

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	4093
0.2.2 Species name	Rhododendron luteum
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Αγούιδουρας

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

Bazos I. and Yannitsaros A. 2004. Floristic reports from the island of Lesbos (Greece) I. Dicotyledones: Aceraceae to Guttiferae. Edinburgh J. Bot. 61(1): 49-86.

Bazos I. and Yannitsaros A. 2009. *Rhododendron luteum* Sweet, In: The Red Data Book of rare and threatened plants of Greece, vol. 2 (E-Z), D. Phitos, T. Constantinidis & G. Kamari (eds), pp. 278-279, Hellenic Botanical Society, Patras. (In Greek).

2.3 Range

2.3.1 Surface area - Range (km ²)	125
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)
2.3.3 Short-term trend period	1999-2012
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	1990-2012
2.3.7 Long-term trend direction	stable (0)
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) 125 operator N/A unkown No method The favourable reference range is based on the species' historical and current distribution. One locality where the species had been extinct before the 1970s, another locality where it was recorded in 1949 and not confirmed since as well as a coastal locality at a habitat marginal for the species, were excluded.
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	number of individuals (i)
	min	1412 max 1412

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2.4.2 Population size (other than individuals)	Unit	area covered by population in m2 (area)		
	min	9410	max	9410
2.4.3 Additional information	Definition of locality			
	Conversion method	It is estimated that 3 individuals cover approximately 20 m2		
	Problems	Rhododendron luteum is a shrubby species and it usually forms dense stands where the distinction of boundaries between individuals is not possible. Field observations resulted in the rough estimation used for the conversion of data to 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				
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 the minimum value estimated for the size of the population.		
2.4.15 Reason for change	Improved knowledge/more accurate data			
2.5 Habitat for the Species				
2.5.1 Surface area - Habitat (km ²)	0,01			
2.5.2 Year or period	1999			
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	The habitat of the species (streambanks and humid and damp places in pine forests) does not seem to be at immediate risk in the areas of Western Lesvos where Rhododendron luteum grows.			
2.5.5 Short term trend period	1999-2012			
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 ²)	1			
2.5.10 Reason for change	Improved knowledge/more accurate data			
2.6 Main Pressures				
Pressure		ranking		pollution qualifier(s)
disposal of household / recreational facility waste (E03.01)		low importance (L)		N/A
paths, tracks, cycling tracks (D01.01)		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			

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2.7 Main Threats

Threat	ranking	pollution qualifier(s)
disposal of household / recreational facility waste (E03.01)	low importance (L)	N/A
paths, tracks, cycling tracks (D01.01)	low importance (L)	N/A
fire (natural) (L09)	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

Rhododendron luteum is a toxic species, lethal to the sheep and goat considered undesirable by farmers who used to extirpate the shrubs. This may have been the reason for the extinction of the plant from a locality at the area of the villages Agra and Mesotopos before the 1970s. This attitude has now retreated. Note on 2.4.2. Population counts were made in 2014 at all the known localities of the species and this number is reported as minimum population. It is quite possible that the species occurs at more localities within its distribution range, so total population may well be larger. Note on 2.5.9. The minimum value of the suitable habitat area is reported, it is certain that this parameter is larger but cannot be estimated.

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 area covered by population in m2 (area)
min 8992 max 8992

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

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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)	Inside	Long term
Regulation/ Management of hunting and taking (7.1)	Legal	high importance (H)	Inside	Long term