

# 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	1065
0.2.2 Species name	<b>Euphydryas aurinia</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	lápi tarkalepke

## 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	<b>Pannonian (PAN)</b>
2.2 Published sources	A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentései ŐNPI - 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.). – Óriszentpéter, pp. 1-248

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	4347
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 <span style="float: right;">max</span>
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min <span style="float: right;">max</span>
2.3.9 Favourable reference range	area (km <sup>2</sup> ) operator <span style="float: right;">approximately equal to (≈)</span> unkown <span style="float: right;">No</span> method
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

### 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit <span style="float: right;">N/A</span> min <span style="float: right;">max</span>
2.4.2 Population size (other than individuals)	Unit <span style="float: right;">number of map 10x10 km grid cells (grids10x10)</span> min <span style="float: right;">27 <span style="margin-left: 20px;">max</span> 45</span>
2.4.3 Additional information	Definition of locality Conversion method Problems

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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	unknown (x)
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 more than (>) unknown No method
2.4.15 Reason for change	Improved knowledge/more accurate data

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	100
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	Szukesszió mértéke, kezelés, a láprétekhez kötődő altípus esetében a vízellátottság
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	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km <sup>2</sup> )	100
2.5.10 Reason for change	Improved knowledge/more accurate data

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	medium importance (M)	N/A
mowing / cutting of grassland (A03)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	high importance (H)	N/A
invasive non-native species (I01)	medium importance (M)	N/A
Changes in abiotic conditions (M01)	medium importance (M)	N/A
damage caused by game (excess population density) (F03.01.01)	low importance (L)	N/A
Biocenotic evolution, succession (K02)	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

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Threat	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	medium importance (M)	N/A
mowing / cutting of grassland (A03)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	high importance (H)	N/A
invasive non-native species (I01)	medium importance (M)	N/A
damage caused by game (excess population density) (F03.01.01)	low importance (L)	N/A
Changes in abiotic conditions (M01)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	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

A faj alapvetően két élőhelytípuson fordul elő, száraz réten (pusztafüves rétek) és a nedves réten (láprétek). A faj állománya a 90'-es években jelentős növekedést mutatott, az azóta tapasztalt csökkenés nem tekinthető trend szerű változásnak, sokkal inkább a klimatikus változásokhoz köthető (az elmúlt 10 év extrém száraznak tekinthető) természetes fluktuációnak. Ebből adódóan az állománynagyság változásának trendjére ismeretlen értéket adtunk.

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 unknown (x)

2.9.3. Habitat assessment Inadequate (U1)  
qualifiers stable (=)

2.9.4. Future prospects assessment Inadequate (U1)  
qualifiers unknown (x)

2.9.5 Overall assessment of Conservation Status Inadequate (U1)

2.9.5 Overall trend in Conservation Status unknown (x)

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

### 3.1 Population

3.1.1 Population Size Unit number of map 10x10 km grid cells (grids10x10)  
min 20 max 33

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

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3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Maintaining grasslands and other open habitats (2.1)	Legal Contractual Recurrent	high importance (H)	Both	Maintain Enhance Long term

