

# 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	4096
1.3 Species scientific name	<i>Gladiolus palustris</i>
1.4 Alternative species scientific name	
1.5 Common name (in national language)	mocsári kardvirág

### 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

Tamás Malkócs, Shyryn Almerikova, Levente Laczkó, Emese Meglécz, Judit Cservenka, Judit Bereczki and Gábor Sramkó (2018): Population genetics of *Gladiolus palustris* in the Carpathian Basin – poszter, Aktuális flórakutatás a Kárpát-medencében XII.

Sramkó G. (2017): Mikroszatellit markerek de novo fejlesztése a fokozottan védett mocsári kardvirág (*Gladiolus palustris*) populációgenetikai vizsgálatához – a markerek tesztelése és változatosságuk bemutatása, Kutatási jelentés, BfNPI irattár

Aradi Eszter - A mocsári kardvirág és tartós szegfű fajmegőrzési tervei; Előadás: XIII. Természetvédelmi Szeminárium, Túrkeve. 2015.03.25.  
<http://nimfea.hu/aktualis/150402.htm>

Csete Sándor-Magos Gábor-Molnár V. Attila (2014): Mocsári kardvirág *Gladiolus palustris* Gaudin 1828. In: Haraszthy L. (szerk): /Natura 2000 fajok és élőhelyek Magyarországon/. Pro Vértes Közalapítvány, Csákvár: 573-576

Monitoring reports (2013-2018) of Hungarian Biodiversity Monitoring System

### 5. Range

5.1 Surface area

975

5.2 Short-term trend Period

2007-2018



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## 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 More than (>)
- c) Unknown
- d) Method

## 6.16 Change and reason for change in population size

- Genuine
- Improved knowledge/more accurate data
- The change is mainly due to: Improved knowledge/more accurate data

## 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

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
Drainage (K02)	M
Accumulation of organic material (L03)	M
Problematic native species (I04)	M
Creation or development of sports, tourism and leisure infrastructure (outside the urban or recreational areas) (F05)	M
Threat	Ranking
Droughts and decreases in precipitation due to climate	M

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change (N02)

Drainage (K02)	M
Accumulation of organic material (L03)	M
Problematic native species (I04)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Other invasive alien species (other than species of Union concern) (I02)	M
Creation or development of sports, tourism and leisure infrastructure (outside the urban or recreational areas) (F05)	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

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

## 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

Reinstate appropriate agricultural practices to address abandonment, including mowing, grazing, burning or equivalent measures (CA04)

Adapt mowing, grazing and other equivalent agricultural activities (CA05)

Reduce impact of transport operation and infrastructure (CE01)

Early detection and rapid eradication of invasive alien species of Union concern (CI01)

Management of problematic native species (CI05)

Reintroduce species from the directives (CS02)

Prevent conversion of (semi-) natural habitats into forests and of (semi-)natural forests into intensive forest plantation (CB01)

Adapt/manage reforestation and forest regeneration (CB04)

Management, control or eradication of other invasive alien species (CI03)

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

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## 10.2 Additional information

## 11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unfavourable - Inadequate (U1)
11.3. Habitat for the species	Favourable (FV)
11.4. Future prospects	Favourable (FV)
11.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
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 Genuine The change is mainly due to: Genuine change
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 b) Minimum c) Maximum d) Best single value	number of individuals (i) 246000 393000
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		

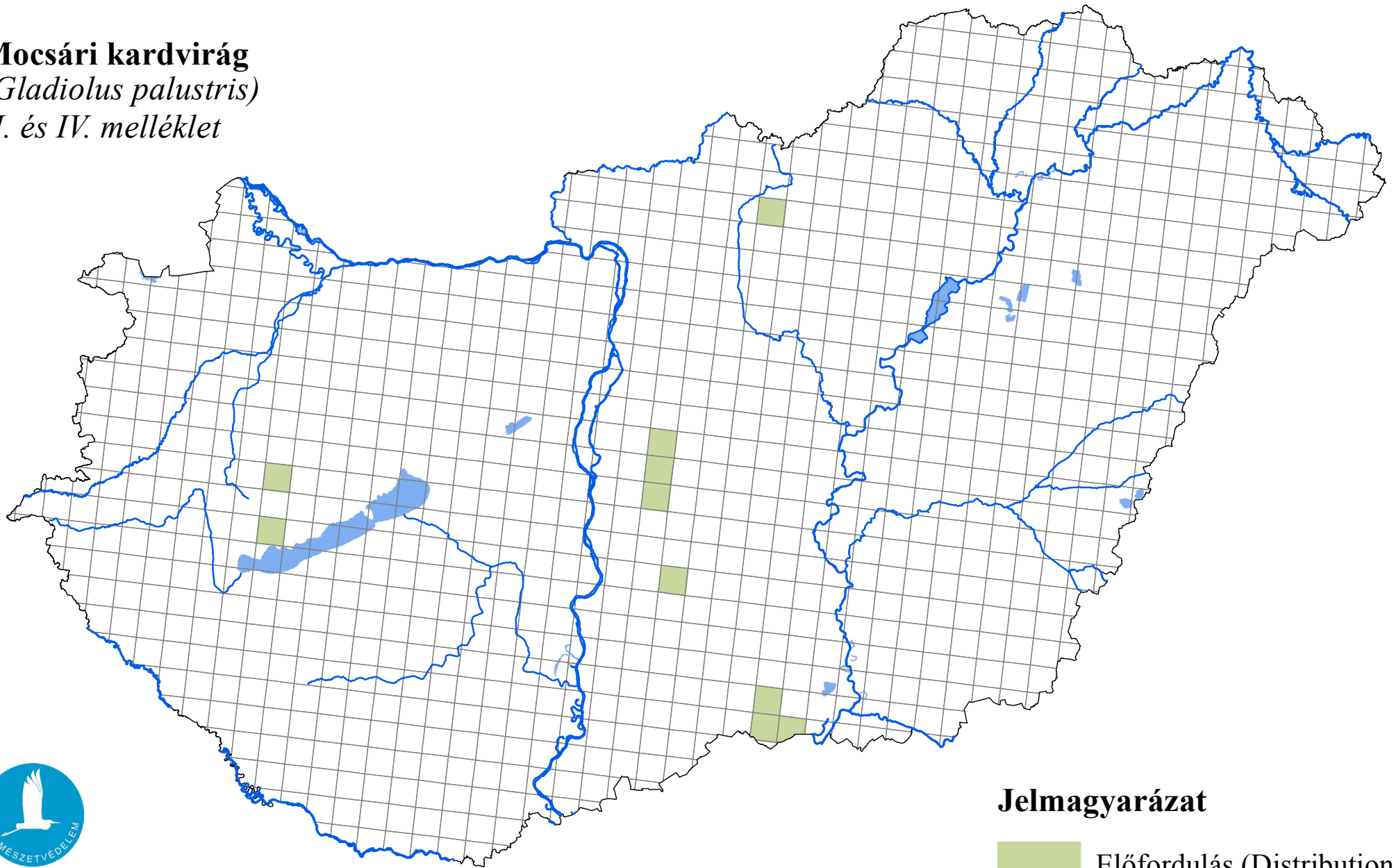
## 13. Complementary information

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

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# Az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentés 2019

**Mocsári kardvirág**  
(*Gladiolus palustris*)  
II. és IV. melléklet



Forrás: Agrárminisztérium,  
Természetmegőrzési Főosztály

## Jelmagyarázat

