

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	1866
0.2.2 Species name	Galanthus nivalis
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	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	Mediterranean (MED)
2.2 Published sources	Athanasiadis N. & Drossos E. 1990: Flora and vegetation of Mount Paiko. – Sci. Ann. Dept. Forest Nat. Env. 331: 37–148. Kamari G., Karydas A. & Syllignakis I. 2009: Galanthus nivalis L. In: Phitos D., Constantinidis Th. & Kamari G. (eds), The Red Data Book of Rare and Threatened Plants of Greece, vol 2(E-Z): 64-66. – Patras: Hellenic Botanical Society (in Greek).

2.3 Range

2.3.1 Surface area - Range (km ²)	1900
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	2002-2012
2.3.4 Short-term trend direction	decrease (-)
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) 2080 operator N/A unkown No method The range is based on the species historical and current distribution.
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 N/A min max
2.4.2 Population size (other than individuals)	Unit number of map 5x5 km grid cells (grids5x5) min 3 max 21
2.4.3 Additional information	Definition of locality Conversion method

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Problems	
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	
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 more than (>) unknown No method The Favourable reference population is defined as larger than the current population, based on the favourable reference range.
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)	9
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	Moderate
2.5.4 b) Quality of habitat - method	The habitat of the species seems undisturbed in the case of the Paiko populations. However in Gomati area, where the species population was not found, the habitat was heavily disturbed.
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)	19
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
surface water abstractions for public water supply (J02.06.02)	high importance (H)	N/A
Other human induced changes in hydraulic conditions (J02.15)	high importance (H)	N/A
hand collection (F04.02.02)	low importance (L)	N/A
walking, horseriding and non-motorised vehicles (G01.02)	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)
Other human induced changes in hydraulic conditions (J02.15)	high importance (H)	N/A
hand collection (F04.02.02)	low importance (L)	N/A
walking, horseriding and non-motorised vehicles (G01.02)	low importance (L)	N/A

2.7.1 Method used – threats expert opinion (1)

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2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

The taxonomy of *Galanthus* taxa is confusing and their identification is difficult, consequently *Galanthus nivalis* may have been erroneously reported in several localities. Its presence in these localities needs confirmation.

Note on 2.3.1. The presence of the species was verified in 3 cells (Paiko, Athos, Varnountas) and it is considered certain in 5 more cells (Paiko, Athos, Varnountas, Vitsi). The presence of the species needs confirmation at 11 cells (Vermion, Konitsa, Arta, Tymfi, area of Kato Ravenia, Limni Pogoniou, Lake Zaravina). The species was absent from 2 cells of its previous distribution area (Gomati).

Note on 2.4.2. The minimum population value corresponds to the localities where the presence of the species was verified in the period 2007-2014 and the maximum population value corresponds to all the localities of the current range. Population counts were made in 2014 at one locality on Mt Paiko (corresponding to 1 grid 5x5) where 766 individuals were counted. In 2014 the plant was not relocated in Gomati area, where the population had been estimated as larger than 1000 individuals in 2007.

Note on 2.9.1.a. Range Assessment is U1 because FRR(2.3.9.a) is only 9,52 % higher than the surface area of range(2.3.1).

2.8.3 Trans-boundary assessment

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

2.9.1 Range	assessment Inadequate (U1) qualifiers declining (-)
2.9.2. Population	assessment Unknown (XX) qualifiers N/A
2.9.3. Habitat	assessment Inadequate (U1) qualifiers declining (-)
2.9.4. Future prospects	assessment Unknown (XX) qualifiers N/A
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	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