

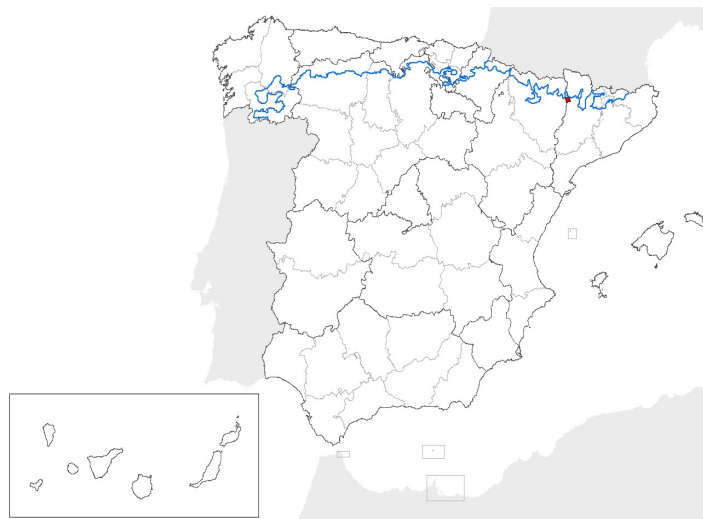
# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

## Borderea chouardii

### 1. National level

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

map-distribution



### 2. Biogeographical or marine level

2.1 Biogeographical region or marine region: **MEDITERRANEAN**

#### 2.2 Published sources and/or websites:

García, M. B. 2003. Demographic viability of a relict population of the critically endangered plant *Borderea chouardii*. *Cons.Biol.* 17: 1672-1680.

García M.B. y Gómez D. (2006). Seguimiento poblacional de *Borderea chouardii* y mantenimiento de la base de datos "Atlas de la flora vascular de Aragón". Instituto Pirenaico de Ecología. Informe inédito para el Gobierno de Aragón.

García M.B., Goñi D., Guzmán D., Iriondo J.M., Cosculluela J., Puente J., Alcántara M., Guiral J. 2007. ¿Cómo gestionar una plantaprácticamente inaccesible y en peligro de extinción? . *Ecosistemas*. 2007/3.

GOÑI D. & GUZMÁN D. (2003) *Borderea chouardii* (Gaussen) Heslot., pp. 146-147. En: Bañares A., Blanca G., Güemes J., Moreno J.C. y Ortiz S. -Eds.- Atlas y libro rojo de la flora vascular amenazada de España. Ministerio de Medio Ambiente. Madrid.

Goñi, D. y Guzmán D. 2003. Conservación de *Borderea chouardii* y *Cypripedium calceolus*. Informe inédito para DGA.

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

- |  |                                       |
|--|---------------------------------------|
| 2.3.1 Surface area of species range in km2:    | 41,74                                 |
| 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:                             | Increasing (+)                        |
| 2.3.5 Range trend magnitude in km2 (optional): |                                       |
| 2.3.6 Range trend period:                      | 1996-2006                             |
| 2.3.7 Reasons for reported trend:              | Improved knowledge/more accurate data |
|  | 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
2068	2780	Number of individuals

## Borderea chouardii

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:	Good e.g based on extensive surveys
2.4.5 Population trend:	Increasing (+)
2.4.6 Population trend magnitude (km2):	
2.4.7 Population trend period:	1996-2002
2.4.8 Reasons for reported trend:	Improved knowledge/more accurate data
and/or specify:	
2.4.9 Justification of % thresholds for trends (optional):	
2.4.10 Main pressures:	502 - roads, motorways 624 - mountaineering, rock climbing, speleology
2.4.11 Threats	520 Shipping 624 - mountaineering, rock climbing, speleology

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

2.5.1 Habitats for the species:	Roquedos calizos orientados al norte, extaplomados o verticales, entre 730 y 1.1
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)	