

# 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	1058
1.3 Species scientific name	Maculinea arion
1.4 Alternative species scientific name	Phengaris arion
1.5 Common name (in national language)	nagyfoltú hangyaboglárka

### 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

Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. ProVértés Közalapítvány, Csákvár, 955 pp.

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

Natura 2000 fenntartási tervek megalapozó adatai

Vozár Á., Kocsis M. (2014): Védett lepkefajok előfordulásai, állományai a Heves–Borsodi-dombság területén. – In: DICZHÁZI I. & SCHMOTZER A. (eds): Apoka. A Heves–Borsodi-dombság és az Upponyi-hegység élővilága. Bükk Nemzeti Park Igazgatóság, Eger, pp., 105-122 pp.

Sáfián Sz., Scherer Z., Strausz M., Horváth B. & Korompai T. (2016): Nagypettyes hangyaboglárka *Phengaris arion* (Linnaeus, 1758). In: HARASZTHY L. & SÁFIÁN SZ. (szerk.): Védett állatfajok elterjedési atlasza Vas, Zala és Somogy megye Natura 2000 területein. Somogy Természetvédelmi Szervezet, Somogyfajsz: 70-71.

Gergely P., Górá Á., Hudák T., Ilonczai Z., Szombathelyi E. (2017): Nappali lepkéink – Határozó terepre és természetfotókhöz / A Field Guide to the Butterflies of Hungary. Kitaibel Kiadó, pp. 1-264.

Tóth J. P., Bereczki J., Varga Z. (2014) – A nagypettyes hangyaboglárka (*Maculinea arion*) és a magyar tarkalepke (*Melitaea ornata kovacsi*) (Lepidoptera) az Aggteleki Nemzeti Park területén; ANP füzetek; Vol. 11.; 119-132. pp.

„A közösségi jelentőségű fajok és élőhelyek megőrzését szolgáló tudásbázis fejlesztése” (KEHOP-4.3.0-VEKOP-15-2016-00001) projekt adatai

### 5. Range

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5.1 Surface area	9206
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Uncertain (u)
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 (km <sup>2</sup> ) b) Operator                                      More than (>) 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      116
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	Uncertain (u)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Based mainly on expert opinion with very limited data
6.11 Long-term trend Period	
6.12 Long-term trend Direction	

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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                      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

### 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

Uncertain (u)

### 7.5 Short-term trend Method used

Based mainly on expert opinion with very limited 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
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	H
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	M
Other invasive alien species (other than species of Union concern) (I02)	M

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Threat	Ranking
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	H
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	M
Other invasive alien species (other than species of Union concern) (I02)	M

## 8.2 Sources of information

## 8.3 Additional information

## 9. Conservation measures

### 9.1 Status of measures

- a) Are measures needed? No
- b) Indicate the status of measures

### 9.2 Main purpose of the measures taken

### 9.3 Location of the measures taken

### 9.4 Response to the measures

### 9.5 List of main conservation measures

### 9.6 Additional information

## 10. Future prospects

### 10.1 Future prospects of parameters

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

### 10.2 Additional information

## 11. Conclusions

### 11.1. Range

Unfavourable - Inadequate (U1)

### 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

Unknown (x)

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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

Improved knowledge/more accurate data

Use of different method

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

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

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

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

12.6 Additional information

## 13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

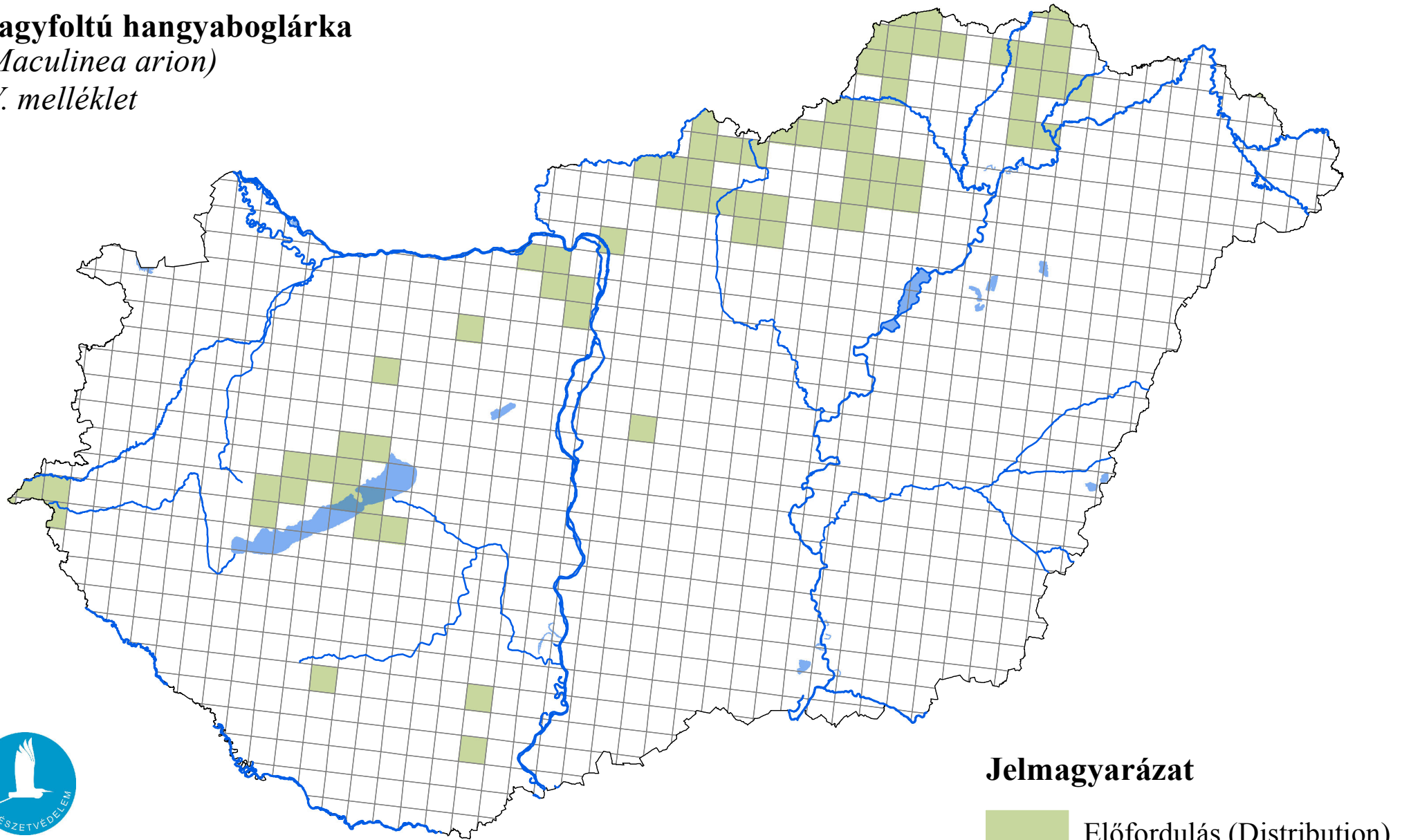
13.3 Other relevant Information

# Az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentés 2019

## Nagyfoltú hangyaboglárka

(*Maculinea arion*)

IV. melléklet



Forrás: Agrárminisztérium,  
Természetmegőrzési Főosztály

### Jelmagyarázat

 Előfordulás (Distribution)

0 25 50 Kilometers  
