

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	5354
1.3 Species scientific name	Salmo pelagicus
1.4 Alternative species scientific name	
1.5 Common name (in national language)	Pestrofa Pelagonias

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 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. and J. Freyhof, 2007. Handbook of European freshwater fishes. Publications Kottelat, Cornol, Switzerland. 646 p.

ΕΤΜΕ ΙΛΑΡΙΩΝΑ – Μελέτη της ιχθυοπανίδας και προτάσεις για τη διατήρησή της, στην περιοχή κατασκευής του υδροηλεκτρικού έργου Ιλαρίωνα (Φορέας χρηματοδότησης: Δ.Ε.Η. Α.Ε., Γενική Δ/ση Παραγωγής, Δ/ση Ανάπτυξης Υδροηλεκτρικών Έργων, Διάρκεια: 2006 –2009 (24 μήνες).

Οικονόμου Α.Ν., Ζογκαρης Σ., Χατζηνικολαου Γ., Ταχος Β.Α., Γιακουμη Σ., Κομματας Δ., Κούτσικος Ν., Βαρδάκας Λ., Blasel K. και Dussling U. (2007). Δημιουργία Ιχθυολογικού Πολυπαραμετρικού Δείκτη για την Εκτίμηση της Οικολογικής Κατάστασης Ορεινών Ρεμάτων και Ποταμών. Ελληνικό Κέντρο Θαλασσίων Ερευνών – Ινστιτούτο Εσωτερικών Υδάτων. Υπουργείο Ανάπτυξης, Δ/ση Υδατικού Δυναμικού & Φυσικών Πόρων. Κύριο Τεύχος 117 σελ. - Παραρτήματα 189 σελ.

5. Range

5.1 Surface area

1225

5.2 Short-term trend Period

2007-2018

5.3 Short-term trend Direction

Decreasing (-)

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

a) Population size 72 with unit number of map 5x5 km grid cells (grids5x5)
 b) Operator
 c) Unknown
 d) Method Basic assumption: Favourable Reference Population = value extracted from Additional Reference Range Map

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)? No
 b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)? Unknown

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

Decreasing (-)

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 1225 km² and its quality is moderate.
 Habitat specialist species. Pressures and threats on its habitat are present.

8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Freshwater fish and shellfish harvesting (recreational) (G06)	H
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	H
Other invasive alien species (other than species of Union concern) (I02)	H
Invasive alien species of Union concern (I01)	M
Physical alteration of water bodies (K05)	H
Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02)	H

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Freshwater fish and shellfish harvesting (professional) (G05) M

Threat Ranking

Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05) H

Freshwater fish and shellfish harvesting (professional) (G05) M

Freshwater fish and shellfish harvesting (recreational) (G06) H

Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01) H

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

Invasive alien species of Union concern (I01) M

Physical alteration of water bodies (K05) M

Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02) H

Other human intrusions and disturbance not mentioned above (H08) M

8.2 Sources of information

PRESSURES: Mainly based on expert judgement and other data.
THREATS: Based on expert opinion.

8.3 Additional information

IAS (I02): *Oncorhynchus mykiss*, *Salmo trutta*

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

Management of hunting, recreational fishing and recreational or commercial harvesting or collection of plants (CG02)

Management, control or eradication of established invasive alien species of Union concern (CI02)

Habitat restoration of areas impacted by transport (CE06)

Management, control or eradication of other invasive alien species (CI03)

Restore habitats impacted by multi-purpose hydrological changes (CJ03)

Reduce impact of multi-purpose hydrological changes (CJ02)

Reduce impact of hydropower operation and infrastructure (CC04)

Management of professional/commercial fishing (including shellfish and seaweed harvesting) (CG01)

9.6 Additional information

10. Future prospects

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10.1 Future prospects of parameters	a) Range	Bad
	b) Population	Bad
	c) Habitat of the species	Poor

10.2 Additional information

11. Conclusions

11.1. Range	Unfavourable - Bad (U2)
11.2. Population	Unfavourable - Bad (U2)
11.3. Habitat for the species	Unfavourable - Inadequate (U1)
11.4. Future prospects	Unfavourable - Bad (U2)
11.5 Overall assessment of Conservation Status	Unfavourable - Bad (U2)
11.6 Overall trend in Conservation Status	Deteriorating (-)
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:
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	20
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	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.	

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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

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