

REPORT ON THE 'MAIN RESULTS OF THE SURVEILLANCE UNDER ARTICLE 17' FOR ANNEX II, IV AND V SPECIES OF DIRECTIVE 92/43/EEC

NATIONAL LEVEL

1. GENERAL INFORMATION

1.1 Member State	HU
1.2 Species code	1310
1.3 Species scientific name	<i>Miniopterus schreibersii</i>
1.4 Alternative species scientific name (Optional)	
1.5 Common name (Optional)	hosszúsárnyú denevér

2. MAPS

Distribution of the species within the Member State concerned.

2.1 Sensitive species	No
2.2 Year or period	2019–2024
2.3 Distribution map	Yes
2.4 Distribution map Method used	Complete survey or a statistically robust estimate
2.5 Additional maps (Optional)	–
2.6 Additional information (Optional)	–

3. INFORMATION RELATED TO ANNEX V SPECIES (ART. 14 OF DIRECTIVE 92/43/EEC)

3.1 Is the species taken in the wild/exploited?	No	
3.2 Are measures needed for the species (only for species in favourable conservation status)?	No	
3.3 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	–
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	–
	c) regulation of the periods and/or methods of taking specimens	–

	d) application of hunting and fishing rules which take account of the conservation of such populations	–					
	e) establishment of a system of licences for taking specimens or of quotas	–					
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	–					
	g) breeding in captivity of animal species as well as artificial propagation of plant species	–					
	h) other measures, if yes, describe	–					
3.4 Hunting bag or quantity taken in the wild regardless of conservation status - for Mammals and Acipenseridae (Fish)	a) Unit	–					
	b) Statistics/ quantity taken	<i>Provide statistics/quantity taken per hunting season or per year (where season is not used) over the reporting period</i>					
		Season/ year 1	Season/ year 2	Season/ year 3	Season/ year 4	Season/ year 5	Season/ year 6
	Min. (raw, i.e. not rounded)						
	Max. (raw, i.e. not rounded)						
	Unknown	–	–	–	–	–	–
3.5 Hunting bag or quantity taken in the wild Method used	–						
3.6 Additional information (Optional)	–						

BIOGEOGRAPHICAL LEVEL

Complete for each biogeographical region or marine region concerned.

4. BIOGEOGRAPHICAL AND MARINE REGIONS

4.1 Biogeographical or marine region where the species occurs	Pannonian
4.2 First time reporting	No
4.3 Additional information	–

4.4 Sources of information	<p>BOLDOGH S.A.; ESTÓK P.; HEGYI Z.; DOBROSI D.; GÖRFÖL T.; BIHARI Z.; DOMBI I.; GOMBKÖTŐ P.; PAULOVICS P.; MÉSZÁROS J.; MÁTÉ B.; BERECHY A.; SZATYOR M.; GÉCZI I. 2019. “Hogy vagytok denevérek?” – Az országos monitoring program első 15 évének néhány eredménye. Pp. 97-122. In: Váczi, O.; Varga, I. & Bakó, B. (szerk.): A Nemzeti Biodiverzitás-monitorozó Rendszer eredményei II. – Gerinces állatok. Körös-Maros Nemzeti Park Igazgatóság, Szarvas. BOLDOGH S.A. 2023: A Nemzeti Biodiverzitás-monitorozó Rendszer (NBmR) Denevérmonitorozó Programjának országos koordinációja, az eredmények értékelése (2023). Duna-Ipoly Nemzeti Park Igazgatóság, Budapest. 22 pp. (szakmai jelentés) BOLDOGH S.A. 2024: A Nemzeti Biodiverzitás-monitorozó Rendszer (NBmR) Denevérmonitorozó Programjának országos koordinációja, az eredmények értékelése (2024). Duna-Ipoly Nemzeti Park Igazgatóság, Budapest. 24 pp. (kézirat) Kemenesi G., Kurucz K., Dallos B., Zana B., Földes F., Boldogh S. A., Görföl T., Carroll M. W. & Jakab F. 2018: Re-emergence of Lloviu filovirus in <i>Miniopterus schreibersii</i> bats, Hungary, 2016. – <i>Emerging Microbes & Infections</i> 67: 6. DOI: 10.1038/s41426-018-0067-4 (https://www.tandfonline.com/doi/full/10.1038/s41426-018-0067-4) ANPI, BNPI, DINPI és DDNPI 2019. és 2024. közötti NBmR-jelentései.</p>
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5. RANGE

Range within the biogeographical/marine region concerned.

5.1 Surface area (km ²)	8975
5.2 Change and reason for change in surface area of range and main reason	Is there a change between reporting periods? no, there is no change
	The change is mainly due to:
5.3 Short-term trend Period	2013–2024
5.4 Short-term trend Direction	uncertain
5.5 Short-term trend Magnitude (Optional)	a) Estimated Minimum –
	b) Estimated Maximum –
	c) Pre-defined range –
	d) Unknown –
5.6. Short-term trend Magnitude Type of estimate (Optional)	–
5.7 Short-term trend Method used	Complete survey or a statistically robust estimate
5.8 Long-term trend Period (Optional)	–
5.9 Long-term trend Direction (Optional)	–

5.10 Long-term trend Magnitude (Optional)	a) Minimum	–
	b) Maximum	–
5.11 Long-term trend Method used (Optional)	–	
5.12 Favourable reference range	a) –	
	b) <i>if a precise favourable reference range is unknown indicate if the range is:</i> between 2% and 10% smaller than the FRR	
	c) –	
	d) <i>Indicate method used to set reference value (multiple methods can be chosen)</i>	<i>Indicate the quality of information available:</i>
	Reference-based approach	Moderate
5.13 Range when Directive came into force (Optional)	–	
5.14 Additional information (Optional)	–	

6. POPULATION

Population within the biogeographical/marine region concerned.

6.1 Year or period	2019–2024	
6.2 Population size (in reporting unit)	a) Unit	number of individuals
	b) Minimum	8000
	c) Maximum	15000
	d) Best single value	–
	e) Class	
6.3 Type of estimate	Best estimate	
6.4 Quality of extrapolation to reporting unit (Optional)	–	
6.5 Additional population size (using population unit other than reporting unit) (Optional)	a) Unit	–
	b) Minimum	–
	c) Maximum	–
	d) Best single value	–
6.6 Type of estimate (Optional)	–	
6.7 Population size Method used	Complete survey or a statistically robust estimate	
6.8 Change and reason for change in population size and main reason	Is there a change between reporting periods? yes, due to improved knowledge/more accurate data	

	The change is mainly due to: improved knowledge or more accurate data	
6.9 Short-term trend Period	2013–2024	
6.10 Short-term trend Direction	stable	
6.11 Short-term trend Magnitude	a) Estimated Minimum	–
	b) Estimated Maximum	–
	c) Pre-defined range	0 – 12%
	d) Unknown	–
6.12 Short-term trend Magnitude Type of estimate	Best estimate	
6.13 Short-term trend Method used	Complete survey or a statistically robust estimate	
6.14 Long-term trend Period (Optional)	–	
6.15 Long-term trend Direction (Optional)	–	
6.16 Long-term trend Magnitude (Optional)	a) Minimum	–
	b) Maximum	–
	c) Confidence interval	–
6.17 Long-term trend Method used (Optional)	–	
6.18 Favourable reference population	<i>a) Population size (with unit):</i>	
	<i>b) if a precise favourable reference population is unknown indicate if the population is: between 5% and 25% smaller than the FRP</i>	
	<i>c) Indicate if favourable reference population is unknown:</i> –	
	<i>d) Indicate method used to set reference value (multiple methods can be chosen)</i>	<i>Indicate the quality of information available:</i>
	Reference-based approach	High
Expert opinion		

6.19 Population size when Directive came into force (Optional)	–
6.20 Additional Information (Optional)	

7. HABITAT FOR THE SPECIES

7.1 Sufficiency of area and quality of occupied habitat	<p>a) Is area of occupied habitat sufficient (for long-term survival)? Yes</p> <p>b) Is quality of occupied habitat sufficient (for long-term survival)? No</p> <p>c) If NO to a) is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)? –</p>	
7.2 Sufficiency of area and quality of occupied habitat Method used	<p>Area of habitat: Complete survey or a statistically robust estimate</p>	<p>Quality of habitat: Based mainly on extrapolation from a limited amount of data</p>
7.3 Short-term trend Period	2013–2024	
7.4 Short-term trend Direction	stable	
7.5 Short-term trend Method used	Complete survey or a statistically robust estimate	
7.6 Long-term trend Period (Optional)	–	
7.7 Long-term trend Direction (Optional)	–	
7.8 Long-term trend Method used (Optional)	–	
7.9 Additional information (Optional)	–	

8. MAIN PRESSURES AND THREATS

8.1 Characterisation of pressures

Pressure	Timing	Scope (proportion of population affected)	Influence (on population or habitat of the species)	Invasive alien species of Union concern	Other invasive alien species
PA04 Agriculture - Removal of small landscape features for agricultural land parcel consolidation	ongoing and likely to be in the future	minority <50%	Low influence		
PA14 Agriculture - Use of plant protection chemicals	ongoing and likely to be in the future	majority 50 – 90%	High influence		

PB07 Forestry - Removal of dead and dying trees (incl. debris)	ongoing and likely to be in the future	majority 50 – 90%	High influence		
PC01 Extraction - Extraction of minerals	ongoing and likely to be in the future	minority <50%	Medium influence		
PC13 Extraction - Mining and extraction activities not referred to above	ongoing and likely to be in the future	minority <50%	Medium influence		
PE01 Transport - Roads, paths, railroads and related infrastructure	ongoing and likely to be in the future	minority <50%	Low influence		
PF03 Infrastructure - Creation of development of sports, tourism and leisure infrastructure	ongoing and likely to be in the future	minority <50%	Low influence		
PF05 Infrastructure - Sports, tourism and leisure activities	ongoing and likely to be in the future	minority <50%	Medium influence		
PF12 Infrastructure - Residential, commercial and industrial activities and structures generating noise, light, heat or other forms of pollution	ongoing and likely to be in the future	minority <50%	Medium influence		
PH04 Safety - Vandalism or arson (incl. Human-introduced wild fire)	ongoing and likely to be in the future	minority <50%	Low influence		
PH06 Safety - Closure of restricted access to site/habitat	ongoing and likely to be in the future	minority <50%	Medium influence		
PJ01 Climate change - Temperature changes and extremes	ongoing and likely to be in the future	minority <50%	Low influence		
PJ11 Climate change - Desynchronisation of biological/ecological processes	ongoing and likely to be in the future	whole >90%	Medium influence		
PJ12 Climate change - Decline or extinction of related species	ongoing and likely to be in the future	whole >90%	Medium influence		
8.2 Methods used (Optional)	—				
8.3 Sources of information (Optional)	—				

8.4 Additional information (Optional)	–
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9. CONSERVATION MEASURES

9.1 Status of measures	<p>Are measures needed?</p> <p>Yes</p> <p>Status of measures:</p> <p>Part of measures identified have been taken</p>
9.2 Scope of measures taken	50–90%
9.3 Main purpose of the measures taken	<p>A. Indicate the main purpose(s) of measures taken:</p> <p>Maintain the current range, population and/or habitat for the species Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population')</p> <p>Restore the habitat of the species (related to 'Habitat for the species')</p> <p>B. The main (primary) purpose:</p> <p>Maintain current state</p>
9.4 Location of the measures taken	Only inside Natura 2000
9.5 Response to the measures <i>(when the measures start to neutralize the pressure(s) and produce positive effects)</i>	Medium-term response (within the next two reporting periods, 2025–2036)
9.6 List of main conservation measures	<p>MA01 – Prevent conversion of natural and semi-natural habitats, and habitats of species into agricultural land</p> <p>MA03 – Maintain existing extensive agricultural practices and agricultural landscape features</p> <p>MA07 – Restoration of Annex I agricultural habitats (incl. re-establish and improve)</p> <p>MB03 – Reinstate forest management and exploitation practices</p> <p>MB04 – Adapt/manage reforestation and forest regeneration</p> <p>MB05 – Adapt/change forest management and exploitation practices</p> <p>MB06 – Stop forest management and exploitation practices</p> <p>MB07 – Measures to combat illegal logging</p> <p>MF03 – Reduce impact of outdoor sports, leisure and recreational activities (incl. restoration of habitats)</p> <p>MF07 – Reduce/eliminate pollution (incl. noise, light, heat, soil pollution) from industrial, commercial, residential and recreational areas and activities</p> <p>MF10 – Other measures related to residential, commercial, industrial and recreational infrastructures, operations and activities</p> <p>MH03 – Reduce impact of other specific human activities</p> <p>MS03 – Restoration of habitat of species from the directives</p>
9.7 Additional information (Optional)	–

10. FUTURE PROSPECTS

10.1 Future prospects of parameters	a) Range	Poor
	b) Population	Poor
	c) Habitat of the species	Poor
10.2 Additional information (Optional)	–	

11. CONCLUSIONS

Assessment of conservation status at end of reporting period

11.1 Range	Inadequate (U1)	
11.2 Population	Inadequate (U1)	
11.3 Habitat for the species	Inadequate (U1)	
11.4 Future prospects	Inadequate (U1)	
11.5 Overall assessment of Conservation Status	Inadequate (U1)	
11.6 Overall trend in Conservation Status	stable	
11.7 Change and reasons for change in conservation status and conservation status trend	Overall assessment of conservation status (11.5)	
	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change.</i>	no, there is no difference
	<i>The change is mainly due to:</i>	
	Overall trend in conservation status (11.6)	
	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change.</i>	no, there is no difference
	<i>The change is mainly due to:</i>	
11.8 Additional information (Optional)	–	

12. NATURA 2000 (PROPOSED SITES OF COMMUNITY IMPORTANCE (PSCIs), SITES OF COMMUNITY IMPORTANCE (SCIs) AND SPECIAL AREAS OF CONSERVATION (SACs) COVERAGE FOR ANNEX II SPECIES OF DIRECTIVE 92/43/EEC

12.1 Population size inside the pSCIs, SCIs and SACs network (on the	a) Unit	number of individuals
	b) Minimum	6000

biogeographical/marine level including all sites where the species is present)	c) Maximum	12000
	d) Best single value	–
12.2 Type of estimate	Best estimate	
12.3 Additional population size (using population unit other than reporting unit in field 6.2) (Optional)	a) Unit	–
	b) Minimum	–
	c) Maximum	–
	d) Best single value	–
12.4 Type of estimate (Optional)	–	
12.5 Population size inside the network Method used	Complete survey or a statistically robust estimate	
12.6 Short-term trend of population size within the network Direction	stable	
12.7 Short-term trend of population size within the network Method used	Complete survey or a statistically robust estimate	
12.8 Short-term trend of habitat for the species within the network Direction	stable	
12.9 Short-term trend of habitat for the species within the network Method used	Complete survey or a statistically robust estimate	
12.10 Additional information (Optional)	–	

13. COMPLEMENTARY INFORMATION

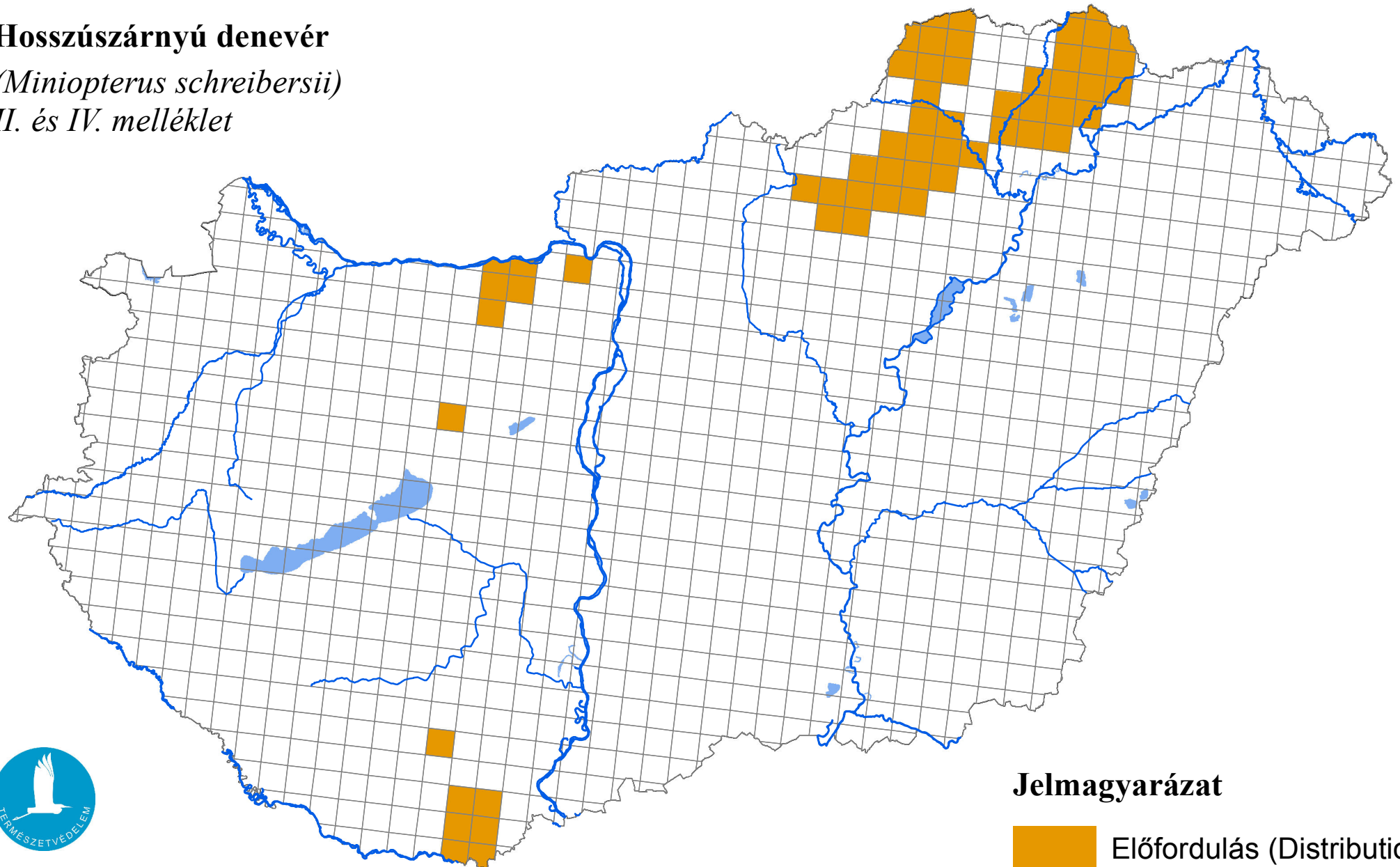
13.1 Justification of % thresholds for trends	–
13.2 Trans-boundary assessment	–
13.3 Other relevant information	–

Az élőhelyvédelmi irányelv 17. cikke szerinti országjelentés, 2025

Hosszúszárnyú denevér

(*Miniopterus schreibersii*)

II. és IV. melléklet



Forrás: Agrárminisztérium,
Természetmegőrzési Főosztály

Jelmagyarázat

 Előfordulás (Distribution)

0 25 50 Kilometers
