

# 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	4011
0.2.2 Species name	<b>Bolbelasmus unicornis</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	szarvas álganéjtúró

## 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

A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentései  
 Szél Gy. & Kutasi Cs.: Bogarászati kutatások Csévharaszt és Vasad térségében (Coleoptera). (Coleopterological investigations in the vicinity of Csévharaszt and Vasad (Hungary).) – In: Veró Gy. (ed.): Természetvédelem és kutatás a Duna–Tisza közti homokhátságon. Tanulmánygyűjtemény. (Nature conservation and research on the Sandridge of the Danube–Tisza Interfluve.) Rosalia (A Duna-Ipoly Nemzeti Park Igazgatóság tanulmánykötetei, 6.) Duna-Ipoly Nemzeti Park Igazgatóság, Budapest, pp. 303–351.  
 Nádai, L. (2006): A Bolboceratinae alcsalád magyarországi fajainak lelőhelyadatai (Coleoptera, Scarabaeoidea: Geotrupidae). - Folia Hist.-nat. Mus. Matrensis, 30: 205-210. (megjegyzés: a forrás 2007 előtti adatot tartalmaz) –ANPI; BFNPI; DINPI

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	2846,48
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 N/A unkown Yes method
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
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2.4.2 Population size (other than individuals)	Unit	number of map 10x10 km grid cells (grids10x10)
	min	25
	max	25
2.4.3 Additional information	Definition of locality	
	Conversion method	
	Problems	A szarvas álganjtúró a legnehezebben detektálható és monitorozható Natura 2000 jelölőfaj. Legtöbb egyedét véletlenül gyűjtötték, leginkább esti lámpázással, ami a pontos élőhely megállapítását nem teszi lehetővé. A faj egyedszáma mindenütt alacsony. A 10x10 gridek száma a faj jelenlétét jelzi az adott négyzetekben.
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	N/A
	unknown	Yes
	method	
2.4.15 Reason for change		Improved knowledge/more accurate data
<b>2.5 Habitat for the Species</b>		
2.5.1 Surface area - Habitat (km <sup>2</sup> )		2646,5
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		Good
2.5.4 b) Quality of habitat - method		Az élőhelyével szamben nem túl igényes, a gombapartner megléte szükséges. A föld alatti gombák rontott vagy degradált élőhelyen is előfordulnak. Nincs kifejezett veszélyeztető tényezője.
2.5.5 Short term trend period		2001-2012
2.5.6 Short term trend direction		unknown (x)
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> )		5000
2.5.10 Reason for change		Improved knowledge/more accurate data
<b>2.6 Main Pressures</b>		

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Pressure	ranking	pollution qualifier(s)
agricultural intensification (A02.01)	low importance (L)	N/A
grassland removal for arable land (A02.03)	low importance (L)	N/A
invasive non-native species (I01)	low importance (L)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	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)
agricultural intensification (A02.01)	low importance (L)	N/A
grassland removal for arable land (A02.03)	low importance (L)	N/A
invasive non-native species (I01)	low importance (L)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	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 szarvas álganéjtűró lelőhelyadatainak száma a 2007–2012 időszakban növekedett. Mintavételezése nagyon nehéz, mivel az imágó rövid ideig tartózkodik a földfelszín felett. Alkonyatkor és este aránylag alacsonyan, nagyon rövid ideig –15–30 percig – rajzik. Célzottan is nagyon nehéz keresni; legtöbb adata véletlenül került elő.

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 unknown (x)

2.9.2. Population assessment Inadequate (U1)  
qualifiers unknown (x)

2.9.3. Habitat assessment Inadequate (U1)  
qualifiers unknown (x)

2.9.4. Future prospects assessment Favourable (FV)  
qualifiers N/A

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 21 max 21

3.1.2 Method used Estimate based on partial data with some extrapolation and/or modelling (2)

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3.1.3 Trend of population size within N/A

## 3.2 Conservation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Restoring/improving forest habitats (3.1)	Contractual One-off	medium importance (M)	Inside	Maintain Enhance
Adapt forest management (3.2)	Administrative Contractual Recurrent	medium importance (M)	Both	Maintain Enhance Long term

