

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	1482
0.2.2 Species name	Paeonia parnassica
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	Yes
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	2002-2012
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

Tzanoudakis D. 1977: A cytotaxonomic study of the genus Paeonia in Greece [In Greek]. PhD thesis, Univ. of Patras.

Phitos D. 1995: Paeonia parnassica Tzanoud. In Phitos, D., Strid, A., Snogerup, S., Greuter, W. (eds): The Red Data Book of Rare and Threatened Plants of Greece, 402-403. – WWF, Athens.

Phitos D. 2002: Paeonia L. In Strid, A. & Tan K. (eds.): Flora Hellenica 2: 76-80. A. R. G. Gantner Verlag, Ruggell.

Phitos D. 2009. Paeonia parnassica Tzanoud. In: The Red Data Book of rare and threatened plants of Greece, Vol 2 (E-Z), Phitos D., Constantinidis T., Kamari G. (eds), pp. 244-245, Hellenic Botanical Society, Patras, Greece (in Greek).

Bazos I. & Delipetrou P. 2013. Paeonia parnassica. The IUCN Red List of Threatened Species. Version 2014.3. <www.iucnredlist.org>.

2.3 Range

2.3.1 Surface area - Range (km ²)	24
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	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 ²) operator approximately equal to (≈) unkown No method Favourable reference range was based on the sum of the historic and current distribution of the species. The record from Mt Elikonas is old (pre 1940) and not recently confirmed, so it is currently excluded.
2.3.10 Reason for change	Improved knowledge/more accurate data

2.4 Population

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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 flowering stems (fstems)		
	min	1550	max	3000
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems	The species forms clusters where individuals are very difficult to be distinguished and counted. This is why the number of flowering stems was used as a substitute of the number of adult individuals.		
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		2001-2012		
2.4.7 Short term trend direction		unknown (x)		
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method		Absent data (0)		
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 is defined as approximately the minimum number of individuals counted in 2014.		

2.4.15 Reason for change

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)		0,09
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		Paeonia parnassica grows in margins and openings of Abies cephalonica forest, thin fir forest, damp grassy meadows and sheltered places, between limestone rocks. This habitat type is rather widespread on Mt. Parnassos and does not seem to be under threat.
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)		0
2.5.10 Reason for change		

2.6 Main Pressures

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Pressure	ranking	pollution qualifier(s)
paths, tracks, cycling tracks (D01.01)	low importance (L)	N/A
collection (fungi, lichen, berries etc.) (F04.02)	low importance (L)	N/A
species composition change (succession) (K02.01)	low importance (L)	N/A

2.6.1 Method used – pressures based exclusively or to a larger extent on real data from sites/occurrences or other

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
paths, tracks, cycling tracks (D01.01)	low importance (L)	N/A
species composition change (succession) (K02.01)	low importance (L)	N/A
collection (fungi, lichen, berries etc.) (F04.02)	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

Note on 2.4.2. Population size was estimated in 2014 and c. 1550 flowering stems were counted at 3 localities (corresponding to two 2x2 km grid cells). This value is reported as minimum population size. The species is also reported from other localities and it is certain that the population size is larger. Since the species was observed to have an uneven occurrence pattern in its distribution area, it is not possible to predict the maximum number of individuals.
Note on 2.5.1: Habitat area estimation is the sum of the area actually covered by the population of the species.

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 number of flowering stems (fstems) min 1550 max 3000
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)

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3.2 Conservation 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	Long term
Establish protected areas/sites (6.1)	Legal One-off	high importance (H)	Inside	Maintain Long term
Regulation/ Management of hunting and taking (7.1)	Legal	high importance (H)	Inside	Long term