

# Annex B - Bird Species' status and trends report (Article 12)

## 1. Species information

1.1 Member State	Hungary
1.2 Species code	A029
1.3 EURING code	1240
1.4 Species scientific name	Ardea purpurea
1.5 Subspecific population	
1.6 Alternative species scientific name	
1.7 Common name	vörös gém
1.8 Season	Breeding (B)

## 2. Population size

2.1 Year or period	2015-2017
2.2 Population size	a) Unit                      number of pairs (p) b) Minimum                633 c) Maximum                802 d) Best single value
2.3 Type of estimate	Best estimate
2.4 Population size Method used	Complete survey or a statistically robust estimate
2.5 Sources	National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) <a href="http://map.mme.hu/maps/map2">http://map.mme.hu/maps/map2</a>
2.6 Change and reason for change (since previous report)	Genuine change Improved knowledge/more accurate data  The change is mainly due to:    Genuine change

### 2.7 Additional information

## 3. Population trend

### 3.1 Short-term trend (last 12 years)

3.1.1 Short-term trend Period	2007-2018
3.1.2 Short-term trend Direction	Decreasing (-)
3.1.3 Short-term trend Magnitude	a) Minimum                11 b) Maximum                58 c) Best single value
3.1.4 Short-term trend Method used	Based mainly on extrapolation from a limited amount of data
3.1.5 Sources	Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 522-524. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) <a href="http://map.mme.hu/maps/map2">http://map.mme.hu/maps/map2</a>

### 3.2 Long-term trend (since c. 1980)

## Annex B - Bird Species' status and trends report (Article 12)

3.2.1 Long-term trend Period	1980-2018
3.2.2 Long-term trend Direction	Fluctuating (F)
3.2.3 Long-term trend Magnitude	a) Minimum b) Maximum c) Best single value
3.2.4 Long-term Trend Method used	Based mainly on extrapolation from a limited amount of data
3.2.5 Sources	Haraszthy, L. (szerk.) (1998): Magyarország madarai. Mezőgazda Kiadó, Budapest. 441 p. Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 518-521. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) <a href="http://map.mme.hu/maps/map2">http://map.mme.hu/maps/map2</a>
3.3 Additional information	

### 4. Breeding distribution map and size

4.1 Sensitive species	No
4.2 Year or period	2014-2018
4.3 Breeding distribution map	Yes
4.4 Breeding distribution surface area	12627
4.5 Breeding distribution Method used	Complete survey or a statistically robust estimate
4.6 Additional maps	No
4.7 Sources	Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 518-521. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) <a href="http://map.mme.hu/maps/map2">http://map.mme.hu/maps/map2</a>
4.8 Additional information	

### 5. Breeding range trend

#### 5.1 Short-term trend (last 12 years)

5.1.1 Short-term trend Period	2000-2018
5.1.2 Short-term trend Direction	Decreasing (-)
5.1.3 Short-term trend Magnitude	a) Minimum b) Maximum c) Best single value 29
5.1.4 Short-term trend Method used	Based mainly on extrapolation from a limited amount of data
5.1.5 Sources	Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 518-521. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) <a href="http://map.mme.hu/maps/map2_">http://map.mme.hu/maps/map2_</a>

#### 5.2 Long-term trend (since c. 1980)

## Annex B - Bird Species' status and trends report (Article 12)

5.2.1 Long-term trend Period	1980-2018
5.2.2 Long-term trend Direction	Fluctuating (F)
5.2.3 Long-term trend Magnitude	a) Minimum b) Maximum c) Best single value
5.2.4 Long-term trend Method used	Based mainly on extrapolation from a limited amount of data
5.2.5 Sources	Haraszthy L. (szerk.) (1984): Magyarország fészkelő madarai. Natura, Budapest. Haraszthy, L. (szerk.) (1998): Magyarország madarai. Mezőgazda Kiadó, Budapest. 441 p. Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 522-524. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) <a href="http://map.mme.hu/maps/map2">http://map.mme.hu/maps/map2</a>
5.3 Additional information	Haraszthy, L. (1998) shows 66 grids (based on surveys from 1976-1982), Haraszthy L. (2014) shows 147 grids for 2000-2012, the present report shows 12627 km <sup>2</sup> distribution. The breeding population strongly fluctuates depending on rainfall conditions (decreased from mid-80s, and increased again in the years 2000, but seems to have decreased again), so it is best called fluctuating in the long-term. The best single value for the short-term trend is the comparison of the breeding range in the 2013 Article 12 report and in the present report.

## 6. Progress in work related to international Species Action Plans (SAPs), Management Plans (MPs) and Brief Management Statements (BMSs)

6.0 Is/Will the information related to international SAPs, MPs and BMSs (section 6) be provided for the other season for this species?	No
6.1 Type of international plan	No plan (NA)
6.2 Has a national plan linked to the international SAP/MP/BMS been adopted?	No
6.3 If 'NO', describe any measures and initiatives taken related to the international SAP/MP/BMS	
6.4 Assessment of the effectiveness of SAPs for globally threatened species (Art. 12, Species Action Plans)	( )
6.5 Assessment of the effectiveness of MPs for huntable species in non-Secure status (Articles 3 and 7, Management Plans)	( )
6.6 Sources of further Information	

# Annex B - Bird Species' status and trends report (Article 12)

## 7. Main pressures and threats

a) Pressure	b) Ranking	c) location
Burning for agriculture (A11)	M	inside the Member State (inMS)
Modification of hydrological flow or physical alteration of water bodies for agriculture (excluding development and operation of dams) (A33)	M	inside the Member State (inMS)
Harvesting or collecting of other wild plants and animals (excluding hunting and leisure fishing) (G09)	H	inside the Member State (inMS)
Abstraction of water, flow diversion, dams and other modifications of hydrological conditions for freshwater aquaculture (G20)	H	inside the Member State (inMS)
Problematic native species (I04)	H	inside the Member State (inMS)
Droughts and decreases in precipitation due to climate change (N02)	H	inside the Member State (inMS)

a) Threat	d) Ranking	e) location
Burning for agriculture (A11)	M	inside the Member State (inMS)
Modification of hydrological flow or physical alteration of water bodies for agriculture (excluding development and operation of dams) (A33)	M	inside the Member State (inMS)
Harvesting or collecting of other wild plants and animals (excluding hunting and leisure fishing) (G09)	H	inside the Member State (inMS)
Abstraction of water, flow diversion, dams and other modifications of hydrological conditions for freshwater aquaculture (G20)	H	inside the Member State (inMS)
Problematic native species (I04)	H	inside the Member State (inMS)
Droughts and decreases in precipitation due to climate change (N02)	H	inside the Member State (inMS)

### 7.2 Sources of information

Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértés Közalapítvány, Csákvár. p. 522-524.

### 7.3 Additional information

## 8. Main Conservation Measures

### 8.1 Status of measures

Measures identified and taken

### 8.2 Main purpose of the measures taken

Restore the habitat of the species

### 8.3 Location of the measures

Both inside and outside Natura 2000

### 8.4 Response to the measures

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

### 8.5 List of main conservation measures

CA05 - Adapt mowing, grazing and other equivalent agricultural activities

## Annex B - Bird Species' status and trends report (Article 12)

CA15 - Manage drainage and irrigation operations and infrastructures in agriculture

CG10 - Manage water abstraction and modifications of hydrological conditions for freshwater aquaculture

CI05 - Management of problematic native species

CJ03 - Restore habitats impacted by multi-purpose hydrological changes

CS03 - Improvement of habitat of species from the directives

### 8.6 Additional information

Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértés Közalapítvány, Csákvár. p. 522-524.

## 9. Natura 2000 (SPAs) coverage

### 9.1 Population size inside the Natura 2000 (SPA) network

a) Unit	number of pairs (p)
b) Minimum	400
c) Maximum	600
d) Best single value	

### 9.2 Type of estimate

Best estimate

### 9.3 Population size inside the network Method used

Based mainly on expert opinion with very limited data

### 9.4 Short-term trend of population size within the network Direction

Stable (0)

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

Based mainly on expert opinion with very limited data

### 9.6 Additional information

The fluctuations are assumed to affect the populations outside the SPAs more than inside.

# A madárvédelmi irányelv 12. cikke alapján készített országjelentés 2019.

**Vörös gém** (*Ardea purpurea*)  
jelölő faj (I. melléklet)

