

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	1079
0.2.2 Species name	<i>Limoniscus violaceus</i>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	kék pattanóbogár

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

2.2 Published sources

Pannonian (PAN)

Goux N., Mertlik J., Jarzabek-Müller A., Németh T. & Brustel H. 2012: Known status of the endangered western Palaearctic violet click beetle (*Limoniscus violaceus*) (Coleoptera). – *Journal of Natural History* 46: 769–802.

Kovács T., Magos G. & Urbán L. 2009: Ritka és természetvédelmi szempontból jelentős rovarok (Insecta) a Mátra és Tarnavidék területéről. – *Folia Historico Naturalia Musei Matraensis* 33: 211–222. Online: http://www.matramuzeum.hu/e107_files/public/docrep/18_Kovacs_Tarnavidek.pdf

Kovács T., Magos G. & Urbán L. 2010: Ritka és természetvédelmi szempontból jelentős rovarok (Insecta) a Mátra és Tarnavidék területéről II. – *Folia Historico Naturalia Musei Matraensis* 34: 221–222. Online: http://www.matramuzeum.hu/e107_files/public/docrep/vol.34._2010/16_Kovacs_Ritka_rovarok.pdf

Merkl O. 2010: A Naszály bogárfaunája (Coleoptera). Pp. 533–639. – In: Pintér B. & Tímár G. (szerk.): A Naszály természetrajza. Tanulmánygyűjtemény. Rosalia (A Duna-Ipoly Nemzeti Park Igazgatóság tanulmánykötetei, 5.) Duna-Ipoly Nemzeti Park Igazgatóság, Budapest, 817 pp.

Németh T. & Merkl O. 2009: Rare saproxylic click beetles in Hungary: distributional records and notes on life history (Coleoptera: Elateridae). – *Folia entomologica hungarica* 70: 95-137.

Magyar Természettudományi Múzeum (szerk) (2008) : A madárvédelmi (79/409/EGK) és az élőhelyvédelmi (92/43/EGK) irányelveknek megfelelő monitorozás előkészítése című projekt (2006/018-176-02-01), Zárójelentés, pp 1178

2.3 Range

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2.3.1 Surface area - Range (km ²)	2557,05
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	increase (+)
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 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
2.4.2 Population size (other than individuals)	Unit number of map 10x10 km grid cells (grids10x10) min 26 max 26
2.4.3 Additional information	Definition of locality Conversion method Problems A kék pattanó mintavételezése az élőhelyre nézve destruktív, ezért egyedszáma nem becsülhető. A faj egyedszáma mindenütt alacsony, és mintavételezése nehéz. 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

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	260
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	erdőgazdálkodás, alkalmas fák száma és annak változása, védettség

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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 ²)	1000
2.5.10 Reason for change	Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
forest replanting (native trees) (B02.01.01)	medium importance (M)	N/A
forest replanting (non native trees) (B02.01.02)	medium importance (M)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A
removal of dead and dying trees (B02.04)	high importance (H)	N/A
forest exploitation without replanting or natural regrowth (B03)	medium importance (M)	N/A
Forestry activities not referred to above (B07)	high importance (H)	N/A
damage caused by game (excess population density) (F03.01.01)	medium importance (M)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	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)
forest replanting (native trees) (B02.01.01)	medium importance (M)	N/A
forest replanting (non native trees) (B02.01.02)	medium importance (M)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A
removal of dead and dying trees (B02.04)	high importance (H)	N/A
forest exploitation without replanting or natural regrowth (B03)	medium importance (M)	N/A
Forestry activities not referred to above (B07)	high importance (H)	N/A
damage caused by game (excess population density) (F03.01.01)	medium importance (M)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	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 kék pattanó lelőhelyadatainak száma a 2007–2012 időszakban látványosan növekedett. Ennek oka kizárólag az, hogy Natura 2000 fajként jelentős figyelem irányult rá, illetve fény derült az életmódjára, élőhelypreferenciájára és mintavételezésének módjára.

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

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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 declining (-)
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	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	14
	max	14
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

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Adapt forest management (3.2)	Administrative One-off	high importance (H)	Inside	Maintain Enhance Long term

