

**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

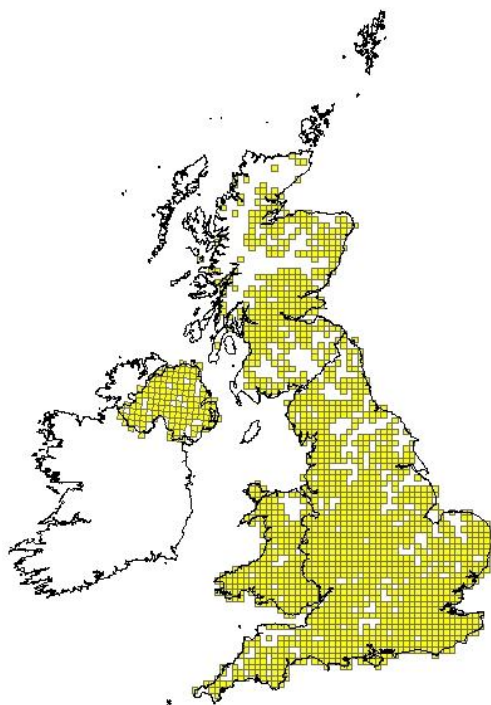
Species:

S5009 - Soprano pipistrelle (*Pipistrellus pygmaeus*)

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>	
0.2 Species	0.2.1 Species code	S5009
	0.2.2 Species scientific name	<i>Pipistrellus pygmaeus</i>
	0.2.3 Alternative species scientific name Optional	
	0.2.4 Common name Optional	

1.1 Maps			
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.		



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	1999-2012
	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.

1.1.4 Additional distribution map Optional	False
1.1.5 Range map	True The range map was produced by applying the UK range mapping 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.



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., Roche, N. and Langton, S. (2010) Irish Bat Monitoring and Recording Schemes: Annual Report 2009. Bat Conservation Ireland, www.batconservationireland.org.</p> <p>BARRATT, E.M., DEAVILLE, R., BURLAND, T.M., BRUFORD, M.W., JONES, G., RACEY, P.A., WAYNE, R.K. 1997. DNA answers the call of pipistrelle bat species. Nature (Lond.), 387:138-139.</p> <p>BAT CONSERVATION TRUST, 2012. The National Bat Monitoring Programme. Annual Report 2011. Bat Conservation Trust, London. (www.bats.org.uk)</p> <p>BATTERSBY, J (Ed.). 2005. UK Mammals: Species Status and</p>

	<p>Population Trends. JNCC/Tracking Mammals Partnership http://jncc.defra.gov.uk/page-3311 .</p> <p>BOYE, P. & DIETZ, M. 2005. Research Report No 661: Development of good practice guidelines for woodland management for bats. English Nature, Peterborough http://publications.naturalengland.org.uk/publication/65012.</p> <p>Carden R, Aughney T., Kelleher C. and Roche N. (2010). BATLAS Republic of Ireland, Report for 2008-2009. Irish Bat Monitoring Schemes. Bat Conservation Ireland. Unpublished Report.</p> <p>DAVIDSON-WATTS, I. AND JONES, G. (2006), Differences in foraging behaviour between <i>Pipistrellus pipistrellus</i> (Schreber, 1774) and <i>Pipistrellus pygmaeus</i> (Leach, 1825). <i>Journal of Zoology</i>, 268: 55-62 http://onlinelibrary.wiley.com/doi/10.1111/j.1469-7998.2005.00016.x/abstract .</p> <p>Fairley, J. (2001). A Basket of Weasels. Published by the author.</p> <p>Harris S. & Yalden D. (eds.) (2008). Mammals of the British Isles Handbook, 4th Edition. The Mammal Society, Southampton, England.</p> <p>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. JNCC, Peterborough http://jncc.defra.gov.uk/page-2759.</p> <p>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.</p> <p>Hopkirk, A., Aughney T., and Roche, N. (2010). BATLAS Northern Ireland Report for 2009. Irish Bat Monitoring Schemes. Bat Conservation Ireland. Unpublished Report.</p> <p>JONES, G & RACEY, P.A. 2008. Common pipistrelle <i>Pipistrellus pipistrellus</i>, Soprano pipistrelle <i>Pipistrellus pygmaeus</i>. Pages 343-351 In HARRIS, S & YALDEN, D.W. <i>Mammals of the British Isles: Handbook, 4th edition. The Mammal Society, Southampton.799pp.</i></p> <p>JONES, G. & BARRATT, E.M. (1999) <i>Vespertilio pipistrellus</i> Schreber, 1774 and <i>V. pygmaeus</i> Leach, 1825 (currently <i>Pipistrellus pipistrellus</i> and <i>P.pygmaeus</i>; Mammalia, Chiroptera): proposed designation of neotypes. <i>Bulletin of Zoological Nomenclature</i>, 56, 182-186.</p> <p>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.</p> <p>Marnell, F., Kingston, N. & Looney, D. (2009). Ireland Red List No. 3: Terrestrial Mammals. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government. Dublin, Ireland.</p> <p>MITCHELL-JONES, T.J. 2010. Bats in houses - the conservation challenge. Pp 365-378 in <i>Species Management: challenges and solutions for the 21st century. BAXTER, J.M. & GALBRAITH, C.A. TSO Scotland, Edinburgh.</i></p> <p>MITCHELL-JONES, T.M.J & CARLIN, C (2009). TIN051 Bats and onshore wind turbines Interim Guidance. 2nd edition, February</p>
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2012.<http://publications.naturalengland.org.uk/file/490077>
NATURAL ENGLAND. 2012. Bats and Onshore wind Turbines: Interim Guidance. Natural England Technical Information Note TIN51, Natural England, Sheffield
<http://publications.naturalengland.org.uk/publication/35010>.
NICHOLLS, B. & RACEY, P. 2006a. Habitat selection as a mechanism of resource partitioning in two cryptic bat species *Pipistrellus pipistrellus* and *Pipistrellus pygmaeus*. *Ecography*, 29, 697-708.
NICHOLLS, B. & RACEY, P. 2006b. Contrasting home-range size and spatial partitioning in cryptic and sympatric pipistrelle bats. *Behavioural Ecology and Sociobiology*, 61, 131-142.
O'Sullivan, P. (1994). Bats in Ireland. *Irish Naturalists' Journal*, 24: Special Zoological Supplement.
Richardson, P. (2000). Distribution atlas of bats in Britain and Ireland, 1980-1999. The Bat Conservation Trust, London.
Roche, N., Langton, S. & Aughney, T. (2009) The Car Based Bat Monitoring Scheme for Ireland: Synthesis Report 2003-2008. *Irish Wildlife Manuals*, No. 39. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin.
Roche, N., Langton, S. and Aughney T. (2012) Car-based bat monitoring in Ireland 2003-2011. *Irish Wildlife Manuals*, No. 60. National Parks and Wildlife Service, Department of the Arts, Heritage and the Gaeltacht, Ireland.
Roche, N., Langton, S., Aughney, T., Russ, J.M., Marnell, F., Lynn, D. & Catto, C. (2011) A car-based bat monitoring method reveals new information on bat populations and distributions in Ireland. *Animal Conservation*, 14: 642-651.
Russ, J. (2008) Review of ASSI designations for bats in Northern Ireland. Northern Ireland Environment Agency, Research and Development Series 08/09."
Russ, J.M. & Montgomery, W.I. (2002). Habitat association of bats in Northern Ireland: implications for conservation. *Biological Conservation*. 108: 49-58.
RUSS, J.M. (1999) The Microchiroptera of Northern Ireland: community composition, habitat associations and ultrasound. Unpublished PhD thesis. Queen's University, Belfast.
Russ, J.M., Briffa M. & Montgomery, W.I. (2003). Seasonal patterns in activity and habitat use by *Pipistrellus* spp. And *Nyctalus leisleri* in Northern Ireland, determined using a driving transect. *Journal of Zoology*. 259: 289-299.
SPEAKMAN, J.R. 1991. The impact of predation by birds on bat populations in the British Isles. *Mammal Review*, 21, 123-142 <http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2907.1991.tb00114.x/abstract>."
YALDEN, D.W. *Mammals of the British Isle: Handbook*, 4th Edition. The Mammal Society, Southampton. 799pp.
UK distribution map data sources

Bat colony survey data

Bat Conservation Ireland Emailed to JNCC (LH) by Kyle Hunter 17/10/2012

Bat Conservation Trust Emailed to JNCC (LH) by Kyle Hunter 17/10/2012

Bat field survey data

	<p>Bats and Mammals Road Survey 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 NBN Gateway Biological Records In Essex GA001035 Extracted 21/08/2012 Bat records for Essex from 1971 - present. NBN Gateway Bristol Regional Environmental Records Centre GA001100 Extracted 21/08/2012 BRERC JNCC May 2012 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 NBN Gateway data: extracted by LH 11/09/2012 National Trust GA001105 Extract of National Trust species database covering Article 17 species NBN Gateway Devon Biodiversity Records Centre GA000688 Extracted 21/08/2012 Devon bat roost data NBN Gateway Dorset Environmental Records Centre GA001010 Extracted 21/08/2012 Dorset Important Species 2012 for Natural England use only NBN Gateway EcoRecord GA000722 Extracted 21/08/2012 Mammal Records held by EcoRecord NBN Gateway Environmental Records Information Centre North East GA000604 Extracted 21/08/2012 ERIC North East sensitive species records NBN Gateway Greater Manchester Ecology Unit GA000546 Extracted 21/08/2012 Distribution of Bats in Greater Manchester NBN Gateway Herefordshire Biological Records Centre GA001084 Extracted 21/08/2012 Herefordshire Biological Records Centre Species Records NBN Gateway Highland Biological Recording Group GA000497 Extracted 21/08/2012 HBRG Vertebrates (not Badger) Dataset NBN Gateway Humber Environmental Data Centre GA000842 Extracted 21/08/2012 Humber Environmental Data Centre - Sensitive Records from all taxonomic groups NBN Gateway Leicestershire and Rutland Environmental Records Centre GA000647 Extracted 21/08/2012 Leicestershire Bat Records to 30/06/2009 NBN Gateway Lincolnshire Biodiversity Partnership GA000921 Extracted 21/08/2012 Lincolnshire Bats (sightings) NBN Gateway Lincolnshire Biodiversity Partnership GA000922 Extracted 21/08/2012 Lincolnshire Bats (roosts) NBN Gateway Merseyside BioBank GA000990 Extracted 21/08/2012 North Merseyside Mammals (unverified) NBN Gateway Merseyside BioBank GA000991 Extracted 21/08/2012 North Merseyside Mammals (verified) NBN Gateway National Trust GA000960 Extracted 21/08/2012 Heigham Holmes species data held by The National Trust NBN Gateway National Trust GA001105 Extracted 21/08/2012 Extract of National Trust species database covering Article 17 species 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</p>
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	<p>groups</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 Shire Group of Internal Drainage Boards GA000720 Extracted 21/08/2012 Shire Group IDB species data 2004 to present</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 GA001076 Extracted 21/08/2012 SxBRC Full dataset for Environment Agency and Natural England use only.</p> <p>NBN Gateway The Bat Conservation Trust GA000437 Extracted 21/08/2012 The BCT/MTUK Bats & Roadside Mammals 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 GA000577 Extracted 21/08/2012 Noctule, Serotine and Pipistrelle Field Survey</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 for SSSI within Worcestershire from date of notification to present</p> <p>NBN Gateway Worcestershire Biological Records Centre</p>
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	<p>GA000712 Extracted 21/08/2012 WBRC Species data for Worcestershire collated by date.</p> <p>NBN Gateway Worcestershire Biological Records Centre GA000777 Extracted 21/08/2012 WBRC Species data for Worcestershire collated by species group</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 1980 - 2000 records OR 2000 - 2006 records OR 2007 - 2012 records LRCs Wales. Sent to JNCC 17/08/2232</p> <p>Wales LRC Priority & Protected Species layer Bat records from Matt Zeale WWBIC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer exported from Cofnod Database on 27/04/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat data from Cwm Lleidi Reservoir WWBIC:SR00040700005VPH Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat data, National Trust, Ceredigion & Carmarthenshire WWBIC:SR00040700005VM3 Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records from Kite Ecology WWBIC:SR0004070000CVQL Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records from Kite Ecology WWBIC:SR0004070000CVQO Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVOQ Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVP5 Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVPB Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVPX Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVQ0 Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, Carmarthenshire, Hawkeswood Ecology WWBIC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat roosts database, Pembrokeshire WWBIC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats & Roadside Mammals Survey SEWBReC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002I4N Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002I6B Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002I9K Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002IDG Sent to JNCC</p>
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	<p>17/08/2012 Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002IE9 Sent to JNCC</p> <p>17/08/2012 Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002IEY Sent to JNCC</p> <p>17/08/2012 Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002IGV Sent to JNCC</p> <p>17/08/2012 Wales LRC Priority & Protected Species layer. Bats National Trust Dinefwr 2009 WWBIC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats National Trust Dinefwr 2009 WWBIC. Sent to JNCC 17/08/2013</p> <p>Wales LRC Priority & Protected Species layer. BIS Casual Records Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. BIS Casual records - unverified Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. BIS casual records 2009 - unconfirmed Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. BIS Casual Records Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. BIS Casual Records SEWBrE:WA00005900006H5C Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Blaenau Gwent Miscellaneous Records SEWBrE:LC0002150000LNZC Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Brecknockshire Mammals VC42 2008. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Breconshire Mammal Recorder Data. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Breconshire Mammals VC42 2009. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bridgend Miscellaneous Records SEWBrE: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Caerphilly Miscellaneous Records SEWBrE: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Carmarthenshire mammals VC44 Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW (Cardiff) Bat Casework File 2007 SEWBrE. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW (Cardiff) Bat Casework File 2007 SEWBrE: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW (Cardiff) Newport Wetlands Notebook SEWBrE: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW (Swansea) Bat Files SEWBrE: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW Ceredigion Bats WWBIC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Collins Environmental Consultancy Records SEWBrE: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Forestry Commission Wales EPS Surveys 2008. Sent to JNCC</p>
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	<p>17/08/2012 Wales LRC Priority & Protected Species layer. Glamorgan Mammal Records SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Gwent Bat Survey SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Jacobs consultancy- Misc records SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Link Ecology- Misc records SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. MapMate Data (New) SEWBreC Wales LRC Priority & Protected Species layer. Misc records in BBNP (SEWBreC)2 - South East Wales Biological Record Centre BIS Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Miscellaneous records BIS area - unverified. Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Mixed taxa ad-hoc sightings received by WWBIC in 2010 WWBIC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Monmouthshire Mammal Records SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Montgomeryshire VC47 Mammal records. Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. National Bat Monitoring Programme Data SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Neath Port Talbot Peripheral Distributor Road SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Pembrey Coast WWBIC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Preliminary Survey of St Madoc's Christian Youth Camp SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Radnorshire mammals VC43. Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. SEWBreC Casual Records SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. SoltysBrewster Records SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Torfaen Miscellaneous Reports SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. UK BAP Records from NBN Gateway SEWBreC Wales LRC Priority & Protected Species layer. UK BAP Records from NBN Gateway SEWBreC: Sent to JNCC 17/08/2012 Colony Count Survey Wales LRC Priority & Protected Species layer. Valleys Bat Group Records SEWBreC: Sent to JNCC 17/08/2012 Wales LRC Priority & Protected Species layer. Wildwood Ecology Records SEWBreC: Sent to JNCC 17/08/2012 Welsh Government Tir Gofal bat data 2009-2011. Sent to JNCC 18/10/2012</p>
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	<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 Trust Emailed to JNCC (LH) by Kyle Hunter 17/10/2012 Bat field survey data Bats and Mammals Road Survey 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 NBN Gateway Biological Records In Essex GA001035 Extracted 21/08/2012 Bat records for Essex from 1971 - present. NBN Gateway Bristol Regional Environmental Records Centre GA001100 Extracted 21/08/2012 BRERC JNCC May 2012 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 NBN Gateway data: extracted by LH 11/09/2012 National Trust GA001105 Extract of National Trust species database covering Article 17 species NBN Gateway Devon Biodiversity Records Centre GA000688 Extracted 21/08/2012 Devon bat roost data NBN Gateway Dorset Environmental Records Centre GA001010 Extracted 21/08/2012 Dorset Important Species 2012 for Natural England use only NBN Gateway EcoRecord GA000722 Extracted 21/08/2012 Mammal Records held by EcoRecord NBN Gateway Environmental Records Information Centre North East GA000604 Extracted 21/08/2012 ERIC North East sensitive species records NBN Gateway Greater Manchester Ecology Unit GA000546 Extracted 21/08/2012 Distribution of Bats in Greater Manchester NBN Gateway Herefordshire Biological Records Centre GA001084 Extracted 21/08/2012 Herefordshire Biological Records Centre Species Records NBN Gateway Highland Biological Recording Group GA000497 Extracted 21/08/2012 HBRG Vertebrates (not Badger) Dataset NBN Gateway Humber Environmental Data Centre GA000842 Extracted 21/08/2012 Humber Environmental Data Centre - Sensitive Records from all taxonomic groups NBN Gateway Leicestershire and Rutland Environmental Records Centre GA000647 Extracted 21/08/2012 Leicestershire Bat Records to 30/06/2009 NBN Gateway Lincolnshire Biodiversity Partnership GA000921 Extracted 21/08/2012 Lincolnshire Bats (sightings) NBN Gateway Lincolnshire Biodiversity Partnership GA000922 Extracted 21/08/2012 Lincolnshire Bats (roosts) NBN Gateway Merseyside BioBank GA000990 Extracted 21/08/2012 North Merseyside Mammals (unverified) NBN Gateway Merseyside BioBank GA000991 Extracted 21/08/2012 North Merseyside Mammals (verified) NBN Gateway National Trust GA000960 Extracted 21/08/2012 Heigham</p>
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	<p>Holmes 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 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 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 Shire Group of Internal Drainage Boards GA000720 Extracted 21/08/2012 Shire Group IDB species data 2004 to present</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 GA001076 Extracted 21/08/2012 SxBRC Full dataset for Environment Agency and Natural England use only.</p> <p>NBN Gateway The Bat Conservation Trust GA000437 Extracted 21/08/2012 The BCT/MTUK Bats & Roadside Mammals 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 GA000577 Extracted 21/08/2012 Noctule, Serotine and Pipistrelle Field Survey</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 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</p>
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	<p>by date.</p> <p>NBN Gateway Worcestershire Biological Records Centre GA000777 Extracted 21/08/2012 WBRC Species data for Worcestershire collated by species group</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 1980 - 2000 records OR 2000 - 2006 records OR 2007 - 2012 records LRCs Wales. Sent to JNCC 17/08/2232</p> <p>Wales LRC Priority & Protected Species layer Bat records from Matt Zeale WWBIC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer exported from Cofnod Database on 27/04/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat data from Cwm Lleidi Reservoir WWBIC:SR00040700005VPH Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat data, National Trust, Ceredigion & Carmarthenshire WWBIC:SR00040700005VM3 Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records from Kite Ecology WWBIC:SR0004070000CVQL Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records from Kite Ecology WWBIC:SR0004070000CVQO Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVOQ Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVP5 Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVPB Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVPX Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, 2011 WWBIC:SR0004070000CVQ0 Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat records, Carmarthenshire, Hawkeswood Ecology WWBIC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bat roosts database, Pembrokeshire WWBIC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats & Roadside Mammals Survey SEWBReC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002I4N Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002I6B Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002I9K Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002IDG Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002IE9 Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002IEY Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats CCW Llandeilo WWBIC:SR00042900002IGV Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats National Trust</p>
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	<p>Dinefwr 2009 WWBIC. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bats National Trust Dinefwr 2009 WWBIC. Sent to JNCC 17/08/2013</p> <p>Wales LRC Priority & Protected Species layer. BIS Casual Records Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. BIS Casual records - unverified Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. BIS casual records 2009 - unconfirmed Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. BIS Casual Records Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. BIS Casual Records SEWBRc:WA00005900006H5C Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Blaenau Gwent Miscellaneous Records SEWBRc:LC0002150000LNZC Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Brecknockshire Mammals VC42 2008. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Breconshire Mammal Recorder Data. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Breconshire Mammals VC42 2009. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Bridgend Miscellaneous Records SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Caerphilly Miscellaneous Records SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Carmarthenshire mammals VC44 Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW (Cardiff) Bat Casework File 2007 SEWBRc. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW (Cardiff) Bat Casework File 2007 SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW (Cardiff) Newport Wetlands Notebook SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW (Swansea) Bat Files SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. CCW Ceredigion Bats WWBIC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Collins Environmental Consultancy Records SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Forestry Commission Wales EPS Surveys 2008. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Glamorgan Mammal Records SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Gwent Bat Survey SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Jacobs consultancy- Misc records SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Link Ecology- Misc records SEWBRc: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. MapMate Data (New) SEWBRc</p> <p>Wales LRC Priority & Protected Species layer. Misc records in BBNP (SEWBRc)2 - South East Wales Biological Record Centre BIS Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Miscellaneous records BIS</p>
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	<p>area - unverified. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Mixed taxa ad-hoc sightings received by WWBIC in 2010 WWBIC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Monmouthshire Mammal Records SEWBReC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Montgomeryshire VC47 Mammal records. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. National Bat Monitoring Programme Data SEWBReC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Neath Port Talbot Peripheral Distributor Road SEWBReC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Pembrey Coast WWBIC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Preliminary Survey of St Madoc's Christian Youth Camp SEWBReC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Radnorshire mammals VC43. Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. SEWBReC Casual Records SEWBReC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. SoltysBrewster Records SEWBReC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Torfaen Miscellaneous Reports SEWBReC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. UK BAP Records from NBN Gateway SEWBReC</p> <p>Wales LRC Priority & Protected Species layer. UK BAP Records from NBN Gateway SEWBReC: Sent to JNCC 17/08/2012 Colony Count Survey</p> <p>Wales LRC Priority & Protected Species layer. Valleys Bat Group Records SEWBReC: Sent to JNCC 17/08/2012</p> <p>Wales LRC Priority & Protected Species layer. Wildwood Ecology Records SEWBReC: Sent to JNCC 17/08/2012</p> <p>Welsh Government Tir Gofal bat data 2009-2011. Sent to JNCC 18/10/2012</p>
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2.3 Range	
2.3.1 Surface area Range	<p>231821.7</p> <p>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.</p>
2.3.2 Method used Surface area of Range	<p>Estimate based on partial data with some extrapolation and/or modelling</p> <p>For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information</p>
2.3.3 Short-term trend Period	<p>2001-2012</p> <p>For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information</p>
2.3.4 Short term trend	stable

Trend direction	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 Optional	a) Minimum	
	b) Maximum	
2.3.6 Long-term trend Period Optional	1989-2012 For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
2.3.7 Long-term trend Trend direction Optional	unknown Pipistrellus pipistrellus (s.l) was divided into P. pipistrellus (s.s.) and P. pygmaeus in 1999, so field records prior to this cannot be assigned to either species with confidence. For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
2.3.8 Long-term trend Magnitude Optional	a) Minimum	
	b) Maximum	
2.3.9 Favourable reference range	a) Value in km²	225227
	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. For further details please see the 2013 Article 17 UK Approach document.
	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
Use of a revised UK range mapping tool had little effect on the calculation for surface area of range.		

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	774000
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information	
	c) Maximum	883000
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		2005-2012	
		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 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	
2.4.6 Short-term trend Period		1999-2011	
		The period assessed by the NBMP. 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	
		Results of the NBMP Field Survey suggest a small increase (smoothed index trend min: 8 max: 67) , but results of the NBMP colony count survey show a slight decrease (smoothed index trend min: -52 max: -26). The Field Survey is though to be a better reflection of soprano pipistrelle population changes than the colony count survey. The overall trend has been assessed as stable.	
2.4.8 Short-term trend Magnitude	Optional	a) Minimum	
		b) Maximum	
		c) Confidence interval	
2.4.9 Short-term trend Method used		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	
2.4.10 Long-term trend – Period	Optional	1989-2012	
		For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information	
2.4.11 Long-term trend Trend direction	Optional	unknown	
		For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information	

2.4.12 Long-term trend Magnitude Optional	a) Minimum	
	b) Maximum	
	c) Confidence interval	
2.4.13 Long term trend Method used Optional	Absent data	
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information	
2.4.14 Favourable reference population	a) Number of individuals/agreed exceptions/other units	774000
	The FRV has been revised because the value reported in 2007 did not take NI into account. The 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.	
	b) Operator	
	c) FRP is unknown (indicated by "true")	False
	d) Method used to set FRP	The FRV has been revised because the value reported in 2007 did not take NI into account. The 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. The 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	a) Genuine change?	False

value reported at 2.4.1 or 2.4.2 and the previous reporting round mainly due to:	The decrease in the population estimate does not represent a genuine change, but a revised estimate for the population in NI.	
	b) Improved knowledge/more accurate data?	True
	The decrease in the population estimate does not represent a genuine change, but a revised estimate for the population in NI.	
	c) Use of different method (e.g. "Range tool")?	False
	The decrease in the population estimate does not represent a genuine change, but a revised estimate for the population in NI.	

2.5 Habitat for the species	
2.5.1 Area estimation	162991 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 This species requires a matrix of different types of habitat. There is insufficient information available to be able assess quality. For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.
2.5.5 Short-term trend Period	2001-2012 For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.
2.5.6 Short-term trend Trend direction	unknown For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.
2.5.7 Long-term trend Period	1989-2012 For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.
Optional	

2.5.8 Long-term trend Trend direction Optional	unknown	
	For further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information.	
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	O
A02: modification of cultivation practices	M	
A07: use of biocides, hormones and chemicals	M	AOTX
B02: Forest and Plantation management & use	M	
D01: Roads, paths and railroads	M	
B03: forest exploitation without replanting or natural regrowth	L	
B04: use of biocides, hormones and chemicals (forestry)	L	PTX
E06: Other urbanisation, industrial and similar activities	L	

H01: Pollution to surface waters (limnic & terrestrial, marine & brackish)	L	ANP
J02: human induced changes in hydraulic conditions	L	
M01: Changes in abiotic conditions	L	

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

2.6.1 Method used – Pressures

mainly based on expert judgement and other data

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	
G05: Other human intrusions and disturbances	H	P
A07: use of biocides, hormones and chemicals	M	OTX
B02: Forest and Plantation management & use	M	
C03: Renewable abiotic energy use	M	
D01: Roads, paths and railroads	M	
A02: modification of cultivation practices	L	
B03: forest exploitation without replanting or natural regrowth	L	
B04: use of biocides, hormones and chemicals (forestry)	L	PTX
E06: Other urbanisation, industrial and similar activities	L	
H01: Pollution to surface waters (limnic & terrestrial, marine & brackish)	L	ANP

J02: human induced changes in hydraulic conditions	L	
M01: Changes in abiotic conditions	L	

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 at least equal to the FRV for population, 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 habitat quality and trend are 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: Good</p> <p>Overall future prospects: Favourable.</p> <p>This is a widespread species that utilises a range of habitats; threats are mainly related to loss of roost sites and foraging opportunities through degradation of these varied habitats. Conservation activities in the wider countryside, and the existence of a species action plan for this species are considered sufficient to mediate most of these threats over the considered timescale.</p>		
	b) Qualifier		
2.9.5 Overall assessment of Conservation Status	Favourable		
	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	a) Unit	
Estimation of population size included in the SAC network		
	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

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