term trend – Period | | |
| Optional | | |
| 2.4.11 Long-term trend | | |

| | | |
|---|--|---------------|
| Trend direction Optional | | |
| 2.4.12 Long-term trend Magnitude Optional | a) Minimum | |
| | | |
| | b) Maximum | |
| | | |
| | c) Confidence interval | |
| 2.4.13 Long term trend Method used Optional | | |
| 2.4.14 Favourable reference population | a) Number of individuals/agreed exceptions/other units | 174000 |
| | The FRV has been revised because the value reported in 2007 did not take NI into account. For further details please see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| | b) Operator | |
| | | |
| | c) FRP is unknown (indicated by "true") | False |
| | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| d) Method used to set FRP | The FRV has been revised because the value reported in 2007 did not take NI into account. This value is considered to be large enough for the population to be viable and no lower than the population estimate from when the Habitats Directive came into force in the UK. For further details please see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| The FRV has been revised because the value reported in 2007 did not take NI into account. This value is considered to be large enough for the population to be viable and no lower than the population estimate from when the Habitats Directive came into force in the UK. For further details please see the 2013 Article 17 UK Approach document and | | |

| | | |
|--|--|--------------|
| | relevant country-level reporting information. | |
| 2.4.15 Reason for change Is the difference between the value reported at 2.4.1 or 2.4.2 and the previous reporting round mainly due to: | a) Genuine change? | False |
| | The change in reported population is not thought to be genuine but as a result of better data. The population estimate is the same in GB but smaller in NI due to better data. | |
| | b) Improved knowledge/more accurate data? | True |
| | The change in reported population is not thought to be genuine but as a result of better data. The population estimate is the same in GB but smaller in NI due to better data. | |
| | c) Use of different method (e.g. "Range tool")? | False |
| The change in reported population is not thought to be genuine but as a result of better data. The population estimate is the same in GB but smaller in NI due to better data. | | |

| | | |
|--|--|--|
| 2.5 Habitat for the species | | |
| 2.5.1 Area estimation | 151371 | |
| | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. There is thought to be a sufficient amount of habitat in the UK to support a viable population of the species. | |
| 2.5.2 Year or period | 2000-2012 | |
| | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| 2.5.3 Method used Habitat for the species | Estimate based on expert opinion with no or minimal sampling | |
| | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| 2.5.4 Quality of the habitat | a) Habitat quality | Unknown |
| | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| | b) Assessment method | There is no or insufficient reliable information available to determine the quality of the habitat for this generalist species. |
| | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| 2.5.5 Short-term trend | 2001-2012 | |

| | | |
|---|--|--------------|
| Period | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| 2.5.6 Short-term trend | unknown | |
| Trend direction | For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information. | |
| 2.5.7 Long-term trend | | |
| Period | Optional | |
| 2.5.8 Long-term trend | | |
| Trend direction | Optional | |
| 2.5.9 Area of suitable habitat for the species | a) Value in km² | |
| | b) Absence of data indicated as '0' | |
| | | |
| 2.5.10 Reason for change Is the difference between the value reported at 2.5.1 and the previous reporting round mainly due to | a) Genuine change? | False |
| | Surface area of habitat was reported as unknown in 2007 so no comparison is possible. | |
| | b) Improved knowledge/more accurate data? | False |
| | Surface area of habitat was reported as unknown in 2007 so no comparison is possible. | |
| | c) Use of different method (e.g. "Range tool")? | False |
| | Surface area of habitat was reported as unknown in 2007 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 | |
| A10: Restructuring agricultural land holding | H | |
| G05: Other human intrusions and disturbances | H | |
| A02: modification of cultivation practices | M | |
| A07: use of biocides, hormones and chemicals | M | O |
| B02: Forest and Plantation | M | |

| | | |
|--|---|--------|
| management & use | | |
| D01: Roads, paths and railroads | M | |
| H01: Pollution to surface waters (limnic & terrestrial, marine & brackish) | M | ANOPTX |
| B03: forest exploitation without replanting or natural regrowth | L | |
| J02: human induced changes in hydraulic conditions | L | |
| M01: Changes in abiotic conditions | L | |
| | | |

Myotis species can be affected by artificial lighting - this pressure is covered by categories D01 and G05. For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.

2.6.1 Method used – Pressures

based only on expert judgements

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

| 2.7 Threats | | |
|--|---|-------------------------------|
| a) Threat | b) Ranking | c) Pollution qualifier |
| | H = high importance (max 5 entries) M = medium importance L = low importance | |
| A10: Restructuring agricultural land holding | H | |
| G05: Other human intrusions and disturbances | H | |
| A02: modification of cultivation practices | M | |
| A07: use of biocides, hormones and chemicals | M | O |
| B02: Forest and Plantation management & use | M | |
| D01: Roads, paths and railroads | M | |
| H01: Pollution to surface waters (limnic & terrestrial, marine & brackish) | M | ANOPTX |
| B03: forest exploitation without replanting or natural regrowth | L | |
| J02: human induced changes in | L | |

| | | |
|------------------------------------|---|--|
| hydraulic conditions | | |
| M01: Changes in abiotic conditions | L | |
| | | |

Myotis species can be affected by artificial lighting - this pressure is covered by categories D01 and G05. For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.

2.7.1 Method used – Threats**expert opinion**

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

2.8 Complementary information**2.8.1 Justification of % thresholds for trends****2.8.2 Other relevant information****2.8.3 Trans-boundary assessment****2.9 Conclusions (*assessment of conservation status at end of reporting period*)****2.9.1 Range****a) Conclusion****Favourable**

Range has been assessed as Favourable because range is greater than FRV and the short term range trend is stable.

b) Qualifier**2.9.2 Population****a) Conclusion****Favourable**

Population has been assessed as Favourable because the population is equal to the FRV, and the short term trend is stable

b) Qualifier**2.9.3 Habitat for the species****a) Conclusion****Favourable**

Habitat has been assessed as Favourable because there is thought to be sufficient amount of habitat for the species to be viable, and although quality is unknown, the fact that range and population are favourable suggests that habitat is not a major problem for this species.

b) Qualifier**2.9.4 Future prospects****a) Conclusion****Favourable**

| | | |
|--|--|--|
| | <p>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:</p> <p>Range future prospects: Good</p> <p>Population future prospects: Good</p> <p>Habitat future prospects: Unknown</p> <p>Overall future prospects: Good</p> <p>There are habitat action plans and legislation in place to relieve many of the main pressures and threats to the species.</p> | |
| | b) Qualifier | |
| | | |
| 2.9.5 Overall assessment of Conservation Status | Favourable | |
| | The overall assessment is Favourable because all parameter assessments are Favourable. | |
| 2.9.6 Overall trend in Conservation Status | | |
| | | |

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

| | | |
|--|-------------------|--|
| 3.1 Population | | |
| 3.1.1 Population size Estimation of population size included in the SAC network | a) Unit | |
| | | |
| | b) Minimum | |
| | | |
| | c) Maximum | |
| | | |
| 3.1.2 Method used | | |
| | | |
| 3.1.3 Trend of population size within the network (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 |
| | | | | | | | | | | | | | | | |