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

CODE: 1160

NAME: Large shallow inlets and bays

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	2007
1.1.4 Additional map	No
1.1.5 Range Map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Marine Mediterranean (MMED)**
2.2 Published	• HCMR, 2014. Monitoring of coastal and transitional waters in Greece under the article 8 of the Water Framework Directive (WFD 2000/60/EC), Simboura N & P Panagiotidis (eds). HCMR Annual Report 2013, 145pp (in greek) • HCMR, 2013. Monitoring of coastal and transitional waters in Greece under the article 8 of the Water Framework Directive (WFD 2000/60/EC), Simboura N & P Panagiotidis (eds). HCMR Annual Report 2012, 123pp (in greek) • HCMR Technical Reports (2007-2014) • HCMR unpubl data (2007-2014) • Simboura, N. & A. Zenetos, 2002. Benthic indicators to use in ecological quality classification of Mediterranean soft bottom marine ecosystems, including a new Biotic index. Mediterranean Marine Science, 3/2:77-111. • Simboura, N. & S. Reizopoulou, 2008. An intercalibration of classification metrics of benthic macroinvertebrates in coastal and transitional ecosystems of the Eastern Mediterranean ecoregion (Greece). Marine Pollution Bulletin 56:116

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

2.3.1 Surface area - Range (km²)	1852	
2.3.2 Range method used	Estimate based on partial data with some extrapolation and/or modelling (2)	
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 (km²)	
	operator	approximately equal to (≈)
	unkown	No
	method	All major 1160 habitat types across Greece have been largely identified and mapped during the initial establishment of the Greek NATURA 2000 Network. On these grounds, its current range and FRR are considered equal to its range at the time of the Directive's adoption.
2.3.10 Reason for change	Improved knowledge/more accurate data	

2.4 Area covered by Habitat

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2.4.1 Surface area (km²)	100
2.4.2 Year or period	2001-
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
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
2.4.11 Long term trend method used	N/A
2.4.12 Favourable reference area	area (km)
	operator approximately equal to (≈)
	unknown No
	method All major 1160 habitat types across Greece have been largely identified and mapped during the initial establishment of the Greek NATURA 2000 Network. On these grounds, its current area and FRA are considered equal to its area at the time of the Directive's adoption.
2.4.13 Reason for change	Improved knowledge/more accurate data

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	high importance (H)	N/A
intensive fish farming, intensification (F01.01)	high importance (H)	N/A
Fishing and harvesting aquatic resources (F02)	high importance (H)	N/A
shipping lanes, ports, marine constructions (D03)	high importance (H)	N/A
Urbanised areas, human habitation (E01)	medium importance (M)	N/A
marine macro-pollution (i.e. plastic bags, styrofoam) (H03.03)	high importance (H)	N/A

2.5.1 Method used – pressures: based exclusively or to a larger extent on real data from sites/occurrences or othe

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
agricultural intensification (A02.01)	high importance (H)	N/A
shipping lanes, ports, marine constructions (D03)	high importance (H)	N/A
disposal of household / recreational facility waste (E03.01)	high importance (H)	N/A
continuous urbanisation (E01.01)	high importance (H)	N/A
marine macro-pollution (i.e. plastic bags, styrofoam) (H03.03)	medium importance (M)	N/A
Fishing and harvesting aquatic resources (F02)	high importance (H)	N/A

2.6.1 Method used – threats: expert opinion (1)

2.7 Complementary Information

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2.7.1 Species
Cymodocea nodosa (Ucria) Asch.
Caulerpa prolifera (Forsskål) J.V.Lamouroux, 1809
Zostera noltii Hornem
Cystoseira barbata (Stackhouse) C.Agardh
Cystoseira schiffneri Hamel, 1939

2.7.2 Species method used	The list of typical species presented here follows the phytosociological criteria set by Dafis et al. 2001. To assess the ecological status of benthic habitats however, multi-specific approaches have been applied based on various biotic indices which take into account the composition and relative abundance of the infaunal communities (Simboura & Zenetos, 2001; Simboura & Reizopoulou, 2008)
2.7.3 Justification of % - thresholds for trends	
2.7.4 Structure and functions - methods used	Estimate based on partial data with some extrapolation and/or modelling (2)
2.7.5 Other relevant information	Most of the collected data regarding habitat type 1160 status across Greece result from the HCMR Monitoring activities under the article 8 of the Water Framework Directive.

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

2.8.1 Range	assessment	Favourable (FV)
	qualifiers	N/A
2.8.2 Area	assessment	Favourable (FV)
	qualifiers	N/A
2.8.3 Specific structures and functions (incl Species)	assessment	Inadequate (U1)
	qualifiers	declining (-)
2.8.4 Future prospects	assessment	Inadequate (U1)
	qualifiers	declining (-)
2.8.5 Overall assessment of Conservation Status	Inadequate (U1)	
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	70	max	100
3.1.2 Method used	Estimate based on partial data with some extrapolation and/or modelling (2)			
3.1.3. Trend of surface area	stable (0)			

3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Urban and industrial waste management (8.1)	Administrative	high importance (H)	Both	Enhance

Measures needed, but not implemented (1.2)	Legal	high importance (H)	Both	Enhance
Restoring/improving water quality (4.1)	Legal	high importance (H)	Both	Enhance
Establish protected areas/sites (6.1)	Legal One-off	high importance (H)	Inside	Enhance Long term