

# 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	5343
1.3 Species scientific name	Rutilus ylikiensis
1.4 Alternative species scientific name	
1.5 Common name (in national language)	Chirokova

### 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 extrapolation from a limited amount of 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

Kottelat M. & Freyhof J. (2007). Handbook of European freshwater fishes. Publications Kottelat, Cornol, Switzerland.

Economou A.N., Giakoumi S., Vardakas L., Barbieri R., Stoumboudi M. & Zogaris S. (2007). The freshwater ichthyofauna of Greece - an update based on a hydrographic basin survey. Mediterranean Marine Science, Vol. 8(1): 91-166.

Economidis, P.S. & Chrysopolitou V. (2009). *Rutilus ylikiensis*. In Red Data Book of threatened Animals of Greece. Legakis A. & Maragou P. (eds). Hellenic Zoological Society, Athens.

### 5. Range

5.1 Surface area

950

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

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

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5.10 Favourable reference range	a) Area (km <sup>2</sup> )	Approximately equal to (≈)
	b) Operator	
	c) Unknown	
	d) Method	
		Basic assumption: Favourable Reference Range = Surface Area Range (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 5x5 km grid cells (grids5x5)
	b) Minimum	
	c) Maximum	
	d) Best single value	38

6.3 Type of estimate Best estimate

6.4 Additional population size (using population unit other than reporting unit)	a) Unit
	b) Minimum
	c) Maximum
	d) Best single value

6.5 Type of estimate

6.6 Population size Method used Based mainly on extrapolation from a limited amount of 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 extrapolation from a limited amount of 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	Approximately equal to (≈)
	b) Operator	
	c) Unknown	
	d) Method	Basic assumption: Favourable Reference Population = value extracted from Additional Range Map

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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

Most data are described as semi-quantitative or qualitative. Few quantitative data. Too much variability between existing samples, especially between different river basins, making it difficult to extrapolate a number or a class for reporting population unit.

## 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 extrapolation from a limited amount of data

### 7.3 Short-term trend Period

2007-2018

### 7.4 Short-term trend Direction

Stable (0)

### 7.5 Short-term trend Method used

Based mainly on extrapolation from a limited amount of data

### 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 950 km<sup>2</sup> and its quality is good.

## 8. Main pressures and threats

### 8.1 Characterisation of pressures/threats

Pressure	Ranking
Deposition and treatment of waste/garbage from household/recreational facilities (F09)	M
Deposition and treatment of waste/garbage from commercial and industrial facilities (F10)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	M
Physical alteration of water bodies (K05)	M
Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02)	M
Active abstractions from groundwater, surface water or mixed water for agriculture (A30)	M
Other human intrusions and disturbance not mentioned above (H08)	M
Other invasive alien species (other than species of Union concern) (I02)	H
Threat	Ranking

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Other invasive alien species (other than species of Union concern) (I02) H

## 8.2 Sources of information

PRESSURES: Mainly based 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? No  
b) Indicate the status of measures

## 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 Good  
c) Habitat of the species Good

## 10.2 Additional information

# 11. Conclusions

## 11.1. Range

Favourable (FV)

## 11.2. Population

Favourable (FV)

## 11.3. Habitat for the species

Favourable (FV)

## 11.4. Future prospects

Favourable (FV)

## 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  
No change  
The change is mainly due to:  
b) Overall trend in conservation status  
No change  
The change is mainly due to:

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## 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 number of map 5x5 km grid cells (grids5x5)  
b) Minimum  
c) Maximum  
d) Best single value 24

12.2 Type of estimate

Best estimate

12.3 Population size inside the network Method used

Based mainly on extrapolation from a limited amount of data

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

Stable (0)

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

Based mainly on extrapolation from a limited amount of data

12.6 Additional information

## 13. Complementary information

13.1 Justification of % thresholds for trends

The % threshold could not be used for the assessment since: a) a different method for assessing range was employed, compared to the 2nd Reporting Period or b) no data were reported in the 2nd Reporting Period.

13.2 Trans-boundary assessment

13.3 Other relevant Information

1. Endemic to Kifissos River drainage, including Yliki and Paralimni Lakes where it is abundant. A population has been recently discovered in Lake Marathon reservoir, Attika (certainly transplanted by humans but very close to the potential range of the species) (HCMR data). It inhabits lakes, slow flowing canals and lowland river reaches; some lake or pond populations may be vulnerable to drought effects. A closely related *Rutilus* species, soon to be described as a distinct valid taxon, is found in the Sperchios catchment and is restricted only to the lower part of that basin.

2. Basic Assumptions:

i) "Surface Area Range" (field 5.1) = value extracted from "Range Map" (field 2.5).

ii) "Favourable Reference Range" (field 5.10a) = a) "Surface Area Range" (field 5.1) OR b) value extracted from "Additional Reference Range Map" (provided). Depends on whether the Favourable range is equal or larger than actual species range.

iii) "Population Size" (field 6.2 or 6.4) = value extracted from "Distribution Map" (field 2.3) or "Additional Distribution Map" (field 2.5) (when provided).

iv) "Favourable Reference Population" (field 6.15a) = a) "Population Size" (field 6.2 or 6.4) OR b) value extracted from "Additional Reference Range Map" (provided). Depends on whether the Favourable population is equal or larger than actual species population.

v) Habitat "Area Estimation" (field 7.9) = "Distribution Map" (field

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2.3) or "Additional Distribution Map" (field 2.5) (when provided).