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

CODE: 1180

NAME: Submarine structures made by leaking gases

1. National Level

1.1 Maps

1.1.1 Distribution Map	No
1.1.2 Distribution Method	N/A
1.1.3 Year or period	
1.1.4 Additional map	No
1.1.5 Range Map	No

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Marine Mediterranean (MMED)

2.2 Published

• HCMR unpublished data (2007-2014).

• Camilli R, Sakellariou D, Foley B, Anagnostou C, Malios A, Bingham B, Eustice R, Goudreau G, Katsaros K, 2007. Investigation of hydrothermal vents in the Aegean Sea using an integrated mass spectrometer and acoustic navigation system onboard a human occupied submersible Rapp. Comm. int. Mer Medit., 38, 78-79

• Etiope G, Papatheodorou G, Christodoulou D, Ferentinos G, Sokos E, Favali P, 2006 Methane and hydrogen sulfide seepage in the NW Peloponnesus petroliferous basin (Greece): origin and geohazard American Association of Petroleum Geologists Bulletin, 90 (5) (2006), pp. 701–713

• Etiope G, Papatheodorou G, Christodoulou D, Ferentinos G, Sokos E, Favali P, 2006. Methane and hydrogen sulfide seepage in the NW Peloponnesus petroliferous basin (Greece): origin and geohazard American Association of Petroleum Geologists Bulletin, 90 (5) (2006), pp. 701–714

• Papatheodorou G., Christodoulou D., G. Ferentinos, 2007. Gas charged sediments and associated seabed morphological features in the Aegean and Ionian seas, Greece In: “Seabed Fluid Flow. The impact on Geology, Biology and the Marine Environment” by Alan Judd and Martin Hovland, Cambridge University Press, Cambridge CB2 2RU, UK, p. 475, (www.cambridge.org /9780521819503) (in Powerpoint format)

• Sigurdsson H., Carey S., Alexandri M., Vougioukalakis G., Croff K., Roman C., Sakellariou D., Anagnostou C., Rousakis G., Ioakim C., Gogou A., Ballas D., Misaridis T., Nomikou P., 2006. Marine Investigations of Greece’s Santorini Volcanic Field Eos, Transactions American Geophysical Union, 87(34): 337-342

• Λυκούσης Β, Σακελλαρίου Δ, Ρουσάκης Γ, 2010 Ο τύπος οικοτόπου 1180 στην Ελλάδα, Βυθοί διαφυγής ρευστών και συναφή οικοσυστήματα, Ημερίδας Εργασί ας για την Αναγνώριση Νέων Θαλάσσιων Περιοχών NATURA 2000, ΕΛ.ΚΕ.Θ.Ε. – Υ .Π.Ε.Κ.Α. Δευτέρα 13 Δεκεμβρίου 2010

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)		
2.3.2 Range method used	Absent data (0)	
2.3.3 Short-term trend period		
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	unknown (x)	
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		
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	N/A	
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)
Unknown threat or pressure (U)	()	N/A

2.5.1 Method used – pressures	N/A

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
Unknown threat or pressure (U)	()	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	N/A

2.7 Complementary Information

2.7.2 Species method used	
2.7.3 Justification of % - thresholds for trends	
2.7.4 Structure and functions - methods used	N/A
2.7.5 Other relevant information	Although several hot and cold seeps have been reported in shallow and deep areas of the Ionian, Aegean and Levantine Seas, research is still ongoing as to the actual presence of related submarine structures that will confirm their classification under the type 1180.

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	N/A	

3.2 Conversation Measures