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	**5333**
0.2.2 Species name	**Pelasgus stymphalicus**
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Stymphalikos Pelasgos

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	Kottelat M. & Freyhof J. (2007). Handbook of European freshwater fishes. Publications Kottelat, Cornol, Switzerland. Economou A.N., Giakoumi S., Vardakas L., Barbieri R., Stoumboudi M. & Zogaris S. (2007). The freshwater ichthyofauna of Greece: an update based on a hydrographic basin survey. Mediterranean Marine Science, 8(1): 91-168. Economidis, P.S. & Chrysopolitou V. (2009). Pelasgus stymphalicus. In Red Data Book of threatened Animals of Greeece. Legakis A. & Maragou P. (eds). Hellenic Zoological Society, Athens.

2.3 Range

2.3.1 Surface area - Range (km²)	20700	
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 (km²)	
	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	

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	N/A
	min	max

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

2.4.2 Population size (other than individuals)	Unit: number of map 10x10 km grid cells (grids10x10) min: 207 max: 207
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 individuals or classes 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	Improved knowledge/more accurate data Use of different method

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)	20700
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 (km²)	0
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Discharges (E03)	low importance (L)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	low importance (L)	N/A
large scale water deviation (J02.03.01)	medium importance (M)	N/A
small hydropower projects, weirs (J02.05.05)	medium importance (M)	N/A
surface water abstractions for agriculture (J02.06.01)	medium importance (M)	N/A

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

reduction in migration/ migration barriers (J03.02.01)	medium importance (M)	N/A
modifying structures of inland water courses (J02.05.02)	medium importance (M)	N/A
canalisation (J02.03.02)	medium importance (M)	N/A
reduction in genetic exchange (J03.02.03)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	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
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	low importance (L)	N/A
large scale water deviation (J02.03.01)	low importance (L)	N/A
small hydropower projects, weirs (J02.05.05)	medium importance (M)	N/A
surface water abstractions for agriculture (J02.06.01)	high importance (H)	N/A
reduction in migration/ migration barriers (J03.02.01)	medium importance (M)	N/A
modifying structures of inland water courses (J02.05.02)	high importance (H)	N/A
canalisation (J02.03.02)	medium importance (M)	N/A
reduction in genetic exchange (J03.02.03)	medium importance (M)	N/A
Urbanised areas, human habitation (E01)	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	The % threshold could not be used for the assessment since: a) a different method for assessing range was employed, compared to the 2nd Reporting
2.8.2 Other relevant Information	1. An endemic of the Peloponnese and Western central Greece. Populations exist in Lake Stymphalia, lower Alfios, Pamissos and Pinios rivers (as well as smaller systems of Western Peloponnese and the Argolic Gulf); also, in lower Acheloos, Evinos and Mornos basins. Introduced to Lake Tsivlos (Krathis River) and recently discovered in the Peloponnesian Assopos River. It inhabits lakes, spring-fed ponds, rivers and streams with slow current and wetland vegetation; many of these habitats have been extensively degraded by water abstraction, wetland drainage, water irrigation and water supply projects, tourism development and holiday home building subdivisions. Often confined to springs but still widespread but often in small localized populations. 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

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

	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).
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	Unknown (XX)
	qualifiers	N/A
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	106	max	106
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 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Enhance
Establish protected areas/sites (6.1)	Legal Administrative One-off	low importance (L)	Inside	Enhance Long term