

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

## NATIONAL LEVEL

### 1. General information

1.1 Member State	HU
1.2 Species code	1193
1.3 Species scientific name	<b>Bombina variegata</b>
1.4 Alternative species scientific name	
1.5 Common name (in national language)	sárgahasú unka

### 2. Maps

2.1 Sensitive species	No
2.2 Year or period	2013-2018
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	No

### 3. Information related to Annex V Species (Art. 14)

3.1 Is the species taken in the wild/exploited?	No	
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	No
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	No
	c) regulation of the periods and/or methods of taking specimens	No
	d) application of hunting and fishing rules which take account of the conservation of such populations	No
	e) establishment of a system of licences for taking specimens or of quotas	No
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	No
	g) breeding in captivity of animal species as well as artificial propagation of plant species	No
	h) other measures	No

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

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)

a) Unit

b) Statistics/ quantity taken	Provide statistics/quantity per hunting season or per year (where season is not used) over the reporting period					
	Season/ year 1	Season/ year 2	Season/ year 3	Season/ year 4	Season/ year 5	Season/ year 6
Min. (raw, ie. not rounded)						
Max. (raw, ie. not rounded)						
Unknown	No	No	No	No	No	No

3.4. Hunting bag or quantity taken in the wild Method used

3.5. Additional information

## BIOGEOGRAPHICAL LEVEL

### 4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

**Pannonian (PAN)**

4.2 Sources of information

<https://herpterkep.mme.hu/>

A Nemzeti Biodiverzitás-Monitorozó Rendszer Keretében 2013-2018 Között Végzett Felmérések Kutatási Jelentései \_\_ (Monitoring Reports (2013-2018) Of Hungarian Biodiversity Monitoring System)

Balázs Vági, Tibor Kovács, Raluca Bancila, Tibor Hartel, Brandon P. Anthony (2013): A landscape-level study on the breeding site characteristics of amphibian species in Central Europe. *Amphibia-Reptilia* (34) pp.: 63-73.

HARASZTHY L. & SÁFIÁN SZ. (szerk.) (2016): Védett állatfajok elterjedési atlasza Vas, Zala és Somogy megye Natura 2000 területein. Somogy Természetvédelmi Szervezet

Vörös, J., Herczeg D., Fülöp A., Gál J. T., Dán Á., Harnos K., and Bosch J. (2018): *Batrachochytrium dendrobatidis* in Hungary: an overview of recent and historical occurrence. *Acta Herpetologica*, 13 (2). pp. 125-140

### 5. Range

5.1 Surface area

7254

5.2 Short-term trend Period

2007-2018

5.3 Short-term trend Direction

Uncertain (u)

5.4 Short-term trend Magnitude

a) Minimum

b) Maximum

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

5.5 Short-term trend Method used	Based mainly on expert opinion with very limited data	
5.6 Long-term trend Period		
5.7 Long-term trend Direction		
5.8 Long-term trend Magnitude	a) Minimum	b) Maximum
5.9 Long-term trend Method used		
5.10 Favourable reference range	a) Area (km <sup>2</sup> ) b) Operator c) Unknown d) Method	More than (>)
5.11 Change and reason for change in surface area of range	Improved knowledge/more accurate data The change is mainly due to: Improved knowledge/more accurate data	
5.12 Additional information		

## 6. Population

6.1 Year or period	2013-2018	
6.2 Population size (in reporting unit)	a) Unit b) Minimum c) Maximum d) Best single value	number of map 1x1 km grid cells (grids1x1)   603
6.3 Type of estimate	Minimum	
6.4 Additional population size (using population unit other than reporting unit)	a) Unit b) Minimum c) Maximum d) Best single value	
6.5 Type of estimate		
6.6 Population size Method used	Based mainly on extrapolation from a limited amount of data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Uncertain (u)	
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval	
6.10 Short-term trend Method used	Based mainly on extrapolation from a limited amount of data	
6.11 Long-term trend Period		
6.12 Long-term trend Direction		
6.13 Long-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval	
6.14 Long-term trend Method used		

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

6.15 Favourable reference population (using the unit in 6.2 or 6.4)

- a) Population size
- b) Operator More than (>)
- c) Unknown
- d) Method

6.16 Change and reason for change in population size

- Improved knowledge/more accurate data
- Use of different method
- The change is mainly due to: Use of different method

6.17 Additional information

## 7. Habitat for the species

7.1 Sufficiency of area and quality of occupied habitat

- a) Are area and quality of occupied habitat sufficient (for long-term survival)? No
- b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)? Yes

7.2 Sufficiency of area and quality of occupied habitat Method used

Based mainly on extrapolation from a limited amount of data

7.3 Short-term trend Period

2007-2018

7.4 Short-term trend Direction

Uncertain (u)

7.5 Short-term trend Method used

Based mainly on extrapolation from a limited amount of data

7.6 Long-term trend Period

7.7 Long-term trend Direction

7.8 Long-term trend Method used

7.9 Additional information

## 8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Droughts and decreases in precipitation due to climate change (N02)	H
Management of fishing stocks and game (G08)	M
Problematic native species (I04)	M
Abandonment of traditional forest management (B04)	M
Logging without replanting or natural regrowth (B05)	M
Logging (excluding clear cutting) of individual trees (B06)	M
Threat	Ranking
Droughts and decreases in precipitation due to climate change (N02)	H
Management of fishing stocks and game (G08)	M
Problematic native species (I04)	M

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

Abandonment of traditional forest management (B04)	M
Logging without replanting or natural regrowth (B05)	M
Logging (excluding clear cutting) of individual trees (B06)	M

## 8.2 Sources of information

## 8.3 Additional information

# 9. Conservation measures

9.1 Status of measures	a) Are measures needed?	Yes
	b) Indicate the status of measures	Measures identified and taken

9.2 Main purpose of the measures taken	Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population')
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9.3 Location of the measures taken	Only inside Natura 2000
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9.4 Response to the measures	Short-term results (within the current reporting period, 2013-2018)
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## 9.5 List of main conservation measures

Adapt/manage reforestation and forest regeneration (CB04)

Reduce impact of multi-purpose hydrological changes (CJ02)

## 9.6 Additional information

# 10. Future prospects

10.1 Future prospects of parameters	a) Range	Poor
	b) Population	Unknown
	c) Habitat of the species	Poor

## 10.2 Additional information

# 11. Conclusions

11.1. Range	Unfavourable - Inadequate (U1)
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11.2. Population	Unfavourable - Inadequate (U1)
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11.3. Habitat for the species	Unfavourable - Inadequate (U1)
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11.4. Future prospects	Unfavourable - Inadequate (U1)
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11.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
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11.6 Overall trend in Conservation Status	Unknown (x)
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11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status No change The change is mainly due to:
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b) Overall trend in conservation status

No change

The change is mainly due to:

## 11.8 Additional information

## 12. Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species

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 number of map 1x1 km grid cells (grids1x1)  
b) Minimum  
c) Maximum  
d) Best single value 603

12.2 Type of estimate

Minimum

12.3 Population size inside the network Method used

Based mainly on extrapolation from a limited amount of data

12.4 Short-term trend of population size within the network Direction

Uncertain (u)

12.5 Short-term trend of population size within the network Method used

Based mainly on extrapolation from a limited amount of data

12.6 Additional information

## 13. Complementary information

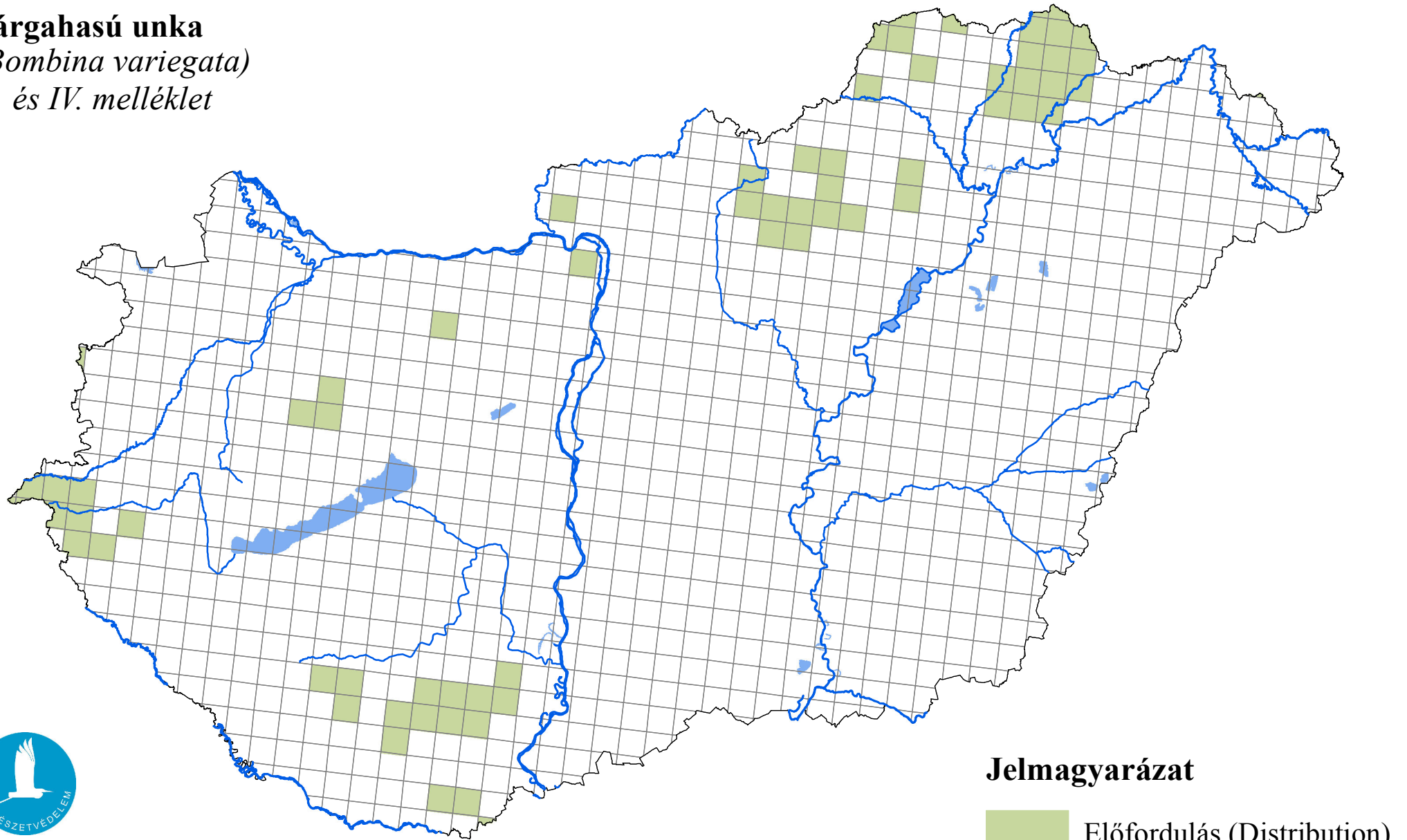
13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

# Az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentés 2019

**Sárgahasú unka**  
(*Bombina variegata*)  
II. és IV. melléklet



Forrás: Agrárminisztérium,  
Természetmegőrzési Főosztály

**Jelmagyarázat**

