

# 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	1163
0.2.2 Species name	Cottus gobio
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	scazzone

## 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	1998-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

### 2.2 Published sources

### Mediterranean (MED)

The present species assessment (fields 0.1-2.9) has been compiled by Alessandra Ippoliti, Andrea Sibia (Associazione Italiana Ittiologi Acque dolci - AIAD) 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 Information, unpublished data and experts' judgments have been provided by Francesco Nonnis Marzano, Massimo Lorenzoni, Giuseppe Maio, Massimo Pascale, Armando Piccinini, Elisabetta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 (AIAD).

Pascale M., Chines A., 2009. Carta ittica della Provincia di Lucca. Fipsas - Enal Pesca - Arci pesca Fisa, Comitati Regionali Toscani - Unpem Coordinamento Regionale Toscano. Technical Report. Provincia di Lucca. 403 pp.

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	N/A
2.3.2 Method - Range surface area	N/A
2.3.3 Short-term trend period	N/A
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	N/A
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 <sup>2</sup> ) operator N/A unkown No method
2.3.10 Reason for change	

### 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	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				
<b>2.5 Habitat for the Species</b>				
2.5.1 Surface area - Habitat (km <sup>2</sup> )				
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 (km <sup>2</sup> )				
2.5.10 Reason for change				
<b>2.6 Main Pressures</b>				
2.6.1 Method used – pressures	N/A			
<b>2.7 Main Threats</b>				
2.7.1 Method used – threats	N/A			
<b>2.8 Complementary Information</b>				
2.8.1 Justification of % thresholds for trends				
2.8.2 Other relevant Information				
2.8.3 Trans-boundary assessment				
<b>2.9 Conclusions (assessment of conservation status at end of reporting period)</b>				
2.9.1 Range	assessment	N/A		
	qualifiers	N/A		

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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

## 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 Sibia (Associazione Italiana Ittiologi Acque dolci - AIAD) 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 (AIAD).

Distribution data for the following Nature 2000 sites have been inserted by the Ministry of Environment (source: Italian Nature 2000 database): IT4080014; IT3320025; IT5310010; IT5310016; IT1180005; IT1120014; IT1160003; IT1321313.

Dataset ETP 1988-2012. Regione Friuli Venezia Giulia;  
De Paoli A., Santini Simoncelli M., Grilli P., Esposito L., 2007. Carta Ittica delle acque correnti - Provincia di Pesaro e Urbino - Gestione e Tutela delle Acque Interne. Carta ittica delle Marche;  
G.R.A.I.A. Srl, 2003. Conservazione della trota marmorata nel Parco Adda Sud. Parco Adda Sud. Technical Report, unpublished document;  
G.R.A.I.A. Srl, 2003. Progetto di conservazione della Trota marmorata nel Parco

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Adda Nord. Parco Adda Nord. Technical Report, unpublished document;  
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. Life-Nature Programm, Consorzio Parco Lombardo della Valle del Ticino, Pontevecchio di Magenta (MI). Technical Reports, unpublished documents;  
G.R.A.I.A. Srl, 2005. Carta Ittica della Provincia di Brescia - Provincia di Brescia, settore Caccia e Pesca. Provincia di Brescia, 468 pp.;  
G.R.A.I.A. Srl, 2011. Contenimento siluro, nell'ambito del progetto "Attivazione di un network per il contenimento delle specie ittiche invasive nei SIC della Provincia di Varese". Unpublished data;  
Lombardi C., 2002. Carta provinciale delle vocazioni ittiche. Provincia di Cremona, Settore Agricoltura, Caccia e Pesca, 400 pp.;  
Lorenzoni M., Esposito L, 2012. Carta Ittica delle Marche. Pubblicato sul web. 631 pp.  
Lorenzoni M., Ghetti L., Carosi A., Dolcianni R., 2010, La fauna ittica e i corsi d'acqua dell'Umbria. Sintesi delle Carte Ittiche regionali dal 1986 al 2009. Petrucci Editore, Perugia. 288 pp.;  
Luciani L., Petri P., 2008. Pianificazione e tutela delle acque nel Parco Nazionale dei Monti Sibillini. Quaderni scientifico-divulgativi N. 14, 41 pp.;  
Marconato E., Maio G., Salviati S., 2000. La fauna ittica della Provincia di Venezia. Provincia di Venezia, Ass. Caccia, Pesca e Polizia Provinciale, 176 pp.;  
Marconi M., 2006. Carta Ittica della Provincia di Macerata - Acque di Categoria "A". Technical Report, published on internet. 75 pp.;  
Mearelli M., 2006. I corsi d'acqua e i pesci del Parco. Quaderni scientifico-divulgativi del Parco Nazionale Monti Sibillini, Visso. Carta ittica delle Marche;  
Mearelli M., La Porta G., Leoni P., Lorenzoni M., Carosi A., Cingolani L., Ghetti L., Mossone M., Uzzoli C., 2001. Carta Ittica Regionale. Bacino del F. Chiascio e F. Topino. Assessorato Agricoltura e foreste, Servizio Programmazione Forestale, Faunistico Venatoria, Economia montana. Technical Report, published on internet. 280 pp.;  
Melotti P., Roncarati A., Dees A., Felici A., Fortini L., 2007. Carta Ittica della Provincia di Ancona. Carta ittica delle Marche;  
Pascale M., Chines A., 2009. Carta ittica della Provincia di Lucca. Fipsas - Enal Pesca - Arci pesca Fisa, Comitati Regionali Toscani - Unpem Coordinamento Regionale Toscano. Technical Report. Provincia di Lucca. 403 pp.;  
Provincia di Bergamo, 2001. Carta Ittica della provincia di Bergamo. Provincia di Bergamo, 150 pp.;  
Provincia di Como, 2005. Carta ittica della Provincia di Como. Unpublished data;  
Provincia di Lecco, 2008. Carta delle vocazioni ittiche. Piano ittico Provinciale. Provincia di Lecco, 308 pp.;  
Provincia di Pistoia, 2001. Carta Ittica della provincia di Pistoia. Rapporto tecnico pubblicato sul web. 151 pp;  
Provincia di Treviso, 2012. Carta ittica della Provincia di Treviso, aggiornamento 2008-2010. Rapporto tecnico pubblicato sul web. 181 pp;  
Provincia di Verona, 2008. Carta Ittica della Provincia di Verona. Rapporto tecnico pubblicato sul web. 210 pp.  
Provincia di Vicenza, 2012. Aggiornamenti della Carta Ittica della Provincia di Vicenza;  
Regione Emilia-Romagna, 2002. Carta ittica dell'Emilia-Romagna Zona "D". Regione Emilia-Romagna, 313 pp.;  
Turin P., Locatelli R., 2010 "Carta Ittica – Aggiornamento dello stato delle conoscenze sui popolamenti ittici della Provincia di Padova". Ed. Provincia di Padova, 332 pp;

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Turin P., Maio G., Zanetti M., Bilò M.F., Rossi V., Salviati S., 1999. Carta Ittica delle acque interne. Provincia di Rovigo, Assessorato alla pesca., 130 pp.;  
 Turin P., Zanetti M., Caudullo G., Tioli S., Tuzzato B., Mazzetti G., Patroncini D., Turrin D., Zocca A. 2008 – Presenza e distribuzione delle specie ittiche di interesse comunitario nelle acque interne del Veneto, in relazione alle aree SIC. In M. Bon, L. Bonato, F. Scarton (eds.), 2008. Atti 5° Convegno Faunisti Veneti. Boll. Mus. Civ. St. Nat. Venezia, suppl. al vol. 58, pp. 368.;  
 Zanetti M., Turin P., Grava Vanin B., Bilò M.F., Rossi V., Guerra D., Loro R., 2000. Carta ittica della Provincia di Belluno. Prov. Belluno, Ass. Pesca e Tutela delle Acque, 287 pp.

## 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	35200
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 (km <sup>2</sup> ) operator 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 135 max 135
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	1998-2012
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
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

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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 <sup>2</sup> )	
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	decrease (-)
2.5.7 Long-term trend period	1989-2012
2.5.8 Long term trend direction	decrease (-)
2.5.9 Area of suitable habitat (km <sup>2</sup> )	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	low importance (L)	N/A
invasive non-native species (I01)	high importance (H)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
Water abstractions from surface waters (J02.06)	low importance (L)	N/A
surface water abstractions for agriculture (J02.06.01)	low importance (L)	N/A
management of aquatic and bank vegetation for drainage purposes (J02.10)	high importance (H)	N/A
antagonism arising from introduction of species (K03.05)	high importance (H)	N/A

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

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	low importance (L)	N/A
invasive non-native species (I01)	high importance (H)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
Water abstractions from surface waters (J02.06)	low importance (L)	N/A
surface water abstractions for agriculture (J02.06.01)	low importance (L)	N/A
management of aquatic and bank vegetation for drainage purposes (J02.10)	high importance (H)	N/A
antagonism arising from introduction of species (K03.05)	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

2.8.3 Trans-boundary assessment

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

2.9.1 Range	assessment Inadequate (U1) 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 Bad (U2) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Bad (U2)
2.9.5 Overall trend in Conservation Status	declining (-)

## 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
Other wetland-related measures (4.0)	One-off	high importance (H)	Both	Long term
Restoring/improving water quality (4.1)	Legal Recurrent	low importance (L)	Both	Unknown
Restoring/improving the hydrological regime (4.2)	One-off	high importance (H)	Inside	Maintain Enhance
Managing water abstraction (4.3)	Legal Administrative Recurrent One-off	low importance (L)	Both	Unknown
Establish protected areas/sites (6.1)	Administrative	medium importance (M)	Inside	Maintain Enhance Long term
Legal protection of habitats and species (6.3)	Administrative Recurrent	low importance (L)	Both	Unknown
Other species management measures (7.0)	Administrative	high importance (H)	Both	Long term
Regulation/ Management of hunting and taking (7.1)	Administrative Recurrent	low importance (L)	Both	Unknown
Regulating/Management exploitation of natural resources on land (9.1)	Legal Administrative Recurrent One-off	low importance (L)	Both	Unknown



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## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

### 2.2 Published sources

#### Alpine (ALP)

The present species assessment (fields 0.1-2.9) has been compiled by Alessandra Ippoliti, Andrea Sibia (Associazione Italiana Ittiologi Acque dolci - AIAD) 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 (AIAD).

Dataset ETP 1988-2012. Regione Friuli Venezia Giulia;  
G.R.A.I.A. Srl, 2000 R. Carta delle vocazioni ittiche della provincia di Varese. Provincia di Varese, Luinostamp Germignana (VA), 264 pp;  
G.R.A.I.A. Srl, 2000. Analisi delle popolazioni di temolo nei fiumi del Nord Italia. Associazione Thymallus, 200 pp.  
G.R.A.I.A. Srl, 2000. Biodiversità nell'Alto Bacino del Fiume Oglio, 180 pp. Parco Oglio Nord. Technical Report, unpublished document;  
G.R.A.I.A. Srl, 2000. Monitoraggio della qualità delle acque del Fiume Sesia e studio di due specie ittiche pregiate: il Temolo e la Trota marmorata, 210 pp. Technical Report, unpublished document;  
G.R.A.I.A. Srl, 2005. Carta Ittica della Provincia di Brescia - Provincia di Brescia, settore Caccia e Pesca. Provincia di Brescia, 468 pp.;  
G.R.A.I.A. Srl, 2007. Carta Ittica del Fiume Po. Autorità di Bacino del Fiume Po, Parma. Technical Report, unpublished document;  
G.R.A.I.A. Srl, 2009. Monitoraggio ante operam della realizzazione di un sistema integrato di fitodepurazione a servizio del Comune di Castello Cabiaglio, 27 pp. Technical Report, unpublished document;  
G.R.A.I.A. Srl, 2011. Contenimento siluro, nell'ambito del progetto "Attivazione di un network per il contenimento delle specie ittiche invasive nei SIC della Provincia di Varese". Unpublished data;  
Lombardi C., 2002. Carta provinciale delle vocazioni ittiche. Provincia di Cremona, Settore Agricoltura, Caccia e Pesca, 400 pp.;  
Marconato E., Maio G., Salviati S., 2000. La fauna ittica della Provincia di Venezia. Provincia di Venezia, Ass. Caccia, Pesca e Polizia Provinciale, 176 pp.;  
Perosino G., 2006. Monitoraggio della fauna ittica in Piemonte. Regione Piemonte, unpublished data;  
Piccola guida ittiofauna dei biotopi della provincia di Trento, Carta ittica provincia di Trento, Monitoraggi ad hoc riserve naturali provinciali;  
Provincia di Bergamo, 2001. Carta Ittica della provincia di Bergamo. Provincia di Bergamo, 150 pp.;  
Provincia di Bolzano, carte di distribuzione della fauna ittica presenti sul sito (<http://www.provincia.bz.it/foreste/pesca/carta-distributiva.asp>);  
Provincia di Como, 2005. Carta ittica della Provincia di Como. Unpublished data;  
Provincia di Imperia, 2010. Monitoraggi Ittici. Unpublished data;  
Provincia di Lecco, 2008. Carta delle vocazioni ittiche. Piano ittico Provinciale. Provincia di Lecco, 308 pp.;  
Provincia di Savona, 2009. Terza Carta ittica della provincia di Savona. Rapporto tecnico pubblicato sul web. 22 pp.;  
Provincia di Savona, 2009. Terza Carta ittica della provincia di Savona. Rapporto tecnico pubblicato sul web. 22 pp.;  
Provincia di Sondrio, 1998. Ittiofauna e gestione della pesca in provincia di



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Sondrio. Edoardo Fusi editore, 101 pp.;

Provincia di Treviso, 2012. Carta ittica della Provincia di Treviso, aggiornamento 2008-2010. Rapporto tecnico pubblicato sul web. 181 pp.;

Provincia di Verona, 2008. Carta Ittica della Provincia di Verona. Rapporto tecnico pubblicato sul web. 210 pp.;

Provincia di Vicenza, 2012. Aggiornamenti della Carta Ittica della Provincia di Vicenza;

Regione Piemonte, 2009. Ittiofauna del Piemonte (anno di monitoraggio 2009) - Testo di illustrazione dei parametri fisiogeografici relativi agli ambienti fluviali ed allo stato delle popolazioni ittiche - tabella riassuntiva dati.xls Technical Report, published on internet;

Turin P., Locatelli R., 2010 "Carta Ittica – Aggiornamento dello stato delle conoscenze sui popolamenti ittici della Provincia di Padova". Ed. Provincia di Padova, 332 pp.;

Turin P., Maio G., Zanetti M., Bilò M.F., Rossi V., Salviati S., 1999. Carta Ittica delle acque interne. Provincia di Rovigo, Assessorato alla pesca., 130 pp.;

Turin P., Zanetti M., Caudullo G., Tioli S., Tuzzato B., Mazzetti G., Patroncini D., Turrin D., Zocca A. 2008 – Presenza e distribuzione delle specie ittiche di interesse comunitario nelle acque interne del Veneto, in relazione alle aree SIC. In M. Bon, L. Bonato, F. Scarton (eds.), 2008. Atti 5° Convegno Faunisti Veneti. Boll. Mus. Civ. St. Nat. Venezia, suppl. al vol. 58, pp. 368;

Ufficio Caccia e Pesca della Provincia Autonoma di Bolzano;

Zanetti M., Turin P., Grava Vanin B., Bilò M.F., Rossi V., Guerra D., Loro R., 2000. Carta ittica della Provincia di Belluno. Prov. Belluno, Ass. Pesca e Tutela delle Acque, 287 pp.

## 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	50500
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 (km <sup>2</sup> )
	operator more than (>)
	unknown 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	254 max 254
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	1998-2012	

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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		
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	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 (km <sup>2</sup> )	Absent data (0) Moderate Expert opinion 2001-2012 decrease (-) 1989-2012 decrease (-) Improved knowledge/more accurate data Use of different method
2.5.2 Year or period	
2.5.3 Method used - habitat	
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	
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	
2.5.9 Area of suitable habitat (km <sup>2</sup> )	
2.5.10 Reason for change	

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	low importance (L)	N/A
invasive non-native species (I01)	high importance (H)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
Water abstractions from surface waters (J02.06)	low importance (L)	N/A
surface water abstractions for agriculture (J02.06.01)	low importance (L)	N/A
management of aquatic and bank vegetation for drainage purposes (J02.10)	high importance (H)	N/A
antagonism arising from introduction of species (K03.05)	high importance (H)	N/A
2.6.1 Method used – pressures	mainly based on expert judgement and other data (2)	

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	low importance (L)	N/A
invasive non-native species (I01)	high importance (H)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A

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Water abstractions from surface waters (J02.06)	low importance (L)	N/A
surface water abstractions for agriculture (J02.06.01)	low importance (L)	N/A
management of aquatic and bank vegetation for drainage purposes (J02.10)	high importance (H)	N/A
antagonism arising from introduction of species (K03.05)	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

2.8.3 Trans-boundary assessment

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

2.9.1 Range assessment Inadequate (U1)  
qualifiers N/A

2.9.2. Population assessment Inadequate (U1)  
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 Inadequate (U1)

2.9.5 Overall trend in Conservation Status declining (-)

## 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
Other wetland-related measures (4.0)	One-off	low importance (L)	Both	Long term
Restoring/improving water quality (4.1)	Legal Recurrent	medium importance (M)	Both	Enhance Unknown
Restoring/improving the hydrological regime (4.2)	Legal Recurrent One-off	high importance (H)	Both	Maintain Enhance Long term Not evaluated

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Managing water abstraction (4.3)	Legal Recurrent One-off	medium importance (M)	Both	Enhance Unknown Not evaluated
Legal protection of habitats and species (6.3)	Legal Administrative Recurrent	medium importance (M)	Both	Unknown Not evaluated
Other species management measures (7.0)	Administrative	high importance (H)	Both	Long term
Regulation/ Management of hunting and taking (7.1)	Administrative Recurrent	low importance (L)	Both	Unknown
Regulation/ Management of fishery in limnic systems (7.2)	Legal	medium importance (M)	Both	Not evaluated
Regulating/Management exploitation of natural resources on land (9.1)	Legal Administrative Recurrent One-off	low importance (L)	Both	Unknown