

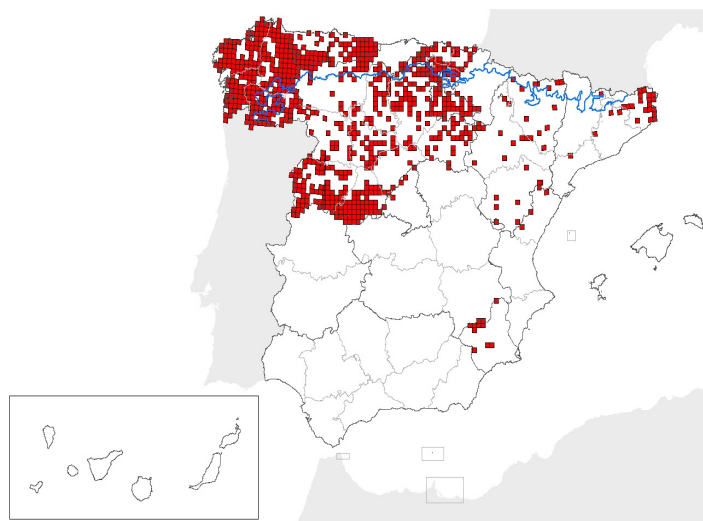
Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Mustela putorius

1. National level

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

map-distribution



2. Biogeographical or marine level

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

2.2 Published sources and/or websites:

- Palomo L.J. y Gisbert J. 2002. Atlas de mamíferos terrestres de España. Dirección General de Conservación de la Naturaleza- SECEM- SECEMU, Madrid, 564 pp.- Blanco J.C. 1998. Mamíferos de España. Ed Planeta. Barcelona.

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

- 2.3.1 Surface area of species range in km2: 492,47
- 2.3.2 Date of range determination: 2002
- 2.3.3 Quality of data concerning range: Poor e.g. based on very incomplete data or on expert judgement
- 2.3.4 Range trend: Unknown (X)
- 2.3.5 Range trend magnitude in km2 (optional):
- 2.3.6 Range trend period:
- 2.3.7 Reasons for reported trend: Unknown
- 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
8		Number of localities

2.4.2 Date of population estimation:

2.4.3 Methods used for population estimation:

2.4.4 Quality of data on area:

2.4.5 Population trend: Unknown (X)

2.4.6 Population trend magnitude (km2):

2.4.7 Population trend period:

2.4.8 Reasons for reported trend: Unknown

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and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

- 2.4.10 Main pressures:
- 110 Use of pesticides
171 - stock feeding
180 Burning
243 - trapping, poisoning, poaching
400 Urbanised areas, human habitation
430 Agricultural structures
- 2.4.11 Threats
- 110 Use of pesticides
171 - stock feeding
180 Burning
243 - trapping, poisoning, poaching
400 Urbanised areas, human habitation
430 Agricultural structures

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

- 2.5.1 Habitats for the species:
- Generalista, ocupando ambientes tan diversos como bosques de coníferas, caduci
- 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: Unknown

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:

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

Nores, C. & García-Rovés, P. 2007. Libro Rojo de la Fauna del Principado de Asturias. Consejería de Medio Ambiente, Ordenación del Territorio e Infraestructuras del Principado de Asturias-Obra Social “la Caixa”.

Velasco, J.C., Lizana, M., Román, J., Delibes, M. & Fernández, J. 2005. Guía de los peces, anfibios, reptiles y mamíferos de Castilla y León. Náyade Editorial. Medina del Campo (Valladolid).

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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.

PALOMO, L.J. y GISBERT, J. 2002. Atlas de los mamíferos terrestres de España. Dirección General de Conservación de la Naturaleza. Ministerio de Medio Ambiente.

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

ILLANA, A. y PANIAGUA, D. 2002. Atlas de Distribución de Carnívoros en el Territorio Histórico de Álava. Departamento de Agricultura y Pesca, Gobierno Vasco. Informe inédito. (URL: http://www.ingurumena.ejgv.euskadi.net/r49-3613/eu/contenidos/informacion/investigacion_bio/eu_1096/adjuntos/atlas_carnivoros.pdf)

GONZÁLEZ-ESTEBAN, J. y VILLATE, I. 2005. Red de seguimiento de carnívoros en la Comunidad Autónoma del País Vasco. Dirección de Biodiversidad, Gobierno Vasco. Informe inédito. (URL: www.euskadi.net/r33-2732/es/contenidos/informe_estudio/seguimiento_carnivoros/es_est/adjuntos/documento.pdf)

PANIAGUA, D, ECHEGARAY, J. e ILLANA, A. 2004. Carnívoros terrestres en los bosques-isla de la Llanada Alavesa. Dirección de Biodiversidad, Gobierno Vasco. Informe inédito. (URL: www.ingurumena.ejgv.euskadi.net/.../contenidos/informacion/investigacion_bio/es_1096/adjuntos/2002_gaden.pdf)

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

2.3.1 Surface area of species range in km2:	31952
2.3.2 Date of range determination:	1970-2007
2.3.3 Quality of data concerning range:	Moderate e.g. based on partial data with some extrapolation
2.3.4 Range trend:	Unknown (X)
2.3.5 Range trend magnitude in km2 (optional):	
2.3.6 Range trend period:	
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:	<table><tr><th>Population size estimation (minimum)</th><th>Population size estimation (maximum)</th><th>Population units</th></tr><tr><td></td><td>422</td><td>Number of localities</td></tr></table>		Population size estimation (minimum)	Population size estimation (maximum)	Population units		422	Number of localities										
Population size estimation (minimum)	Population size estimation (maximum)	Population units																
	422	Number of localities																
2.4.2 Date of population estimation:	2002-2007																	
2.4.3 Methods used for population estimation:	Extrapolation from surveys of part of the population or from sampling																	
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:																		
2.4.8 Reasons for reported trend:																		
and/or specify:																		
2.4.9 Justification of % thresholds for trends (optional):																		
2.4.10 Main pressures:	<table><tr><td>160</td><td>General Forestry management</td></tr><tr><td>167</td><td>- forest exploitation without replanting</td></tr><tr><td>180</td><td>Burning</td></tr><tr><td>190</td><td>Agriculture and forestry activities not referred to above</td></tr><tr><td>243</td><td>- trapping, poisoning, poaching</td></tr><tr><td>400</td><td>Urbanised areas, human habitation</td></tr><tr><td>701</td><td>- water pollution</td></tr><tr><td>850</td><td>Modification of hydrographic functioning, general</td></tr></table>		160	General Forestry management	167	- forest exploitation without replanting	180	Burning	190	Agriculture and forestry activities not referred to above	243	- trapping, poisoning, poaching	400	Urbanised areas, human habitation	701	- water pollution	850	Modification of hydrographic functioning, general
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400	Urbanised areas, human habitation																	
701	- water pollution																	
850	Modification of hydrographic functioning, general																	

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2.4.11 Threats

- 853 - management of water levels
- 972 - parasitism
- 990 Other natural processes
- 160 General Forestry management
- 167 - forest exploitation without replanting
- 180 Burning
- 190 Agriculture and forestry activities not referred to above
- 243 - trapping, poisoning, poaching
- 400 Urbanised areas, human habitation
- 701 - water pollution
- 850 Modification of hydrographic functioning, general
- 853 - management of water levels
- 972 - parasitism
- 990 Other natural processes

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

- 2.5.1 Habitats for the species: Riberas de ríos y zonas húmedas:
- 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: Unknown (X)
- 2.5.6 Trend period:
- 2.5.7 Reasons for reported trend:
- Other (specify):

2.6 Future prospects for the species: Unknown

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: MEDITERRANEAN

2.2 Published sources and/or websites:

Palomo, L.J. y Gisbert, J. 2002. Atlas de los Mamíferos terrestres de España. Dirección General de Conservación de la Naturaleza-SECEM-SECEMU, Madrid, 564 pp.

Velasco, J.C., Lizana, M., Román, J., Delibes, M. & Fernández, J. 2005. Guía de los peces, anfibios, reptiles y mamíferos de Castilla y León. Náyade Editorial. Medina del Campo (Valladolid).

DMAH. 2000-2005. Informes internos del DMAH.

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

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AGIRRE-MENDI, P.T., ZALDÍVAR, C., 1991. Contribución al Atlas Mastozológico de la Comunidad Autónoma de La Rioja I. Revista Zubía 9: 65-88.

ICARUS (1995) Catálogo Regional de Especies de Vertebrados amenazados de La Rioja. Gobierno de La Rioja (estudio inédito)

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.

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

ILLANA, A. y PANIAGUA, D. 2002. Atlas de Distribución de Carnívoros en el Territorio Histórico de Álava. Departamento de Agricultura y Pesca, Gobierno Vasco. Informe inédito. (URL: http://www.ingurumena.ejgv.euskadi.net/r49-3613/eu/contenidos/informacion/investigacion_bio/eu_1096/adjuntos/atlas_carnivoros.pdf)

GONZÁLEZ-ESTEBAN, J. y VILLATE, I. 2005. Red de seguimiento de carnívoros en la Comunidad Autónoma del País Vasco. Dirección de Biodiversidad, Gobierno Vasco. Informe inédito. (URL: www.euskadi.net/r33-2732/es/contenidos/informe_estudio/seguimiento_carnivoros/es_est/adjuntos/documento.pdf)

PANIAGUA, D, ECHEGARAY, J. e ILLANA, A. 2004. Carnívoros terrestres en los bosques-isla de la Llanada Alavesa. Dirección de Biodiversidad, Gobierno Vasco. Informe inédito. (URL www.ingurumena.ejgv.euskadi.net/.../contenidos/informacion/investigacion_bio/es_1096/adjuntos/2002_gaden.pdf)

Consejería de Medio Ambiente, Agricultura y Agua, 2006. “Libro Rojo de los Vertebrados de la Región de Murcia”.

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

- 2.3.1 Surface area of species range in km2: 42585
- 2.3.2 Date of range determination: 1970-2007
- 2.3.3 Quality of data concerning range: Poor e.g. based on very incomplete data or on expert judgement
- 2.3.4 Range trend: Unknown (X)
- 2.3.5 Range trend magnitude in km2 (optional):
- 2.3.6 Range trend period:
- 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
	496	Number of localities
- 2.4.2 Date of population estimation: 2002
- 2.4.3 Methods used for population estimation: Extrapolation from surveys of part of the population or from sampling
- 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:
- 2.4.8 Reasons for reported trend:
and/or specify:
- 2.4.9 Justification of % thresholds for trends (optional):
- 2.4.10 Main pressures:
 - 160 General Forestry management
 - 167 - forest exploitation without replanting
 - 180 Burning
 - 190 Agriculture and forestry activities not referred to above

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- 243 - trapping, poisoning, poaching
- 400 Urbanised areas, human habitation
- 701 - water pollution
- 850 Modification of hydrographic functioning, general
- 972 - parasitism
- 990 Other natural processes
- 160 General Forestry management
- 167 - forest exploitation without replanting
- 180 Burning
- 190 Agriculture and forestry activities not referred to above
- 243 - trapping, poisoning, poaching
- 400 Urbanised areas, human habitation
- 701 - water pollution
- 850 Modification of hydrographic functioning, general
- 972 - parasitism
- 990 Other natural processes

2.4.11 Threats

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

- 2.5.1 Habitats for the species: Ecosistemas fluviales y riparios; zonas semi-forestales; Bosques aluviales de Alnus
- 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: Unknown (X)
- 2.5.6 Trend period:
- 2.5.7 Reasons for reported trend:
- Other (specify):

2.6 Future prospects for the species: Unknown

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)	