

# 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	1188
1.3 Species scientific name	<b>Bombina bombina</b>
1.4 Alternative species scientific name	
1.5 Common name (in national language)	Kokkinobombina

### 2. Maps

2.1 Sensitive species	No
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

Valakos, E., Pafilis, P., Sotiropoulos, K., Lymberakis, P., Maragou, P., Foufopoulos, J. (2008): The Amphibians and Reptiles of Greece. Editions Chimaira.

Sotiropoulos, K. & Lymberakis, P. (in press): Declines and Conservation of Amphibians in Greece. In Heatwole H. &

Wilkinson JW (eds.) Amphibian Biology, Volume 11 Part 3: Status of Conservation and Decline of Amphibians: Eastern Hemisphere: Eastern Europe.

### 5. Range

5.1 Surface area

253,97

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 expert opinion with very limited data

5.6 Long-term trend Period

5.7 Long-term trend Direction

5.8 Long-term trend Magnitude

a) Minimum

b) Maximum

5.9 Long-term trend Method used

5.10 Favourable reference range

a) Area (km<sup>2</sup>)

b) Operator

Approximately equal to (≈)

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c) Unknown  
d) Method

A locally distributing species occurring on the north-eastern borderline. None of the known populations became extinct since 1994. FRV is the total of the range which excludes the unfavorable altitude areas.

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 504

6.3 Type of estimate

Best estimate

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

a) Unit number of map 5x5 km grid cells (grids5x5)  
b) Minimum  
c) Maximum  
d) Best single value 6

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

Unknown (x)

6.9 Short-term trend Magnitude

a) Minimum  
b) Maximum  
c) Confidence interval

6.10 Short-term trend Method used

Insufficient or no data available

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  
c) Unknown x  
d) Method

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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

There are no adequate references or measurements regarding the population size of population densities. Based on the available data an estimation of the population size using as unit the number of individuals doesn't seem feasible at this stage.  
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)? Yes  
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

Based mainly on expert opinion with very limited data

### 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 50 km<sup>2</sup> and its quality is good. Random surveys have been conducted in the distribution areas.

## 8. Main pressures and threats

### 8.1 Characterisation of pressures/threats

Pressure	Ranking
Abstraction from groundwater, surface water or mixed water (K01)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	M
Modification of hydrological flow (K04)	M
Threat	Ranking
Abstraction from groundwater, surface water or mixed water (K01)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	M

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Other climate related changes in abiotic conditions (N09) M

Modification of hydrological flow (K04) M

## 8.2 Sources of information

PRESSURES: Based mainly on expert judgement 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 needed but cannot be identified

### 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

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### 9.6 Additional information

## 10. Future prospects

### 10.1 Future prospects of parameters

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

### 10.2 Additional information

## 11. Conclusions

### 11.1. Range

Favourable (FV)

### 11.2. Population

Unknown (XX)

### 11.3. Habitat for the species

Unknown (XX)

### 11.4. Future prospects

Unfavourable - Inadequate (U1)

### 11.5 Overall assessment of Conservation Status

Unfavourable - Inadequate (U1)

### 11.6 Overall trend in Conservation Status

Unknown (x)

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

a) Overall assessment of conservation status

No change

The change is mainly due to:

b) Overall trend in conservation status

No change

The change is mainly due to:

