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

CODE: 7220

NAME: Petrifying springs with tufa formation (Cratoneurion)

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	2006-2012
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

Dimopoulos P., Xystrakis F. and Tsiripidis I. 2014. Deliverable A1. Final Catalogue of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 54.

Dimopoulos P., Fotiadis G., Tsiripidis I., Panitsa M. and Karadimou E. 2014. Deliverable A2. Report and Literature Database on Habitat Types of Greece – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 210.

Tsiripidis I., Xystrakis F., Kasampalis D., Mastrogianni A., Strid A. and Dimopoulos P., 2014. Deliverable A4. Potential Distribution Maps of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, Athens, pages 176.

Dimopoulos P., Tsiripidis I., Xystrakis F., Panitsa M., Fotiadis G., Kallimanis A.S. and Kazoglou I. 2014. Deliverable A6. Explanatory Implementation Manual for the Conservation Degree Assessment of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 35. (with Annexes: I. Habitat types protocols, pages 600; II. Explanatory notes on the habitat types protocols selection, pages 4; III. Correspondence of Habitat types protocols with the clusters of vegetation relevés (excel file).

Dimopoulos P., Tsiripidis I., Xystrakis F., Kallimanis A.S and Panitsa M. 2014. Deliverable A7. Preliminary Analysis of the Field Data for the Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 16.

Βλάχος Α. 2006. Χλωρίδα Βλάστηση και Οικολογία του ορεινού συγκροτήματος τ ων Βαρδουσίων. Διδακτορική Διατριβή. Πανεπιστήμιο Πατρών, σελ. 396.

Ντεμίρη Κ., Κασαπίδου Π., Ζώτος Α., Bergmeier E. & Δημόπουλος. 2006. Οικολογ ία των κοινοτήτων βλάστησης της Pinguicula crystallina subsp. hirtiflora στην περι οχή της Βωβούσας (Εθνικό Πάρκο Βόρειας Πίνδου). Πρακτικά 3ου Επιστημονικο ύ Συνεδρίου της Ελληνικής Οικολογικής Εταιρείας και της Ελληνικής Ζωολογικής Εταιρείας, Ιωάννινα, 16-19 Νοεμβρίου2006: 241-247.

Brullo S., Lo Giudice R. & Privitera M. 1990. Contributo alla briovegetazione igro-idrofila della Grecia. Catania 23: 355-369.

Quézel P. 1967. La vegetation des hauts sommets du Pinde et de l'Olympe de Thessale. Vegetatio XIV (1/4): 127-229.

Quézel P. 1964. Vegetation des hautes montanges de la Grece meriodionale. Vegetatio XII (5/6): 289-385 + 33 Tables.

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

2.3.1 Surface area - Range (km²)		
2.3.2 Range method used	Absent data (0)	
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		

2.4 Area covered by Habitat

2.4.1 Surface area (km²)		
2.4.2 Year or period		
2.4.3 Method used	Absent data (0)	
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
2.4.7 Short term trend method used	Absent data (0)	
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
2.4.11 Long term trend method used	N/A	
2.4.12 Favourable reference area	area (km)	
	operator	N/A
	unknown	Yes
	method	
2.4.13 Reason for change		

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
human induced changes in hydraulic conditions (J02)	low importance (L)	N/A

2.5.1 Method used – pressures	mainly based on expert judgement and other data (2)

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
human induced changes in hydraulic conditions (J02)	low importance (L)	N/A

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

2.6.1 Method used – threats	expert opinion (1)

2.7 Complementary Information

2.7.1 Species
Pinguicula crystallina subsp. Hirtiflora
Cratoneuron commutatum
Parnassia palustris
Molinia arundinacea
Blysmus compressus
Pellia endivifolia
Eucladium verticillatum
Philonotis fontana

2.7.2 Species method used	Phytosociological relevés
2.7.3 Justification of % - thresholds for trends	
2.7.4 Structure and functions - methods used	Complete survey/Complete survey or a statistically robust estimate (3)
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	max
3.1.2 Method used	Absent data (0)	
3.1.3. Trend of surface area	unknown (x)	

3.2 Conversation Measures

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

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Establish protected areas/sites (6.1)	Legal Administrative One-off	medium importance (M)	Inside	Long term Unknown
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Long term Unknown