

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	4103
0.2.2 Species name	Dactylorhiza kalopissii
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Dactylorhiza tou Kalopisi

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	2001-2012
1.1.4 Additional map	Yes
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Mediterranean (MED)

Baumann B., Baumann H., 1984. Die Orchideenflora der Ionischen Inseln Ithaki und Kefallinia. Mitt.Bl. Arbeitskr. Heim. Orch. Baden-Württ. 16(1):105-183.

Willing B., Willing E., 1984. Beitrag zur Verbreitung der Orchideen des Epirus (NW-Griechenland). Mitt.Bl. Arbeitskr. Heim. Orch. Baden-Württ. 16(1): 21-104.

Willing B., Willing E., 1984. Die Gattung *Dactylorhiza* in Griechenland. Teil 4: *Dactylorhiza smolikana*, spec. nov., ungeflechte Variante der *Dactylorhiza baumanniana* und weitere Orchideenfunde aus NW-Griechenland. Mitt.Bl. Arbeitskr. Heim. Orch. Baden-Württ. 20(2): 391-437.

Willing B., Willing E., 1989. Die Gattung *Dactylorhiza* in Griechenland. Teil 4: *Dactylorhiza smolikana*, spec. nov., ungeflechte Variante der *Dactylorhiza baumanniana* und weitere Orchideenfunde aus NW-Griechenland. Ber. Arbeitskr. Heim. Orch. 6(1): 25-62.

Thiele G., Thiele W., 2001. Ein Beitrag zum Kenntnisstand der Orchideen in Nordwest-Griechenland. Jour. Eur. Orch. 33(3): 891-916.

Thiele G., Thiele W., 2010. Unsere Orchideen-Fundorte in Europa. Jour. Eur. Orch. 42(2): 333-411.

Willing, E., 1990. *Dactylorhiza* in Nordwestgriechenland - neue Erkenntnisse. Jarhenberichte des Naturwissenschaftlichen Vereins in Wuppertal. 43: 58-70.

2.3 Range

2.3.1 Surface area - Range (km ²)	23
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) 44 operator N/A unkown No method All the known sites where <i>D. kalopissii</i> subsp. <i>kalopissii</i> was

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found (both historical and present) were used to define the FRR.

2.3.10 Reason for change

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	number of individuals (i)		
	min	3000	max	3500
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	2003-2012			
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	decrease (-)			
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	6000		
	operator	N/A		
	unknown	No		
	method	Present data as well as all the historical distribution data were taken into account to define the FRP, which could better be expressed as 6000-7000		
2.4.15 Reason for change				

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	0,05			
2.5.2 Year or period	2003-2012			
2.5.3 Method used - habitat	Complete survey/Complete survey or a statistically robust estimate (3)			
2.5.4 a) Quality of habitat	Moderate			
2.5.4 b) Quality of habitat - method	Many of the subpopulations were located along road edges where water was sufficient.			
2.5.5 Short term trend period	2002-2012			
2.5.6 Short term trend direction	decrease (-)			
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)	0,1			
2.5.10 Reason for change				

2.6 Main Pressures

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Pressure	ranking	pollution qualifier(s)
non intensive grazing (A04.02)	high importance (H)	N/A
droughts and less precipitations (M01.02)	high importance (H)	N/A
competition (flora) (K04.01)	high importance (H)	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)
non intensive grazing (A04.02)	high importance (H)	N/A
droughts and less precipitations (M01.02)	high importance (H)	N/A
competition (flora) (K04.01)	high importance (H)	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

Sites where *D. kalopissii* subsp. *kalopissii* was recorded in the past could not be confirmed during recent field excursions. A reduction of its range was recorded, apparently as a result of drought events of the former years.

2.8.3 Trans-boundary assessment

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

2.9.1 Range	assessment Bad (U2) qualifiers declining (-)
2.9.2. Population	assessment Bad (U2) qualifiers declining (-)
2.9.3. Habitat	assessment Inadequate (U1) qualifiers declining (-)
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers declining (-)
2.9.5 Overall assessment of Conservation Status	Bad (U2)
2.9.5 Overall trend in Conservation Status	declining (-)

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

3.1 Population

3.1.1 Population Size	Unit number of individuals (i) min 1700 max 2300
3.1.2 Method used	Complete survey/Complete survey or a statistically robust estimate (3)
3.1.3 Trend of population size within	N/A

3.2 Conversation Measures

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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)	Outside	Not evaluated
Regulation/ Management of hunting and taking (7.1)	Legal	high importance (H)	Outside	Not evaluated