

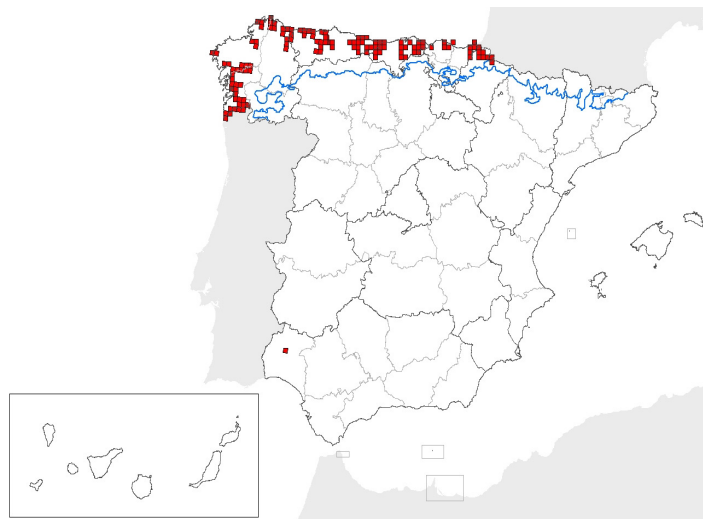
Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Salmo salar

1. National level

Biogeographical regions and/or marine regions concerned within the Member State: **ALP ATL**

map-distribution



2. Biogeographical or marine level

2.1 Biogeographical region or marine region: **ALPINE**

2.2 Published sources and/or websites:

Doadrio, I. (ed.). 2001. Atlas y Libro Rojo de los peces continentales de España.

Lamuela, M. & Alvaez, J. (ed.) 2004. Un viaje de ida y vuelta. IV Jornadas del Salmón atlántico en la Península Ibérica. Gobierno de Navarra-GAVRN.

2.3 Range of the species type in the biogeographic region or marine region

- 2.3.1 Surface area of species range in km2: 97,45
- 2.3.2 Date of range determination: 2006
- 2.3.3 Quality of data concerning range: Good e.g based on extensive surveys
- 2.3.4 Range trend: Stable (=)
- 2.3.5 Range trend magnitude in km2 (optional):
- 2.3.6 Range trend period: 1992-2006
- 2.3.7 Reasons for reported trend:
and/or specify

2.4 Population of the species in the biogeographic region or marine region

2.4.1 Population size estimation:

Population size estimation (minimum)	Population size estimation (maximum)	Population units
1	1	Number of localities

- 2.4.2 Date of population estimation: 2006
- 2.4.3 Methods used for population estimation: Based on expert opinion
- 2.4.4 Quality of data on area: Poor e.g. based on very incomplete data or on expert judgement
- 2.4.5 Population trend: Unknown (X)
- 2.4.6 Population trend magnitude (km2):
- 2.4.7 Population trend period:

Salmo salar

2.4.8 Reasons for reported trend: Direct human influence (restoration, deterioration, destruction)
and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures: 502 - roads, motorways
852 - modifying structures of inland water courses
853 - management of water levels

2.4.11 Threats 502 - roads, motorways
852 - modifying structures of inland water courses
853 - management of water levels

2,5 Habitat for the species in the biogeographic region or marine region

2.5.1 Habitats for the species:

2.5.2 Area estimation (km2):

2.5.3 Date of estimation:

2.5.4 Quality of the data:

2.5.5 Trend of the habitat:

2.5.6 Trend period:

2.5.7 Reasons for reported trend: NotApplicable

Other (specify):

2.6 Future prospects for the species: Bad prospects - species likely to be become extinct in the biogeographical region

2.7 Complementary information

2.7.1 Favourable reference range (km2):

2.7.2 Favourable reference population:

2.7.3 Suitable habitat for the species (km2):

2.7.4 Other relevant information (optional):

Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Unknown (XX)	
Conclusions: (2.4) Population:	Unknown (XX)	
Conclusions: (2.5) Habitat for the species:	Unknown (XX)	
Conclusions: (2.6) Future prospects:	Unknown (XX)	
Conclusions: Overall assessment:	Unknown (XX)	

2.1 Biogeographical region or marine region: ATLANTIC

2.2 Published sources and/or websites:

Doadrio, I., Elvira, B. & Y. Bernat (Eds.). (1991). Peces continentales españoles: Inventario y clasificación de zonas fluviales. ICONA

Braña, F. (Coord.) (1995). Biología y conservación del salmón atlántico (Salmo salar) en los ríos de la región cantábrica. ICONA

Doadrio, I. (Eds.). (2001). Atlas y libro rojo de los peces continentales de España. Dirección General para la Conservación de la Naturaleza. Museo Nacional de Ciencias Naturales

Nores, C. & P. García-Rovés (Coord.) (2007). Libro Rojo de la fauna del Principado de Asturias. Consejería de Medio Ambiente Ordenación del Territorio e Infraestructuras del Principado de Asturias.

GOBIERNO VASCO. 1994-2005. Red de Vigilancia de la calidad de las masas de agua superficial de la Comunidad Autónoma del País Vasco. (URL: <http://www.euskadi.net/r33->

Salmo salar

2288/eu/contenidos/informe_estudio/red_masas_agua_superficial/es_red_agua/indice.html)

DIPUTACIÓN FORAL DE GIPUZKOA. 1996-2005. Red de control de calidad de los ríos de Gipuzkoa.

DOADRIO, I. (Ed.) 2001. Atlas y libro rojo de los peces continentales de España. CSIC y Ministerio de Medio Ambiente, Madrid.

ÁLVAREZ, J. et al. 1998. Vertebrados continentales: situación actual en la Comunidad Autónoma del País Vasco. Gobierno Vasco.

ÁLVAREZ, J., BEA, A., FAUS, J.M., CASTIÉN, E. y MENDIOLA, I. 1985. Atlas de los Vertebrados Continentales de Araba, Vizcaya y Guipúzcoa (excepto Chiroptera). Servicio Central de Publicaciones del Gobierno Vasco

GARCIA DE LEÁNIZ, C. & MARTINEZ, J.J. 1988. The Atlantic salmon in Spain with particular reference to Cantabria. En Atlantic salmon: planning for the future, eds. Mills, D. & Piggins, D. (Croom Helm, London) pp179-209.

GARCÍA DE LEÁNIZ, C., SERDIO, A. & CONSUEGRA, S. 2001. Situación actual del salmón atlántico en Cantabria. En El Salmón, Joya de Nuestros Ríos (C. García de Leániz, A. Serdio, & S. Consuegra, eds), pp. 55-81. Santander: Consejería de Ganadería, Agricultura y Pesca. Dirección General de Montes y Conservación de la Naturaleza.

SERDIO, A. 2005. Biología y conservación del salmón atlántico (Salmo salar) en Cantabria. Consejería de Ganadería, Agricultura y Pesca. Dirección General de Montes y Conservación de la Naturaleza. Informe inédito.

SERDIO, A. 2007. Salmón atlántico Salmo salar (Linnaeus, 1758) en Cantabria. Plan Marco de Gestión de los LICs en la Comunidad Autónoma de Cantabria. Gobierno de Cantabria, Consejería de Desarrollo Rural, Ganadería, Pesca y Biodiversidad. Dirección General de Biodiversidad. Informe inédito.

CMA (2005). Plan Galego de Ordenación dos Recursos Piscícolas e Ecosistemas Acuáticos Continentais. Consellería de Medio Ambiente. Xunta de Galicia. Santiago, 119

Doadrio, I. (Ed.) (2001). Atlas y Libro Rojo de los Peces Continentales de España. DGCN-Museo Nacional de Ciencias Naturales (CSIC). Madrid, 364

Hervella, P. & Caballero, F. (1999). Inventario Piscícola dos Ríos Galegos. Consellería de Medio Ambiente. Xunta de Galicia. Santiago, 126

SGHN (1995). Atlas de Vertebrados de Galicia. Consello da Cultura Galega. Ponencia de Patrimonio Natural. Tomos I y II. Santiago.

2.3 Range of the species type in the biogeographic region or marine region

2.3.1 Surface area of species range in km2:	10631,74
2.3.2 Date of range determination:	1990-2007
2.3.3 Quality of data concerning range:	Good e.g based on extensive surveys
2.3.4 Range trend:	Stable (=)
2.3.5 Range trend magnitude in km2 (optional):	
2.3.6 Range trend period:	1995-2007
2.3.7 Reasons for reported trend:	Direct human influence (restoration, deterioration, destruction)
	and/or specify

2.4 Population of the species in the biogeographic region or marine region

2.4.1 Population size estimation:			
	Population size estimation (minimum)	Population size estimation (maximum)	Population units
	166		Number of localities
2.4.2 Date of population estimation:			
2.4.3 Methods used for population estimation:	From comprehensive inventory		
	Extrapolation from surveys of part of the population or from sampling		
2.4.4 Quality of data on area:			
2.4.5 Population trend:			
2.4.6 Population trend magnitude (km2):			

Salmo salar

2.4.7 Population trend period:	1986-2007
2.4.8 Reasons for reported trend: and/or specify:	Direct human influence (restoration, deterioration, destruction)
2.4.9 Justification of % thresholds for trends (optional):	
2.4.10 Main pressures:	210 Professional fishing 220 Leisure fishing 300 Sand and gravel extraction 700 Pollution 701 - water pollution 850 Modification of hydrographic functioning, general 890 Other human induced changes in hydraulic conditions 960 Interspecific faunal relations 964 - genetic pollution
2.4.11 Threats	210 Professional fishing 220 Leisure fishing 300 Sand and gravel extraction 700 Pollution 701 - water pollution 830 Canalisation 850 Modification of hydrographic functioning, general 853 - management of water levels 890 Other human induced changes in hydraulic conditions 960 Interspecific faunal relations 964 - genetic pollution

2,5 Habitat for the species in the biogeographic region or marine region

2.5.1 Habitats for the species:	Cursos principales y afluentes de ríos cantábricos hasta el límite accesible de ma
2.5.2 Area estimation (km2):	
2.5.3 Date of estimation:	
2.5.4 Quality of the data:	
2.5.5 Trend of the habitat:	
2.5.6 Trend period:	
2.5.7 Reasons for reported trend: Other (specify):	

2.6 Future prospects for the species:

2.7 Complementary information

2.7.1 Favourable reference range (km2):	
2.7.2 Favourable reference population:	
2.7.3 Suitable habitat for the species (km2):	
2.7.4 Other relevant information (optional):	

Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Unknown (XX)	
Conclusions: (2.4) Population:	Unknown (XX)	
Conclusions: (2.5) Habitat for the species:	Unknown (XX)	
Conclusions: (2.6) Future prospects:	Unknown (XX)	

Salmo salar

Conclusions: Overall assessment:

Unknown (XX)