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

0.1 Member State	**IT**
0.2.1 Species code	**1100**
0.2.2 Species name	**Acipenser naccarii**
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	storione cobice

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 partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	1999-2011
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Alpine (ALP)**
2.2 Published sources	The present species assessment (fields 0.1-2.9) has been compiled by Alessandra Ippoliti, Andrea Sibilia (Associazione Italiana Ittiologi Acque dolci - AIIAD) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (Institute for Environmental Protection and Research - ISPRA). Information, unpublished data and experts' judgments have been provided by Francesco Nonnis Marzano, Massimo Lorenzoni, Giuseppe Maio, Massimo Pascale, Armando Piccinini, Elisabetta Pizzul, Cesare M. Puzzi, Lorenzo Tancioni, Paolo Turin (AIIAD). ERSAF, 2012. Programma della Pesca e dell'Acquacoltura della Regione Lombardia. 2012-2014. Piano approvato con DGR n. 4245 del 25/10/2012; Regione Lombardia, 2009. Programma della Pesca e dell'Acquacoltura della Regione Lombardia 2007-2009.

2.3 Range

2.3.1 Surface area - Range (km²)		
2.3.2 Method - Range surface area	N/A	
2.3.3 Short-term trend period		
2.3.4 Short-term trend direction	N/A	
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 (km²)	
	operator	N/A
	unkown method	No
2.3.10 Reason for change		

2.4 Population

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

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

2.4.2 Population size (other than individuals)	Unit	N/A		
	min		max	
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems			
2.4.4 Year or period				
2.4.5 Method – population size	N/A			
2.4.6 Short-term trend period				
2.4.7 Short term trend direction	N/A			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	N/A			
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	No		
	method			
2.4.15 Reason for change				

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	N/A
2.5.4 a) Quality of habitat	
2.5.4 b) Quality of habitat - method	
2.5.5 Short term trend period	
2.5.6 Short term trend direction	N/A
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km²)	
2.5.10 Reason for change	

2.6 Main Pressures

2.6.1 Method used – pressures	N/A

2.7 Main Threats

2.7.1 Method used – threats	N/A

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends	
2.8.2 Other relevant Information	
2.8.3 Trans-boundary assessment	

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

2.9.1 Range	assessment	N/A
	qualifiers	N/A

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

2.9.2. Population	assessment	N/A
	qualifiers	N/A
2.9.3. Habitat	assessment	N/A
	qualifiers	N/A
2.9.4. Future prospects	assessment	N/A
	qualifiers	N/A
2.9.5 Overall assessment of Conservation Status	N/A	
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	N/A	
	min		max
3.1.2 Method used	Absent data (0)		
3.1.3 Trend of population size within	N/A		

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
Specific single species or species group management measures (7.4)	Legal	high importance (H)	Both	Long term
Restoring/improving water quality (4.1)	Legal	low importance (L)	Both	Long term
Other wetland-related measures (4.0)	One-off	high importance (H)	Both	Enhance

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Continental (CON)

The present species assessment (fields 0.1-2.9) has been compiled by Alessandra Ippoliti, Andrea Sibilia (Associazione Italiana Ittiologi Acque dolci - AIIAD) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (Institute for Environmental Protection and Research - ISPRA). Information, unpublished data and experts' judgments have been provided by Francesco Nonnis Marzano, Massimo Lorenzoni, Giuseppe Maio, Massimo Pascale, Armando Piccinini, Elisabetta Pizzul, Cesare M. Puzzi, Lorenzo Tancioni, Paolo Turin (AIIAD).

Distribution data for the following Nature 2000 sites have been inserted by the Ministry of Environment (source: Italian Nature 2000 database): IT2050005; IT2060015; IT20A0007; IT20A0017; IT20A0019; IT20A0020; IT2080019; IT20B0006; IT20B0010; IT3320030; IT4060005.

AAVV, 2007. Il recupero dello storione cobice in Italia. Action Plan. Progetto Life 04NAT/IT/000126 “Conservation and Breeding of Italian Cobice Endemic Sturgeon”, pp VI+133;
Castaldelli & Rossi, 2008. Carta ittica dell'Emilia-Romagna Zone B e A. Regione

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

Emilia Romagna;
Dataset ETP 1988-2012. Regione Friuli Venezia Giulia;
G.R.A.I.A. Srl, 2004. Progetto Life-Natura di "Conservazione di Salmo marmoratus e Rutilus pigus nel Fiume Ticino" - Life-nat00/it/7268. Dati non pubblicati;
G.R.A.I.A. Srl, 2006. Progetto di "Conservazione di Acipenser naccarii nel Fiume Ticino e nel medio corso del Po" - Life-nat03/it/000113. Dati non pubblicati;
G.R.A.I.A. Srl, 2007. Aggiornamento della Carta delle Vocazioni Ittiche della Provincia di Milano. Dati non pubblicati.
Lombardi, 2002. Carta provinciale delle vocazioni ittiche della Provincia di Cremona. Settore Agricoltura, Caccia e Pesca;
Mappatura effettuata mediante GIS attraverso la georeferenziazione su griglia UE 10 km delle segnalazioni archiviate sulla Banca Dati Regionale (aggiornamento 2010);
Provincia di Milano, 1999-2005. Verbali dei recuperi di pesce compiuti nei canali della rete irrigua. Dati non pubblicati;
Provincia di Pavia, 2007. Aggiornamento della Carta Ittica della Provincia di Pavia. Rapporto tecnico pubblicato sul web;
Provincia di Verona, 2008. Carta Ittica della Provincia di Verona. Rapporto tecnico pubblicato sul web;
Puzzi C.M., Monicelli F., Trasforini S., Riva M., Gentili G., 2001. Carta ittica della Provincia di Mantova. Provincia di Mantova. Società G.R.A.I.A. srl . Technical Report, unpublished document.

2.3 Range

2.3.1 Surface area - Range (km²)	22900	
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)	
2.3.3 Short-term trend period	2001-2012	
2.3.4 Short-term trend direction	decrease (-)	
2.3.5 Short-term trend magnitude	min	max
2.3.6 Long-term trend period	1989-2012	
2.3.7 Long-term trend direction	decrease (-)	
2.3.8 Long-term trend magnitude	min	max
2.3.9 Favourable reference range	area (km²)	
	operator	much more than (>>)
	unkown	No
	method	Expert opinion
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	
2.4.2 Population size (other than individuals)	Unit	number of map 10x10 km grid cells (grids10x10)		
	min	55	max	55
2.4.3 Additional information	Definition of locality			
	Conversion method	not available		
	Problems	it's not possible to convert grids into individuals		
2.4.4 Year or period	1999-2011			
2.4.5 Method – population size	Estimate based on partial data with some extrapolation and/or modelling (2)			
2.4.6 Short-term trend period	2001-2012			

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

2.4.7 Short term trend direction	decrease (-)		
2.4.8 Short-term trend magnitude	min	max	confidence interval
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)		
2.4.10 Long-term trend period	1989-2012		
2.4.11 Long term trend direction	decrease (-)		
2.4.12 Long-term trend magnitude	min	max	confidence interval
2.4.13 Long-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)		
2.4.14 Favourable reference population	number		
	operator	much more than (>>)	
	unknown	No	
	method	Expert opinion	
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 (km²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Moderate
2.5.4 b) Quality of habitat - method	Expert opinion
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	stable (0)
2.5.7 Long-term trend period	1989-2012
2.5.8 Long term trend direction	decrease (-)
2.5.9 Area of suitable habitat (km²)	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
poaching (F05.04)	high importance (H)	N/A
surface water abstractions for agriculture (J02.06.01)	high importance (H)	N/A
reduction in migration/ migration barriers (J03.02.01)	high importance (H)	N/A
Sand and gravel extraction (C01.01)	medium importance (M)	N/A
Fishing and harvesting aquatic resources (F02)	medium importance (M)	N/A
invasive non-native species (I01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
estuarine and coastal dredging (J02.02.02)	medium importance (M)	N/A
large scale water deviation (J02.03.01)	medium importance (M)	N/A
Modification of hydrographic functioning, general (J02.05)	medium importance (M)	N/A
predation (K03.04)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	low importance (L)	N/A

2.6.1 Method used – pressures	mainly based on expert judgement and other data (2)

2.7 Main Threats

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

Threat	ranking	pollution qualifier(s)
poaching (F05.04)	high importance (H)	N/A
surface water abstractions for agriculture (J02.06.01)	high importance (H)	N/A
reduction in migration/ migration barriers (J03.02.01)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
estuarine and coastal dredging (J02.02.02)	medium importance (M)	N/A
large scale water deviation (J02.03.01)	medium importance (M)	N/A
Modification of hydrographic functioning, general (J02.05)	medium importance (M)	N/A
predation (K03.04)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	low importance (L)	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 efforts made in the last years for the defragmentation of the hydrographic net of Northern Italy will enlarge the species' range in the short term, improving the general status of Acipenser naccarii.
In particular, the future realization of a fishpass at Isola Serafini Dam will remove the main barrier for the fish migration.

2.8.3 Trans-boundary assessment:

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

2.9.1 Range: assessment Bad (U2); qualifiers N/A

2.9.2. Population: assessment Bad (U2); qualifiers N/A

2.9.3. Habitat: assessment Inadequate (U1); qualifiers N/A

2.9.4. Future prospects: assessment Inadequate (U1); qualifiers N/A

2.9.5 Overall assessment of Conservation Status: Bad (U2)

2.9.5 Overall trend in Conservation Status: improving (+)

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

3.1 Population

3.1.1 Population Size: Unit N/A

min max

3.1.2 Method used: Absent data (0)

3.1.3 Trend of population size within: N/A

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

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 Recurrent	low importance (L)	Both	Not evaluated
Managing water abstraction (4.3)	Legal Recurrent	low importance (L)	Both	Not evaluated
Specific single species or species group management measures (7.4)	Legal	high importance (H)	Both	Long term
Restoring/improving water quality (4.1)	Legal Recurrent	high importance (H)	Both	Long term Not evaluated
Other species management measures (7.0)	One-off	high importance (H)	Both	Long term

Notes

Species name: Acipenser naccarii (1100) Region code: CON

Field label	Note	User
2.3.1 Surface area - Range (km²)	The area of the range has been calculated also summing up the grid cells of species' presence in the adjacent biogeographical region of marginal presence. Only cells entirely overlapped to the marginal area have been summed up, in order to avoid an overestimation of the overall species' range.	ISPRA_AUNA

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