

# Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

## NATIONAL LEVEL

### 1. General information

1.1 Member State	GR
1.2 Species code	1054
1.3 Species scientific name	<i>Papilio alexanor</i>
1.4 Alternative species scientific name	
1.5 Common name (in national language)	

### 2. Maps

2.1 Sensitive species	Yes
2.2 Year or period	2015
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

### 3. Information related to Annex V Species (Art. 14)

3.1 Is the species taken in the wild/exploited?	No	
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	No
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	No
	c) regulation of the periods and/or methods of taking specimens	No
	d) application of hunting and fishing rules which take account of the conservation of such populations	No
	e) establishment of a system of licences for taking specimens or of quotas	No
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	No
	g) breeding in captivity of animal species as well as artificial propagation of plant species	No
	h) other measures	No

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3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)

a) Unit

b) Statistics/ quantity taken	Provide statistics/quantity per hunting season or per year (where season is not used) over the reporting period					
	Season/ year 1	Season/ year 2	Season/ year 3	Season/ year 4	Season/ year 5	Season/ year 6
Min. (raw, ie. not rounded)						
Max. (raw, ie. not rounded)						
Unknown	No	No	No	No	No	No

3.4. Hunting bag or quantity taken in the wild Method used

3.5. Additional information

## BIOGEOGRAPHICAL LEVEL

### 4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

**Mediterranean (MED)**

4.2 Sources of information

Kudrna O, Harpke A, Lux, K, Pennerstorfer J, Schweiger O, Settele J, Wiemer M (Eds). 2011. Distribution Atlas of Butterflies in Europe. Gesellschaft für Schmetterlingsschutz, Halle, Germany.

Pamperis LN. 2009. The Butterflies of Greece. Athens: Pamperis Editions.

Papapavlou K, Katsouni N. 2008. New records and additional biogeographical data on the Lepidoptera (Papilionoidea) and Orthoptera fauna of the islands of Cephalonia and Ithaki, Ionian Sea, Greece. Entomologist's Gazette 59: 27-39.

Tshikolovets V (Ed). 2011. Butterflies of Europe & the Mediterranean area. Tshikolovets Publications, Pardubice, Czech Republic.

Zografou K, Sfenthourakis S, Pullin A, Kati V. 2008. On the surrogate value of red-listed butterflies for butterflies and grasshoppers: a case study in Grammos site of Natura 2000, Greece. Journal of Insect Conservation 13(5): 505-514.

### 5. Range

5.1 Surface area

33103

5.2 Short-term trend Period

2007-2018

5.3 Short-term trend Direction

Stable (0)

5.4 Short-term trend Magnitude

a) Minimum

b) Maximum

5.5 Short-term trend Method used

Based mainly on extrapolation from a limited amount of data



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## 6.14 Long-term trend Method used

6.15 Favourable reference population (using the unit in 6.2 or 6.4)

- a) Population size
- b) Operator Approximately equal to ( $\approx$ )
- c) Unknown
- d) Method Comparing current population size with historic estimated population size from Greek butterfly atlas Pamperis (2009), filtered through expert opinion.

6.16 Change and reason for change in population size

- Improved knowledge/more accurate data
- Use of different method
- The change is mainly due to: Improved knowledge/more accurate data

## 6.17 Additional information

Sampling localities were visited only once in 2014 and 2015. In absence of time series data, we considered (a) expert opinion of known population localities since 2007, (b) population localities from the Greek butterfly atlas and other bibliographic or unpublished records, (c) the proportion % of species presence in the localities visited in 2014 and 2015 (filtering only for adequate localities in terms of phenology), in order to provide an estimation of minimum and maximum population size (population classes).  
The population size in 6.2.d has been calculated in GIS using spatial information from the distribution data (10x10 km or smaller grids if additional data were available). Following the conversion of the available data in 1x1 km grid unit, marine or terrestrial grid cells have been deleted and thus excluded from the calculation, depending on the biogeographical region where the species occurs (MED or MMED, respectively).

## 7. Habitat for the species

7.1 Sufficiency of area and quality of occupied habitat

- a) Are area and quality of occupied habitat sufficient (for long-term survival)? Unknown
- b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)?

7.2 Sufficiency of area and quality of occupied habitat Method used

Insufficient or no data available

7.3 Short-term trend Period

2007-2018

7.4 Short-term trend Direction

Unknown (x)

7.5 Short-term trend Method used

Insufficient or no data available

7.6 Long-term trend Period

7.7 Long-term trend Direction

7.8 Long-term trend Method used

7.9 Additional information

The surface area of the habitat is estimated at 5785 km<sup>2</sup>, the area of suitable habitat is 17528 km<sup>2</sup> and its quality is unknown.

## 8. Main pressures and threats

8.1 Characterisation of pressures/threats

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Pressure	Ranking
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Abandonment of management/use of other agricultural and agroforestry systems (all except grassland) (A07)	M
Illegal harvesting, collecting and taking (G11)	M

  

Threat	Ranking
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Illegal harvesting, collecting and taking (G11)	M

**8.2 Sources of information** PRESSURES: Mainly based on expert judgements and other data.  
THREATS: Based on expert opinion.

**8.3 Additional information**

## 9. Conservation measures

**9.1 Status of measures**

a) Are measures needed?	Yes
b) Indicate the status of measures	Measures identified, but none yet taken

**9.2 Main purpose of the measures taken**

**9.3 Location of the measures taken**

**9.4 Response to the measures**

**9.5 List of main conservation measures**

Control/eradication of illegal killing, fishing and harvesting (CG04)

Reinstate appropriate agricultural practices to address abandonment, including mowing, grazing, burning or equivalent measures (CA04)

**9.6 Additional information**

## 10. Future prospects

**10.1 Future prospects of parameters**

a) Range	Good
b) Population	Good
c) Habitat of the species	Unknown

**10.2 Additional information**

## 11. Conclusions

<b>11.1. Range</b>	Favourable (FV)
<b>11.2. Population</b>	Favourable (FV)
<b>11.3. Habitat for the species</b>	Unknown (XX)
<b>11.4. Future prospects</b>	Favourable (FV)

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11.5 Overall assessment of Conservation Status

Favourable (FV)

11.6 Overall trend in Conservation Status

Stable (=)

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

Improved knowledge/more accurate data  
Use of different method

The change is mainly due to: Improved knowledge/more accurate data

b) Overall trend in conservation status

Improved knowledge/more accurate data  
Use of different method

The change is mainly due to: Use of different method

11.8 Additional information

## 12. Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species

12.1 Population size inside the pSCIs, SCIs and SACs network (on the biogeographical/marine level including all sites where the species is present)

- a) Unit
- b) Minimum
- c) Maximum
- d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

## 13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information