

# 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	6091
1.3 Species scientific name	<i>Zamenis longissimus</i>
1.4 Alternative species scientific name (Optional)	
1.5 Common name (Optional)	erdei sikló

### 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	Based mainly on extrapolation from a limited amount of data
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	Harmos, K. és Magos, G. (2021): Bombina. Kétéltűek és hüllők védelme a Mátrában. – Bükk Nemzeti Park Igazgatóság, Eger, 200 pp. A Nemzeti Biodiverzitás-Monitorozó Rendszer Keretében 2019-2024 Között Végzett Felmérések Kutatási Jelentései __ (Monitoring Reports (2019-2014) Of Hungarian Biodiversity Monitoring System) <a href="https://herpterkep.mme.hu/">https://herpterkep.mme.hu/</a>

### 5. RANGE

*Range within the biogeographical/marine region concerned.*

5.1 Surface area (km <sup>2</sup> )	47774
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5.2 Change and reason for change in surface area of range 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	
5.3 Short-term trend Period	2013–2024	
5.4 Short-term trend Direction	stable	
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	Based mainly on expert opinion with very limited data	
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> approximately equal to the favourable reference range (less than 2% smaller)	
	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
	Expert opinion	
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	–
	b) Minimum	–
	c) Maximum	–
	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	number of map 1x1 km grid cells
	b) Minimum	–
	c) Maximum	–
	d) Best single value	1238
6.6 Type of estimate (Optional)	Best estimate	
6.7 Population size Method used	Based mainly on extrapolation from a limited amount of data	
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	uncertain	
6.11 Short-term trend Magnitude	a) Estimated Minimum	–
	b) Estimated Maximum	–
	c) Pre-defined range	–
	d) Unknown	Unknown
6.12 Short-term trend Magnitude Type of estimate	Best estimate	
6.13 Short-term trend Method used	Based mainly on expert opinion with very limited data	
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	a) <i>Population size (with unit):</i>	
	b) <i>if a precise favourable reference population is unknown indicate if the population is:</i> –	
	c) <i>Indicate if favourable reference population is unknown:</i> Unknown	
	d) <i>Indicate method used to set reference value (multiple methods can be chosen)</i>	<i>Indicate the quality of information available:</i>
	Expert opinion	
6.19 Population size when Directive came into force (Optional)	–	
6.20 Additional Information (Optional)	Monitoring methods implemented in Hungary do not make it possible to provide population estimates in individuals for this species. Nor is it scientifically justifiably possible to convert monitoring results into national population estimates in individuals, due to the large variation in abundance, both spatially and temporally, of the various subpopulations.	

## 7. HABITAT FOR THE SPECIES

7.1 Sufficiency of area and quality of occupied habitat	a) Is area of occupied habitat sufficient (for long-term survival)? Yes	
	b) Is quality of occupied habitat sufficient (for long-term survival)? Unknown	
	c) If NO to a) is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)? –	
7.2 Sufficiency of area and quality of occupied habitat Method used	Area of habitat: Based mainly on expert opinion with very limited data	Quality of habitat: Insufficient or no data available

7.3 Short-term trend Period	2013–2024
7.4 Short-term trend Direction	decreasing
7.5 Short-term trend Method used	Based mainly on expert opinion with very limited data
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
<b>PI01</b> Problematic species - Invasive alien species of Union concern	ongoing and likely to be in the future	minority <50%	Medium influence	<i>Ailanthus altissima</i> <i>Asclepias syriaca</i>	
<b>PI02</b> Problematic species - Other invasive alien species (other than species of Union concern)	ongoing and likely to be in the future	majority 50 – 90%	Medium influence		<i>Fallopia x bohemica</i> <i>Robinia pseudoacacia</i> <i>Solidago canadensis</i> <i>Solidago gigantea</i>
<b>PA01</b> Agriculture - Conversion into agricultural land	ongoing and likely to be in the future	minority <50%	Medium influence		
<b>PA02</b> Agriculture - Conversion from one type of agricultural land use to another	ongoing and likely to be in the future	minority <50%	Medium influence		
<b>PA04</b> Agriculture - Removal of small landscape features for agricultural land parcel consolidation	ongoing and likely to be in the future	minority <50%	Medium influence		
<b>PA14</b> Agriculture - Use of plant protection chemicals	ongoing and likely to be in the future	minority <50%	Medium influence		
<b>PB01</b> Forestry - Conversion to forest from other land uses, or afforestation	ongoing and likely to be in the future	minority <50%	Low influence		

<b>PB02</b> Forestry - Conversion from one type of forestry land use to another	ongoing and likely to be in the future	minority <50%	Medium influence		
<b>PB06</b> Forestry - Logging or thinning (excl. clear cutting)	ongoing and likely to be in the future	majority 50 – 90%	Medium influence		
<b>PB07</b> Forestry - Removal of dead and dying trees (incl. debris)	ongoing and likely to be in the future	minority <50%	Low influence		
<b>PB09</b> Forestry - Clear-cutting, removal of all trees	ongoing and likely to be in the future	minority <50%	Medium influence		
<b>PB15</b> Forestry - Wood transport	ongoing and likely to be in the future	minority <50%	Low influence		
<b>PE01</b> Transport - Roads, paths, railroads and related infrastructure	ongoing and likely to be in the future	majority 50 – 90%	Medium influence		
<b>PF01</b> Infrastructure - Conversion from other land uses to built-up areas	ongoing and likely to be in the future	minority <50%	High influence		
<b>PF03</b> Infrastructure - Creation of development of sports, tourism and leisure infrastructure	ongoing and likely to be in the future	minority <50%	Medium influence		
<b>PF05</b> Infrastructure - Sports, tourism and leisure activities	ongoing and likely to be in the future	majority 50 – 90%	Medium influence		
<b>PG11</b> Species exploitation - Illegal shooting/killing	ongoing and likely to be in the future	minority <50%	Low influence		
<b>PI03</b> Problematic species - Problematic native species	ongoing and likely to be in the future	majority 50 – 90%	Low influence		
<b>PI04</b> Problematic species - Plant and animal diseases, pathogens and pests	only in future	–	–		
<b>PJ01</b> Climate change - Temperature changes and extremes	ongoing and likely to be in the future	whole >90%	Low influence		
8.2 Methods used (Optional)	–				
8.3 Sources of information (Optional)	–				
8.4 Additional information (Optional)	–				

## 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%
9.3 Main purpose of the measures taken	<p>A. Indicate the main purpose(s) of measures taken:</p> <p>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>Restore habitat</p>
9.4 Location of the measures taken	Both inside and outside 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>MA02 – Restore small landscape features on agricultural land</p> <p>MA09 – Manage the use of natural and synthetic fertilisers as well as chemicals in agricultural for plant and animal production</p> <p>MB01 – Prevent conversion of (semi-) natural habitats into forests and of (semi-) natural forests into intensive forest plantation</p> <p>MB05 – Adapt/change forest management and exploitation practices</p> <p>ME01 – Reduce impact of transport operation and infrastructure</p> <p>MF01 – Managing the impacts of converting land for construction and development of infrastructure</p> <p>MF03 – Reduce impact of outdoor sports, leisure and recreational activities (incl. restoration of habitats)</p> <p>MG04 – Control/eradication of illegal killing, fishing and harvesting of wild plants, fungi and animals</p> <p>MI01 – Early detection and rapid eradication of invasive alien species of Union concern</p> <p>MI02 – Management, control or eradication of established invasive alien species of Union concern</p> <p>MI03 – Management, control or eradication of other invasive alien species</p> <p>MI04 – Restoration of habitats affected by invasive alien species (incl. of Union concern and others)</p> <p>MI05 – Management of problematic native species</p> <p>MI06 – Controlling and eradicating plant and animal diseases, pathogens and pests</p> <p>MJ02 – Implement climate change adaptation measures</p>

9.7 Additional information (Optional)	–
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## 10. FUTURE PROSPECTS

10.1 Future prospects of parameters	a) Range	Good
	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	Favourable (FV)	
11.2 Population	Unknown (XX)	
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	deteriorating	
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>	yes, due to genuine change
	<i>The change is mainly due to:</i>	genuine change
	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>	yes, due to genuine change
	<i>The change is mainly due to:</i>	genuine change
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**

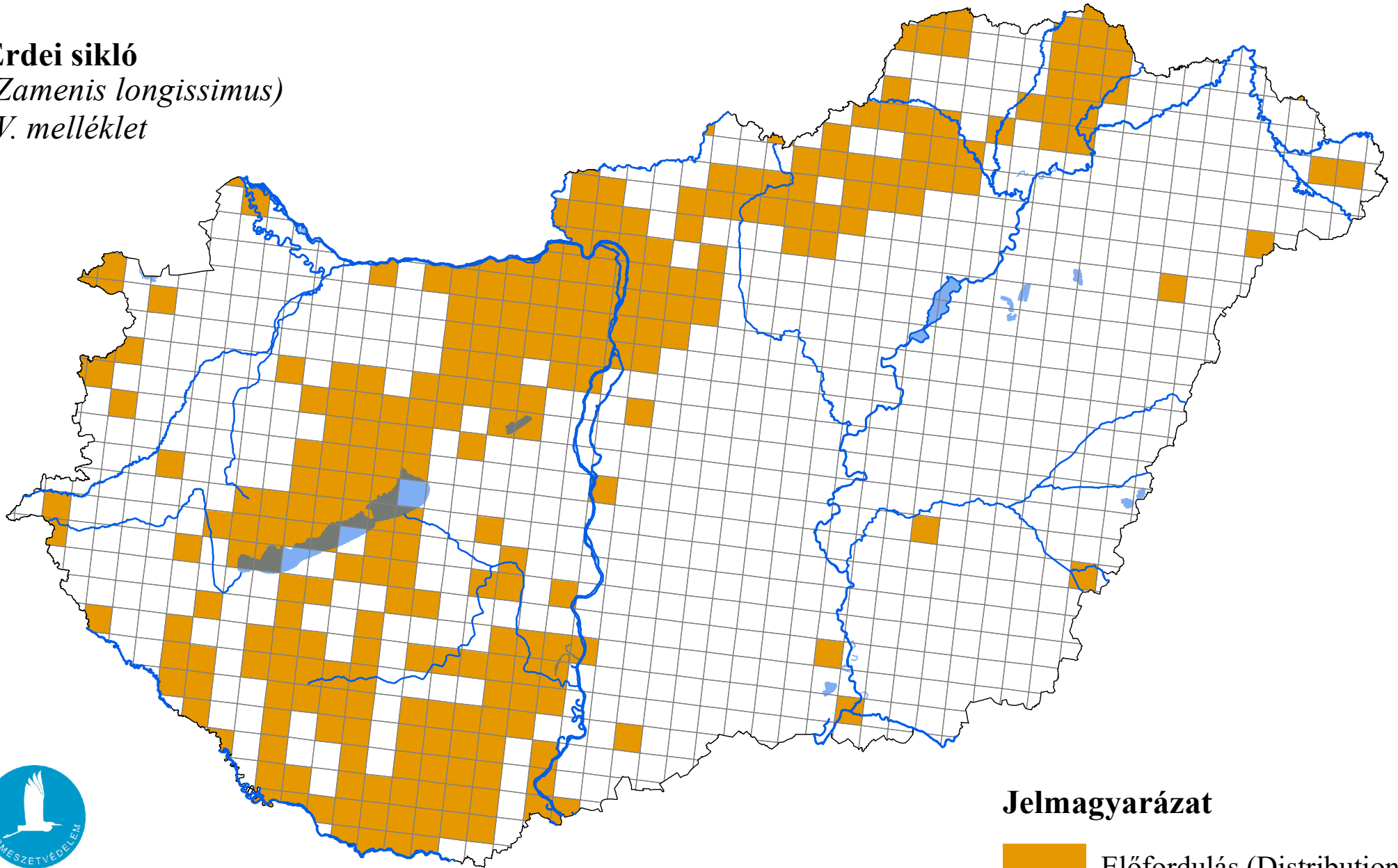
12.1 Population size inside the pSCIs, SCIs and SACs network (on the biogeographical/marine level including all sites where the species is present)	a) Unit	–
	b) Minimum	–
	c) Maximum	–
	d) Best single value	–
12.2 Type of estimate	–	
12.3 Additional population size (using population unit other than 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	–	
12.6 Short-term trend of population size within the network Direction	–	
12.7 Short-term trend of population size within the network Method used	–	
12.8 Short-term trend of habitat for the species within the network Direction	–	
12.9 Short-term trend of habitat for the species within the network Method used	–	
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 alapján készített országjelentés, 2025

**Erdei sikló**  
(*Zamenis longissimus*)  
IV. melléklet



Forrás: Agrárminisztérium,  
Természetmegőrzési Főosztály

## Jelmagyarázat

