

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	2488
1.3 Species scientific name	<i>Acipenser stellatus</i>
1.4 Alternative species scientific name	
1.5 Common name (in national language)	Astroxyrichi

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

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.

Gerakis, P.A., S. Tsiouris & Vassiliki Tsiaoussi (editors). 2007. Water regime and biota: proposed minimum values of loakes water level and rivers discharge in Macedonia and Thrace, Greece. The Goulandris Natural History Museum/Greek Biotope-Wetland Centre. Thermi. 256 p. (in Greek).

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

450

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

5.5 Short-term trend Method used

Insufficient or no data available

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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 ²) b) Operator c) Unknown x d) Method	
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 b) Minimum c) Maximum d) Best single value	
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 448	
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		

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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)? 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

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 450 km² 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)	M

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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? 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

9.6 Additional information

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

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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

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, even though there are questions on the validity of this information. However, there was a capture of a young specimen in the Thracian coast, which confirms the presence of the species in the North Aegean Sea (Economidis et al. 2000). But, as the above authors mentioned, there is a possibility this specimen to originate from an aquaculture unit situated in Bulgaria.

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).

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