

# 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	4059
0.2.2 Species name	<b>Hygromia kovacsi</b>
0.2.3 Alternative species scientific name	Kovacsia kovacsi
0.2.4 Common name	dobozi pikkelyescsiga

## 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

FEHÉR Z., VARGA A, DELI T., DOMOKOS T., SZABÓ K., BOZZÓ M., PÉNZES ZS. (2007): Filogenetikai vizsgálatok védett puhatestűeken. In: FORRÓ L. (szerk.) A Kárpát-medence állatvilágának kialakulása: A Kárpát-medence állattani értékei és faunájának kialakulása. Magyar Természettudományi Múzeum, Budapest, pp. 183-200.

FEHÉR, Z., VARGA, A., DELI, T., DOMOKOS, T. (2009a): Geographic distribution and genital morphology of the genera *Lozekia* Hudec, 1970 and *Kovacsia* Nordsieck, 1993 (Mollusca: Gastropoda: Hygromiidae). *Zoosystematics and Evolution* 85(1): 151-160.

FEHÉR, Z., SZABÓ, K., BOZSÓ, M., PÉNZES, ZS. (2009b): Phylogeny and phylogeography of the *Lozekia*–*Kovacsia* species group (Gastropoda: Hygromiidae). *Journal of Zoological Systematics and Evolutionary Research* 47: 306-314.

FARKAS R., FEHÉR Z. (in press) A dobozi pikkelyescsiga [*Kovacsia kovacsi* (VARGA & PINTÉR, 1972)] elterjedésének vizsgálata a Zempléni-hegységben. *Állattani Közlemények*, pp: 10.

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

### 2.3 Range

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2.3.1 Surface area - Range (km <sup>2</sup> )	1731
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 (≈) unknown No 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 18 max 18
2.4.3 Additional information	Definition of locality Conversion method Problems
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 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 <sup>2</sup> )	65
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	az árnyaló állományként szolgáló erdőállományok szerkezeti jellemzői, aljnövényzet sűrűsége, az erdők kezelése, vízháztartása
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	stable (0)

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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> )	65
2.5.10 Reason for change	Improved knowledge/more accurate data

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Forest and Plantation management & use (B02)	high importance (H)	N/A
Landfill, land reclamation and drying out, general (J02.01)	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)
Forest and Plantation management & use (B02)	high importance (H)	N/A
Landfill, land reclamation and drying out, general (J02.01)	high importance (H)	N/A

2.7.1 Method used – threats modelling (2)

## 2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information A Lozekia-Kovacsia fajcsoport morfológiai és genetikai revíziója során bizonyították, hogy a korábban Lozekia-ként ismert populáció az Aggtelek és Zemplén területén valójában a Hygromia kovacsi fajhoz tartozik.

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 map 10x10 km grid cells (grids10x10) min 10 max 12
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

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## 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
Other species management measures (7.0)	One-off	medium importance (M)	Both	Long term
Adapt forest management (3.2)	Legal Recurrent	low importance (L)	Inside	Maintain

