

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	1284
0.2.2 Species name	Coluber viridiflavus
0.2.3 Alternative species scientific name	Hierophis viridiflavus
0.2.4 Common name	Fidi tis Giarou

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	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)

Beutler, A. & Frör, E., 1980. Die Amphibien und Reptilien der Nordkykladen (Griechenland). Mitteilungen der Zoologischen Gesellschaft Braunau, 3: 255-290. [↗](#)

Böhme, W. 1974. Die Typusexemplare der Herpetologischen Sammlung des Museums Alexander Koenig, Bonn. Bonner Zoologische Beiträge, 25: 165-176. [↗](#)

Böhme, W., 1993. Coluber gyarosensis Mertens, 1968 - Gyaros-Pfeilnatter. In: Böhme, W. (Ed.), Handbuch der Reptilien und Amphibien Europas, 3/I: 111-114. [↗](#)

Buchholz, K., 1964. In: Pölz, F. "Aus Briefen unserer Mitglieder". Mitteilungsblatt Salamander, Gesellschaft Für Terrarienfrenunde, 16: 155-156. [↗](#)

Dimitropoulos, A., 1986. Some notes on the colour and pattern variation of the Greek snake fauna in relation to geographic distribution. Biologia Gallo-Hellenica, 12: 463-471. [↗](#)

Dimitropoulos, A. & Ioannidis, Y., 2009. Hierophis viridiflavus. In: Legakis, A. & Maragou, P. (eds.), The red data book of endangered animals of Greece (in Greek with English summary). Hellenic Zoological Society, Athens, 526pp. [↗](#)

Mertens R., 1968. Eine schwarze Zornnatter von den Cycladen: Coluber gemonensis gyarosensis n. subsp. Senckenbergiana Biologica, 49(3/4): 181-189. [↗](#)

Schätti, B., 1988. Systematik und Evolution der Schlangengattung Hierophis Fitzinger, 1843 (Reptilia, Serpentes). Inaugural-Dissertation zur Erlangung der philosophischen Doktorwürde, Zürich, 50pp. [↗](#)

Utiger U. & Schätti B., 2004. Morphology and phylogenetic relationships of the Cyprus racer, Hierophis cypriensis, and the systematic status of Coluber gemonensis gyarosensis Mertens (Reptilia: Squamata: Colubridae). Revue Suisse de Zoologie, 111: 225-238. [↗](#)

Vogrin, M., Corti, C., Pérez Mellado, V., Sá-Sousa, P., Cheylan, M., Pleguezuelos, J.M., Meyer, A., Schmidt, B., Sindaco, R., Romano, A., Martínez-Solano, I., 2009. Hierophis viridiflavus. The IUCN Red List of Threatened Species. Version 2014.2. <www.iucnredlist.org>. Downloaded on 3 October 2014.

2.3 Range

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2.3.1 Surface area - Range (km ²)	16,96
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)
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 The distribution of the species is limited in a single island. The FRR is the total area of the island.
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 16 max 16
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 population level.
2.4.15 Reason for change	Improved knowledge/more accurate data Use of different method

2.5 Habitat for the Species

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2.5.1 Surface area - Habitat (km ²)	16
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	Species of limited distribution. Surveys were conducted in most of the distribution areas.
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)	16
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
intensive grazing (A04.01)	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)
intensive grazing (A04.01)	low importance (L)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A
missing or wrongly directed conservation measures (G05.07)	medium importance (M)	N/A
fire (natural) (L09)	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 range estimations do not include unfavorable altitude areas.
- The actual population short term trend period is until 2014. In fact there are no previous estimations.
- This is the first evaluation of the species, as it was not included in the reporting of the previous reporting period.

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 Favourable (FV) qualifiers N/A

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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