

**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:

S1324 - Greater Mouse-Eared Bat (*Myotis myotis*)

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	S1324
	0.2.2 Species scientific name	<i>Myotis myotis</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
	It is only appropriate to map this species' distribution in Gibraltar because within the Atlantic Biogeographic region this species is of uncertain status and there is only one known individual in the UK.		

No map produced for the Atlantic Biogeographic Region.

1.1.2 Method used - map	Absent data
1.1.3 Year or period	
1.1.4 Additional distribution map Optional	False
1.1.5 Range map	True
	It is only appropriate to map this species' range in Gibraltar because within the Atlantic Biogeographic region this species is of uncertain status and there is only one known individual in the UK.

No map produced for the Atlantic Biogeographic Region.

2.1 Biogeographical region & marine regions	ATL
2.2 Published sources	<p>Dietz, C., von Helversen, O. & Nill, D. 2009. Bats of Britain, Europe & Northwest Africa. A & C Black, London.</p> <p>Harris, S. & Yalden, D.W. (Eds) 2008. Mammals of the British Isles: Handbook, 4th edition. The Mammal Society, Southampton.</p> <p>Hutson, A.M. in prep. Scarce migrant, vagrant and imported bats in UK and Channel Islands.</p> <p>UK Distribution Map data sources</p>

2.3 Range	
2.3.1 Surface area Range	It is not appropriate to map this species' range because this species is of uncertain status and there is only one known individual in the UK.
2.3.2 Method used Surface area of Range	
2.3.3 Short-term trend Period	
2.3.4 Short term trend Trend direction	
2.3.5 Short-term trend Magnitude Optional	a) Minimum
	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 Optional	a) Minimum	
	b) Maximum	
2.3.9 Favourable reference range	a) Value in km²	
	It is not appropriate to set a FRR because this species is of uncertain status and there is only one known individual in the UK.	
	b) Operator for FRR	
	c) FRR is unknown (indicated by "true")	False
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
	b) Improved knowledge/more accurate data?	False
	c) Use of different method (e.g. "Range tool")?	False

2.4 Population**2.4.1 Population size****a) Unit**

estimation (using individuals or agreed exceptions where possible)	This species is of uncertain status and there is only one known individual in the UK.	
	b) Minimum	
	c) Maximum	
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		
2.4.5 Method used Population size		
2.4.6 Short-term trend Period		
2.4.7 Short-term trend Trend direction		
2.4.8 Short-term trend Magnitude Optional	a) Minimum	
	b) Maximum	
	c) Confidence interval	

2.4.9 Short-term trend Method used		
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	
	It is not appropriate to set a FRP because this species is of uncertain status and there is only one known individual in the UK.	
	b) Operator	
	c) FRP is unknown (indicated by "true")	False
	d) Method used to set FRP	
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
	b) Improved knowledge/more accurate data?	False

	c) Use of different method (e.g. "Range tool")?	False

2.5 Habitat for the species		
2.5.1 Area estimation	The specific area of habitat occupied by this species in the UK is unknown. It is not appropriate to assess the habitat for this species because this species is of uncertain status and there is only one known individual in the UK.	
2.5.2 Year or period		
2.5.3 Method used Habitat for the species		
2.5.4 Quality of the habitat	a) Habitat quality	
	b) Assessment method	
2.5.5 Short-term trend Period		
2.5.6 Short-term trend Trend direction		
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
	b) Improved knowledge/more	False

	accurate data?	
	c) Use of different method (e.g. "Range tool")?	False

2.6 Main pressures

a) Pressure	b) Ranking	c) Pollution qualifier
	H = high importance (max 5 entries) M = medium importance L = low importance	

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

2.6.1 Method used – Pressures

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	

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

2.7.1 Method used – Threats

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

The species was known to breed in the UK until the 1970s, but was declared extinct in the UK in 1990. However, an individual juvenile male was found hibernating in southern England in

	<p>2002 and has been recorded since then (Bat Conservation Trust 2012). The only female found in recent years was a dying individual on the West Sussex coast.</p> <p>UK sightings suggest this species has always been restricted to the English southern counties of Dorset and Sussex. Furthermore, Harris et al. (1995) suggest it may never have been more than an occasional resident, whose colonies have become periodically established: a small hibernating population was known to persist in Dorset between 1959 and 1980 (cause of extinction was thought to be excessive disturbance); in 1984, a stray migrant was recorded in Kent; and a colony in Sussex was identified in 1969, but after the nursery colony was destroyed by an unknown event in 1979, numbers of hibernating individuals dwindled, leaving just one lone male in Sussex that failed to return after 1990 (Harris et al, 1995; Richardson, 2000; Altringham, 2003).</p> <p>The current status of this species in the UK is unknown.</p>
2.8.3 Trans-boundary assessment	

2.9 Conclusions (assessment of conservation status at end of reporting period)									
2.9.1 Range	<table border="1"> <tr> <td>a) Conclusion</td> <td></td> </tr> <tr> <td colspan="2">It is not appropriate to map this species' distribution because this species is of uncertain status and there is only one known individual in the UK.</td> </tr> <tr> <td>b) Qualifier</td> <td></td> </tr> <tr> <td colspan="2"></td> </tr> </table>	a) Conclusion		It is not appropriate to map this species' distribution because this species is of uncertain status and there is only one known individual in the UK.		b) Qualifier			
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a) Conclusion									
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	b) Qualifier	
2.9.5 Overall assessment of Conservation Status		
	It is not appropriate to assess the conservation status of this species because this species is of uncertain status and there is only one known individual in the UK.	
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	Absent data	
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	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	M = medium importance L = low importance	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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