

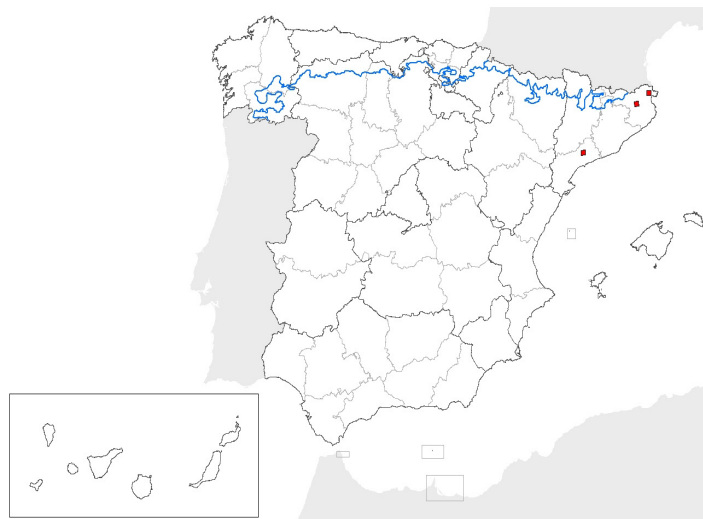
Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Vertigo moulinsiana

1. National level

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

map-distribution



2. Biogeographical or marine level

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

2.2 Published sources and/or websites:

Verdú, J.R. y Galante, E., eds. 2006. Libro rojo de los invertebrados de España. Dirección General para la Biodiversidad, Ministerio de Medio Ambiente, Madrid.

Rosas, G., Ramos, M.A. y García, A. 1991. Invertebrados españoles protegidos por convenios internacionales. Memoria final convenio de cooperación entre ICONA y CSIC. Departamento de Biodiversidad. Museo de Ciencias Naturales, CSIC, Madrid.

Faci, G. 1990. Contribución al conocimiento de diversos moluscos terrestres y su distribución en la CCAA aragonesa. Tesis Doctoral. Universidad de Zaragoza

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

2.3.1 Surface area of species range in km2: 0

2.3.2 Date of range determination:

2.3.3 Quality of data concerning range:

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
0	0	

2.4.2 Date of population estimation:

2.4.3 Methods used for population estimation:

2.4.4 Quality of data on area:

Vertigo moulinsiana

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:	Other (specify)
and/or specify:	
2.4.9 Justification of % thresholds for trends (optional):	
2.4.10 Main pressures:	100 Cultivation 250 Taking / Removal of flora, general 700 Pollution 810 Drainage 853 - management of water levels 952 - eutrophication
2.4.11 Threats	100 Cultivation 250 Taking / Removal of flora, general 700 Pollution 810 Drainage 853 - management of water levels 952 - eutrophication

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:

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:

Verdú, J.R. y Galante, E., eds. 2006. Libro rojo de los invertebrados de España. Dirección General para la Biodiversidad,

Vertigo moulinsiana

Ministerio de Medio Ambiente, Madrid.

Rosas, G., Ramos, M.A. y García, A. 1991. Invertebrados españoles protegidos por convenios internacionales. Memoria final convenio de cooperación entre ICONA y CSIC. Departamento de Biodiversidad. Museo de Ciencias Naturales, CSIC, Madrid.

Faci, G. 1990. Contribución al conocimiento de diversos moluscos terrestres y su distribución en la CCAA aragonesa. Tesis Doctoral. Universidad de Zaragoza

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

- 2.3.1 Surface area of species range in km2: 301,4
- 2.3.2 Date of range determination: 2007
- 2.3.3 Quality of data concerning range:
- 2.3.4 Range trend:
- 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
3		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: Poor e.g. based on very incomplete data or on expert judgement
- 2.4.5 Population trend:
- 2.4.6 Population trend magnitude (km2):
- 2.4.7 Population trend period:
- 2.4.8 Reasons for reported trend: Other (specify)
and/or specify:
- 2.4.9 Justification of % thresholds for trends (optional): Las dos citas de Aragón se consideran dudosas
- 2.4.10 Main pressures:
 - 100 Cultivation
 - 250 Taking / Removal of flora, general
 - 700 Pollution
 - 810 Drainage
 - 853 - management of water levels
 - 952 - eutrophication
- 2.4.11 Threats
 - 100 Cultivation
 - 250 Taking / Removal of flora, general
 - 700 Pollution
 - 810 Drainage
 - 853 - management of water levels
 - 952 - eutrophication

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

- 2.5.1 Habitats for the species: Vegetación palustre de las masas de agua con niveles constantes
- 2.5.2 Area estimation (km2):
- 2.5.3 Date of estimation:

Vertigo moulinsiana

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)	
Conclusions: Overall assessment:	Unknown (XX)	