

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

0.1 Member State	HU
0.2.1 Species code	1305
0.2.2 Species name	Rhinolophus euryale
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	kereknyergű patkósdenevér

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	2007-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Pannonian (PAN)

2.2 Published sources

Boldogh, S. 2007. Kereknyergű patkósdenevér *Rhinolophus euryale* Blasius 1853. Pp. 70-71. In: Bihari, Z., Csorba, G. & Heltai, M. (szerk.): Magyarország emlőseinek atlasza. Kossuth Kiadó, Budapest.

Boldogh, S. 2007. A kereknyergű patkósdenevér (*Rhinolophus euryale* Blasius, 1853) állománya és természetvédelmi helyzete Észak-Magyarországon. - In: Molnár, V. (ed.): Az V. Magyar Denevérvédelmi Konferencia (Pécs, 2005. december 3-4.) és a VI. Magyar Denevérvédelmi Konferencia (Mártély, 2007. október 12-14.) kiadványa, CSEMETE Egyesület, Szeged, pp. 32-39.

Boldogh, S. & Estók, P. (eds.) 2007. Földalatti denevérszállások katasztere I. Aggteleki Nemzeti Park Igazgatóság, Jósvalfő, 340 pp.

Paulovics, P. & Juhász, M. 2008. Egy lehetséges módszer a kereknyergű patkósdenevér (*Rhinolophus euryale* BLASIUS, 1853) dunántúli maradványállományának megmentésére: megerősítés áttelepítéssel (protokoll tervezet). Denevérkutatás - Hungarian Bat Research News. 4: 18-37.

Juhász, M., Paulovics, P. & Boldogh, S. 2009. A kereknyergű patkósdenevér *Rhinolophus euryale* BLASIUS, 1853 áttelepítési programjának első eredményei. In: Görföl, T., Estók, P. & Molnár, V. (eds.): A VII. Magyar Denevérvédelmi Konferencia (Felsőtárkány, 2009. október 16-18.) kiadványa, BEKE & MDBK, Eger, pp. 23-29.

Uhrin, M., Boldogh, S., Bücs, Sz., Paunovic, M., Miková, E., Juhász, M., Csósz, I., Estók, P., Fulín, M., Gombkötő, P., Jére, Cs., Barti, L., Karapandza, B., Matis, S., Nagy, Z. L., Szodoray-Parádi, F., Benda, P. 2013. Revision of the occurrence of *Rhinolophus euryale* in the Carpathian region, Central Europe. *Vespertilio*. 16: 289-328.

2.3 Range

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2.3.1 Surface area - Range (km ²)	7069
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	increase (+)
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 ²) operator approximately equal to (≈) unknown No method
2.3.10 Reason for change	Genuine Improved knowledge/more accurate data Use of different method

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit number of individuals (i) min 4000 max 6000
2.4.2 Population size (other than individuals)	Unit N/A min max
2.4.3 Additional information	Definition of locality Conversion method Problems
2.4.4 Year or period	2007-2012
2.4.5 Method – population size	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.6 Short-term trend period	2001-2012
2.4.7 Short term trend direction	increase (+)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)
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
2.4.15 Reason for change	Genuine Improved knowledge/more accurate data

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	2071
2.5.2 Year or period	2006
2.5.3 Method used - habitat	Estimate based on partial data with some extrapolation and/or modelling (2)
2.5.4 a) Quality of habitat	Moderate
2.5.4 b) Quality of habitat - method	A barlangi búvóhelyeken az emberi zavarás veszélyeztető tényezőként jelenik meg, illetve a faj az utóbbi években épületpadlásokon is megjelent, mely a jelentős emberi jelenlét miatt sérülékeny élőhelynek minősül.
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	increase (+)

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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 (km ²)	2071
2.5.10 Reason for change	

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
forestry clearance (B02.02)	high importance (H)	N/A
speleology (G01.04.02)	high importance (H)	N/A

2.6.1 Method used – pressures mainly based on expert judgement and other data (2)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
forestry clearance (B02.02)	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 Favourable (FV)
qualifiers N/A

2.9.4. Future prospects assessment Favourable (FV)
qualifiers N/A

2.9.5 Overall assessment of Conservation Status Favourable (FV)

2.9.5 Overall trend in Conservation Status N/A

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

3.1 Population

3.1.1 Population Size Unit number of individuals (i)
min 3600 max 5400

3.1.2 Method used Estimate based on expert opinion with no or minimal sampling (1)

3.1.3 Trend of population size within N/A

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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 species management measures (7.0)	Recurrent One-off	high importance (H)	Both	Maintain Enhance Long term
Specific single species or species group management measures (7.4)	One-off	high importance (H)	Inside	Enhance Long term

