

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	4046
1.3 Species scientific name	<i>Cordulegaster heros</i>
1.4 Alternative species scientific name	
1.5 Common name (in national language)	ritka hegyiszitakötő

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

Nemzeti Biodiverzitás-monitorozó Rendszer 2013-2018 időszakban végzett felméréseinek jelentései

Ambrus A., Danyik T., Kovács T., Olajos P. (2018): Magyarország szitakötőinek kézikönyve (Handbook of the Damselflies and Dragonflies of Hungary).

Természettár Könyvsorozat. Magyar Természettudományi Múzeum, Herman Ottó Nonprofit Kft., Budapest, 290 oldal

Haraszthy L., Sáfián Sz. (szerk.)(2016): Védett állatfajok elterjedési atlasza Vas, Zala és Somogy megye Natura 2000 területein / Distribution atlas of protected species of animals in Natura 2000 sites of Vas, Zala and Somogy Counties.

Somogy Természetvédelmi Szervezet, Somogyfajs, pp. 1-216.

http://stvsz.com/wp-content/uploads/2017/07/vedett_allatfajok_elterjedesi_atlasza_2016_dig.pdf

Kovács T., Ambrus A. és Olajos P. (2017): Lárva és exuvium adatok Magyarország Odonata faunájához IV. – Folia Historico-Naturalia Musei Matraensis, Gyöngyös, 41: 17-23.

http://www.matramuzeum.hu/e107_files/public/docrep/vol.41._2017/017_024

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_Kovacs_Odonataadatok_41.pdf

Rozner Gy., Ferincz Á., Miókovics E. (2012): Adatok a (*Cordulegaster bidentata* Sélys, 1843) és a kétcsíkos hegyisztakötő (*Cordulegaster heros*) elterjedéséhez a Bakonyban. – Természettudományi Közlemények 18: 447-455.

Csordás L., Ferincz Á., Lökkös A. és Rozner Gy. (2009): New data on the distribution of Large Golden Ringed Dragonfly (*Cordulegaster heros* Theischinger, 1979) (Odonata) in Zselic hills. – *Natura Somogyiensis*, Kaposvár, 15: 53-56.

5. Range

5.1 Surface area	3233
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 Approximately equal to (≈) c) Unknown d) Method
5.11 Change and reason for change in surface area of range	Genuine 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 138
6.3 Type of estimate	Minimum

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6.4 Additional population size (using population unit other than reporting unit)	<ul style="list-style-type: none"> 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	Stable (0)
6.9 Short-term trend Magnitude	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> a) Population size b) Operator Approximately equal to (\approx) c) Unknown d) Method
6.16 Change and reason for change in population size	<p>Genuine Improved knowledge/more accurate data Use of different method</p> <p>The change is mainly due to: Improved knowledge/more accurate data</p>
6.17 Additional information	

7. Habitat for the species

7.1 Sufficiency of area and quality of occupied habitat	<ul style="list-style-type: none"> 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)?
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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
Droughts and decreases in precipitation due to climate change (N02)	M
Physical alteration of water bodies (K05)	M
Logging (excluding clear cutting) of individual trees (B06)	H
Clear-cutting, removal of all trees (B09)	M
Threat	Ranking
Droughts and decreases in precipitation due to climate change (N02)	H
Logging (excluding clear cutting) of individual trees (B06)	H
Physical alteration of water bodies (K05)	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, but none yet taken
9.2 Main purpose of the measures taken		
9.3 Location of the measures taken		
9.4 Response to the measures		Medium-term results (within the next two reporting periods, 2019-2030)

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9.5 List of main conservation measures

Adapt/change forest management and exploitation practices (CB05)

Stop forest management and exploitation practices (CB06)

Reduce impact of multi-purpose hydrological changes (CJ02)

Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes (CL01)

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

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
	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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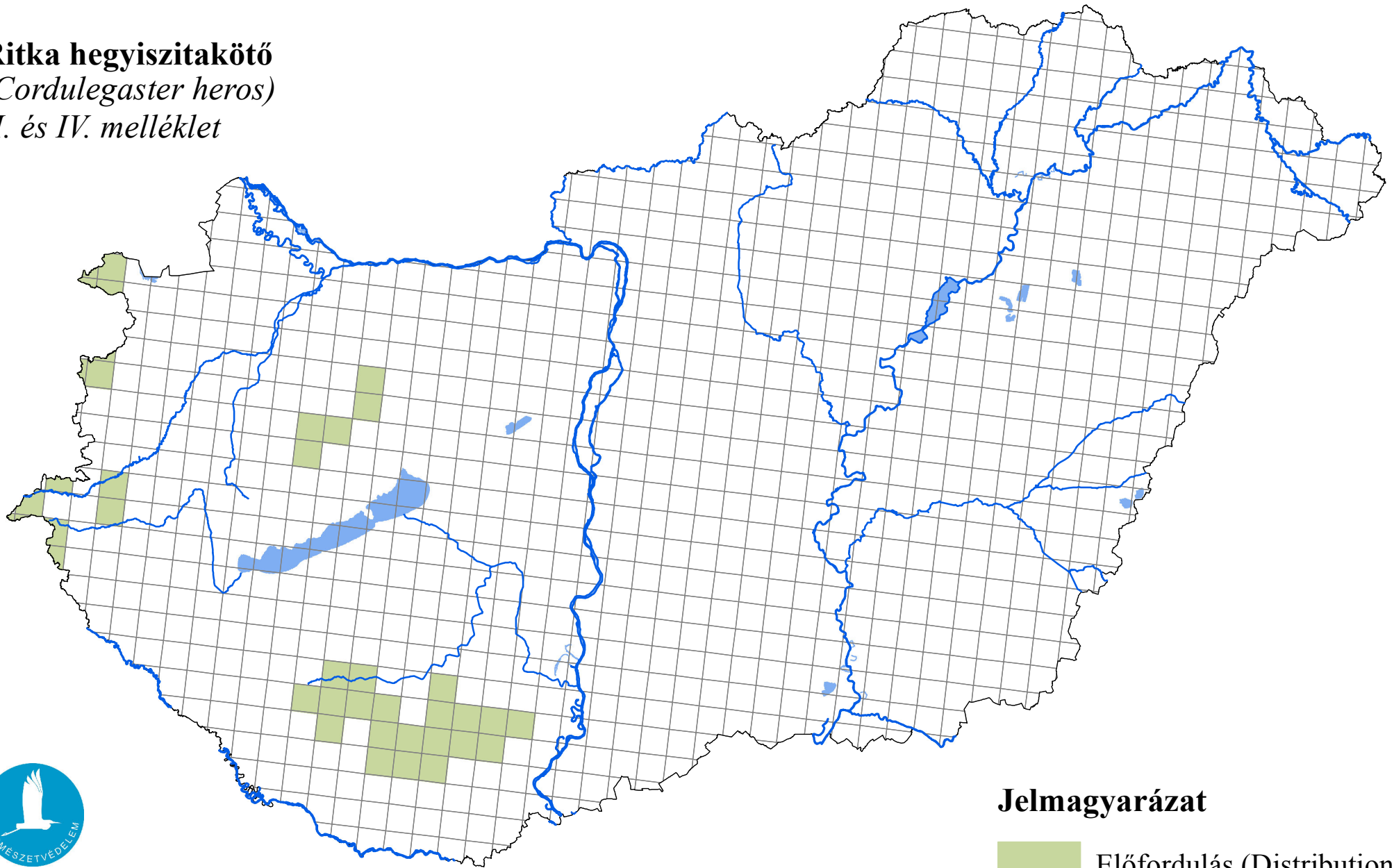
12.1 Population size inside the pSCIs, SCIs and SACs network (on the biogeographical/marine level including all sites where the species is present)	a) Unit	number of map 1x1 km grid cells (grids1x1)
	b) Minimum	
	c) Maximum	
	d) Best single value	102
12.2 Type of estimate	Minimum	
12.3 Population size inside the network Method used	Complete survey or a statistically robust estimate	
12.4 Short-term trend of population size within the network Direction	Stable (0)	
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

Ritka hegyiszitakötő
(*Cordulegaster heros*)
II. és IV. melléklet



Forrás: Agrárminisztérium,
Természetmegőrzési Főosztály

Jelmagyarázat

