

# 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	5311
0.2.2 Species name	<b>Cobitis puncticulata</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Stiktovelonitsa

## 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	Yes
1.1.5 Range map	Yes

## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

#### Mediterranean (MED)

### 2.2 Published sources

Freyhof, J., Stelbrink, B., Özuluğ, M. & Economidis, P.S. 2008. The first record of *Cobitis puncticulata* from Europe with comments on its conservation status (Teleostei: Cobitidae). *Folia Zoologica* 57: 16–19.

Ekemkçi, F.G., Kirankaya, S.G. and Turan, D. (2010) Threatened Fishes of the World, *Cobitis puncticulata* (Erk'akan, Atalay-Ekmekçi & Nalbant, 1998) (Cobitidae). *Environmental Biology of Fishes*, 87: 217-218.

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	10
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

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 1x1 km grid cells (grids1x1) min 10 max 10
2.4.3 Additional information	Definition of locality

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	Conversion method	Problems
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	unknown (x)	
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 Additional Range Map
2.4.15 Reason for change		

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	10
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	Bad
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

Pressure	ranking	pollution qualifier(s)
sand and gravel quarries (C01.01.01)	high importance (H)	N/A
large scale water deviation (J02.03.01)	medium importance (M)	N/A
modifying structures of inland water courses (J02.05.02)	low importance (L)	N/A
reduction or loss of specific habitat features (J03.01)	high importance (H)	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)
sand and gravel quarries (C01.01.01)	high importance (H)	N/A
large scale water deviation (J02.03.01)	low importance (L)	N/A
modifying structures of inland water courses (J02.05.02)	low importance (L)	N/A
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A

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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

1. The presence of the species in Greece was first time recorded by Freyhof et al. (2008), only in a small stream at the village Lyra running to the lower river Evros. This particular stream is heavily modified due to the construction of a National Road and the population of the species is under pressure, so the quality of the Habitat (2.5.4) is designated as Bad.
2. Basic Assumptions:
  - i) "Surface Area Range" (field 2.3.1) = value extracted from "Range Map" (field 1.1.5).
  - ii) "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.
  - iii) "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).
  - iv) "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.
  - v) Habitat "Area Estimation" (field 2.5.1) = "Distribution Map" (field 1.1.1) or "Additional Distribution Map" (field 1.1.4) (when provided).
3. Population assessment took into account, besides Favourable Reference Population (grid), population structure and reproduction trends. In several samplings (4 samplings since 2006), only very few mature specimens were sampled.

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 Unknown (XX)  
qualifiers N/A

2.9.3. Habitat assessment Bad (U2)  
qualifiers unknown (x)

2.9.4. Future prospects assessment Bad (U2)  
qualifiers unknown (x)

2.9.5 Overall assessment of Conservation Status Bad (U2)

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 1x1 km grid cells (grids1x1)

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min 4 max 4

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	stable (0)

## 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