

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	IT
0.2.1 Species code	1307
0.2.2 Species name	<b>Myotis blythii</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	N/A

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	1985-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

### 2.2 Published sources

#### Mediterranean (MED)

The present species assessment (fields 0.1-2.9) has been compiled by Daniele Paoloni, Cristiano Spilinga (Associazione Teriologica Italiana - ATIt) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (Institute for Environmental Protection and Research - ISPRA). Information, unpublished data and experts' judgments have been provided by Paolo Agnelli, Mara Calvinì, Luca Cistrone, Michele Ferretto, Danilo Russo, Dino Scaravelli, Martina Spada, Roberto Toffoli, Simone Vergari (Italian Group for bat Research).

Distribution data for the following Nature 2000 sites have been inserted by the Ministry of Environment (source: Italian Nature 2000 database): IT6020018; IT6030001; ITA030027; IT5210016; IT5210033; IT5210025; IT5210077; IT5210021; IT5210040.

Archivio Osservatorio Regionale per Biodiversità. Regione Umbria.

Bux M., Russo D. e Scillitani G. 2003. La chiroterofauna della Puglia. Hystrix, It. J. Mamm. (n. s.) supp.: 150.

Fornasari L., Bani L., De Carli E., Gori E., Farina F., Violani C. & Zava B., 1999. Dati sulla distribuzione geografica e ambientale di Chiroterri nell'Italia continentale e peninsulare. Atti I° Conv. Ital. Sui Chiroterri (1999): 63-81.

Marsico A., 1999. Contributo alla conoscenza della chiroterofauna pugliese. Dati biogeografici, fenologici e morfologici. Tesi di laurea in Zoologia dei Vertebrati, Corso di laurea in Scienze Naturali, Univ. Di Bari.

Mucedda M., Vadacca M. e Ciccicarese N. 2003. Osservazioni sui Chiroterri di alcune grotte costiere del Salento sud-orientale (Lecce). Thalassia Salentina 26: 237-240.

Capizzi et al. (2012) Progetto atlante dei Mammiferi del Lazio - Regione Lazio – ARP.

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Debernardi P., Patriarca E., Toffoli R., 2010. Monitoraggio delle colonie di chiroterri riproduttive e svernanti di particolare interesse conservazionistico note in piemonte e dati preliminari sull'attività di swarming. Stato delle conoscenze al 30 aprile 2010. CRC, Regione Piemonte - Direzione ambiente - Settore pianificazione e gestione aree naturali protette (relazione interna). Pp. 83.

Loy A., De Lisio L., Capula M., Ciucci P., Russo D., Sciarretta A., 2012. Rapporto finale - Convenzione stipulata tra la Regione Molise e la Unione Zoologica Italiana per la realizzazione dei piani di gestione dei Siti Natura 2000.n. 1393/2008. Unione Zoologica Italiana, Regione Molise.

Regione Liguria, 2008, Carta della Biodiversità, [www.ambienteinliguria.it](http://www.ambienteinliguria.it)

Scaravelli D. e Bertozzi M., 2001. Nota sui Chiroterri e micromammiferi delle gravine materane. Abstract III Conv. Ital. Di Teriologia.

Spilinga C., Russo D., Carletti S., Jiménez Grijalva M.P., Sergiacomi U., Ragni B., (in stampa). Chiroterri dell'Umbria. Distribuzione geografica ed ecologica. Regione Umbria. Università degli Studi di Perugia.

Toffoli R., 2011. I Chiroterri del Parco Naturale delle Capanne di Marcarolo. Regione Piemonte-Parco Naturale delle Capanne di Marcarolo (rapporto interno).

## 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	30200
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km <sup>2</sup> ) operator approximately equal to (≈) unknown No method Expert judgement
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

## 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
2.4.2 Population size (other than individuals)	Unit number of map 10x10 km grid cells (grids10x10) min 100 max 100
2.4.3 Additional information	Definition of locality Conversion method Problems Impossible to convert grids to individuals
2.4.4 Year or period	1985-2012
2.4.5 Method – population size	Estimate based on expert opinion with no or minimal sampling (1)

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2.4.6 Short-term trend period	2001-2012		
2.4.7 Short term trend direction	stable (0)		
2.4.8 Short-term trend magnitude	min	max	confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)		
2.4.10 Long-term trend period			
2.4.11 Long term trend direction	N/A		
2.4.12 Long-term trend magnitude	min	max	confidence interval
2.4.13 Long-term trend method	N/A		
2.4.14 Favourable reference population	number		
	operator	approximately equal to (≈)	
	unknown	No	
	method	Expert judgement	
2.4.15 Reason for change	Improved knowledge/more accurate data Use of different method		

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )			
2.5.2 Year or period			
2.5.3 Method used - habitat	Absent data (0)		
2.5.4 a) Quality of habitat	Moderate		
2.5.4 b) Quality of habitat - method	Expert based		
2.5.5 Short term trend period	2001-2012		
2.5.6 Short term trend direction	decrease (-)		
2.5.7 Long-term trend period			
2.5.8 Long term trend direction	N/A		
2.5.9 Area of suitable habitat (km <sup>2</sup> )			
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method		

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
abandonment / lack of mowing (A03.03)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
demolishment of buildings & human structures (E06.01)	medium importance (M)	N/A
reconstruction, renovation of buildings (E06.02)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	high importance (H)	N/A
speleology (G01.04.02)	high importance (H)	N/A

2.6.1 Method used – pressures	based only on expert judgements (1)
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## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
abandonment / lack of mowing (A03.03)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Roads, paths and railroads (D01)	high importance (H)	N/A
reconstruction, renovation of buildings (E06.02)	medium importance (M)	N/A

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demolishment of buildings & human structures (E06.01)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	high importance (H)	N/A
speleology (G01.04.02)	high importance (H)	N/A

2.7.1 Method used – threats expert opinion (1)

## 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 assessment Favourable (FV)  
qualifiers N/A

2.9.2. Population assessment Favourable (FV)  
qualifiers N/A

2.9.3. Habitat assessment Inadequate (U1)  
qualifiers N/A

2.9.4. Future prospects assessment Inadequate (U1)  
qualifiers N/A

2.9.5 Overall assessment of Conservation Status Inadequate (U1)

2.9.5 Overall trend in Conservation Status declining (-)

## 3. Natura 2000 coverage and conservation measures - Annex II species

### 3.1 Population

3.1.1 Population Size Unit N/A  
min max

3.1.2 Method used Absent data (0)

3.1.3 Trend of population size within N/A

### 3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Adapt forest management (3.2)	Administrative	medium importance (M)	Both	Maintain Long term
Establish protected areas/sites (6.1)	Legal	medium importance (M)	Inside	Unknown
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Unknown Not evaluated

## 2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

### Continental (CON)

The present species assessment (fields 0.1-2.9) has been compiled by Daniele Paoloni, Cristiano Spilinga (Associazione Teriologica Italiana - ATIt) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (Institute for Environmental Protection

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and Research - ISPRA). Information, unpublished data and experts' judgments have been provided by Paolo Agnelli, Mara Salvini, Luca Cistrone, Michele Ferretto, Danilo Russo, Dino Scaravelli, Martina Spada, Roberto Toffoli, Simone Vergari (Italian Group for bat Research).

Distribution data for the following Nature 2000 sites have been inserted by the Ministry of Environment (source: Italian Nature 2000 database): IT1160011, IT1120003.

Archivio Osservatorio Regionale per Biodiversità. Regione Umbria.

Archivio Stazione Teriologica Piemontese.

Banca Dati Regionale Emilia Romagna (aggiornamento al 2010).

Baratti N., Debernardi P., Patriarca E., Sindaco R., 1997. Breeding colonies of *Myotis myotis* and *Myotis blythii* in Piedmont and Aosta Valley (NW Italy): characterization and conservation. *Hystrix*. (n.s.) 9 (1-2): 61-64.

Debernardi P., Patriarca E. e Toffoli R., 2005. Il monitoraggio dello stato di conservazione dei Chiroterri in allegato II Direttiva 92/43/CEE in Piemonte e Valle d'Aosta. In: Prigioni et al. (eds.), 2005. V Congr. It. Teriologia, *Hystrix*, It. J. Mamm., (N.S.) suppl. (2005): 123.

Debernardi P., Patriarca E., Toffoli R., 2010. Monitoraggio delle colonie di chiroterri riproduttive e svernanti di particolare interesse conservazionistico note in Piemonte e dati preliminari sull'attività di swarming. Stato delle conoscenze al 30 aprile 2010. CRC, Regione Piemonte - Direzione ambiente - Settore pianificazione e gestione aree naturali protette (relazione interna). Pp. 83.

S.Te.P. (Stazione Teriologica Piemontese), 2010. Azioni di tutela delle colonie di chiroterri di grande valore conservazionistico associate a siti di pertinenza di aziende agricole. Rendicontazione delle attività realizzate (2008/2010). Relazione interna per conto Assessorato Regionale Agricoltura, Regione Piemonte.

Insubria DataBat, 2012. Data base chiroterri dell'Università degli Studi dell'Insubria aggiornato al 2012.

Spada M., Preatoni G., Tosi G., Martinoli A., 2010. Piano di monitoraggio dei Vertebrati terrestri di interesse comunitario (Direttive 79/409/CEE e 92/43/CEE) in Lombardia. Il monitoraggio dei Chiroterri. Fondazione Lombardia per l'Ambiente, Università degli Studi dell'Insubria.

Vigorita V., Cucè L., 2008. La fauna selvatica in Lombardia. Rapporto 2008 su distribuzione, abbondanza e stato di conservazione di uccelli e mammiferi. Regione Lombardia. Pp. 364.

Lapini L., Dall'Asta A., Dublo L., Spoto M., Venier E., 1996 (1995). Materiali per una teriofauna dell'Italia Nord - Orientale (Mammalia, Friuli-Venezia Giulia). *Gortania* 17: 149-248.

Dall'Asta A., 1995-1996. Atlante preliminare dei Chiroterri (Chiroptera,

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Mammalia) della Regione Friuli-Venezia Giulia - Prima Sintesi Cartografica. Tesi di Laurea in Scienze Naturali, Fac. Di Scienze MM. FF. NN. Dell'Università degli Studi di Trieste, Relatori G. A. Amirante & S. Dolce: 1-103.

Kryštufek B., Rešek Donev N., 2005. The Atlas of Slovenian Bats (Chiroptera). Scopolia, 55 (2005): 1-92.

Spilinga C., Russo D., Carletti S., Jiménez Grijalva M.P., Sergiacomi U., Ragni B., (in stampa). Chiroterri dell'Umbria. Distribuzione geografica ed ecologica. Regione Umbria. Università degli Studi di Perugia.

## 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	31700
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km <sup>2</sup> ) operator approximately equal to (≈) unkown No method Expert judgement
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

## 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
2.4.2 Population size (other than individuals)	Unit number of map 10x10 km grid cells (grids10x10) min 93 max 93
2.4.3 Additional information	Definition of locality Conversion method Problems Impossible to convert grids into individuals
2.4.4 Year or period	1985-2012
2.4.5 Method – population size	Estimate based on expert opinion with no or minimal sampling (1)
2.4.6 Short-term trend period	2001-2012
2.4.7 Short term trend direction	stable (0)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)
2.4.10 Long-term trend period	
2.4.11 Long term trend direction	N/A
2.4.12 Long-term trend magnitude	min max confidence interval
2.4.13 Long-term trend method	N/A
2.4.14 Favourable reference population	number operator approximately equal to (≈) unknown No method Expert judgement

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2.4.15 Reason for change Improved knowledge/more accurate data Use of different method

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Moderate
2.5.4 b) Quality of habitat - method	Expert based
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	decrease (-)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km <sup>2</sup> )	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
abandonment / lack of mowing (A03.03)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
demolishment of buildings & human structures (E06.01)	medium importance (M)	N/A
reconstruction, renovation of buildings (E06.02)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	high importance (H)	N/A
speleology (G01.04.02)	high importance (H)	N/A

2.6.1 Method used – pressures based only on expert judgements (1)

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
abandonment / lack of mowing (A03.03)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Roads, paths and railroads (D01)	high importance (H)	N/A
demolishment of buildings & human structures (E06.01)	medium importance (M)	N/A
reconstruction, renovation of buildings (E06.02)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	high importance (H)	N/A
speleology (G01.04.02)	high importance (H)	N/A

2.7.1 Method used – threats expert opinion (1)

## 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)



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2.9.1 Range	assessment Favourable (FV) qualifiers N/A
2.9.2. Population	assessment Favourable (FV) qualifiers N/A
2.9.3. Habitat	assessment Inadequate (U1) qualifiers N/A
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)
2.9.5 Overall trend in Conservation Status	declining (-)

## 3. Natura 2000 coverage and conservation measures - Annex II species

### 3.1 Population

3.1.1 Population Size	Unit N/A min max
3.1.2 Method used	Absent data (0)
3.1.3 Trend of population size within	N/A

### 3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Other agriculture-related measures (2.0)	Administrative	medium importance (M)	Inside	No effect Not evaluated
Other forestry-related measures (3.0)	Administrative	medium importance (M)	Inside	No effect
Other spatial measures (6.0)	Administrative	medium importance (M)	Both	Maintain Long term
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Not evaluated
Specific single species or species group management measures (7.4)	Recurrent One-off	high importance (H)	Both	Not evaluated

## 2. Biogeographical Or Marine Level

2.1 Biogeographical Region
2.2 Published sources

### Alpine (ALP)

The present species assessment (fields 0.1-2.9) has been compiled by Daniele Paoloni, Cristiano Spilinga (Associazione Teriologica Italiana - ATIt) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (Institute for Environmental Protection and Research - ISPRA). Information, unpublished data and experts' judgments have been provided by Paolo Agnelli, Mara Calvini, Luca Cistrone, Michele Ferretto, Danilo Russo, Dino Scaravelli, Martina Spada, Roberto Toffoli, Simone Vergari (Italian Group for bat Research).

Distribution data for the following Nature 2000 sites have been inserted by the Ministry of Environment (source: Italian Nature 2000 database): IT1315421,



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IT1120003

Archivio Stazione Teriologica Piemontese.

Calvini M., 2007. I Chiroteri delle Alpi Liguri; 24 pag. Provincia di Imperia, Regione Liguria.

Calvini M., 2009. I Chiroteri del SIC IT1110022 Stagno di Oulx e IT1110020 Lago di Viverone. IPLA (rapporto interno).

Calvini M., 2009. Indagine sulla chiroterofauna nel SIC "Bric Tana-Bric Mongarda", comune di Millesimo (SV).

Calvini M., 2009. Indagine chiroterologica nei seguenti SIC della provincia di Savona: IT1323201, IT1324011, IT1323112 e IT1323203 (rapporto interno).

Calvini M., 2010. Monitoraggio delle colonie di chiroteri riproduttive e svernanti di particolare interesse conservazionistico note in Liguria (rapporto interno).

Dall'Asta A., 1995-1996. Atlante preliminare dei Chiroteri (Chiroptera, Mammalia) della Regione Friuli-Venezia Giulia - Prima Sintesi Cartografica. Tesi di Laurea in Scienze Naturali, Fac. Di Scienze MM. FF. NN. Dell'Università degli Studi di Trieste, Relatori G. A. Amirante & S. Dolce: 1-103.

Debernardi P., Garzoli L., Patriarca E., 2012. Demographics, phenology and conservation of the only colony of *Myotis capaccinii* known for Liguria, Piedmont and Aosta Valley (NW Italy). In: Prigioni C., Balestrieri A., Preatoni D.G., Masseroni E. (Eds.). VIII Congr. It. Teriologia, Hystrix, It. J. Mamm., (N.S.) SUPP. 2012: 110.

Debernardi P., Patriarca E., 2007. The bats of the Lake Maggiore Piedmont shore (NW Italy). Hystrix It. J. Mamm. (n.s.) 18 (1): 39-55.

Debernardi P., Patriarca E. e Toffoli R., 2005. Il monitoraggio dello stato di conservazione dei Chiroteri in allegato II Direttiva 92/43/CEE in Piemonte e Valle d'Aosta. In: Prigioni et al. (eds.), 2005. V Congr. It. Teriologia, Hystrix, It. J. Mamm., (N.S.) suppl. (2005): 123.

Debernardi P., Patriarca E., Toffoli R., 2010. Monitoraggio delle colonie di chiroteri riproduttive e svernanti di particolare interesse conservazionistico note in Piemonte e dati preliminari sull'attività di swarming. Stato delle conoscenze al 30 aprile 2010. CRC, Regione Piemonte - Direzione ambiente - Settore pianificazione e gestione aree naturali protette (relazione interna). Pp. 83.

Lapini L., Dall'Asta A., Dublo L., Spoto M., Venier E., 1996 (1995). Materiali per una teriofauna dell'Italia Nord - Orientale (Mammalia, Friuli-Venezia Giulia). Gortania 17: 149-248.

Provincia di Trento. 2012. Rilevamenti e monitoraggi popolazioni chiroteri della provincia di Trento nel periodo 1999-2012.

Toffoli R. e Culasso P., 2010. Utilizzo autunnale di siti sotterranei da parte della chiroterofauna in Piemonte e definizione del loro ruolo ecologico (Mammali,

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Chiroptera). Riv. Piem. St. Nat., 31: 265-278.

Toffoli R., 2012. I Chirotteri del Parco Naturale Alpi Marittime e del SIC/ZPS IT1160056: presenza e misure di conservazione. Regione Piemonte-Parco Naturale Alpi Marittime (rapporto interno).

## 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	23400
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km <sup>2</sup> ) operator approximately equal to (≈) unknown No method Expert judgement
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

## 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
2.4.2 Population size (other than individuals)	Unit number of map 10x10 km grid cells (grids10x10) min 59 max 59
2.4.3 Additional information	Definition of locality Conversion method Problems Impossible to convert grids into individuals
2.4.4 Year or period	1990-2012
2.4.5 Method – population size	Estimate based on expert opinion with no or minimal sampling (1)
2.4.6 Short-term trend period	2001-2012
2.4.7 Short term trend direction	stable (0)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)
2.4.10 Long-term trend period	
2.4.11 Long term trend direction	N/A
2.4.12 Long-term trend magnitude	min max confidence interval
2.4.13 Long-term trend method	N/A
2.4.14 Favourable reference population	number operator approximately equal to (≈) unknown No method Expert judgement
2.4.15 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )
2.5.2 Year or period

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2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Moderate
2.5.4 b) Quality of habitat - method	Expert based
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	decrease (-)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km <sup>2</sup> )	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
abandonment / lack of mowing (A03.03)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
demolishment of buildings & human structures (E06.01)	high importance (H)	N/A
reconstruction, renovation of buildings (E06.02)	high importance (H)	N/A
closures of caves or galleries (G05.08)	high importance (H)	N/A
speleology (G01.04.02)	medium importance (M)	N/A

2.6.1 Method used – pressures based only on expert judgements (1)

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
abandonment / lack of mowing (A03.03)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Roads, paths and railroads (D01)	high importance (H)	N/A
demolishment of buildings & human structures (E06.01)	high importance (H)	N/A
reconstruction, renovation of buildings (E06.02)	high importance (H)	N/A
closures of caves or galleries (G05.08)	high importance (H)	N/A
speleology (G01.04.02)	medium importance (M)	N/A

2.7.1 Method used – threats expert opinion (1)

## 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	assessment Favourable (FV) qualifiers N/A
2.9.2. Population	assessment Favourable (FV) qualifiers N/A

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

2.9.3. Habitat	assessment Inadequate (U1) qualifiers N/A
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)
2.9.5 Overall trend in Conservation Status	declining (-)

## 3. Natura 2000 coverage and conservation measures - Annex II species

### 3.1 Population

3.1.1 Population Size	Unit N/A min max
3.1.2 Method used	Absent data (0)
3.1.3 Trend of population size within	N/A

### 3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Other agriculture-related measures (2.0)	Contractual	medium importance (M)	Inside	No effect
Maintaining grasslands and other open habitats (2.1)	Legal	medium importance (M)	Both	Not evaluated
Other forestry-related measures (3.0)	Contractual	medium importance (M)	Inside	No effect
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Not evaluated
Specific single species or species group management measures (7.4)	One-off	low importance (L)	Outside	Not evaluated
Other measures (8.0)	Legal One-off	high importance (H)	Both	Maintain Not evaluated