

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	1091
0.2.2 Species name	Astacus astacus
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	folyami rák

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

Szepesi Zs., Harka Á. (2011): Adatok a tízlábú rákok (Decapoda) magyarországi előfordulásáról, különös tekintettel a cifrarák (*Orconestes limosus*) terjedésére. - *Folia hist. Nat. Mus. Matrensis*, 35: 15-20

Szekeres, J. – Csányi, B. 2010: A Burnót-patak vízrendszerének szezonális vizsgálata a vízi gerinctelen makrofauna alapján – *Acta Biologica Debrecina, Supplementum Oecologica Hungarica* 21: 189–196.

Móra A. – Boda P. – Csabai Z. – Cser B. – Deák Cs. – Hornyák A. – Jakab T. – Kálmán Z. – Kecső K. – Kovács T.Z. – Papp L. – Polyák L. – Soós N. 2008: A Zala és befolyói makroszkopikus gerinctelen faunája. – *Acta biologica debrecina Supplementum oecologica hungarica* 18: 123–180.

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

2.3 Range

2.3.1 Surface area - Range (km ²)	5219
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	decrease (-)
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 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 localities (localities)		
	min	60	max	70
2.4.3 Additional information	Definition of locality	Víztestek száma ahol előfordul a faj		
	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		decrease (-)		
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	more than (>)		
	unknown	No		
	method			
2.4.15 Reason for change		Genuine Improved knowledge/more accurate data		

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	1,6
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	meder és vízáramlási viszonyok természetessége, vízminőség (szennyezés), vízparti vegetáció
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	decrease (-)
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)	3
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
forestry clearance (B02.02)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
reduction or loss of specific habitat features (J03.01)	medium importance (M)	N/A
Dykes, embankments, artificial beaches, general (J02.12)	medium importance (M)	N/A
Drying out (K01.03)	low importance (L)	N/A
introduction of disease (microbial pathogens) (K03.03)	high importance (H)	N/A
antagonism arising from introduction of species (K03.05)	high importance (H)	N/A

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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
forestry clearance (B02.02)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
Dykes, embankments, artificial beaches, general (J02.12)	medium importance (M)	N/A
Drying out (K01.03)	low importance (L)	N/A
introduction of disease (microbial pathogens) (K03.03)	high importance (H)	N/A
antagonism arising from introduction of species (K03.05)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	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 faj állománya stabil lehet, a legfőbb veszélyeztető tényező az inváziós faj jelenléte és gyors ütemű terjedése.

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 declining (-)

2.9.2. Population assessment Inadequate (U1)
qualifiers declining (-)

2.9.3. Habitat assessment Inadequate (U1)
qualifiers stable (=)

2.9.4. Future prospects assessment Inadequate (U1)
qualifiers declining (-)

2.9.5 Overall assessment of Conservation Status Inadequate (U1)

2.9.5 Overall trend in Conservation Status declining (-)

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

3.1 Population

3.1.1 Population Size Unit N/A
min max

3.1.2 Method used N/A

3.1.3 Trend of population size within N/A

3.2 Conversation Measures

