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	**1220**
1.3 Species scientific name	**Emys orbicularis**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	mocsári teknős

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

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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/
A Nemzeti Biodiverzitás-Monitorozó Rendszer Keretében 2013-2018 Között Végzett Felmérések Kutatási Jelentései_ _(Monitoring Reports (2013-2018) Of Hungarian Biodiversity Monitoring System)_
https://vadonleső.hu/
Péntek Attila László, Halpern Bálint és Vörös Judit (2018): A turjánvidék herpetofaunája. Természetvédelem és kutatás a Turjánvidék északi részén. Rosalia (10) pp. 893–914.

Fejes Zsófia Anna (2018): Hüllőpopulációk abundanciaviszonyai és az azokat befolyásoló vegetációszerkezeti elemek egy kitüntetett rákosivipera-élőhelyen. KNPI Kutatási jelentés.

MME KHSZ (2016): Kutatási jelentés Mocsári teknős felmérése Natura 2000 területeken. KNPI Kutatási jelentés.

Molnár Nóra (2017): Idegenhonos ékszerteknős és mocsári teknős populációk jellegzetességei az Újszegedi Holt-Maroson 2017-ben. KNPI Kutatási jelentés.

Molnár Nóra (2016): Mocsári teknős monitorozás eredményei. KNPI Kutatási jelentés.

Balázs Farkas, Bálint Halpern, Péter Agócs, Róbert Dankovics, Angéla Földi, Erika Gulácsi, György Györffy, Zsóia Kalmár, István Kiss, Tibor Kovács, Zsóia Eszter Lovász, László Molnár, Tamás Gergely Molnár, Tamás Péchy, Tibor Somlai, László

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Torvaji (2013): Conservation activities for European pond turtles (Emys orbicularis) in Hungary. Herpetology Notes, (6) pp. 107-110.

5. Range

5.1 Surface area	63561	
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	Based mainly on extrapolation from a limited amount of 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 (km²) b) Operator: Approximately equal to (≈) c) Unknown d) Method	
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: number of map 1x1 km grid cells (grids1x1) b) Minimum c) Maximum d) Best single value: 1848	
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	Stable (0)	

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	
6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size b) Operator Approximately equal to (≈) 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)? Yes b) 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	Based mainly on extrapolation from a limited amount of data
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Stable (0)
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
Forestry activities generating pollution to surface or ground waters (B23)	M

Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Drainage for use as agricultural land (A31)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Drainage, land reclamation and conversion of wetlands, marshes, bogs, etc. to settlement or recreational areas (F26)	M
Invasive alien species of Union concern (I01)	M

Threat	Ranking
Forestry activities generating pollution to surface or ground waters (B23)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Drainage for use as agricultural land (A31)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Invasive alien species of Union concern (I01)	M

8.2 Sources of information

8.3 Additional information: IAS union concern : Asclepias syriaca L.; Trachemys scripta Schoepff, 1792;

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: Maintain the current range, population and/or habitat for the species

9.3 Location of the measures taken: Both inside and outside Natura 2000

9.4 Response to the measures: Short-term results (within the current reporting period, 2013-2018)

9.5 List of main conservation measures

Other measures related to transport (CE07)
Early detection and rapid eradication of invasive alien species of Union concern (CI01)
Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes (CL01)
Reinforce populations of species from the directives (CS01)

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters

a) Range	Good
b) Population	Good
c) Habitat of the species	Good

10.2 Additional information

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11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Favourable (FV)
11.3. Habitat for the species	Favourable (FV)
11.4. Future prospects	Favourable (FV)
11.5 Overall assessment of Conservation Status	Favourable (FV)
11.6 Overall trend in Conservation Status	Stable (=)
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 Use of different method The change is mainly due to: Use of different method
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: 1314
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	Stable (0)
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	

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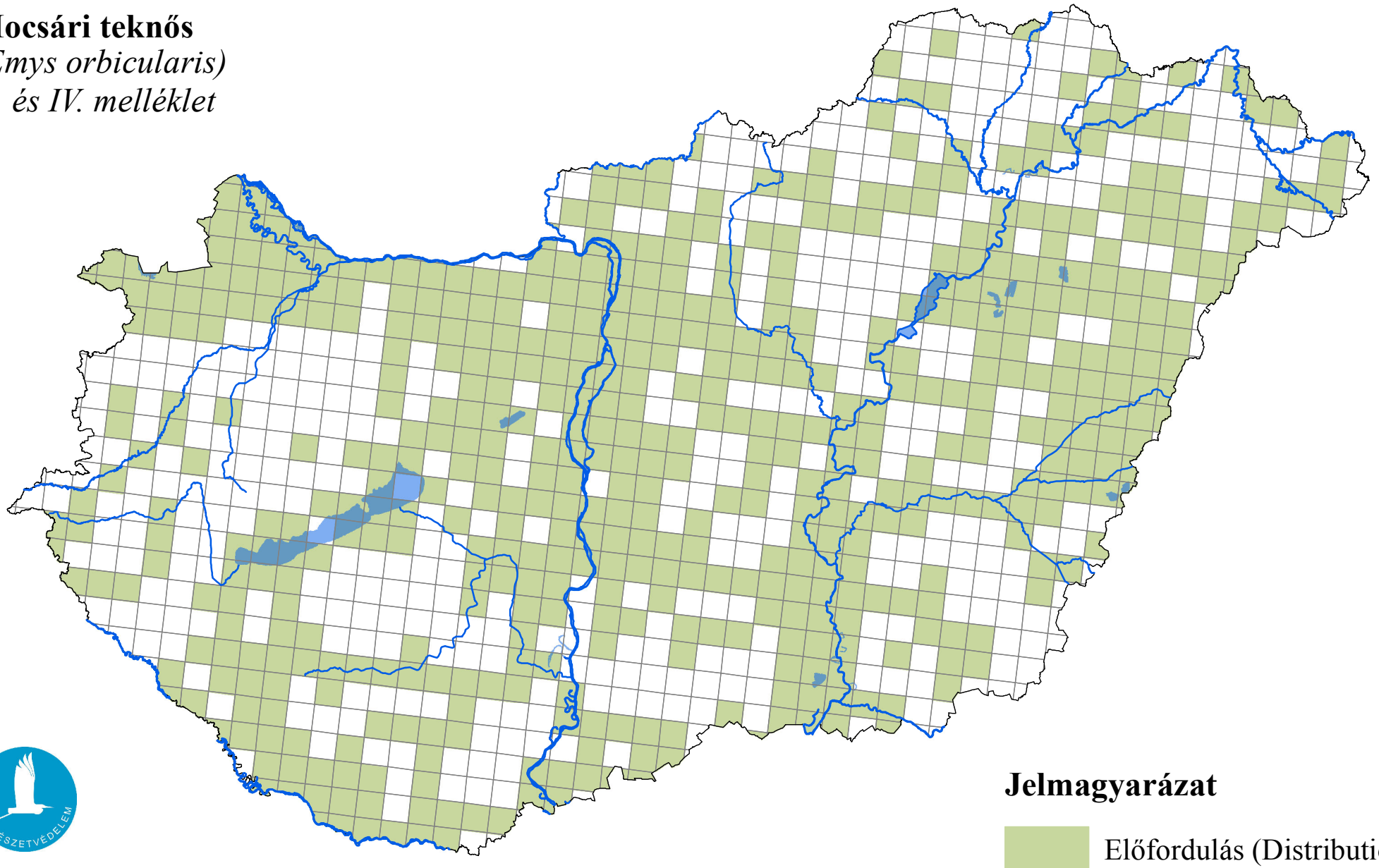
Az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentés 2019

Mocsári teknős
(Emys orbicularis)
II. és IV. melléklet



Forrás: Agrárminisztérium,
Természetmegőrzési Főosztály