

# 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	1042
0.2.2 Species name	<i>Leucorrhinia pectoralis</i>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	lápi szitakötő

## 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)

### 2.2 Published sources

Huber, A. (2008): Adatok Északkelet-Magyarország szitakötő- (Odonata-) faunájához III. - Folia Historico Naturalia Musei Matrensis, 32: 93-102.

Tóth, S. (2010): A Dunántúli-dombság és környéke szitakötő faunája. – Natura Somogyiensis 16: 188.

Kovács T., Ambrus, A. (2012) A hajta mente szitakötő (odonata) faunája. Rosalia 7. pp. 373–384.

A Magyar Természettudományi Múzeum (szerk.) (2008): A madárvédelmi (79/409/EGK) és élőhelyvédelmi (92/43/EGK) irányelveknek megfelelő monitorozás előkészítése című Átmeneti Támogatás projekt (2006/018-176-02-01). Budapest, Zárójelentés, 1175 pp.

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

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	4798
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	
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 <sup>2</sup> ) operator approximately equal to (≈) unkown No method
2.3.10 Reason for change	Improved knowledge/more accurate data

### 2.4 Population

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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	50	max	60
2.4.3 Additional information	Definition of locality	Víztestek száma, ahol előfordul a faj.		
	Conversion method			
	Problems	Lárva nehezen, véletlenszerűen fogható, állomány elsősorban imágók és exuvium alapján kalibrálható.		
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	stable (0)			
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> )	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	mocsári mővényzet megléte, struktúrája, láposodó karakter megléte, stabil vízháztartás
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> )	10
2.5.10 Reason for change	Improved knowledge/more accurate data

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
pole fishing (F02.03.02)	medium importance (M)	N/A
other sport / leisure complexes (G02.10)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
Modification of hydrographic functioning, general (J02.05)	high importance (H)	N/A
Silting up (K01.02)	high importance (H)	N/A

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species composition change (succession) (K02.01)                      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

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
pole fishing (F02.03.02)	medium importance (M)	N/A
other sport / leisure complexes (G02.10)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
Modification of hydrographic functioning, general (J02.05)	high importance (H)	N/A
Silting up (K01.02)	high importance (H)	N/A
species composition change (succession) (K02.01)	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

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 stable (=)
2.9.3. Habitat	assessment Inadequate (U1) qualifiers stable (=)
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers stable (=)
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)
2.9.5 Overall trend in Conservation Status	stable (=)

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

### 3.1 Population

3.1.1 Population Size	Unit      number of localities (localities)
	min      42                      max      52
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
Other species management measures (7.0)	One-off	high importance (H)	Both	No effect
Regulation/ Management of fishery in limnic systems (7.2)	Administrative Recurrent	medium importance (M)	Inside	Maintain
Other wetland-related measures (4.0)	Contractual Recurrent	high importance (H)	Inside	Maintain Enhance Long term
Restoring/improving the hydrological regime (4.2)	Administrative Recurrent	high importance (H)	Inside	Enhance Long term
Restoring/improving water quality (4.1)	Administrative One-off	medium importance (M)	Inside	Enhance Long term

