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0.1 Member State	**IT**
0.2.1 Species code	**1308**
0.2.2 Species name	**Barbastella barbastellus**
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

Mediterranean (MED)

2.2 Published sources

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 Information, unpublished data and experts' judgments have been provided by Paolo Agnelli, Mara Calvini, Luca Cistrone, Michele Ferretto, Mauro Mucedda, Danilo Russo, Dino Scaravelli,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

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Calvini M., 2007. Studio preliminare sulla chirotterofauna delle tre foreste demaniali del Parco dell'Aveto (rapporto interno).

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

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

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Linea 4. Redazione del Rapporto sullo stato di conservazione di habitat e specie.

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Regione Liguria, 2008, Carta della Biodiversità, www.ambienteinliguria.it.

Toffoli R., 2011. I Chirotteri 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 (km²)	46200	
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	1989-2012	
2.3.7 Long-term trend direction	decrease (-)	
2.3.8 Long-term trend magnitude	min	max
2.3.9 Favourable reference range	area (km²)	
	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	65	max	65
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	more than (>)	
	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 (km²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Bad
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 (km²)	
2.5.10 Reason for change	Genuine Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
removal of dead and dying trees (B02.04)	high importance (H)	N/A
forestry clearance (B02.02)	high importance (H)	N/A
recreational cave visits (G01.04.03)	medium importance (M)	N/A
speleology (G01.04.02)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	medium importance (M)	N/A
reduction or loss of specific habitat features (J03.01)	medium importance (M)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	medium importance (M)	N/A
burning down (J01.01)	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)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
removal of dead and dying trees (B02.04)	high importance (H)	N/A
forestry clearance (B02.02)	high importance (H)	N/A
recreational cave visits (G01.04.03)	medium importance (M)	N/A
speleology (G01.04.02)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	medium importance (M)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	medium importance (M)	N/A

burning down (J01.01)	medium importance (M)	N/A
reduction or loss of specific habitat features (J03.01)	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	Inadequate (U1)
	qualifiers	N/A
2.9.3. Habitat	assessment	Bad (U2)
	qualifiers	N/A
2.9.4. Future prospects	assessment	Inadequate (U1)
	qualifiers	N/A
2.9.5 Overall assessment of Conservation Status	Bad (U2)	
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
Restoring/improving forest habitats (3.1)	One-off	medium importance (M)	Inside	Enhance
Establish protected areas/sites (6.1)	Legal	high importance (H)	Inside	Long term Not evaluated
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Maintain Unknown Not evaluated
Specific single species or species group management measures (7.4)	One-off	high importance (H)	Inside	Maintain

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Continental (CON)**

2.2 Published sources

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).

Archivio Osservatorio Regionale per Biodiversità. Regione Umbria.

Archivio Stazione Teriologica Piemontese.

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Calvini M., 2007. Studio preliminare sulla chirotterofauna delle tre foreste demaniali del Parco dell'Aveto (rapporto interno).

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

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

Banca Dati Regionale Emilia Romagna (aggiornamento al 2010).

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2.3 Range

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2.3.1 Surface area - Range (km²)	32500			
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	1989-2012			
2.3.7 Long-term trend direction	decrease (-)			
2.3.8 Long-term trend magnitude	min		max	
2.3.9 Favourable reference range	area (km²)			
	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	55	max	55
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)			
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	more than (>)		
	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 (km²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Bad
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

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

2.5.9 Area of suitable habitat (km²)	
2.5.10 Reason for change	Genuine Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
removal of dead and dying trees (B02.04)	high importance (H)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
forestry clearance (B02.02)	high importance (H)	N/A
continuous urbanisation (E01.01)	medium importance (M)	N/A
recreational cave visits (G01.04.03)	medium importance (M)	N/A
speleology (G01.04.02)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	medium importance (M)	N/A
reduction or loss of specific habitat features (J03.01)	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)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
removal of dead and dying trees (B02.04)	high importance (H)	N/A
forestry clearance (B02.02)	high importance (H)	N/A
recreational cave visits (G01.04.03)	medium importance (M)	N/A
speleology (G01.04.02)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	medium importance (M)	N/A
reduction or loss of specific habitat features (J03.01)	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	Inadequate (U1)
	qualifiers	N/A
2.9.3. Habitat	assessment	Bad (U2)
	qualifiers	N/A
2.9.4. Future prospects	assessment	Inadequate (U1)
	qualifiers	N/A
2.9.5 Overall assessment of Conservation Status	Bad (U2)	

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
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
Establish protected areas/sites (6.1)	Administrative	medium importance (M)	Inside	Maintain Enhance Long term
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Not evaluated

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Alpine (ALP)**
2.2 Published sources	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): IT3120168; IT3120178; IT1202000 Archivio Stazione Teriologica Piemontese. Calvini M., 2007. I Chirotteri delle Alpi Liguri; 24 pag. Provincia di Imperia, Regione Liguria. Calvini M., 2009. I Chirotteri del SIC IT1110022 Stagno di Oulx e IT1110020 Lago di Viverone. IPLA (rapporto interno). Calvini M., 2009. Indagine sulla chirotterofauna nel SIC “Bric Tana-Bric

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2.3 Range

2.3.1 Surface area - Range (km²)	40700		
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 (km²)		
	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	77	max	77
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems	It is 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	more than (>)		
	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 (km²)	
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	stable (0)

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2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km²)	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
removal of dead and dying trees (B02.04)	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)	medium importance (M)	N/A
recreational cave visits (G01.04.03)	medium importance (M)	N/A
speleology (G01.04.02)	medium importance (M)	N/A
forestry clearance (B02.02)	high importance (H)	N/A
continuous urbanisation (E01.01)	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)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
removal of dead and dying trees (B02.04)	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)	medium importance (M)	N/A
recreational cave visits (G01.04.03)	medium importance (M)	N/A
speleology (G01.04.02)	medium importance (M)	N/A
forestry clearance (B02.02)	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	Inadequate (U1)
	qualifiers	N/A
2.9.3. Habitat	assessment	Inadequate (U1)
	qualifiers	N/A

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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
Other forestry-related measures (3.0)	Contractual	medium importance (M)	Inside	No effect
Adapt forest management (3.2)	Administrative	medium importance (M)	Inside	Not evaluated
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	medium importance (M)	Inside	Not evaluated
Other measures (8.0)	Legal Administrative	medium importance (M)	Both	Maintain