

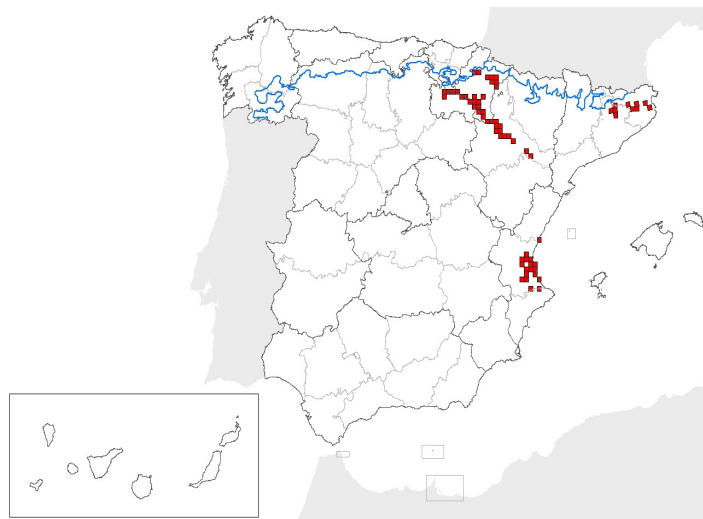
Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Unio elongatulus

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:

Zapater Galve, Manuel; Auraujo Armero, Rafael; Álvarez Halcón, Ramón Manuel; Nakamura Antonacci, Keiko (aut.); Alcántara de la Fuente, Manuel (coord.) / [DGA (Diputación General de Aragón). Departamento de Medio Ambiente. CPN (Consejo de Protección de la Naturaleza de Aragón). 2006. Las almejas de agua dulce en Aragón: Margaritifera auricularia y otros bivalvos. [Zaragoza]. CPN (Consejo de Protección de la Naturaleza de Aragón)

Araujo, Rafael; Gómez, Ignacio; Machordom, Annie. 2005 (ámbito temporal: 2002). The identity and biology of Unio Mancus Lamarck, 1819 (= U. Elongatulus) (Bivalvia : Unionidae) in the Iberian Peninsula = Identificación y biología del Unio Mancus Lamarck en la Península Ibérica.

Altaba, C. (1992a) Les nàiades (Mollusca: Bivalvia: Unionoida) dels Països Catalans. Butll. Inst. Cat. Nist. Nat., 60: 77-103.

Martínez-Ortí, A. & Robles, F. Moluscos continentales de la Comunidad Valenciana. Generalitat Valenciana. Valencia. 2003

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

- | | |
|--|--|
| 2.3.1 Surface area of species range in km2: | 5839,33 |
| 2.3.2 Date of range determination: | 2005-2007 |
| 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: | Decreasing (-) |
| 2.3.5 Range trend magnitude in km2 (optional): | |
| 2.3.6 Range trend period: | 1992-2001 |
| 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:

Unio elongatulus

	Population size estimation (minimum)	Population size estimation (maximum)	Population units
	59	0	Number of localities
2.4.2 Date of population estimation:	2005-2006		
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:	Moderate e.g. based on partial data with some extrapolation		
2.4.5 Population trend:	Decreasing (-)		
2.4.6 Population trend magnitude (km2):			
2.4.7 Population trend period:	1992-2005		
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):	No es posible dar una estimación del número de efectivos, si bien las poblaciones existentes en el río que se han encontrado en el río durante		
2.4.10 Main pressures:	120 Fertilisation 240 Taking / Removal of fauna, general 300 Sand and gravel extraction 301 - quarries 302 - removal of beach materials 420 Discharges 701 - water pollution 820 Removal of sediments (mud...) 830 Canalisation 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 920 Drying out 966 - antagonism arising from introduction of species		
2.4.11 Threats	120 Fertilisation 240 Taking / Removal of fauna, general 300 Sand and gravel extraction 301 - quarries 302 - removal of beach materials 420 Discharges 701 - water pollution 820 Removal of sediments (mud...) 830 Canalisation 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 920 Drying out 966 - antagonism arising from introduction of species		

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

2.5.1 Habitats for the species:	La presencia de sustratos con predominancia de gravas (y con proporciones variab
2.5.2 Area estimation (km2):	1269,53
2.5.3 Date of estimation:	2007
2.5.4 Quality of the data:	Moderate e.g. based on partial data with some extrapolation
2.5.5 Trend of the habitat:	Decreasing (-)
2.5.6 Trend period:	

Unio elongatulus

2.5.7 Reasons for reported trend:

DirectHuman

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:	Inadequate (U1)	
Conclusions: (2.4) Population:	Inadequate (U1)	
Conclusions: (2.5) Habitat for the species:	Unknown (XX)	
Conclusions: (2.6) Future prospects:	Unknown (XX)	
Conclusions: Overall assessment:	Inadequate (U1)	