

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	HU
0.2.1 Species code	1061
0.2.2 Species name	<b>Maculinea nausithous</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	sötét hangyaboglárka

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

#### Pannonian (PAN)

A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentései.

Sáfián, Sz., Verovnik, R., Bathó, I. -né, Csontos, G., Horváth, B., Kogovšek, N., Rebeušek, F., Scherer, Z., Strausz, M., Szentirmai, I., & Zakšek, B. 2012: Nappali lepke atlasz / Atlas dnevnih metuljev / Butterfly atlas Őrség - Goričko (ed. Ábrahám, L.) – Őriszentpéter, pp. 1-248.

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	5658
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	N/A
2.3.7 Long-term trend direction	min max
2.3.8 Long-term trend magnitude	area (km <sup>2</sup> ) operator approximately equal to (≈) unkown No method
2.3.9 Favourable reference range	
2.3.10 Reason for change	Improved knowledge/more accurate data

### 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
2.4.2 Population size (other than individuals)	Unit number of localities (localities) min 80 max 100
2.4.3 Additional information	Definition of locality A lokalitás egy kolóniának otthont adó élőhelyfolt. Conversion method

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

	Problems	
2.4.4 Year or period	2007-2012	
2.4.5 Method – population size	Estimate based on partial data with some extrapolation and/or modelling (2)	
2.4.6 Short-term trend period	2001-2012	
2.4.7 Short term trend direction	decrease (-)	
2.4.8 Short-term trend magnitude	min max confidence interval	
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)	
2.4.10 Long-term trend period	N/A	
2.4.11 Long term trend direction	min max confidence interval	
2.4.12 Long-term trend magnitude	N/A	
2.4.13 Long-term trend method	number operator more than (>) unknown No	
2.4.14 Favourable reference population	method	
2.4.15 Reason for change	Genuine Improved knowledge/more accurate data	
2.5 Habitat for the Species		
2.5.1 Surface area - Habitat (km <sup>2</sup> )	56	
2.5.2 Year or period	2007-2012	
2.5.3 Method used - habitat	Estimate based on partial data with some extrapolation and/or modelling (2)	
2.5.4 a) Quality of habitat	Moderate	
2.5.4 b) Quality of habitat - method	vízellátottság, inváziós fajok borítása, kezelés, védettség, tápnövény borítottság mértéke	
2.5.5 Short term trend period	2001-2012	
2.5.6 Short term trend direction	stable (0)	
2.5.7 Long-term trend period	N/A	
2.5.8 Long term trend direction	56	
2.5.9 Area of suitable habitat (km <sup>2</sup> )		
2.5.10 Reason for change	Improved knowledge/more accurate data	
2.6 Main Pressures		
Pressure	ranking	pollution qualifier(s)
large scale water deviation (J02.03.01)	high importance (H)	N/A
species composition change (succession) (K02.01)	high importance (H)	N/A
Drying out (K01.03)	high importance (H)	N/A
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
mowing / cutting of grassland (A03)	high importance (H)	N/A
2.6.1 Method used – pressures	based exclusively or to a larger extent on real data from sites/occurrences or other sources	
2.7 Main Threats		
Threat	ranking	pollution qualifier(s)
large scale water deviation (J02.03.01)	high importance (H)	N/A
species composition change (succession) (K02.01)	high importance (H)	N/A
Drying out (K01.03)	high importance (H)	N/A
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

mowing / cutting of grassland (A03)	high importance (H)	N/A
Changes in abiotic conditions (M01)	medium importance (M)	N/A
2.7.1 Method used – threats	expert opinion (1)	
2.8 Complementary Information		
2.8.1 Justification of % thresholds for trends		
2.8.2 Other relevant Information	<p>A populációk egy részét mennyiségi mintavételel vizsgáljuk, a vizsgált populációkban egyedszámcsoökés tapasztalható. A kedvező állományméretet ez alapján gondoljuk nagyobbnak. Ugyanakkor a teljes hazai populációra egyedszám nem becsülhető, ezért lokalitást használtunk az állomány méret megadására.</p>	
2.8.3 Trans-boundary assessment		
2.9 Conclusions (assessment of conservation status at end of reporting period)		
2.9.1 Range	assessment Favourable (FV) qualifiers N/A	
2.9.2. Population	assessment Inadequate (U1) qualifiers declining (-)	
2.9.3. Habitat	assessment Inadequate (U1) qualifiers stable (=)	
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers declining (-)	
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)	
2.9.5 Overall trend in Conservation Status	declining (-)	

## 3. Natura 2000 coverage and conservation measures - Annex II species

### 3.1 Population

3.1.1 Population Size	Unit	number of localities (localities)
	min	68
	max	85
3.1.2 Method used	Estimate based on partial data with some extrapolation and/or modelling (2)	
3.1.3 Trend of population size within	N/A	

### 3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Adapting crop production (2.2)	Legal	high importance (H)	Inside	Maintain Enhance
Maintaining grasslands and other open habitats (2.1)	One-off	medium importance (M)	Inside	Enhance

**Térképmelléklet az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentéshez  
2013.**

**Sötét hangyaboglárka** (*Maculinea nausithous*)

II., IV. melléklet

