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

CODE: 3170

NAME: Mediterranean temporary ponds

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

Mediterranean (MED)

2.2 Published

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 Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato(SBI), Pietro Massimiliano Bianco and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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Report on the main results of the surveillance under article 17 for annex I habitat types (Annex D)

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

2.3.1 Surface area - Range (km²)	64300	
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 (km²)	
	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 (km²)	26,83		
2.4.2 Year or period	2005-2012		
2.4.3 Method used	Estimate based on expert opinion with no or minimal sampling (1)		
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	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)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	low importance (L)	N/A
Fertilisation (A08)	low importance (L)	N/A
Landfill, land reclamation and drying out, general (J02.01)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	medium importance (M)	N/A
modifying structures of inland water courses (J02.05.02)	high importance (H)	N/A

Water abstractions from groundwater (J02.07)	low importance (L)	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
Fertilisation (A08)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	low importance (L)	N/A
modifying structures of inland water courses (J02.05.02)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	medium importance (M)	N/A
Water abstractions from groundwater (J02.07)	high importance (H)	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

Schenkia spicata (=Centaurium spicatum)
Anagallis arvensis subsp. Parviflora
Centaurium pulchellum
Cicendia filiformis
Crypsis spp.
Cyperus flavescens
Cyperus fuscus
Elatine spp.
Exaculum pusillum
Gnaphalium uliginosum
Isolepis cerbua
Isoëtes spp.
Juncus bufonius
Juncus capitatus
Juncus tenageja
Myosotis caespitosa
Radiola linoides
Riccia spp.
Serapias lingua
Serapias vomeracea

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
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	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)	min	26,0936	max	26,0936
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	**Continental (CON)**
2.2 Published	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), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field 2.7.1). 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

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PIANO DI GESTIONE del SIC-zps IT4070002 "BARDELLO". Rapporto tecnico non pubblicato.

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

2.3.1 Surface area - Range (km²)	7300		
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 (km²)		
	operator	much 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 (km²)	1,93		
2.4.2 Year or period	2005-2012		
2.4.3 Method used	Estimate based on expert opinion with no or minimal sampling (1)		
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

Pressure	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
Modification of hydrographic functioning, general (J02.05)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	low importance (L)	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)	high importance (H)	N/A
Modification of hydrographic functioning, general (J02.05)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	low importance (L)	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
Cicendia filiformis
Crypsis spp
Cyperus flavescens
Cyperus fuscus
Gnaphalium uliginosum
Illecebrum verticillatum
Juncus bufonius
Juncus capitatus
Juncus pygmaeus
Juncus tenageja
Lythrum spp.
Serapias spp.
Centaurium spp.
Isolepis cernua
Isolepis setacea
Mentha pulegium

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

Peplis portula

Radiola linoides

Riccia spp.

Schenkia spicata (=Centaurium spicatum)

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	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	1,9071	max	1,9071
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	**Alpine (ALP)**
2.2 Published	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), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field

2.7.1).
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/
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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

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

2.3.1 Surface area - Range (km²)	2800	
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 (km²)	
	operator	N/A
	unkown	Yes
	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 (km²)	9,5		
2.4.2 Year or period	2005-2012		
2.4.3 Method used	Estimate based on expert opinion with no or minimal sampling (1)		
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		

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2.4.12 Favourable reference area	area (km)	
	operator	N/A
	unknown	Yes
	method	
2.4.13 Reason for change	Improved knowledge/more accurate dataUse of different method	

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
canalisation (J02.03.02)	low importance (L)	N/A

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

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
canalisation (J02.03.02)	low importance (L)	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
Schenkia spicata (= Centaurium spicatum)
Isoëtes spp.
Juncus tenageja
Lythrum tribracteatum
Serapias spp.
Centaurium pulchellum
Isolepis cernua
Isolepis setacea
Lythrum hyssopifolia
Mentha pulegium
Myosotis caespitosa
Peplis portula
Radiola linoides
Ranunculus muricatus
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
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	9,4999	max	9,4999
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

Notes

Habitat code: 3170 Region code: ALP

Field label	Note	User
2.1 Region	Secondo gli esperti ISPRA la presenza dell'habitat in questa regione biogeografica è dubbia	ISPRA_habitat

Habitat code: 3170 Region code: MED

Field label	Note	User
2.4.5 Short time trend direction	Le azioni intraprese con diversi progetti di salvaguardia rendono le prospettive future di questo habitat medie stabili.	ISPRA_habitat
2.4.9 Long term trend direction	Le azioni intraprese con diversi progetti di salvaguardia rendono le prospettive future di questo habitat medie stabili.	ISPRA_habitat
2.4.1 Surface area	In Sicilia la distribuzione dell'habitat è sovradimensionata in relazione al fatto che per i SIC che non riportano dati regionali ma citano nella scheda Natura 2000 la presenza dell'habitat sono stati considerati tutti i quadranti che si sovrappongono ai confini del SIC.	ISPRA_habitat