

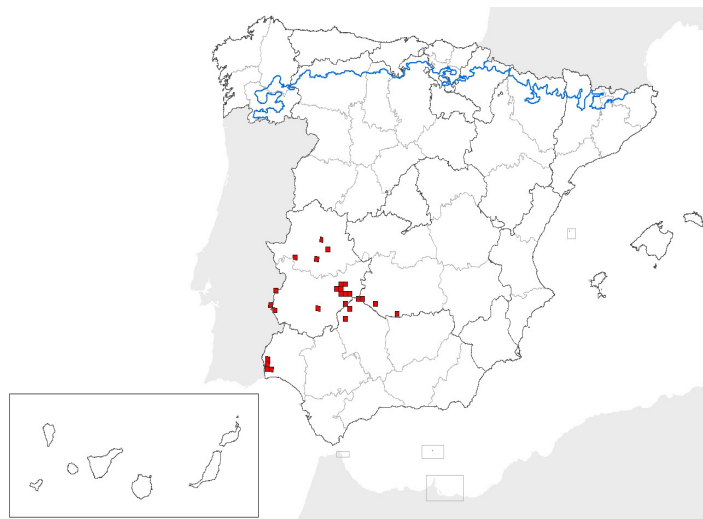
Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Marsilea batardae

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:

Bañares, A., G. Blanca, J. Güemes, J.C. Moreno & S. Ortiz, eds. (2004). Atlas y libro rojo de la flora vascular amenazada de España. Dirección General para la Biodiversidad, Publicaciones del O.A.P.N. Madrid.
http://www.mma.es/porta/cciones/biodiversidad/inventarios/inb/flora_vascular/pdf/902.pdf

Ibars, A.M., J.J. Herrero-Borgoñon, E. Estrelles & I. Martínez (1999) Helechos de la Comunidad Valenciana. Colección Biodiversidad, 6. Generalitat Valenciana.

Estrellés, E., A.M. Ibars & J.J. Herrero-Borgoñon (2001) Situación de las poblaciones valencianas del género Marsilea: Medidas para su conservación. Botanica Complutensis, 25: 241-249.

<http://www.ucm.es/BU/revistas/bio/02144565/articulos/BOCM0101110241A.PDF>

Especies Protegidas de Extremadura: Flora. Consejería de Agricultura y Medio Ambiente, Dirección General de Medio Ambiente, D.L. 2004.

Medina Domingo, L.; Ferrero Lomas, L.M.; Propuesta del Plan de Conservación de Marsilea batardae Launert en el ámbito de la DIA del Proyecto de recrecimiento del embalse de Montoso para la mejora del abastecimiento a Puertollano y su comarca". Enero 2007. Aquavir.

Cirujano Bracamonte, S.; Medina Domingo, L.; Ferrero, L. M^a; Roselló, R.; Meco, A.; Moreno Pérez, M.; Estudio y propuesta de conservación para especies amenazadas en Castilla-La Mancha, Sparganium matans, Limonium soboliferum, Marsilea batardae y Lythrum baeteicum.

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

2.3.1 Surface area of species range in km²: 2403

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:

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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
115838		Number of individuals

2.4.2 Date of population estimation: 2004

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:

- 100 Cultivation
- 101 - modification of cultivation practices
- 102 - mowing / cutting
- 110 Use of pesticides
- 170 Animal breeding
- 301 - quarries
- 701 - water pollution
- 800 Landfill, land reclamation and drying out, general
- 810 Drainage
- 811 - management of aquatic and bank vegetation for drainage purposes
- 820 Removal of sediments (mud...)
- 830 Canalisation
- 840 Flooding
- 850 Modification of hydrographic functioning, general
- 852 - modifying structures of inland water courses
- 853 - management of water levels
- 890 Other human induced changes in hydraulic conditions
- 910 Silting up
- 920 Drying out
- 952 - eutrophication
- 990 Other natural processes

2.4.11 Threats

- 100 Cultivation
- 101 - modification of cultivation practices
- 102 - mowing / cutting
- 110 Use of pesticides
- 170 Animal breeding
- 301 - quarries
- 701 - water pollution
- 800 Landfill, land reclamation and drying out, general
- 810 Drainage
- 811 - management of aquatic and bank vegetation for drainage purposes
- 820 Removal of sediments (mud...)
- 830 Canalisation
- 840 Flooding

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- 850 Modification of hydrographic functioning, general
- 852 - modifying structures of inland water courses
- 853 - management of water levels
- 890 Other human induced changes in hydraulic conditions
- 910 Silting up
- 920 Drying out
- 952 - eutrophication
- 990 Other natural processes

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

2.5.1 Habitats for the species:	Lechos y márgenes de ríos y arroyos estacionales, y embalses, sobre materiales m
2.5.2 Area estimation (km2):	3994
2.5.3 Date of estimation:	1992
2.5.4 Quality of the data:	Poor e.g. based on very incomplete data or on expert judgement
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: 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)	