

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	4004
0.2.2 Species name	Microtus oeconomus mehelyi
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	északi pocok

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	2001-2012
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

Lanszki J., Rozner Gy. (2007):Kisemlősök vizsgálata, különös tekintettel az északi pocok (*Microtus oeconomus* ssp. *mehelyi* Éhik, 1928) elterjedésére a Balatoni Nagyberekben. *Natura Somogyiensis*. 10. pp.: 365-372.

Gubányi A. (2007): Északi pocok. in.: Bihari Z., Csorba G., Heltai M. (ed.): Magyarország emlőseinek atlasza: Kossuth Kiadó. Budapest. pp.: 164-165.

Gubányi A., Horváth Gy., Gubányi Cs.: (2008): A *Microtus oeconomus* populációk dinamikája az NBmR eredményei tükrében. Kézirat. p. 23.

Mátics R. (2008): Az északi pocok (*Microtus oeconomus*, Pallas 1776) újabb lelőhelye és a fragmentáció lehetséges története Magyarországon. *Természetvédelmi közlemények*.14.pp. : 131-133.

2.3 Range

2.3.1 Surface area - Range (km ²)	5132
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 more than (>) unkown No method
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

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 map 10x10 km grid cells (grids10x10)		
	min	26	max	26
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems	Évről évre erősen fluktuáló állomány, nehéz a hosszútávú tendencia becslése. Mivel egy nagyon szűk, litorális élőhelyzónát követ az állomány, annak mindenkori elhelyezkedése a vízjárás függvénye. Nagyon nehezen monitorozható faj.		
2.4.4 Year or period		2001-2012		
2.4.5 Method – population size		Estimate based on expert opinion with no or minimal sampling (1)		
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		Absent data (0)		
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 ²)		2401
2.5.2 Year or period		2007-2012
2.5.3 Method used - habitat		Estimate based on expert opinion with no or minimal sampling (1)
2.5.4 a) Quality of habitat		Moderate
2.5.4 b) Quality of habitat - method		Nagyon érzékeny az a szűk vízközeli sáv, amelyben jól érzi magát. Káros hatásokra nagyon érzékeny (kiszáradás, vizesedés, beszántás, építkezés stb.)
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)		0
2.5.10 Reason for change		

2.6 Main Pressures

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Pressure	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	high importance (H)	N/A
intensive mowing or intensification (A03.01)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	medium importance (M)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Canalisation & water deviation (J02.03)	medium importance (M)	N/A
inundation (natural processes) (L08)	high importance (H)	N/A
modifying structures of inland water courses (J02.05.02)	high importance (H)	N/A
flooding (J02.04.01)	medium importance (M)	N/A
problematic native species (I02)	medium importance (M)	N/A

2.6.1 Method used – pressures based only on expert judgements (1)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	high importance (H)	N/A
intensive mowing or intensification (A03.01)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	medium importance (M)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Canalisation & water deviation (J02.03)	medium importance (M)	N/A
inundation (natural processes) (L08)	high importance (H)	N/A
modifying structures of inland water courses (J02.05.02)	high importance (H)	N/A
flooding (J02.04.01)	medium importance (M)	N/A
problematic native species (I02)	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

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 stable (=)

2.9.2. Population assessment Unknown (XX)
qualifiers N/A

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 declining (-)

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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	16	max	16
3.1.2 Method used	Absent data (0)			
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
Restoring/improving the hydrological regime (4.2)	Administrative	high importance (H)	Both	Maintain
Maintaining grasslands and other open habitats (2.1)	Legal Administrative	high importance (H)	Both	Maintain Long term
Other spatial measures (6.0)	Legal Administrative Recurrent	high importance (H)	Both	Long term
Other species management measures (7.0)	Administrative Contractual Recurrent	medium importance (M)	Inside	Long term

