

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	1058
0.2.2 Species name	Maculinea arion
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	nagyfoltú 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 expert opinion with no or minimal sampling (1)
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)

2.2 Published sources

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

J. Bereczki, J. P. Tóth, A. Tóth, E. Bátori, K. Pecsénye & Z. Varga (2011): The genetic structure of phenologically differentiated Large Blue (*Maculinea arion*) populations (Lepidoptera: Lycaenidae) in the Carpathian Basin. – European Journal of Entomology. 108: 519–527

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 Órség - Goričko (ed. Ábrahám, L.). – Óriszentpéter, pp. 1-248.

2.3 Range

2.3.1 Surface area - Range (km ²)	8206
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	decrease (-)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) operator more than (>) unkown No method
2.3.10 Reason for change	Genuine Improved knowledge/more accurate dataUse of different method

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
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2.4.2 Population size (other than individuals)	Unit	number of localities (localities)		
	min	140	max	160
2.4.3 Additional information	Definition of locality	Egy lokalitás egy élőhelyfoltot jelöl.		
	Conversion method			
	Problems	Kis egyedszámú állományok, vagy egy-egy példány jelenléte. Az élőhelyfoltokon az eddig alkalmazott kvantitatív becslések nem alkalmazhatók.		
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				
2.4.11 Long term trend direction	N/A			
2.4.12 Long-term trend magnitude	min		max	confidence interval
2.4.13 Long-term trend method	N/A			
2.4.14 Favourable reference population	number			
	operator	much more than (>>)		
	unknown	No		
	method			
2.4.15 Reason for change	Genuine Improved knowledge/more accurate data Use of different method			

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	10		
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	Területhasználat – a dombvidéki gyepeken a legeltetés hiányából eredő cserjésedés, szukcesszió hátrányos a faj szempontjából. A hegylábi sztyepprétek minősége viszont jó.		
2.5.5 Short term trend period	2001-2012		
2.5.6 Short term trend direction	decrease (-)		
2.5.7 Long-term trend period			
2.5.8 Long term trend direction	N/A		
2.5.9 Area of suitable habitat (km ²)	25		
2.5.10 Reason for change	Genuine Improved knowledge/more accurate data Use of different method		

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
burning down (J01.01)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	high importance (H)	N/A
abandonment / lack of mowing (A03.03)	low importance (L)	N/A
invasive non-native species (I01)	medium importance (M)	N/A

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problematic native species (I02)	medium importance (M)	N/A
2.6.1 Method used – pressures	based exclusively or to a larger extent on real data from sites/occurrences or other	
2.7 Main Threats		
Threat	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
burning down (J01.01)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	high importance (H)	N/A
abandonment / lack of mowing (A03.03)	low importance (L)	N/A
invasive non-native species (I01)	high importance (H)	N/A
problematic native species (I02)	high importance (H)	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	Maculinea ligurica-t is beleértjük. Az állományok csökkenésére az állomány nagyság becslhetőségének nehézségei miatt közvetetten az élőhelyek minőségi romlásából és kiterjedésbeli csökkenéséből következettünk.	
2.8.3 Trans-boundary assessment		
2.9 Conclusions (assessment of conservation status at end of reporting period)		
2.9.1 Range	assessment Inadequate (U1) qualifiers declining (-)	
2.9.2. Population	assessment Bad (U2) qualifiers declining (-)	
2.9.3. Habitat	assessment Inadequate (U1) qualifiers declining (-)	
2.9.4. Future prospects	assessment Bad (U2) qualifiers declining (-)	
2.9.5 Overall assessment of Conservation Status	Bad (U2)	
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	N/A
	min	max
3.1.2 Method used	N/A	
3.1.3 Trend of population size within	N/A	

3.2 Conservation Measures

