

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	1082
0.2.2 Species name	Graphoderus bilineatus
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	széles tavicsíkbogár

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

Kálmán Z., Boda R., Kálmán A., Ortmann-Ajkai A., Soós N. & Csabai Z. 2011: Contribution to the aquatic Coleoptera (Hydradephaga, Hydrophiloidea, Dryopidae) and Heteroptera (Gerromorpha, Nepomorpha) fauna of Dráva Plain, SW Hungary. – Acta Biologica Debrecina Supplementum Oecologica Hungarica 26: 117–134. Online: http://www.mavige.hu/dokument/8kotet/mavige8_11_kalmanz_en.pdf

Kálmán Z., Soós N., Kálmán A. & Csabai Z. 2008: Contribution to the aquatic coleoptera and heteroptera fauna of Upper-Tisza region (Coleoptera: Hydradephaga, Hydrophiloidea; Heteroptera: Gerromorpha, Nepomorpha). – Acta Biologica Debrecina Supplementum Oecologica Hungarica 18: 73–82. Online: http://www.mavige.hu/dokument/5kotet/mavige5_08_kalmanzetal.pdf

Soós N., Kálmán Z. & Csabai Z. 2008: Contribution to the aquatic Coleoptera and Heteroptera fauna of Bodroghöz, NE Hungary (Coleoptera: Hydradephaga, Hydrophiloidea; Heteroptera: Gerromorpha, Nepomorpha). – Acta Biologica Debrecina Supplementum Oecologica Hungarica 18: 219–230. Online: http://www.mavige.hu/dokument/5kotet/mavige5_20_soosetal.pdf

2.3 Range

2.3.1 Surface area - Range (km ²)	2419
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 ²) operator approximately equal to (≈) unkown No method
2.3.10 Reason for change	Improved knowledge/more accurate data

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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	20	max	24
2.4.3 Additional information	Definition of locality	A vízterek száma, ahonnan előkerült a faj.		
	Conversion method			
	Problems	A széles tavicsíkbogár esetében állománybecslésre alkalmas, megbízható mennyiségi mintavételi módszer nem ismert, jelenléte azonban könnyen kimutatható. Egyedszáma rendkívüli mértékben ingadozik.		
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	approximately equal to (≈)		
	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 ²)	6
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	A holtágak, állóvizek vízháztartása (állandó vízborítás, rendszeres elöntés), szukcessziós állapota, hínárnövényzet struktúrája.
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 ²)	6
2.5.10 Reason for change	Improved knowledge/more accurate data

2.6 Main Pressures

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Pressure	ranking	pollution qualifier(s)
diffuse pollution to surface waters due to agricultural and forestry activities (H01.05)	low importance (L)	N/A
Other human induced changes in hydraulic conditions (J02.15)	low importance (L)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	low importance (L)	N/A
Drying out (K01.03)	low importance (L)	N/A
lack of flooding (J02.04.02)	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)
diffuse pollution to surface waters due to agricultural and forestry activities (H01.05)	low importance (L)	N/A
Other human induced changes in hydraulic conditions (J02.15)	low importance (L)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	low importance (L)	N/A
Drying out (K01.03)	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 széles tavicsíkbogár mintavételezése aránylag könnyű. Állományméret-becslésre egyetlen lokalitáson került sor (fogás-jelölés-visszafogás révén), de ezt a szerzők sem tartják megbízhatónak. Egyedszáma rendkívüli mértékben ingadozik.

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 Favourable (FV)
qualifiers N/A

2.9.3. Habitat assessment Favourable (FV)
qualifiers N/A

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

2.9.5 Overall assessment of Conservation Status Favourable (FV)

2.9.5 Overall trend in Conservation Status N/A

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

3.1 Population

3.1.1 Population Size Unit number of localities (localities)
min 17 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
Other species management measures (7.0)	Recurrent	medium importance (M)	Both	Long term

