

Report on the main results of the surveillance under article 17 for annex I habitat types (Annex D)

CODE: 3120

NAME: Oligotrophic waters containing very few minerals generally on sandy soils of the West Mediterranean, with Isoetes

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.2 Distribution Method	Estimate based on expert opinion with no or minimal sampling (1)
1.1.3 Year or period	2005-2012
1.1.4 Additional map	No
1.1.5 Range Map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published

Mediterranean (MED)

The present Habitat assessment (fields 0.1-3.1) has been compiled by Pierangela Angelini (ISPRA). Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato (SBI), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field 2.7.1)

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Bagella S., Gascon S., Caria M.C., Sala J., Boix D., 2011. Cross-taxon congruence in Mediterranean temporary wetlands: vascular plants, crustaceans, and coleopterans. *Community Ecology* 12(1): 40-50.

Bagella S., Caria M.C., Zuccarello V., 2010. Patterns of emblematic habitat types in Mediterranean temporary wetlands. *C. R. Biologies* 333 (2010) 694–700.

Bagella S. & Caria M.C., 2012. Diversity and ecological characteristics of vascular flora in Mediterranean temporary pools. *C. R. Biologies* 335 (2012) 69–76

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Bagella S., Caria M.C., Farris E., Filigheddu R., 2009. Phytosociological analysis in Sardinian Mediterranean temporary wet habitats. *Fitosociologia* vol. 46 (1): 11-26

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Bagella S., Caria M.C., Molins A., Rosselló J.A., 2011. Different spore structures in sympatric *Isoetes histrix* populations and their relationship with gross morphology, chromosome number, and ribosomal nuclear ITS sequences. *Flora* 206: 451–457.

Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D,

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Gigante D, Lasen C, Spampinato G, Venanzoni R, Zivkovic L (2009a) Italian interpretation Manual of the habitats (92/43/EEC Directive). Ministero dell'Ambiente e della Tutela del Territorio e del Mare. <http://vnr.unipg.it/habitat/>

Blasi et al., 2010. La Vegetazione d'Italia con Carta delle Serie di Vegetazione in scala 1:500000. Palombi ed., Camarda I., Carta L., Brunu A., Brundu G., Laureti L., Angelini P., Bagnaia R., 2011. Carta degli habitat della Regione Sardegna per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche Ecologiche e Geologiche dell'Università degli Studi di Sassari - ISPRA - Regione Sardegna

Casella L., Agrillo E., Bianco P.M., Cardillo A., Carbone M., Cattena C., Laureti L., Lugari A., Spada F., 2008. Carta degli habitat della Regione Lazio per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Università degli Studi di Roma "La Sapienza" - Regione Lazio

ISPRA, 2011. Dati del sistema informativo di Carta della Natura alla scala 1:50.000.

ISPRA, Corine land cover 2006 IV livello. Dati della Rete del sistema Informativo Nazionale Ambientale - SINAnet

ISPRA, 2005. Dati del sistema informativo di Carta della Natura alla scala 1:50.000.

Papini F., Gianguzzi L., Brullo S., Bianco P. M., Angelini P., 2006. Carta degli habitat della Regione Sicilia per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche dell'Università degli Studi di Palermo - Dipartimento di Botanica dell'Università degli Studi di Catania - Regione Sicilia – ISPRA

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

2.3.1 Surface area - Range (km ²)	13500
2.3.2 Range method used	Estimate based on expert opinion with no or minimal sampling (1)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	decrease (-)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) operator more than (>) unkown No method
2.3.10 Reason for change	genuine change No improved knowledge Yes different method Yes

2.4 Area covered by Habitat

2.4.1 Surface area (km ²)	1,44
2.4.2 Year or period	2005-2012
2.4.3 Method used	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.4 Short-term trend period	2001-2012
2.4.5 Short-term trend direction	decrease (-)
2.4.6 Short-term trend magnitude	min max confidence interval

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2.4.7 Short term trend method used	Estimate based on expert opinion with no or minimal sampling (1)		
2.4.8 Long-term trend period			
2.4.9 Long-term trend direction	N/A		
2.4.10 Long-term trend magnitude	min	max	confidence interval
2.4.11 Long term trend method used	N/A		
2.4.12 Favourable reference area	area (km) operator more than (>) unknown No method		
2.4.13 Reason for change	Improved knowledge/more accurate dataUse of different method		

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	low importance (L)	N/A
Leisure fishing (F02.03)	medium importance (M)	N/A
Discharges (E03)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	high importance (H)	N/A
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	medium importance (M)	N/A

2.5.1 Method used – pressures	Estimate based on partial data with some extrapolation and/or modelling(2)
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2.6 Main Threats

Threat	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	low importance (L)	N/A
Leisure fishing (F02.03)	medium importance (M)	N/A
Discharges (E03)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	high importance (H)	N/A
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	medium importance (M)	N/A

2.6.1 Method used – threats	Estimate based on expert opinion with no or minimal sampling(1)
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2.7 Complementary Information

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2.7.1 Species

Isoëtes durieui

Isoëtes histrix

Isoëtes velata

Isoëtes echinospora (= Isoëtes setacea)

Isoëtes tiguliana

Littorella uniflora

Juncus bulbosus

Pilularia globulifera

Pilularia minuta

Marsilea strigosa

Antinoria insularis

Apium crassipes

Baldellia ranunculoides

Damasonium polyspermum

Elatine alsinastrum

Elatine macropoda

Elatine gussonei

Lythrum tribracteatum

Lythrum borysthenicum

Nananthea perpusilla

Ranunculus revelieri

2.7.2 Species method used

Selected by ISPRA's expert from bibliographical and field research

2.7.3 Justification of % - thresholds for trends

2.7.4 Structure and functions - methods used

Estimate based on expert opinion with no or minimal sampling(1)

2.7.5 Other relevant information

2.8 Conclusions (assessment of conservation status at end of reporting period)

2.8.1 Range

assessment Inadequate(U1)
qualifiers N/A

2.8.2 Area

assessment Inadequate(U1)
qualifiers N/A

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2.8.3 Specific structures and functions (incl Species)	assessmentFavourable(FV) qualifiersN/A
2.8.4 Future prospects	assessmentInadequate(U1) qualifiersN/A
2.8.5 Overall assessment of Conservation Status	Inadequate(U1)
2.8.5 Overall trend in Conservation Status	stable(=)

3. Natura 2000 coverage conservation measures - Annex I habitat types on biogeographical level

3.1 Area covered by habitat

3.1.1 Surface area (km²)	min0,9765max0,9765
3.1.2 Method used	Complete survey/Complete survey or a statistically robust estimate (3)
3.1.3. Trend of surface area	N/A

3.2 Conversation Measures