

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

CODE: 3130

NAME: Oligotrophic to mesotrophic standing waters with vegetation of the *Littorelletea uniflorae* and/or of the *Isoëto-Nan*

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map	Yes
1.1.2 Distribution Method	Estimate based on partial data with some extrapolation and/or modelling (2)
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 Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato (SBI), Pietro Massimiliano Bianco and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)

Bagella S., Gascon S., Caria M.C., Sala J., Mariani M.A., Boix D., 2010. Identifying key environmental factors related to plant and crustacean assemblages in Mediterranean temporary ponds. *Biodivers Conserv* 19:1749–1768. DOI 10.1007/s10531-010-9801-5

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

Bagella S., Caria M.C., Farris E. & Filigheddu R., 2007. Issues related to the classification of Mediterranean temporary wet habitats according with the European Union Habitats Directive. *Fitosociologia* vol. 44 (2) suppl. 1: 245-249

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

Bagella S., Caria M.C., 2011. Vegetation series: a tool for the assessment of grassland ecosystem services in Mediterranean large-scale grazing systems. *Fitosociologia* vol. 48 (2) suppl. 1: 47-54

Bagella S., Caria M.C., Farris E., Filigheddu R., 2009. Spatial-time variability and conservation relevance of plant communities in Mediterranean temporary wet habitats: A case study in Sardinia (Italy). *Plant Biosystems*, Vol. 143, No. 3: 435–442

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.

Bianco P.M., Laureti L., Papallo O., Perfetti D. 2012 Carta degli habitat della

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

Regione Umbria per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA

Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D, 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 <sup>2</sup> )	32100
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	unknown (x)
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 <sup>2</sup> ) 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

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

2.4.1 Surface area (km <sup>2</sup> )	15,91
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	unknown (x)
2.4.6 Short-term trend magnitude	min max confidence interval
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
Fertilisation (A08)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
Other human induced changes in hydraulic conditions (J02.15)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	medium importance (M)	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
Fertilisation (A08)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
Other human induced changes in hydraulic conditions (J02.15)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	medium importance (M)	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

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

## 2.7.1 Species

Baldellia ranunculoides

Centaureum pulchellum

Cyperus fuscus

Cyperus flavescens

Cyperus michelianus

Eleocharis spp.

Gnaphalium uliginosum

Juncus bufonius

Juncus bulbosus

Juncus compressus

Juncus tenageja

Juncus heterophyllus

Lythrum hissopifolia

Peplis portula

Ranunculus muricatus

Rorippa spp

Schoenoplectus supinus (=Scirpus supinus)

Scirpus setaceus (= Isolepis setacea)

Stellaria alsine

Riccia spp.

## 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 Unknown( XX)  
qualifiers N/A

### 2.8.2 Area

assessment Unknown( XX)  
qualifiers N/A

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

2.8.3 Specific structures and functions (incl Species)	assessment Unknown( XX) qualifiers N/A
2.8.4 Future prospects	assessment Unknown( XX) qualifiers N/A
2.8.5 Overall assessment of Conservation Status	Unknown( XX)
2.8.5 Overall trend in Conservation Status	N/A

## 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)	min 15,69211 max 15,69211
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

2.1 Biogeographical Region
2.2 Published

### Continental (CON)

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 and Liliana Zivkovic (SBI). Bianco P.M., Laureti L., Papallo O. , Perfetti D. 2012 Carta degli habitat della Regione Umbria per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA

Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D, 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., Brentan D., Burbello A., Avanzi E., Gasparini S., Laureti L., Bianco P.M., 2008. Carta degli habitat della regione Veneto per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Veneto. [http://www.isprambiente.gov.it/site/it-IT/Servizi\\_per\\_l'Ambiente/Sistema\\_Carta\\_della\\_Natura](http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l'Ambiente/Sistema_Carta_della_Natura)

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

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

Nazionale Ambientale - SINAnet

Oriolo G., Dragan M., Ferneti M., Francescato C., Tomasella M., Giorgi R. 2007. Carta degli habitat della regione Friuli Venezia Giulia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA-Regione Friuli Venezia Giulia.

<http://www.isprambiente.gov.it/site/it->

IT/Servizi\_per\_l'Ambiente/Sistema\_Carta\_della\_Natura

Pesaresi S, Biondi E, Casavecchia S, Catorci A, Foglia M., 2007. Il Geodatabase del Sistema Informativo Vegetazionale delle Marche. Fitosociol 44 (2) suppl. 1: 95-101 <http://www.ortobotanico.univpm.it/cartography>

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

2.3.1 Surface area - Range (km <sup>2</sup> )	50600
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 <sup>2</sup> ) operator much more than (>>) unknown 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 <sup>2</sup> )	96,75
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
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 much more than (>>) unknown No method
2.4.13 Reason for change	Improved knowledge/more accurate dataUse of different method

## 2.5 Main Pressures

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

Pressure	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
Leisure fishing (F02.03)	medium importance (M)	N/A
Other human induced changes in hydraulic conditions (J02.15)	high importance (H)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	medium importance (M)	N/A

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

## 2.6 Main Threats

Threat	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
Leisure fishing (F02.03)	medium importance (M)	N/A
Other human induced changes in hydraulic conditions (J02.15)	high importance (H)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	medium importance (M)	N/A

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

## 2.7 Complementary Information

### 2.7.1 Species

Potamogeton polygonifolius
Juncus bulbosus subsp. Bulbosus
Eleocharis acicularis
Juncus bufonius
Scirpus setaceus (= Isolepis setacea)
Cyperus fuscus
Cyperus flavescens
Elatine spp
Juncus tenageja
Centaurium pulchellum
Gnaphalium uliginosum
Peplis portula
Samolus valerandi
Crypsis schoenoidis
Centunculus minimus (= Anagallis minima)
Cicendia filiformis

2.7.2 Species method used List from field "combinazione fisionomica di riferimento" of habitat's form in: Manuale Italiano di Interpretazione degli Habitat (Biondi et al., 2009; <http://vnr.unipg.it/habitat/>)

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

2.7.3 Justification of % - thresholds for trends

2.7.4 Structure and functions - methods used

2.7.5 Other relevant information

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

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

2.8.1 Range

assessment Bad( U2)  
qualifiers N/A

2.8.2 Area

assessment Bad( U2)  
qualifiers N/A

2.8.3 Specific structures and functions (incl Species)

assessment Inadequate( U1)  
qualifiers N/A

2.8.4 Future prospects

assessment Inadequate( U1)  
qualifiers N/A

2.8.5 Overall assessment of Conservation Status

Bad( U2)

2.8.5 Overall trend in Conservation Status

declining( -)

## 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)

min 6,42881 max 6,42881

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

2.1 Biogeographical Region

2.2 Published

### Alpine (ALP)

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 Cesare Lasen (SBI).

Brentan D., Burbello A., Avanzi E., Gasparini S., Laureti L., Bianco P.M., 2008. Carta degli habitat della regione Veneto per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Veneto.

[http://www.isprambiente.gov.it/site/it-](http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l%27Ambiente/Sistema_Carta_della_Natura)

IT/Servizi\_per\_l%27Ambiente/Sistema\_Carta\_della\_Natura

Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D, Gigante D, Lasen C, Spampinato G, Venanzoni R, Zivkovic L (2009a) Italian



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

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., 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

Morra di Cella U., Cremonese E., Pari E., Siniscalco C., Amadei M., Angelini P., Cardillo A., 2008. Carta degli habitat della Regione Valle d'Aosta per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - ARPA Valle d'Aosta - Dipartimento Biologia Vegetale Università degli studi di Torino. [http://www.isprambiente.gov.it/site/it-IT/Servizi\\_per\\_l%27Ambiente/Sistema\\_Carta\\_della\\_Natura](http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l%27Ambiente/Sistema_Carta_della_Natura)

Oriolo G., Dragan M., Ferneti M., Francescato C., Tomasella M., Giorgi R. 2007. Carta degli habitat della regione Friuli Venezia Giulia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA-Regione Friuli Venezia Giulia. [http://www.isprambiente.gov.it/site/it-IT/Servizi\\_per\\_l%27Ambiente/Sistema\\_Carta\\_della\\_Natura](http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l%27Ambiente/Sistema_Carta_della_Natura).

WILHALM T., NIKLFELD H. & GUTERMANN W., 2006 - Katalog der Gefäßpflanzen Südtirols. Veröffentlichungen des Naturmuseums Südtirol Nr. 3. Folio Verlag, Wien/Bozen, 218 pp

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

2.3.1 Surface area - Range (km <sup>2</sup> )	39800	
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	stable (0)	
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 <sup>2</sup> )	
	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

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

2.4.1 Surface area (km <sup>2</sup> )	93,51
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	stable (0)
2.4.6 Short-term trend magnitude	min max confidence interval
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)
Leisure fishing (F02.03)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
grazing (A04)	low importance (L)	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)
Leisure fishing (F02.03)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
grazing (A04)	low importance (L)	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

### 2.7.1 Species

Littorella uniflora
Juncus bulbosus
Eleocharis acicularis
Sparganium minimum
Isoetes echinospora
Ranunculus trichophyllus subsp. Eradicatus
Rorippa islandica

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Sparganium angustifolium

Juncus bufonius

Isolepis setacea

Schoenoplectus supinus

Cyperus fuscus

Cyperus flavescens

Elatine sp

Centaurium pulchellum

Limosella aquatica

Gnaphalium uliginosum

Peplis portula

## 2.7.2 Species method used

List from field "combinazione fisionomica di riferimento" of habitat's form in: Manuale Italiano di Interpretazione degli Habitat (Biondi et al., 2009; <http://vnr.unipg.it/habitat/>)

## 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

### 2.8.3 Specific structures and functions (incl Species)

assessment Bad( U2)  
qualifiers N/A

### 2.8.4 Future prospects

assessment Inadequate( U1)  
qualifiers N/A

### 2.8.5 Overall assessment of Conservation Status

Bad( U2)

### 2.8.5 Overall trend in Conservation Status

unknown( x)

## 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)

min 4,4875 max 4,4875

#### 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

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

**Habitat code: 3130 Region code: ALP**

Field label	Note	User
2.4.1 Surface area	La presenza di questo habitat è complessivamente sottorappresentata. Si è tenuto conto, infatti, dei dati ufficialmente comunicati dalle singole regioni e riguardanti spesso i soli SIC. Si sottolinea che l'habitat è certamente presente nei territori alpini ricchi di laghetti, sia pure su piccole superfici e talvolta in condizioni non ottimali. Analogamente, lungo i fiumi principali e in alcuni siti palustri residuali in pianura, è altamente probabile la presenza di frammenti che per la loro dimensione non sono stati segnalati e cartografati. Per questione di metodo e per l'impossibilità di avviare verifiche puntuali sul terreno, non è stato possibile localizzarli.	ISPRA_h abitat