0.1 Member State	п
0.2.1 Species code	1217
0.2.2 Species name	Testudo hermanni
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Testuggine di Hermann

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	2000-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Mediterranean (MED)

The present species assessment (fields 0.1-2.9) has been compiled by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.

Distribution data for the following Nature 2000 sites have been inserted by the Ministry of Environment (source: Italian Nature 2000 database): ITA060010, ITA020021, ITA060012, IT9150011 e IT9150032

Capula M., Corti C., Mancino G., Carpaneto G.M., Mazzotti S., Zuffi M.A.L., 2011. Testudo hermanni Gmelin 1789. In: Fauna d'Italia, vol. XLV, Reptilia. A cura di Corti C., Capula M., Luiselli L., Razzetti E., Sindaco R., p. 188-199. Edizioni Calderini de Il Sole 24 ORE, Bologna.

De Pous P., Speybroeck J., Bogaerts S., Pasmans F., Beukema W. 2012. A contribution to the atlas of the terrestrial herpetofauna of Sardinia. Herpetology Notes, volume 5: 391-405.

Mazzotti S., 2006. Testudo hermanni Gmelin 1789. In: Atlante degli Anfibi e dei Rettili d'Italia / Atlas of Italians Amphibians and Reptiles, Sindaco R., Doria G., Razzetti E. & Bernini F. (Eds). P. 390-395. Societas Herpetologica Italica. Edizioni Polistampa, Firenze.

Salvi D., Bombi P., 2010. Reptiles of Sardinia: updating the knowledge on their distribution. Acta Herpetologica 5(2): 161-177

Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma.

Regione Autonoma della Sardegna - Assessorato Difesa Ambiente - 2008-2009.

11/04/2014 13.41.40 Page 1 of 7

"Realizzazione del sistema di monitoraggio dello stato di conservazione degli habitat e delle specie di interesse comunitario della Regione Autonoma della Sardegna".

Regione Autonoma della Sardegna - Assessorato Difesa Ambiente , 2012 -"Servizio di monitoraggio dello stato di conservazione degli habitat e delle specie di importanza comunitaria presenti nei siti della Rete Natura 2000 in Sardegna -Linea 4. Redazione del Rapporto sullo stato di conservazione degli habitat e delle specie ".

2.3 Range

2.3.1 Surface area - Range (km²)

2.3.2 Method - Range surface area

2.3.3 Short-term trend period

2.3.4 Short-term trend direction

2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction

2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

68400

Complete survey/Complete survey or a statistically robust estimate (3)

2001-2012

decrease (-)

min max

N/A

min max

area (km²)

operator more than (>)

unkown

method Expert judgement

2.3.10 Reason for change

Use of different method

2.4 Population

2.4.1 Population size

(individuals or agreed exception)

2.4.2 Population size

2.4.4 Year or period

(other than individuals)

2.4.3 Additional information

2.4.5 Method – population size

2.4.6 Short-term trend period 2.4.7 Short term trend direction

2.4.8 Short-term trend magnitude

2.4.9 Short-term trend method

2.4.10 Long-term trend period

2.4.11 Long term trend direction 2.4.12 Long-term trend magnitude

2.4.13 Long-term trend method

2.4.14 Favourable reference

population

Unit N/A

min max

Unit number of map 10x10 km grid cells (grids10x10)

min 329 max 329

Definition of locality

Conversion method

Problems

2000-2012

Complete survey/Complete survey or a statistically robust estimate (3)

unknown (x)

min confidence interval max

Absent data (0)

N/A

min max confidence interval

N/A

number

operator N/A unknown Yes

method

2.4.15 Reason for change

Improved knowledge/more accurate data

13.41.40 11/04/2014 Page 2 of 7

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)

2.5.2 Year or period

2.5.3 Method used - habitat

2.5.4 a) Quality of habitat

2.5.4 b) Quality of habitat - method

2000-2012

Absent data (0)

Moderate

Decrease of habitats because of intense anthropogenetic activity in the plain, including intensification of agriculture, intentional burning, urbanisation. Roads can affect population owing to vehicle collision.

2001-2012

decrease (-)

2.5.5 Short term trend period

2.5.6 Short term trend direction

2.5.7 Long-term trend period

2.5.8 Long term trend direction

2.5.9 Area of suitable habitat (km²)

2.5.10 Reason for change

2.7 Main Threats

modification of cultivation practices (A02)

use of biocides, hormones and chemicals (A07)

continuous urbanisation (E01.01)

N/A

Improved knowledge/more accurate data

2.6 Main Pressures		
Pressure	ranking	pollution qualifier(s)
burning down (J01.01)	high importance (H)	N/A
forestry clearance (B02.02)	low importance (L)	N/A
collection of animals (insects, reptiles, amphibians) (F03.02.01)	high importance (H)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	medium importance (M)	N/A
removal of hedges and copses or scrub (A10.01)	low importance (L)	N/A
genetic pollution (animals) (I03.01)	high importance (H)	N/A
modification of cultivation practices (A02)	medium importance (M)	N/A
continuous urbanisation (E01.01)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	low importance (L)	N/A
forest exploitation without replanting or natural regrowth (B03)	low importance (L)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
2.6.1 Method used – pressures mainly based on exp	pert judgement and other data ((2)

2.7 Wall Till Cats		
Threat	ranking	pollution qualifier(s)
burning down (J01.01)	high importance (H)	N/A
forestry clearance (B02.02)	low importance (L)	N/A
collection of animals (insects, reptiles, amphibians) (F03.02.01)	high importance (H)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	medium importance (M)	N/A
removal of hedges and copses or scrub (A10.01)	low importance (L)	N/A
genetic pollution (animals) (I03.01)	high importance (H)	N/A

11/04/2014 13.41.40 Page 3 of 7

medium importance (M)

medium importance (M)

low importance (L)

N/A

N/A

N/A

forest exploitation without replanting or natural regrowth (B03)	low importance (L)	N/A
Roads, paths and railroads (D01)	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

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range

assessment Inadequate (U1)
qualifiers declining (-)

2.9.2. Population

assessment Unknown (XX)
qualifiers N/A

2.9.3. Habitat

assessment Inadequate (U1)

2.9.3. Habitat assessment Inadequate (U1 qualifiers declining (-)

2.9.4. Future prospects assessment Inadequate (U1) qualifiers declining (-)

2.9.5 Overall assessment of Conservation Status

2.9.5 Overall trend in Conservation Status

declining (-)

Inadequate (U1)

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

3.1 Population

3.1.1 Population Size

Unit

N/A

min

3.1.2 Method used Absent data (0)

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
Other agriculture-related measures (2.0)	One-off	medium importance (M)	Outside	Maintain Long term
Other spatial measures (6.0)	Administrative	medium importance (M)	Both	Maintain Enhance Long term
Legal protection of habitat and species (6.3)	s Legal	medium importance (M)	Both	Maintain

max

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Continental (CON)

The present species assessment (fields 0.1-2.9) has been compiled by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica).

11/04/2014 13.41.40 Page 4 of 7

Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.

Capula M., Corti C., Mancino G., Carpaneto G.M., Mazzotti S., Zuffi M.A.L., 2011. Testudo hermanni Gmelin 1789. In: Fauna d'Italia, vol. XLV, Reptilia. A cura di Corti C., Capula M., Luiselli L., Razzetti E., Sindaco R., p. 188-199. Edizioni Calderini de Il Sole 24 ORE, Bologna.

Mazzotti S., 2006. Testudo hermanni Gmelin 1789. In: Atlante degli Anfibi e dei Rettili d'Italia / Atlas of Italians Amphibians and Reptiles, Sindaco R., Doria G., Razzetti E. & Bernini F. (Eds). P. 390-395. Societas Herpetologica Italica. Edizioni Polistampa, Firenze.

Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma.

2.3 Range

2.3.1 Surface area - Range (km²)

2.3.2 Method - Range surface area

2.3.3 Short-term trend period

2.3.4 Short-term trend direction

2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction

2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

7500

Complete survey/Complete survey or a statistically robust estimate (3)

2001-2012 decrease (-)

min max

N/A

min max

area (km²)

operator much more than (>>)

unkown No

method Expert judgement

2.3.10 Reason for change

Use of different method

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 10x10 km grid cells (grids10x10)

min 39 max 39

2.4.3 Additional information

Definition of locality

Conversion method

Problems

2000-2012

2001-2012

decrease (-)

2.4.4 Year or period

2.4.5 Method – population size

2.4.6 Short-term trend period

2.4.7 Short term trend direction

2.4.8 Short-term trend magnitude

2.4.9 Short-term trend method

2.4.10 Long-term trend period 2.4.11 Long term trend direction

confidence interval max

Complete survey/Complete survey or a statistically robust estimate (3)

Estimate based on partial data with some extrapolation and/or modelling (2)

N/A

11/04/2014 13.41.40 Page 5 of 7

2.4.12 Long-term trend magnitude min 2.4.13 Long-term trend method N/A 2.4.14 Favourable reference population

confidence interval max

number

operator more than (>)

unknown No

method Expert judgement

2.4.15 Reason for change Improved knowledge/more accurate data

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)

2.5.2 Year or period

2.5.3 Method used - habitat

2.5.4 a) Quality of habitat

2.5.4 b) Quality of habitat - method

2000-2012

Absent data (0)

Moderate

Decrease of habitats because of intense anthropogenetic activity in the plain, including intensification of agriculture, deforestation, urbanisation. Roads can affect population owing to vehicle collision.

2.5.5 Short term trend period 2.5.6 Short term trend direction 2.5.7 Long-term trend period

2.5.8 Long term trend direction

2.5.9 Area of suitable habitat (km²) 2.5.10 Reason for change

2001-2012 decrease (-)

N/A

Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
agricultural intensification (A02.01)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Urbanised areas, human habitation (E01)	high importance (H)	N/A
fire and fire suppression (J01)	high importance (H)	N/A
collection of animals (insects, reptiles, amphibians) (F03.02.01)	high importance (H)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A
introduction of disease (microbial pathogens) (K03.03)	low importance (L)	N/A
Roads, paths and railroads (D01)	low importance (L)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	low importance (L)	N/A
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
genetic pollution (animals) (I03.01)	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)
agricultural intensification (A02.01)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Urbanised areas, human habitation (E01)	high importance (H)	N/A
fire and fire suppression (J01)	high importance (H)	N/A

11/04/2014 13.41.40 Page 6 of 7

collection of animals (insects, reptiles, amphibians) (F03.02.01)	high importance (H)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A
introduction of disease (microbial pathogens) (K03.03)	low importance (L)	N/A
Roads, paths and railroads (D01)	low importance (L)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	low importance (L)	N/A
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
genetic pollution (animals) (I03.01)	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

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range assessment Bad (U2) qualifiers declining (-) 2.9.2. Population assessment Inadequate (U1) qualifiers declining (-) 2.9.3. Habitat assessment Inadequate (U1) qualifiers declining (-) 2.9.4. Future prospects assessment Bad (U2) qualifiers N/A 2.9.5 Overall assessment of Bad (U2)

Conservation Status

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 N/A min

3.1.2 Method used Absent data (0)

3.1.3 Trend of population size within N/A

3.2 Conversation Measures

3.2.1 Measure 3.2.4 Location 3.2.5 Broad Evaluation 3.2.2 Type 3.2.3 Ranking Administrative Inside No effect Maintaining grasslands medium and other open habitats importance (M) (2.1)

max

11/04/2014 13.41.40 Page 7 of 7