

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	4121
1.3 Species scientific name	Vipera ursinii rakosiensis
1.4 Alternative species scientific name	
1.5 Common name (in national language)	rákosi (parlagi) vipera

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	Complete survey or a statistically robust estimate
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

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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/>

T, Péchy, B Halpern, E Sós, C Walzer (2015): Conservation of the Hungarian meadow viper *Vipera ursinii rakosiensis*. International zoo yearbook 49 (1), 89-103.

Fejes, Zs. (2018): Hüllőpopulációk abundanciaviszonyai és az azokat befolyásoló vegetációszerkezeti elemek egy kitüntetett rákosivipera-élőhelyen. Szakdolgozat. Szent István Egyetem, Gödöllő

Halpern, B. (2014): Rákosi vipera állományok monitorozása egyes Natura2000 területeken és veszélyeztetett példányok kimentése a bugaci Nagy-pusztán – 2014. Kutatási jelentés. Budapest

Halpern, B. (2016): Rákosi vipera állományok monitorozása "Természetvédelmi kártalanítás" előirányzat (AHT azonosító: 256512) által biztosított keretből. Budapest

Halpern, B. (2016): A Rákosivipera-védelmi Központ 2015–2016. évi működtetése "Természetvédelmi kártalanítás" előirányzat (AHT azonosító: 256512) által biztosított keretből. Budapest

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Halpern, B. (2018): Rákosi vipera állományok felmérése a Felsőkiskunsági Turjánvidék és Bócsa-bugaci homokpuszta kiemelt jelentőségű természetmegőrzési területeken. Kutatási jelentés. Budapest

Halpern, B. (2018): A Kunadacs, Középadacs tanya 31. sz. alatt található Rákosivipera-védelmi Központ 2017-2018. évi üzemeltetéséről. Jelentés. Budapest

Mizsei, E. (2018): Rákosi vipera állományfelmérés a Kunpeszér 0216/ hrsz-ú gyepterület kijelölt részén (6 ha). Kutatási jelentés. Debrecen

Vadász, Cs. Máté, A. & Molnár, J. (2018): Természetvédelmi területkezelési rendszerek és az azokat megalapozó kutatások a Táborfalvai Lő- és Gyakorlótér kunpeszéri biztonsági zónájában. In: Korda, M. (szerk.): Természetvédelem és kutatás a Turjánvidék északi részén. Duna-Ipoly Nemzeti Park Igazgatóság url: <https://www.dunaipoly.hu/uploads/2018-07/20180703152034-rosalia-10-honlapra-empl06tff.pdf>

Péntek Attila László, Halpern Bálint és Vörös Judit (2018): A turjánvidék herpetofaunája. Természetvédelem és kutatás a Turjánvidék északi részén. Rosalia (10) pp. 893–914.

5. Range

5.1 Surface area	1300
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Stable (0)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Complete survey or a statistically robust estimate
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 ²) b) Operator Much more than (>>) c) Unknown d) Method
5.11 Change and reason for change in surface area of range	No change The change is mainly due to:

5.12 Additional information

6. Population

6.1 Year or period 2013-2018

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6.2 Population size (in reporting unit) a) Unit number of map 1x1 km grid cells (grids1x1)
 b) Minimum
 c) Maximum
 d) Best single value 27

6.3 Type of estimate Best estimate

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 Complete survey or a statistically robust estimate

6.7 Short-term trend Period 2007-2018

6.8 Short-term trend Direction Increasing (+)

6.9 Short-term trend Magnitude a) Minimum
 b) Maximum
 c) Confidence interval

6.10 Short-term trend Method used Complete survey or a statistically robust estimate

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

6.15 Favourable reference population (using the unit in 6.2 or 6.4) a) Population size
 b) Operator Much more than (>>)
 c) Unknown
 d) Method

6.16 Change and reason for change in population size Genuine
 Improved knowledge/more accurate data
 Use of different method
 The change is mainly due to: Genuine change

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

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7.2 Sufficiency of area and quality of occupied habitat Method used	Complete survey or a statistically robust estimate
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Stable (0)
7.5 Short-term trend Method used	Complete survey or a statistically robust estimate
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
Mowing or cutting of grasslands (A08)	H
Modification of hydrological flow or physical alteration of water bodies for agriculture (excluding development and operation of dams) (A33)	H
Management of fishing stocks and game (G08)	H
Droughts and decreases in precipitation due to climate change (N02)	M
Invasive alien species of Union concern (I01)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

Threat	Ranking
Mowing or cutting of grasslands (A08)	H
Modification of hydrological flow or physical alteration of water bodies for agriculture (excluding development and operation of dams) (A33)	H
Management of fishing stocks and game (G08)	H
Droughts and decreases in precipitation due to climate change (N02)	M
Invasive alien species of Union concern (I01)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

8.2 Sources of information

8.3 Additional information IAS union concern : *Asclepias syriaca* L.;

9. Conservation measures

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

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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')

9.3 Location of the measures taken

Only inside Natura 2000

9.4 Response to the measures

Medium-term results (within the next two reporting periods, 2019-2030)

9.5 List of main conservation measures

Manage drainage and irrigation operations and infrastructures in agriculture (CA15)

Management, control or eradication of established invasive alien species of Union concern (CI02)

Adopt climate change mitigation measures (CN01)

Management of hunting, recreational fishing and recreational or commercial harvesting or collection of plants (CG02)

Other measures related to natural processes (CL04)

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters

a) Range	Bad
b) Population	Bad
c) Habitat of the species	Poor

10.2 Additional information

11. Conclusions

11.1. Range

Unfavourable - Bad (U2)

11.2. Population

Unfavourable - Bad (U2)

11.3. Habitat for the species

Unfavourable - Inadequate (U1)

11.4. Future prospects

Unfavourable - Bad (U2)

11.5 Overall assessment of Conservation Status

Unfavourable - Bad (U2)

11.6 Overall trend in Conservation Status

Improving (+)

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:

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

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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	number of map 1x1 km grid cells (grids1x1) 27
12.2 Type of estimate	Best estimate	
12.3 Population size inside the network Method used	Complete survey or a statistically robust estimate	
12.4 Short-term trend of population size within the network Direction	Increasing (+)	
12.5 Short-term trend of population size within the network Method used	Complete survey or a statistically robust estimate	
12.6 Additional information		

13. Complementary information

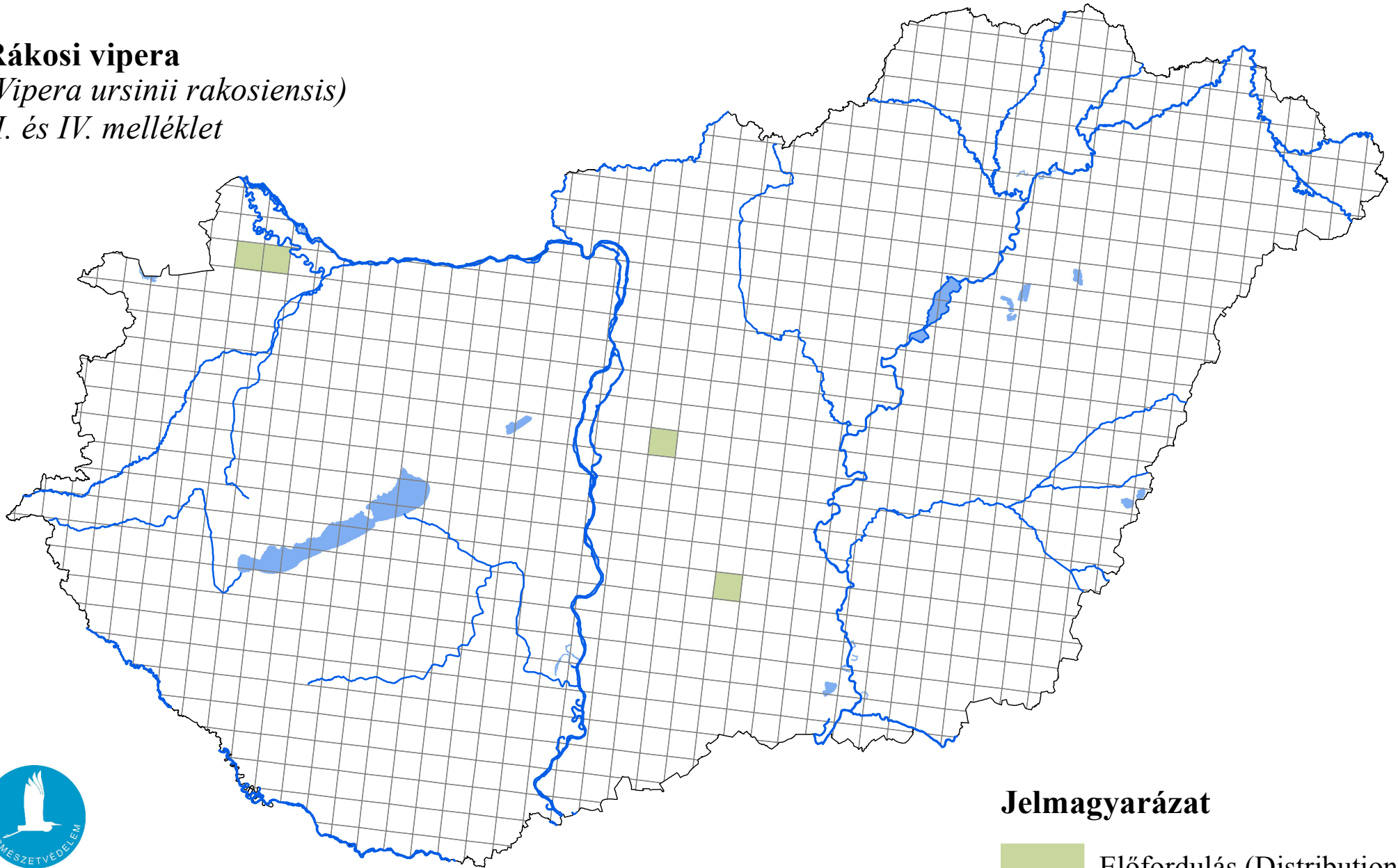
- 13.1 Justification of % thresholds for trends
- 13.2 Trans-boundary assessment
- 13.3 Other relevant Information

Az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentés 2019

Rákosi vipera

(*Vipera ursinii rakosiensis*)

II. és IV. melléklet



Forrás: Agrárminisztérium,
Természetmegőrzési Főosztály

Jelmagyarázat

