

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	1144
0.2.2 Species name	Cobitis trichonica
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Trichonovelonitsa

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

Perdices A. , Bohlen J. and Doadrio I. , 2008. The molecular diversity of adriatic spined loaches (Teleostei, Cobitidae). Molecular Phylogenetics and Evolution, Volume 46, Issue 1, 382-390.

Bohlen, J., A. Perdices, I. Doadrio & P.S. Economidis, 2006. Vicariance, colonisation, and fast local speciation in Asia Minor and the Balkans as revealed from the phylogeny of spined loaches (Osteichthyes; Cobitidae). Molecular Phylogenetics and Evolution 39: 552–561.

Oikonomou A., Anastasiadou Ch., Taskoudis Th. and Leonardos I., 2014. Length-weight relations of seven native fish species (Actinopterygii) from the Louros River, Greece. Acta Ichthyologica et Piscatoria, 44 (2): 163-165

Kottelat M. & Freyhof J., 2007. Handbook of European freshwater fishes. Berlin: Kottelat, Cornol & Freyhof: 646pp.

2.3 Range

2.3.1 Surface area - Range (km ²)	950
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 approximately equal to (≈) unkown No method Basic assumption: Favourable Reference Range = Surface Area Range (current range)
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

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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 5x5 km grid cells (grids5x5)		
	min	38	max	38
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 Additional Range Map		
2.4.15 Reason for change		Improved knowledge/more accurate data Use of different method		

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)		950
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		Moderate
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 ²)		0
2.5.10 Reason for change		Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

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Pressure	ranking	pollution qualifier(s)
Discharges (E03)	medium importance (M)	N/A
surface water abstractions for agriculture (J02.06.01)	medium importance (M)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
canalisation (J02.03.02)	low importance (L)	N/A
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A
management of aquatic and bank vegetation for drainage purposes (J02.10)	low importance (L)	N/A

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

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Discharges (E03)	medium importance (M)	N/A
surface water abstractions for agriculture (J02.06.01)	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

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. A localized endemic species, restricted to lakes Trichonis, Lysimachia, Amvrakia and Ozeros; also in the lower Acheloos River, and associated canals and lowland wetlands. It inhabits slow flowing and still waters, with sandy or silty substrate.
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. *Cobitis trichonica* is known to be confined to the lower Acheloos lakes and also within silty aquatic habitats in delta canals and the lower main river; its presence in the Kastraki reservoir as well as further upstream (GR2110006) has not been confirmed in recent samplings. It is best to promote a precautionary approach and not include the species distribution in this reservoir, without further sampling. Additionally, it is doubtful that the species was present (historic range) in this stretch of the river, before the hydroelectric dam of Kastraki was constructed since, we are aware that this stretch of the river (near Kastraki) and further upstream had a braided channel form, not normally the habitat of this relatively stagnophilic species. Therefore, the species range and distribution do not include the particular site.

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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 Inadequate (U1) qualifiers unknown (x)
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 5x5 km grid cells (grids5x5) min 33 max 33
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 Conversation 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	low importance (L)	Inside	Enhance Long term