

# 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	4043
1.3 Species scientific name	<b>Pseudophilotes bavius</b>
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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c) Unknown

d) Method

No extinction is officially reported for the species at 10km grid scale. Therefore the FVR is considered to be similar with the current range.

5.11 Change and reason for change in surface area of range

No change

The change is mainly due to:

5.12 Additional information

## 6. Population

6.1 Year or period

2015

6.2 Population size (in reporting unit)

a) Unit

number of map 1x1 km grid cells (grids1x1)

b) Minimum

c) Maximum

d) Best single value 2288

6.3 Type of estimate

Best estimate

6.4 Additional population size (using population unit other than reporting unit)

a) Unit

number of adults (adults)

b) Minimum

100

c) Maximum

500

d) Best single value

6.5 Type of estimate

Best estimate

6.6 Population size Method used

Based mainly on expert opinion with very limited data

6.7 Short-term trend Period

2007-2018

6.8 Short-term trend Direction

Stable (0)

6.9 Short-term trend Magnitude

a) Minimum

b) Maximum

c) Confidence interval

6.10 Short-term trend Method used

Based mainly on expert opinion with very limited data

6.11 Long-term trend Period

6.12 Long-term trend Direction

6.13 Long-term trend Magnitude

a) Minimum

b) Maximum

c) Confidence interval

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 (≈)

c) Unknown

d) Method

Comparing current population size with historic estimated population size from Greek butterfly atlas Pamperis (2009), filtered through expert opinion.

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## 6.16 Change and reason for change in population size

No change  
The change is mainly due to:

## 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 311.18 km<sup>2</sup>, the area of suitable habitat is 686.16 km<sup>2</sup> and its quality is unknown.

## 8. Main pressures and threats

### 8.1 Characterisation of pressures/threats

Pressure	Ranking
Deposition and treatment of waste/garbage from household/recreational facilities (F09)	H
Illegal harvesting, collecting and taking (G11)	H
Intensive grazing or overgrazing by livestock (A09)	M
Wind, wave and tidal power, including infrastructure (D01)	M
Threat	Ranking
Illegal harvesting, collecting and taking (G11)	H

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Intensive grazing or overgrazing by livestock (A09) M

Wind, wave and tidal power, including infrastructure (D01) 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)

Adapt mowing, grazing and other equivalent agricultural activities (CA05)

Adapt/manage renewable energy installation, facilities and operation (CC03)

Habitat restoration of areas impacted by residential, commercial, industrial and recreational infrastructure, operations and activities (CF02)

### 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

### 11.1. Range

Favourable (FV)

### 11.2. Population

Favourable (FV)

### 11.3. Habitat for the species

Unknown (XX)

### 11.4. Future prospects

Favourable (FV)

### 11.5 Overall assessment of Conservation Status

Favourable (FV)

### 11.6 Overall trend in Conservation Status

Unknown (x)

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## 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

Not enough data to support stable conclusion on trend over this time period (the habitat trend and CS is U, several pressures on population and habitat). The species population and thus CS might even be decreasing (during the last field sampling the species was not found in some localities where previously occurring).

## 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 number of map 1x1 km grid cells (grids1x1)  
b) Minimum  
c) Maximum  
d) Best single value 479

### 12.2 Type of estimate

Best estimate

### 12.3 Population size inside the network Method used

Based mainly on expert opinion with very limited data

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

Unknown (x)

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

Insufficient or no data available

### 12.6 Additional information

The change in 12.1 (in comparison to the previous report) is mainly due to the recent update of the Greek Natura 2000 Database (extended areas of current Natura 2000 sites and newly proposed SCIs) and also (in cases of absent data or mandatory population unit 1x1 grid) to a different approach/method used for the calculation of the population size in GIS.

## 13. Complementary information

### 13.1 Justification of % thresholds for trends

### 13.2 Trans-boundary assessment

### 13.3 Other relevant Information

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