

Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	GR
0.2.1 Species code	1101
0.2.2 Species name	Acipenser sturio
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Evropaikos Oxyrrynchos

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Estimate based on expert opinion with no or minimal sampling (1)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	Yes
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Marine Mediterranean (MMED)

2.2 Published sources

Economidis P.S., M.Th. Koutrakis & D.C. Bobori, 2000. Distribution and conservation of *Acipenser sturio* and species in the Greek waters. Boletin Instituto Espanol de Oceanografia, 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. Publishd 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.

2.3 Range

2.3.1 Surface area - Range (km ²)	8
2.3.2 Method - Range surface area	Estimate based on expert opinion with no or minimal sampling (1)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	unknown (x)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) operator N/A unkown Yes method
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

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2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	N/A		
	min		max	
2.4.2 Population size (other than individuals)	Unit	number of map 1x1 km grid cells (grids1x1)		
	min	8	max	8
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems	No samples. Data came only from existing literature, combined with expert judgment.		
2.4.4 Year or period	2006-2012			
2.4.5 Method – population size	Estimate based on expert opinion with no or minimal sampling (1)			
2.4.6 Short-term trend period	2001-2012			
2.4.7 Short term trend direction	unknown (x)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)			
2.4.10 Long-term trend period				
2.4.11 Long term trend direction	N/A			
2.4.12 Long-term trend magnitude	min		max	confidence interval
2.4.13 Long-term trend method	N/A			
2.4.14 Favourable reference population	number			
	operator	N/A		
	unknown	Yes		
	method			
2.4.15 Reason for change	Improved knowledge/more accurate data	Use of different method		

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	8
2.5.2 Year or period	2006-2012
2.5.3 Method used - habitat	Estimate based on expert opinion with no or minimal sampling (1)
2.5.4 a) Quality of habitat	Unknown
2.5.4 b) Quality of habitat - method	No samples. Data came only from existing literature, combined with expert judgment.
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	unknown (x)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km ²)	0
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A
reduction in migration/ migration barriers (J03.02.01)	high importance (H)	N/A

2.6.1 Method used – pressures based only on expert judgements (1)

2.7 Main Threats

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Threat	ranking	pollution qualifier(s)
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A
reduction in migration/ migration barriers (J03.02.01)	high importance (H)	N/A

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

The % threshold could not be used for the assessment since: a) a different method for assessing range was employed, compared to the 2nd Reporting

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 2.3.1) = value extracted from "Range Map" (field 1.1.5).

ii) "Favourable Reference Range" (field 2.3.9a) = a) "Surface Area Range" (field 2.3.1) 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 2.4.2) = value extracted from "Distribution Map" (field 1.1.1) or "Additional Distribution Map" (field 1.1.4) (when provided).

iv) "Favourable Reference Population" (field 2.4.14) = a) "Population Size" (field 2.4.2) 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 2.5.1) = "Distribution Map" (field 1.1.1) or "Additional Distribution Map" (field 1.1.4) (when provided).

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range assessment Unknown (XX)
qualifiers N/A

2.9.2. Population assessment Unknown (XX)
qualifiers N/A

2.9.3. Habitat assessment Unknown (XX)
qualifiers N/A

2.9.4. Future prospects assessment Unknown (XX)
qualifiers N/A

2.9.5 Overall assessment of Conservation Status Unknown (XX)

2.9.5 Overall trend in Conservation Status N/A

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size Unit number of map 1x1 km grid cells (grids1x1)

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	min	8	max	8
3.1.2 Method used	Estimate based on expert opinion with no or minimal sampling (1)			
3.1.3 Trend of population size within	unknown (x)			

3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Maintain Enhance
Establish protected areas/sites (6.1)	Legal Administrative One-off	low importance (L)	Inside	Enhance Long term

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Mediterranean (MED)

2.2 Published sources

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

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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.

2.3 Range

2.3.1 Surface area - Range (km ²)	606			
2.3.2 Method - Range surface area	Estimate based on expert opinion with no or minimal sampling (1)			
2.3.3 Short-term trend period	2001-2012			
2.3.4 Short-term trend direction	unknown (x)			
2.3.5 Short-term trend magnitude	min		max	
2.3.6 Long-term trend period				
2.3.7 Long-term trend direction	N/A			
2.3.8 Long-term trend magnitude	min		max	
2.3.9 Favourable reference range	area (km ²)		operator	N/A
	unkown		method	Yes
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method			

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	N/A		
	min		max	

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2.4.2 Population size (other than individuals)	Unit	number of map 1x1 km grid cells (grids1x1)		
	min	606	max	606
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems	No samples. Data came only from existing literature, combined with expert judgment.		
2.4.4 Year or period	2006-2012			
2.4.5 Method – population size	Estimate based on expert opinion with no or minimal sampling (1)			
2.4.6 Short-term trend period	2001-2012			
2.4.7 Short term trend direction	unknown (x)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)			
2.4.10 Long-term trend period				
2.4.11 Long term trend direction	N/A			
2.4.12 Long-term trend magnitude	min		max	confidence interval
2.4.13 Long-term trend method	N/A			
2.4.14 Favourable reference population	number			
	operator	N/A		
	unknown	Yes		
	method			
2.4.15 Reason for change	Improved knowledge/more accurate data Use of different method			

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	606			
2.5.2 Year or period	2006-2012			
2.5.3 Method used - habitat	Estimate based on expert opinion with no or minimal sampling (1)			
2.5.4 a) Quality of habitat	Bad			
2.5.4 b) Quality of habitat - method	Based on expert judgement.			
2.5.5 Short term trend period	2001-2012			
2.5.6 Short term trend direction	unknown (x)			
2.5.7 Long-term trend period				
2.5.8 Long term trend direction	N/A			
2.5.9 Area of suitable habitat (km ²)	0			
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method			

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
small hydropower projects, weirs (J02.05.05)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A
reduction in migration/ migration barriers (J03.02.01)	high importance (H)	N/A
dykes and flooding defence in inland water systems (J02.12.02)	high importance (H)	N/A

2.6.1 Method used – pressures based only on expert judgements (1)

2.7 Main Threats

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Threat	ranking	pollution qualifier(s)
small hydropower projects, weirs (J02.05.05)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A
reduction in migration/ migration barriers (J03.02.01)	high importance (H)	N/A
dykes and flooding defence in inland water systems (J02.12.02)	high importance (H)	N/A

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

The % threshold could not be used for the assessment since: a) a different method for assessing range was employed, compared to the 2nd Reporting 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:

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2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range assessment Unknown (XX)
qualifiers N/A

2.9.2. Population assessment Unknown (XX)
qualifiers N/A

2.9.3. Habitat assessment Bad (U2)
qualifiers unknown (x)

2.9.4. Future prospects assessment Bad (U2)
qualifiers unknown (x)

2.9.5 Overall assessment of Conservation Status Bad (U2)

2.9.5 Overall trend in Conservation Status unknown (x)

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3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size	Unit	number of map 1x1 km grid cells (grids1x1)		
	min	98	max	98
3.1.2 Method used	Estimate based on expert opinion with no or minimal sampling (1)			
3.1.3 Trend of population size within	unknown (x)			

3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Enhance
Establish protected areas/sites (6.1)	Legal Administrative One-off	low importance (L)	Inside	Enhance Long term