

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	1217
0.2.2 Species name	Testudo hermanni
0.2.3 Alternative species scientific name	Eurotestudo hermanni
0.2.4 Common name	Mesogeikiaki helona

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	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

Bertolero, A.; Cheylan, M.; Hailey, A.; Livoreil, B & Willemsen, R. 2011. *Testudo hermanni* (Gmelin 1789) – Hermann's tortoise. Στο: Rhodin, A.G.J.; Pritchard, P.C.H.; van Dijk, P.P.; Saumure, R.A.; Buhlmann, K.A. & Iverson, J.B. (Eds.). Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group. Chelonian Research Monographs No. 5. [↗](#)

Hailey, A., and R. E. Willemsen. 2003. Changes in the status of tortoise populations in Greece 1984–2001. *Biodiversity and Conservation* 12:991-1000. [↗](#)

Φουφόπουλος, Γ. 2008. *Eurotestudo hermanni*. Αξιολόγηση είδους για το Κόκκιν ο Βιβλίο των απειλούμενων ειδών ζώων της Ελλάδας. Ελληνική Ζωολογική Εταιρεία, Αθήνα.

2.3 Range

2.3.1 Surface area - Range (km ²)	65345
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 A wide ranging species. None of the known populations became extinct since 1994. FRV is the total of the range which excludes the unfavorable altitude areas.
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

2.4 Population

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

2.4.1 Population size (individuals or agreed exception)	Unit	number of individuals (i)		
	min	1000000	max	5000000
2.4.2 Population size (other than individuals)	Unit	N/A		
	min		max	
2.4.3 Additional information	Definition of locality			
	Conversion method	References and measurements regarding the population densities vary from less than 1 ind/ha to up to 55 ind/ha. However there are indications and reports of local significant population decline. Additionally there are reported incidents of illegal trade concerning this species. Finally the 2007 wildfires should be considered. The mean from a number (N=27) of population density measurements was extrapolated to the total area of distribution.		
	Problems	The statistical power of the approach used was low for a widely distributed species. Expressing the results as a class was a safer option.		
2.4.4 Year or period		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		decrease (-)		
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method		Estimate based on expert opinion with no or minimal sampling (1)		
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	There is a negative trend documented in the literature but the population is viable if it remain in the current population class.		
2.4.15 Reason for change		Genuine Improved knowledge/more accurate data	Use of different method	

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)		10520
2.5.2 Year or period		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		A widely distributed generalist species. Random surveys have been conducted in the distribution areas. Wildfires, expansion of habitation and agriculture expansion pose a continuous and important pressure to the quality of available habitats.
2.5.5 Short term trend period		2001-2012
2.5.6 Short term trend direction		decrease (-)
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)		46592

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

2.5.10 Reason for change

Genuine Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Cultivation (A01)	medium importance (M)	N/A
agricultural intensification (A02.01)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	low importance (L)	N/A
Fertilisation (A08)	low importance (L)	N/A
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
forest replanting (B02.01)	medium importance (M)	N/A
roads, motorways (D01.02)	low importance (L)	N/A
motorised vehicles (G01.03)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	medium importance (M)	N/A
garbage and solid waste (H05.01)	low importance (L)	N/A
burning down (J01.01)	high importance (H)	N/A
fire (natural) (L09)	medium importance (M)	N/A

2.6.1 Method used – pressures

based exclusively or to a larger extent on real data from sites/occurrences or other

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Cultivation (A01)	medium importance (M)	N/A
agricultural intensification (A02.01)	medium importance (M)	N/A
grassland removal for arable land (A02.03)	medium importance (M)	N/A
mowing / cutting of grassland (A03)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	low importance (L)	N/A
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
roads, motorways (D01.02)	medium importance (M)	N/A
Urbanised areas, human habitation (E01)	high importance (H)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	medium importance (M)	N/A
burning down (J01.01)	high importance (H)	N/A
fire (natural) (L09)	high importance (H)	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 range estimations do not include unfavorable altitude areas.

The data used for the distribution and range of the species are based on extensive fieldwork and reliable published sources that does not confirm the presence of the species in GR1120003 and GR1130006. Possible discrepancies with the SDF will be corrected in the next submission of revised SDF forms

2.8.3 Trans-boundary assessment

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

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 Inadequate (U1) qualifiers N/A
2.9.3. Habitat	assessment Inadequate (U1) qualifiers N/A
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	declining (-)

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size	Unit	number of individuals (i)		
	min	430000	max	570000
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	N/A			

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
Measures needed, but not implemented (1.2)	Contractual Recurrent	medium importance (M)	Both	
Establish protected areas/sites (6.1)	Legal One-off	low importance (L)	Inside	Unknown
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	No effect