

# 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	1101
1.3 Species scientific name	Acipenser sturio
1.4 Alternative species scientific name	
1.5 Common name (in national language)	Evropaikos Oxyrrynchos

### 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

**Marine Mediterranean (MMED)**

4.2 Sources of information

Economidis P.S., M.Th. Koutrakis & D.C. Bobori, 2000. Distribution and conservation of *Acipenser sturio* and species in the Greek waters. Boletín Instituto Español de Oceanografía, 16(1-4): 81-88.

Koutrakis M.T. & P.S. Economidis, 2006. Did sturgeons return to the river Evros? *Alieftika Nea*, No 306: 68-83 (in Greek).

Economidis, P.S. 1973. Catalogue of fishes of Greece. *Hellenic Oceanology and Limnology*, 11: 421-598 (in Greek).

Economidis, P.S. 1974. Morphological, systematic and biogeographical study of the freshwater fishes of East Macedonia nad West Thracia. Published by the Aristotle University of Thessaloniki, 179 p. (in Greek).

Koutrakis E., Sapounidis A., L. Favre-Krey, G. Krey, P.S. Economidis. 2011. Incidental catches of Acipenseridae in the estuary of the River Evros, Greece. *J. Appl. Ichthyol.*, 27: 366–368.

### 5. Range

5.1 Surface area

8

5.2 Short-term trend Period

2007-2018

5.3 Short-term trend Direction

Unknown (x)

5.4 Short-term trend Magnitude

a) Minimum

b) Maximum



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6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size b) Operator c) Unknown                      x d) Method
6.16 Change and reason for change in population size	No change The change is mainly due to:
6.17 Additional information	No samples. Data came only from existing literature, combined with expert judgment.

## 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)? <b>Unknown</b>  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 8 km <sup>2</sup> and its quality is unknown.

## 8. Main pressures and threats

### 8.1 Characterisation of pressures/threats

Pressure	Ranking
Other human intrusions and disturbance not mentioned above (H08)	H
Threat	Ranking
Other human intrusions and disturbance not mentioned above (H08)	H

8.2 Sources of information

PRESSURES: Based only on expert judgements.  
 THREATS: Based on expert opinion.

8.3 Additional information

## 9. Conservation measures

9.1 Status of measures	a) Are measures needed? <b>No</b>  b) Indicate the status of measures
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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	Unknown
	b) Population	Unknown
	c) Habitat of the species	Unknown

10.2 Additional information

## 11. Conclusions

11.1. Range Unknown (XX)

11.2. Population Unknown (XX)

11.3. Habitat for the species Unknown (XX)

11.4. Future prospects Unknown (XX)

11.5 Overall assessment of Conservation Status Unknown (XX)

11.6 Overall trend in Conservation Status

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
	b) Minimum
	c) Maximum
	d) Best single value

12.2 Type of estimate

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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

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. The presence of the species in the Aegean, is reported by various authors. In the past and until 1980, the fishing of the species was performed in the area of Evros river Delta, where a small scale canning industry was situated (Economidis et al. 2000, Koutrakis et al. 2009). In 2005 a young specimen of the species was caught in the area of River Evros Delta, indicating probably the presence of a small population.

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

## BIOGEOGRAPHICAL LEVEL

### 4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

**Mediterranean (MED)**



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6.3 Type of estimate	
6.4 Additional population size (using population unit other than reporting unit)	a) Unit                      number of map 1x1 km grid cells (grids1x1) b) Minimum c) Maximum d) Best single value    606
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
6.16 Change and reason for change in population size	No change The change is mainly due to:
6.17 Additional information	No samples. Data came only from existing literature, combined with expert judgment.

## 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 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	

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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 606 km<sup>2</sup> and its quality is bad.

## 8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02)	H
Other human intrusions and disturbance not mentioned above (H08)	H
Modification of hydrological flow (K04)	H
Freshwater fish and shellfish harvesting (professional) (G05)	H

Threat	Ranking
Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02)	H
Other human intrusions and disturbance not mentioned above (H08)	H
Modification of hydrological flow (K04)	H
Freshwater fish and shellfish harvesting (professional) (G05)	H

8.2 Sources of information

PRESSURES: Based only on expert judgements.  
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

Reduce impact of hydropower operation and infrastructure (CC04)

Reduce impact of other specific human actions (CH03)

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

Reduce impact of multi-purpose hydrological changes (CJ02)

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

9.6 Additional information

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## 10. Future prospects

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

10.2 Additional information

## 11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unfavourable - Bad (U2)
11.4. Future prospects	Unfavourable - Bad (U2)
11.5 Overall assessment of Conservation Status	Unfavourable - Bad (U2)
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:
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

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## 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

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