

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	GR
0.2.1 Species code	5095
0.2.2 Species name	<b>Barbus prespensis</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Briana Prespas

## 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

#### Mediterranean (MED)

### 2.2 Published sources

Κατσαδωράκης, Γ., Μαλάκου, Μ. & Crivelli, A.J. (1996). Η μπράνα των Πρεσπών, *Barbus prespensis*, Karaman 1924, στη λεκάνη των Πρεσπών, βορειοδυτική Ελλάδα. Έκδοση του Tour du Valat, Arles 79 σελ. (Αγγλική έκδοση είναι επίσης διαθέσιμη από τον ίδιο οίκο).

Crivelli, A.J., Malakou, M., Catsadorakis, G., & Rosecchi E. (1996). The Prespa barbell, *Barbus prespensis*, a fish species endemic to the Prespa lakes (North-Western Greece). *Folia Zool.*, 45 (1): 21-32. 3).

Economidis, P.S. & Daoulas, C. (2003). *Barbus prespensis* (Karaman, 1924). In: The Freshwater Fishes of Europe, Vol. 5/II: Cyprinidae 2, Part II: *Barbus*, (Banarescu, P. & Bogutskaya, N. eds.). Wiebelsheim: Aula-Verlag GmbH.

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	3100
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 (≈) unkown No method Basic assumption: Favourable Reference Range = Surface Area Range (current range)

### 2.3.10 Reason for change

## 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	31	max	31
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems	Most data are described as semi-quantitative or qualitative. Few quantitative data. Too much variability between existing samples, especially between different river basins, making it difficult to extrapolate a number or a class for reporting population unit.		
2.4.4 Year or period		2006-2012		
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	Basic assumption: Favourable Reference Population = value extracted from Range Map		

## 2.4.15 Reason for change

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )		3100
2.5.2 Year or period		2006-2012
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		Unknown
2.5.4 b) Quality of habitat - method		Based on partial data with some extrapolation and expert judgment.
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 <sup>2</sup> )		0
2.5.10 Reason for change		

## 2.6 Main Pressures

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Pressure	ranking	pollution qualifier(s)
Discharges (E03)	low importance (L)	N/A
surface water abstractions for agriculture (J02.06.01)	high importance (H)	N/A
Fishing and harvesting aquatic resources (F02)	low importance (L)	N/A
invasive non-native species (I01)	low importance (L)	N/A
modifying structures of inland water courses (J02.05.02)	low importance (L)	N/A

2.6.1 Method used – pressures mainly based on expert judgement and other data (2)

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Discharges (E03)	low importance (L)	N/A
surface water abstractions for agriculture (J02.06.01)	high importance (H)	N/A
Fishing and harvesting aquatic resources (F02)	low importance (L)	N/A
invasive non-native species (I01)	low importance (L)	N/A
modifying structures of inland water courses (J02.05.02)	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

The % threshold could not be used for the assessment since: a) a different method for assessing range was employed, compared to the 2nd Reporting

- The species includes populations from the Aaos drainage in Epirus which are in good condition and widespread in the tributaries and mainstem. However, populations in the Prespa basin have locally declined due to anthropogenic pressures.
- Basic Assumptions:
  - "Surface Area Range" (field 2.3.1) = value extracted from "Range Map" (field 1.1.5).
  - "Favourable Reference Range" (field 2.3.9a) = a) "Surface Area Range" (field 2.3.1) OR b) value extracted from "Additional Reference Range Map" (provided). Depends on whether the Favourable range is equal or larger than actual species range.
  - "Population Size" (field 2.4.2) = value extracted from "Distribution Map" (field 1.1.1) or "Additional Distribution Map" (field 1.1.4) (when provided).
  - "Favourable Reference Population" (field 2.4.14) = a) "Population Size" (field 2.4.2) OR b) value extracted from "Additional Reference Range Map" (provided). Depends on whether the Favourable population is equal or larger than actual species population.
  - Habitat "Area Estimation" (field 2.5.1) = "Distribution Map" (field 1.1.1) or "Additional Distribution Map" (field 1.1.4) (when provided).

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 Unknown (XX) qualifiers N/A

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2.9.4. Future prospects	assessment Inadequate (U1) qualifiers unknown (x)
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	27
	max	27
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	unknown (x)	

### 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
Establish protected areas/sites (6.1)	Legal Administrative One-off	medium importance (M)	Inside	Enhance Long term