

# 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	1776
0.2.2 Species name	<b>Centaurea kalambakensis</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	N/A

## 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	Yes
1.1.5 Range map	Yes

## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

#### Mediterranean (MED)

### 2.2 Published sources

Georgiadis Th. 1980: Contribution a l' étude cytogéographique du genre *Centaurea* L. (Sectio *Acrolophus* (Cass.) DC.) en Grèce. – PhD Thesis, Université de Provence, Marseille.

Constantinidis Th. & Anagnostopoulos A. 1995: *Centaurea kalambakensis* Freyn & Sint. (Compositae). – Pp. 154-155. In: Phitos D., Strid A., Snogerup S. & Greuter W. (eds), The Red Data Book of Rare and Threatened Plants of Greece. – Athens: WWF.

Strataki F. 1998: The plants of the 92/43/EEC Directive for Greece: 'Status' - Threats - Protection legislation. – MSc Dissertation, University of Patras, Patras, Greece, 257 pp. (In Greek).

Delipetrou P. & Bazos I. 2013: *Centaurea kalambakensis*. – The IUCN Red List of Threatened Species. Version 2014.3. <[www.iucnredlist.org](http://www.iucnredlist.org)>

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	4
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	unknown (x)
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 <sup>2</sup> ) operator approximately equal to (≈) unkown No method Favourable reference range was based on the sum of the historic and current distribution of the species.

### 2.3.10 Reason for change

## 2.4 Population

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2.4.1 Population size (individuals or agreed exception)	Unit	number of individuals (i)		
	min	600	max	2500
2.4.2 Population size (other than individuals)	Unit	N/A		
	min		max	
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems			
2.4.4 Year or period		2012		
2.4.5 Method – population size		Complete survey/Complete survey or a statistically robust estimate (3)		
2.4.6 Short-term trend period		2002-2012		
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 partial data with some extrapolation and/or modelling (2)		
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	The favourable reference population was defined as the minimum number of individuals counted in 2014. Two localities were excluded from the favourable reference population as requiring confirmation: a population approximately 1.7 km northeast of Kalambaka town which was not confirmed during field work in 2014 and a rather remote population from Nomos Pellas (Strataki, 1998) which may be incorrect and needs verification.		
2.4.15 Reason for change		Improved knowledge/more accurate data		
<b>2.5 Habitat for the Species</b>				
2.5.1 Surface area - Habitat (km <sup>2</sup> )		0,04		
2.5.2 Year or period		2012		
2.5.3 Method used - habitat		Complete survey/Complete survey or a statistically robust estimate (3)		
2.5.4 a) Quality of habitat		Good		
2.5.4 b) Quality of habitat - method		Centaurea kalambakensis grows on cliffs and in crevices of rock faces and most of its localities are not directly accessible.		
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 <sup>2</sup> )		0		
2.5.10 Reason for change		Improved knowledge/more accurate data		
<b>2.6 Main Pressures</b>				
Pressure		ranking		pollution qualifier(s)
mountaineering & rock climbing (G01.04.01)		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		

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## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
mountaineering & rock climbing (G01.04.01)	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

Note on 2.5.1: Habitat area estimation is the sum of the area actually covered by the population of the species.

Note on 2.6: Rock climbing constitutes a significant threat and pressure for the species and influences future prospects. The impact of rock climbing needs to be carefully assessed the following years.

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 Inadequate (U1)  
qualifiers unknown (x)

2.9.5 Overall assessment of Conservation Status Inadequate (U1)

2.9.5 Overall trend in Conservation Status unknown (x)

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

### 3.1 Population

3.1.1 Population Size Unit number of individuals (i)  
min 600 max 2500

3.1.2 Method used Complete survey/Complete survey or a statistically robust estimate (3)

3.1.3 Trend of population size within unknown (x)

### 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
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Inside	Enhance Long term
Regulation/ Management of hunting and taking (7.1)	Legal	high importance (H)	Inside	Long term