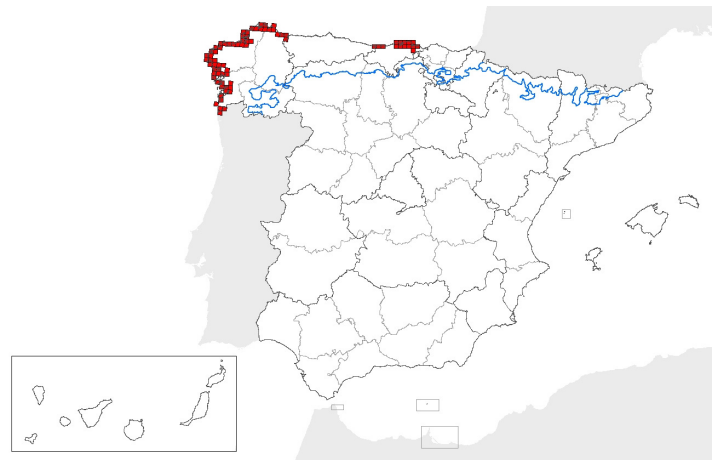


1130 Estuaries

1. National level

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



map-distribution

2. Biogeographical or marine level

2.1 Biogeographical region or marine region: **ATLANTIC**

2.2 Published sources and/or websites:

ALBERDI LÓPEZ, L. & GARCÍA PÉREZ, J. 2005. Asistencia Técnica para la Revisión Cartográfica de los LIC'S Costeros de la Red Natura 2000 en Cantabria. Gobierno de Cantabria. Consejería de Agricultura, Ganadería y Pesca. Dirección General de Montes y Conservación de la Naturaleza. CETYMA, S.L.

BARTOLOMÉ, C. et al. 2003. Atlas y Manual de los Hábitat de España. Dirección General de Conservación de la Naturaleza. Ministerio de Medio Ambiente.

BARTOLOMÉ, C. et al. 2005. Los tipos de hábitat de interés comunitario de España. Dirección General para la Biodiversidad. Ministerio de Medio Ambiente.

European Comission DG Environment. October, 2003. Interpretation Manual of European Union Habitats. EUR 25. NATURA 2000.

GARCÍA PÉREZ, J. 2003. Inventario y Restauración de Valores de Natura 2000 en Cantabria. Gobierno de Cantabria. Consejería de Agricultura, Ganadería y Pesca. Dirección General de Montes y Conservación de la Naturaleza. Tragsa.

HERRERA, M. 1995. Estudio de la Vegetación y Flora Vascular de la Cuenca del Río Asón (Cantabria). GUINEANA, Vol. 1. Universidad del País Vasco.

Ministerio de Medio Ambiente. 1997. Inventario Nacional de Hábitat. Escala 1: 50.000.

Izco, J. (2001). La flora y la vegetación. En: A. Precado Ledo & J. Sancho Comíns (Dir.): Atlas de Galicia. Tomo I: Medio Natural: 219-257. SITGA-Secretaría Xeral de Planificación e Desenvolvemento Comarcal. Consellería da Presidencia. Xunta de Galicia. Santiago de Compostela.

Míguez-Rodríguez, L., González, C. & García-Álvarez, O. (1996). Guía Ecolóxica do Litoral Galego. 390 pp. Edicións Xerais de Galicia. Vigo

CMADS. (2007). Plan director de conservación da Rede Natura 2000 de Galicia. Vol: I-II-III-IV. Lugo.

Ramil et al. 2005. La expresión territorial de la diversidad. Paisajes y hábitats. Recursos Rurais (2005). Serie cursos 2:109-128.

1130 Estuaries

2.3 Range of the habitat type in the biogeographical region or marine region

- 2.3.1 Surface area of range in km²: 5028,9
- 2.3.2 Date of range determination: 1995-2007
- 2.3.3 Quality of data concerning range: Good e.g based on extensive surveys
- 2.3.4 Range trend: Decreasing (-)
- 2.3.5 Range trend magnitude in km² (optional):
- 2.3.6 Range trend period: 1995-2007
- 2.3.7 Reasons for reported trend: Direct human influence (restoration, deterioration, destruction)
Indirect anthropo(zoo)genic influence

and/or specify

2.4 Area covered by habitat type in the biogeographical region or marine region

- 2.4.1 Surface area of the habitat type (km²): 0
- 2.4.2 Date of area estimation:
- 2.4.3 Method used for area estimation:
- 2.4.4 Quality of data on area:
- 2.4.5 Area trend: Decreasing (-)
- 2.4.6 Area trend magnitude (km²):
- 2.4.7 Area trend period: 1995-2007
- 2.4.8 Reasons for reported trend: Direct human influence (restoration, deterioration, destruction)
Indirect anthropo(zoo)genic influence

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

- 2.4.10 Main pressures:
- 210 - Professional fishing
 - 220 - Leisure fishing
 - 300 - Sand and gravel extraction
 - 621 - nautical sports
 - 701 - water pollution
 - 802 - reclamation of land from sea, estuary or marsh
 - 890 - Other human induced changes in hydraulic conditions
 - 910 - Silting up
 - 952 - eutrophication
 - 954 - invasion by a species
- 2.4.11 Threats
- 210 - Professional fishing
 - 220 - Leisure fishing
 - 300 - Sand and gravel extraction
 - 701 - water pollution
 - 954 - invasion by a species

2.5 Complementary information

- 2.5.1 Favourable reference range (km²):
- 2.5.2 Favourable reference area (km²):
- 2.5.3 Typical Species: *Carex spp.*, *Myriophyllum spp.*, *Phragmites australis*, *Potamogeton spp.*, *Ruppia maritima*, *Sarcocornia perennis*, *Scirpus spp.*, *Spartina maritima* (Curtis) Fernald, *Zostera marina* L., *Zostera noltii* Hornem.
- 2.5.4 Typical species assessment: Sin evaluar

1130 Estuaries

2.5.5 Other relevant information (optional):

Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Unknown (XX)	
Conclusions: (2.4) Area:	Unknown (XX)	
Conclusions: (2.5) Structure and function, including typical species:	Unknown (XX)	
Conclusions: Future prospects:	Unknown (XX)	
Conclusions: Overall assessment:	Unknown (XX)	

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

2.2 Published sources and/or websites:

Vigo, J.; Carreras, J. & Ferré, A. (eds.). Manual dels Hàbitats de Catalunya: catàleg dels hàbitats naturals reconeguts en el territori català d'acord amb els criteris establerts pel CORINE biotopes manual de la Unió Europea. Vols I a VII. Departament de Medi Ambient i Habitatge. Generalitat de Catalunya. 2005-2008.

2.3 Range of the habitat type in the biogeographical region or marine region

2.3.1 Surface area of range in km2:	0
2.3.2 Date of range determination:	1997-2003
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:	
2.3.5 Range trend magnitude in km2 (optional):	
2.3.6 Range trend period:	
2.3.7 Reasons for reported trend:	Not applicable
and/or specify	

2.4 Area covered by habitat type in the biogeographical region or marine region

2.4.1 Surface area of the habitat type (km2):	0
2.4.2 Date of area estimation:	1997-2003
2.4.3 Method used for area estimation:	Based on expert opinion
2.4.4 Quality of data on area:	Poor e.g. based on very incomplete data or on expert judgement
2.4.5 Area trend:	
2.4.6 Area trend magnitude (km2):	0
2.4.7 Area trend period:	
2.4.8 Reasons for reported trend:	Not applicable
and/or specify:	
2.4.9 Justification of % thresholds for trends (optional):	
2.4.10 Main pressures:	200 - Fish and Shellfish Aquaculture 210 - Professional fishing 302 - removal of beach materials 701 - water pollution 850 - Modification of hydrographic functioning, general 870 - Dykes, embankments, artificial beaches, general
2.4.11 Threats	200 - Fish and Shellfish Aquaculture 210 - Professional fishing 302 - removal of beach materials

1130 Estuaries

701 - water pollution

850 - Modification of hydrographic functioning, general

870 - Dykes, embankments, artificial beaches, general

2.5 Complementary information

2.5.1 Favourable reference range (km2):

0

2.5.2 Favourable reference area (km2):

0

2.5.3 Typical Species:

Abra ovata, *Alsidium corallinum*, *Anguilla anguilla*, *Cerastoderma edule*, *Cymodocea nodosa*, *Enteromorpha intestinalis*, *Liza ramada*, *Liza saliens*, *Microcoleus lyngbyaceus*, *Phycopomatus enigmaticus*, *Platichthys flesus*, *Pseudolirius kroyeri*, *Pseudomastus deltaicus*, *Radicilingua thysanorhizans*, *Ruppia cirrhosa*, *Salicornia herbacea*, *Scrobicularia plana*, *Ulva curvata*, *Ulvaria oxysperma*, *Zostera noltii*

2.5.4 Typical species assessment:

SIN EVALUAR

2.5.5 Other relevant information (optional):

Conclusion

Biogeographical or marine level

Conclusions within Natura 2000 sites (optional)

Conclusions: (2.3) Range:

Unknown (XX)

Conclusions: (2.4) Area:

Unknown (XX)

Conclusions: (2.5) Structure and function,
including typical species:

Unknown (XX)

Conclusions: Future prospects:

Unknown (XX)

Conclusions: Overall assessment:

Unknown (XX)