

Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	GR
0.2.1 Species code	1001
0.2.2 Species name	Corallium rubrum
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	N/A

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	Yes
1.1.2 Method used - map	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2012
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 sources

Dounas C, Koutsoubas D, Salomidi M, Koulouri P, Gerovassileiou V, Sini M, 2012. Distribution and Fisheries of the red coral *Corallium rubrum* (Linnaeus, 1758) in the Greek Seas: an overview. In: Bussoletti E, Cottingham D, Bruckner A, Roberts G, Sandulli R (eds), NOAA Technical Memorandum CRCP-13, Silver Spring, MD 233 pp.

Salomidi M, Smith C, Katsanevakis S, Panayotidis S, Papathanassiou V, 2009. Some Observations on the structure and distribution of several Gorgonian Assemblages in the Eastern Mediterranean Sea. 1st Mediterranean symposium on coral conservation and other calcareous bio-concretions of the Mediterranean Sea. Tabarka, Tunisia, 15-16 January 2009.

HCMR unpublished data (2007-2014).

2.3 Range

2.3.1 Surface area - Range (km ²)	3153
2.3.2 Method - Range surface area	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 (km ²) operator N/A unkown Yes method
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

2.4 Population

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2.4.1 Population size (individuals or agreed exception)	Unit	N/A		
	min		max	
2.4.2 Population size (other than individuals)	Unit	number of map 10x10 km grid cells (grids10x10)		
	min	24	max	24
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems	Due to its current depth range (below 60m), Corallium rubrum populations are very difficult to study, and thus no estimation on population density exist on which to base an estimation of population size expressed in individuals.		
2.4.4 Year or period		2012		
2.4.5 Method – population size		Estimate based on expert opinion with no or minimal sampling (1)		
2.4.6 Short-term trend period		2001-2012		
2.4.7 Short term trend direction		decrease (-)		
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method		Estimate based on expert opinion with no or minimal sampling (1)		
2.4.10 Long-term trend period				
2.4.11 Long term trend direction		N/A		
2.4.12 Long-term trend magnitude	min		max	confidence interval
2.4.13 Long-term trend method		N/A		
2.4.14 Favourable reference population	number			
	operator	more than (>)		
	unknown	No		
	method	Harvesting without targeted scientific studies to assess Corallium rubrum population's viability is expected to have decreased it over the years. Current population is thus considered smaller than the one when the Directive came into force, but a precise estimation of FRP is not available.		
2.4.15 Reason for change		Improved knowledge/more accurate data		

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)		
2.5.2 Year or period		
2.5.3 Method used - habitat		Absent data (0)
2.5.4 a) Quality of habitat		Moderate
2.5.4 b) Quality of habitat - method		The species is found in deep rocky reefs, usually in depths between 60 and 130 metres. Habitat degradation has been recorded sporadically by ROV and submersible operations, and is mainly associated with mechanical disturbance caused by the intense fishing with longlines and nets around and on top of deep rocky reefs.
2.5.5 Short term trend period		2001-2012
2.5.6 Short term trend direction		decrease (-)
2.5.7 Long-term trend period		
2.5.8 Long term trend direction		N/A
2.5.9 Area of suitable habitat (km ²)		0
2.5.10 Reason for change		

2.6 Main Pressures

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Pressure	ranking	pollution qualifier(s)
Professional active fishing (F02.02)	medium importance (M)	N/A
poaching (F05.04)	medium importance (M)	N/A
removal for collection purposes (F05.06)	low importance (L)	N/A

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

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
temperature changes (e.g. rise of temperature & extremes) (M01.01)	high importance (H)	N/A
removal for collection purposes (F05.06)	low importance (L)	N/A
poaching (F05.04)	medium importance (M)	N/A
Professional active fishing (F02.02)	medium importance (M)	N/A

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

Corallium rubrum populations in the eastern Mediterranean lie in deep waters (below 60m depth) and are thus very difficult to study and assess their size and status. Corallium rubrum is being harvested by a few professionals, with permissions issued by the Ministry of Rural Development and Food. The Greek NATURA 2000 network hardly contains any circalittoral reefs (deep subtype of 1170) and therefore is not considered adequate for the protection of this species.

2.8.3 Trans-boundary assessment

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

2.9.1 Range	assessment Unknown (XX) qualifiers N/A
2.9.2. Population	assessment Inadequate (U1) qualifiers declining (-)
2.9.3. Habitat	assessment Inadequate (U1) qualifiers declining (-)
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers declining (-)
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)
2.9.5 Overall trend in Conservation Status	declining (-)

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size	Unit N/A min max
3.1.2 Method used	N/A
3.1.3 Trend of population size within	N/A

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3.2 Conservation Measures