

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

NATIONAL LEVEL

1. General information

1.1 Member State	GR
1.2 Species code	5095
1.3 Species scientific name	Barbus prespensis
1.4 Alternative species scientific name	
1.5 Common name (in national language)	Briana Prespas

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2015
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on extrapolation from a limited amount of data
2.5 Additional maps	Yes

3. Information related to Annex V Species (Art. 14)

3.1 Is the species taken in the wild/exploited?	Yes	
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	No
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	No
	c) regulation of the periods and/or methods of taking specimens	Yes
	d) application of hunting and fishing rules which take account of the conservation of such populations	Yes
	e) establishment of a system of licences for taking specimens or of quotas	No
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	No
	g) breeding in captivity of animal species as well as artificial propagation of plant species	No
	h) other measures	No

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

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)

a) Unit

b) Statistics/ quantity taken	Provide statistics/quantity per hunting season or per year (where season is not used) over the reporting period					
	Season/ year 1	Season/ year 2	Season/ year 3	Season/ year 4	Season/ year 5	Season/ year 6
Min. (raw, ie. not rounded)						
Max. (raw, ie. not rounded)						
Unknown	No	No	No	No	No	No

3.4. Hunting bag or quantity taken in the wild Method used

3.5. Additional information

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

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.

5. Range

5.1 Surface area

3100

5.2 Short-term trend Period

2007-2018

5.3 Short-term trend Direction

Stable (0)

5.4 Short-term trend Magnitude

a) Minimum

b) Maximum

5.5 Short-term trend Method used

Based mainly on extrapolation from a limited amount of data

5.6 Long-term trend Period

5.7 Long-term trend Direction

5.8 Long-term trend Magnitude

a) Minimum

b) Maximum

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

5.9 Long-term trend Method used

5.10 Favourable reference range

- a) Area (km²)
- b) Operator
- c) Unknown
- d) Method

Approximately equal to (≈)

Basic assumption: Favourable Reference Range = Surface Area Range (current range)

5.11 Change and reason for change in surface area of range

No change

The change is mainly due to:

5.12 Additional information

6. Population

6.1 Year or period

2015

6.2 Population size (in reporting unit)

- a) Unit
- b) Minimum
- c) Maximum
- d) Best single value

number of map 10x10 km grid cells (grids10x10)

31

6.3 Type of estimate

Best estimate

6.4 Additional population size (using population unit other than reporting unit)

- a) Unit
- b) Minimum
- c) Maximum
- d) Best single value

6.5 Type of estimate

6.6 Population size Method used

Based mainly on extrapolation from a limited amount of data

6.7 Short-term trend Period

2007-2018

6.8 Short-term trend Direction

Decreasing (-)

6.9 Short-term trend Magnitude

- a) Minimum
- b) Maximum
- c) Confidence interval

6.10 Short-term trend Method used

Based mainly on extrapolation from a limited amount of data

6.11 Long-term trend Period

6.12 Long-term trend Direction

6.13 Long-term trend Magnitude

- a) Minimum
- b) Maximum
- c) Confidence interval

6.14 Long-term trend Method used

6.15 Favourable reference population (using the unit in 6.2 or 6.4)

- a) Population size
- b) Operator
- c) Unknown

Approximately equal to (≈)

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

d) Method

Basic assumption: Favourable Reference Population = value extracted from Range Map

6.16 Change and reason for change in population size

No change

The change is mainly due to:

6.17 Additional information

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.

7. Habitat for the species

7.1 Sufficiency of area and quality of occupied habitat

a) Are area and quality of occupied habitat sufficient (for long-term survival)?

Unknown

b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)?

7.2 Sufficiency of area and quality of occupied habitat Method used

Insufficient or no data available

7.3 Short-term trend Period

2007-2018

7.4 Short-term trend Direction

Unknown (x)

7.5 Short-term trend Method used

Insufficient or no data available

7.6 Long-term trend Period

7.7 Long-term trend Direction

7.8 Long-term trend Method used

7.9 Additional information

The surface area of the habitat is estimated at 3100 km² and its quality is unknown.

8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Application of synthetic (mineral) fertilisers on agricultural land (A20)	M
Agricultural activities generating diffuse pollution to surface or ground waters (A26)	H
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Freshwater fish and shellfish harvesting (recreational) (G06)	H
Other invasive alien species (other than species of Union concern) (I02)	H
Modification of hydrological flow (K04)	H
Threats and pressures from outside the EU territory (Xe)	M

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

Active abstractions from groundwater, surface water or mixed water for agriculture (A30)

Threat	Ranking
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02)	M
Application of synthetic (mineral) fertilisers on agricultural land (A20)	H
Agricultural activities generating diffuse pollution to surface or ground waters (A26)	H
Freshwater fish and shellfish harvesting (recreational) (G06)	H
Other invasive alien species (other than species of Union concern) (I02)	H
Modification of hydrological flow (K04)	M
Droughts and decreases in precipitation due to climate change (N02)	M
Threats and pressures from outside the EU territory (Xe)	M
Active abstractions from groundwater, surface water or mixed water for agriculture (A30)	H

8.2 Sources of information

PRESSURES: Mainly based on expert judgement and other data.
THREATS: Based on expert opinion.

8.3 Additional information

9. Conservation measures

9.1 Status of measures

- a) Are measures needed? Yes
- b) Indicate the status of measures Measures identified and taken

9.2 Main purpose of the measures taken

Maintain the current range, population and/or habitat for the species

9.3 Location of the measures taken

Only inside Natura 2000

9.4 Response to the measures

Medium-term results (within the next two reporting periods, 2019-2030)

9.5 List of main conservation measures

Habitat restoration of areas impacted by transport (CE06)

Prevent conversion of natural and semi-natural habitats, and habitats of species into agricultural land (CA01)

Reduce diffuse pollution to surface or ground waters from agricultural activities (CA11)

Manage the use of natural fertilisers and chemicals in agricultural (plant and animal) production (CA09)

Management of hunting, recreational fishing and recreational or commercial harvesting or collection of plants (CG02)

Management, control or eradication of other invasive alien species (CI03)

Restore habitats impacted by multi-purpose hydrological changes (CJ03)

Support conservation measures in countries outside the EU (CX02)

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

Implement climate change adaptation measures (CN02)

Manage drainage and irrigation operations and infrastructures in agriculture (CA15)

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters	a) Range	Good
	b) Population	Poor
	c) Habitat of the species	Poor

10.2 Additional information

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unfavourable - Inadequate (U1)
11.3. Habitat for the species	Unfavourable - Inadequate (U1)
11.4. Future prospects	Unfavourable - Inadequate (U1)
11.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
11.6 Overall trend in Conservation Status	Unknown (x)
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status No change The change is mainly due to: b) Overall trend in conservation status No change The change is mainly due to:
11.8 Additional information	

12. Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species

12.1 Population size inside the pSCIs, SCIs and SACs network (on the biogeographical/marine level including all sites where the species is present)	a) Unit	number of map 10x10 km grid cells (grids10x10)
	b) Minimum	
	c) Maximum	
	d) Best single value	27
12.2 Type of estimate	Best estimate	
12.3 Population size inside the network Method used	Based mainly on extrapolation from a limited amount of data	
12.4 Short-term trend of population size within the network Direction	Unknown (x)	

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

12.5 Short-term trend of population size within the network Method used

Insufficient or no data available

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

The % threshold could not be used for the assessment since: a) a different method for assessing range was employed, compared to the 2nd Reporting Period or b) no data were reported in the 2nd Reporting Period

13.2 Trans-boundary assessment

13.3 Other relevant Information

1. 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.

2. Basic Assumptions:

i) "Surface Area Range" (field 5.1) = value extracted from "Range Map" (field 2.5).

ii) "Favourable Reference Range" (field 5.10a) = a) "Surface Area Range" (field 5.1) OR b) value extracted from "Additional Reference Range Map" (provided). Depends on whether the Favourable range is equal or larger than actual species range.

iii) "Population Size" (field 6.2 or 6.4) = value extracted from "Distribution Map" (field 2.3) or "Additional Distribution Map" (field 2.5) (when provided).

iv) "Favourable Reference Population" (field 6.15a) = a) "Population Size" (field 6.2 or 6.4) OR b) value extracted from "Additional Reference Range Map" (provided). Depends on whether the Favourable population is equal or larger than actual species population.

v) Habitat "Area Estimation" (field 7.9) = "Distribution Map" (field 2.3) or "Additional Distribution Map" (field 2.5) (when provided).