

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	1280
0.2.2 Species name	Coluber jugularis
0.2.3 Alternative species scientific name	Dolichophis jugularis
0.2.4 Common name	Zamenis

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

- Baha El Din, S., Crochet, P.-A., Hraoui-Bloquet, S., Kaya, U., Lymberakis, P., Disi, A.M., Sadek, R., Sevinç, M., Tok, V., Ugurtas, I.H., Werner, Y.L., 2012. *Dolichophis jugularis*. The IUCN Red List of Threatened Species. Version 2014.2. <www.iucnredlist.org>. Downloaded on 3 October 2014. [2]
- Broggi, M.F., 1997. Notizen zur herpetofauna von Kalymnos und Leros (Dodekanes, Griechenland). *Herpetozoa*, 10(3/4): 135-138. [2]
- Broggi, M.F., 2006. Isolation und Landnutzungswandel und ihre Einflüsse auf die Herpetofauna - dargestellt am Beispiel der Insel Tilos (Dodekanes, Griechenland). *Herpetozoa*, 19(1/2): 13-16. [2]
- Buttle, D., 1990. The herpetofauna of Leros (Dodecanese, S.E. Aegean). *British Herpetological Society Bulletin*, 34: 34-38. [2]
- Cattaneo, A., 2005. Osservazioni sull'herpetofauna dell'isola greca di Kos (Sporadi Meridionali) con un inedito caso di simpatria microinsulare fra due specie affini di colubridi: *Hierophis caspius* (Gmelin) e *Hierophis jugularis* (L.). *Atti Mus. Stor. nat. Maremma*, 21: 79-91. [2]
- Cattaneo, A., 2008. Osservazioni sull'ofidiofauna delle isole Egee di Leros e Patmos (Dodecaneso) (reptilia serpentes). *Naturalista sicil.*, S. IV, XXXII (1-2): 201-219. [2]
- Cattaneo, A., 2009. L'ofidiofauna delle isole Egee di Halki e Tilos (Dodecaneso) con segnalazione di un nuovo fenotipo di *Dolichophis jugularis* (Linnaeus) (Reptilia Serpentes). *Naturalista sicil.*, S. IV, XXXIII (1-2): 131-147. [2]
- Cattaneo, A., 2012. Il Colubrogola Rossa dell'arcipelago di Rodi: *Dolichophis jugularis zinneri* subsp. Nova (Reptilia Serpentes). *Naturalista sicil.*, S. IV, XXXVI (1): 77-103. [2]
- Clark, R.J., 1972. New locality records for the Greek reptiles. *British Journal of Herpetology*, 4: 311-312. [2]
- Ondrias, J.C., 1966. I panis ton amfibion kai erpeton tis Ellados. *Panepistimio Athina*, pp55. [2]
- Ondrias, J.C., 1968. Liste des Amphibiens et des reptiles de la Grece. *Biologia Gallo-Hellenica*, 1(2): 111-135. [2]
- Wilson, M.J. & Grillitsch, H., 2009. The herpetofauna of Simi (Dodecanese, Greece) (Amphibia, Reptilia). *Herpetozoa*, 22 (3/4): 99-113. [2]

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

Zinner, H., 1972. Systematics and Evolution of the Species Group *Coluber jugularis* Linnaeus, 1758 - *Coluber caspius* Gmelin, 1789 (Reptilia, Serpentes). Thesis submitted for the Degree "Doctor of Philosophy". Submitted to the Senate of the Hebrew University, Jerusalem."

2.3 Range

2.3.1 Surface area - Range (km ²)	1871,3
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 (≈) unknown No method The species is distributed in 8 islands. The FRR is the total area of the islands.
2.3.10 Reason for change	Improved knowledge/more accurate data

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 302 max 407
2.4.3 Additional information	Definition of locality Conversion method Problems There are no adequate references or measurements regarding the population size or population densities. Based on the available data an estimation of the population using as unit the number of individuals doesn't seem feasible at this stage.
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	stable (0)
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 are no indications or reports of population decline or abnormal population structure. FRV has been set at the current

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

population level.

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)	407
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	Good
2.5.4 b) Quality of habitat - method	A generalist species. Random surveys have been conducted in the distribution areas.
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	stable (0)
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)	528
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Cultivation (A01)	low importance (L)	N/A
roads, motorways (D01.02)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
Taking and removal of animals (terrestrial) (F03.02)	low importance (L)	N/A
motorised vehicles (G01.03)	low importance (L)	N/A
burning down (J01.01)	low importance (L)	N/A
fire (natural) (L09)	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)
Cultivation (A01)	low importance (L)	N/A
roads, motorways (D01.02)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
Taking and removal of animals (terrestrial) (F03.02)	low importance (L)	N/A
motorised vehicles (G01.03)	low importance (L)	N/A
burning down (J01.01)	low importance (L)	N/A
fire (natural) (L09)	low importance (L)	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.

2.8.3 Trans-boundary assessment

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

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

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 Favourable (FV) qualifiers N/A
2.9.4. Future prospects	assessment Favourable (FV) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Favourable (FV)
2.9.5 Overall trend in Conservation Status	N/A

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

3.1 Population

3.1.1 Population Size	Unit	N/A	
	min		max
3.1.2 Method used	N/A		
3.1.3 Trend of population size within	N/A		

3.2 Conversation Measures