

# 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	1274
0.2.2 Species name	<b>Chalcides ocellatus</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Liakoni

## 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

### 2.2 Published sources

#### Mediterranean (MED)

- Baha El Din S. (2006). A guide to the Reptiles and Amphibians of Egypt. The American university in Cairo press. Cairo. New York. [\[2\]](#)
- Bons J. & Geniez P. (1996). Amphibiens et Reptiles du Maroc (Sahara Occidental compris) Atlas Biogéographique. Asociacion Herpetologica Espanola, Barcelona, Spain [\[2\]](#)
- Caputo V., Guarino F.M. & Baldanza F. (1997). A new finding of the skink, *Chalcides ocellatus* in the ex royal garden of Portici (Naples, Italy). Bol. Asoc. Herpetol. Esp. 8:3-4. [\[2\]](#)
- Caputo V. & Lanza B. (1992). The identity of the Santorini skink, *Chalcides moseri* Ahl, 1937 (Squamata, Scincidae). Amphibia - Reptilia vol. 13, n 2, pp. 202-207. [\[2\]](#)
- Caputo V., Odierna G. & Aprea G. (1993a). Karyological comparison of *Sphenops sepsoides*, *Chalcides chalcides* and *C. ocellatus* (Reptilia, Scincidae): taxonomic implications. Copeia. (4): 1180-1184. [\[2\]](#)
- Caputo V., Sorice M. & Crescimbeni L. (1999). A molecular taxonomy of some Mediterranean scincid lizards, genus *Chalcides* Laurenti 1768 (Reptilia: Scincidae). Russian Journal of Herpetology. 6, 23–32. [\[2\]](#)
- Carranza, S., Arnold, E.N., Geniez, Ph., Roca, J.L., Mateo, J.A., 2008. Radiation, multiple dispersal and parallelism in Moroccan skinks, *Chalcides* and *Sphenops* (Squamata: Scincidae), with comments on *Scincus* and *Scincopus* and the age of the Sahara Desert. Mol. Phylogenet. Evol. 46, 1071–1094. [\[2\]](#)
- Dimitropoulos, A., Ioannidis, I. 2002. Reptiles of Greece and Cyprus. Goulandris Natural History Museum / KOAN publications, Athens 2002. 275 pages (in Greek). [\[2\]](#)
- Gasc, J.P., Cabela, A., Crnobrnja-Isailovic, J., Dolmen, D., Grossenbacher, K., Haffner, P., Lescure, J., Martens, H., Martínez Rica, J.P., Maurin, H., Oliveira. M.E., Sofianidou, T.S., Veith, M., Zuiderwijk, A. (Eds.). 1997. Atlas of Amphibians and Reptiles in Europe. Societas Europaea Herpetologica & Muséum National d' Histoire Naturelle (IEGB/SPN). Paris : 496 p. [\[2\]](#)
- Greer A.E., Caputo V., Lanza B. & Palmieri R. (1998). Observations on limb reduction in the scincid lizard Genus *Chalcides*. J. Herpetol. 32(2):244-252. [\[2\]](#)
- Grillitsch, H., Tiedemann, F. 1984. Zur Herpetofauna der griechischen Inseln Kea, Spanopoula, Kithnos, Sifnos, Kitriani (Cycladen), Alonissos und Piperi (Nordliche

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Sporaden). Ann. Naturhist. Mus. Wien. 86 (B): 7-28. [↗](#)

Hingley, K.J., Castle, P. 1991. Notes on Greek herpetofauna, with emphasis on the Cyclades. Herpetile 16: 75-80. [↗](#)

Kornilios, P., Kyriazi, P., Poulakakis, N., Kumlutas, Y., Ilgaz, H., Mylonas, M., Lymberakis, P., 2010. Phylogeography of the ocellated skink *Chalcides ocellatus* (Squamata, Scincidae), with the use of mtDNA sequences: a hitch-hiker's guide to the Mediterranean. Mol. Phylogenet. Evol. 54, 445–456. [↗](#)

Mateo J., Geniez P. & Bons J. (1995). Saurians of the genus *Chalcides* Laurenti 1768 (Reptilia, Scincidae) in Morocco, I: review and distribution. Revista Espa.ola de Herpetologa, 9, 7-36. [↗](#)

Mellado, V.P., Valakos, E.D., Gill, M.J., Guerrero, F., Lulch, J., Navarro, P., Maragou, P. 1999. Herpetological Notes from Mainland and Insular Greece. British Herpetological Society Bulletin. 67: 33-38. [↗](#)

Pasteur G. (1981). A survey of the species groups of the Old World scincid genus *Chalcides*. Journal of Herpetology. 15:1–16. [↗](#)

Schleich H.H., Kastle W. & Kabisch K. (1996). Amphibians and Reptiles of North Africa: Biology, Systematics, Field Guide. Koeltz Scientific Books, Koenigstein, Germany. [↗](#)

Schneider B. (1981). *Chalcides ocellatus* Forsskal 1775 – Walzenskink.-In: Bohme, W. (ed.): Handbuch der Reptilien und Amphibien Europas. Band 1, Echsen (Sauria) I. Wiesbaden (Akad. Verlagsgesellschaft) 338-354. [↗](#)

Uetz, P. (2014, February). The Reptile Database. Available via: <http://www.reptile-database.org>. [↗](#)

Valakos, E.D., Pafilis, P., Sotiropoulos, K., Lymberakis, P., Maragou, P., Foufopoulos, J., 2008. The Amphibians and Reptiles of Greece, Edition Chimaira, Frankfurt.

## 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	14064,83
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 <span style="float: right;">max</span>
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min <span style="float: right;">max</span>
2.3.9 Favourable reference range	area (km <sup>2</sup> ) operator <span style="float: right;">approximately equal to (≈)</span> unkown <span style="float: right;">No</span> method <span style="float: right;">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.</span>
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 <span style="float: right;">N/A</span> min <span style="float: right;">max</span>
2.4.2 Population size (other than individuals)	Unit <span style="float: right;">number of map 1x1 km grid cells (grids1x1)</span> min <span style="float: right;">3340</span> <span style="float: right;">max</span> <span style="float: right;">3982</span>
2.4.3 Additional information	Definition of locality

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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
<b>2.5 Habitat for the Species</b>		
2.5.1 Surface area - Habitat (km <sup>2</sup> )	3982	
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 <sup>2</sup> )	10580	
2.5.10 Reason for change	Improved knowledge/more accurate data	Use of different method
<b>2.6 Main Pressures</b>		
Pressure	ranking	pollution qualifier(s)
Cultivation (A01)	low importance (L)	N/A
intensive grazing (A04.01)	low importance (L)	N/A
use of biocides, hormones and chemicals (A07)	low importance (L)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A
2.6.1 Method used – pressures	mainly based on expert judgement and other data (2)	
<b>2.7 Main Threats</b>		

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Threat	ranking	pollution qualifier(s)
Cultivation (A01)	low importance (L)	N/A
intensive grazing (A04.01)	low importance (L)	N/A
use of biocides, hormones and chemicals (A07)	low importance (L)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	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)

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