0.1 Member State	п
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	Corallo rosso

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Estimate based on expert opinion with no or minimal sampling (1)
1.1.3 Year or period	2001-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Marine Mediterranean (MMED)

The present species assessment (fields 0.1-2.9) has been compiled by Anna Alonzi, Piero Genovesi, Francesca Ronchi (ISPRA).Information and data have been extracted from MSFD Supporting document on the Initial Assessment on Benthic Species, including methodology, data used and results (ISPRA, 2013). Expert judgements have been provided by Leonardo Tunesi (ISPRA).

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30/04/2014 11.00.21 Page 1 of 4

rubrum populations. Coral reefs 30: 991-1003

Marchetti R., 1965 - Ricerche sul corallo rosso della costa ligure e Toscana.

Distribuzione geografica. Rend Ist Lomb ci Lett B99:255-278.

Regione Autonoma della Sardegna - Assessorato Difesa Ambiente , 2012 -

"Servizio di monitoraggio dello stato di conservazione degli habitat e delle specie di importanza comunitaria presenti nei siti della Rete Natura 2000 in Sardegna – Linea 4. Redazione del Rapporto sullo stato di conservazione degli habitat e delle specie ".

Santangelo G, Abbiati M, 2001 - Red coral: conservation and management of an over-exploited Mediterranean species. Aquatic Conserv Mar Freshw Ecosyst 11:253–259

Santangelo G., Bramanti L., Iannelli M., 2007 - Population dynamics and conservation biology of the over-exploited Mediterranean red coral. J teor Biol, 244: 416-423.

Santangelo G., Bramanti L., 2010 - Quantifying the decline in Corallium rubrum populations. Mar Ecol Prog Ser, 418: 295-297.

2.3 Range

2.3.1 Surface area - Range (km²)

2.3.2 Method - Range surface area

2.3.3 Short-term trend period

2.3.4 Short-term trend direction

2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction

2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

490600

Estimate based on expert opinion with no or minimal sampling (1)

2001-2012 unknown (x)

min max

N/A

min max

area (km²)

operator approximately equal to (≈)

unkown No

method Expert judgement

2.3.10 Reason for change

Improved knowledge/more accurate dataUse of different method

2.4 Population

2.4.1 Population size

(individuals or agreed exception)

Unit N/A

min max

2.4.2 Population size

Unit N/A

(other than individuals)

min max

2.4.3 Additional information

Definition of locality

Conversion method

Problems

2.4.4 Year or period

2.4.5 Method – population size

2.4.6 Short-term trend period

2.4.7 Short term trend direction

2.4.8 Short-term trend magnitude

2.4.9 Short-term trend method

2.4.10 Long-term trend period

2.4.11 Long term trend direction

Absent data (0)

2001-2012

stable (0)

min max confidence interval

Estimate based on expert opinion with no or minimal sampling (1)

N/A

30/04/2014 11.00.21 Page 2 of 4

2.4.12 Long-term trend magnitude2.4.13 Long-term trend method2.4.14 Fayourable reference

min max confidence interval

N/A number

operator approximately equal to (≈)

unknown No

method Expert Judgement

2.4.15 Reason for change Improved knowledge/more accurate data

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)

2.5.2 Year or period

population

2.5.3 Method used - habitat

2.5.4 a) Quality of habitat

2.5.4 b) Quality of habitat - method

2.5.5 Short term trend period

2.5.6 Short term trend direction

2.5.7 Long-term trend period

2.5.8 Long term trend direction

2.5.9 Area of suitable habitat (km²)

2.5.10 Reason for change

Absent data (0)

Good

Expert Judgement

2001-2012

stable (0)

N/A

Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
reduction or loss of specific habitat features (J03.01)	low importance (L)	N/A
scubadiving, snorkelling (G01.07)	medium importance (M)	N/A
Fishing and harvesting aquatic resources (F02)	high importance (H)	N/A
removal for collection purposes (F05.06)	medium importance (M)	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)
reduction or loss of specific habitat features (J03.01)	low importance (L)	N/A
scubadiving, snorkelling (G01.07)	medium importance (M)	N/A
Fishing and harvesting aquatic resources (F02)	high importance (H)	N/A
removal for collection purposes (F05.06)	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

Red coral is one of the key ecosystem engineering species of coralligenous assemblages and semi-dark caves biocoenosis. However, its bathymetric distribution is wide ranging from 15 to 800 meter depth. Nowadays, in the shallow waters the distribution is aggregated, while in the deeper water the colonies show a patchy distribution. Under 120 m depth, colonies are, generally, solitary or sparse. The species is patchily distributed along all the Italian western coasts. Recently a study has shown the presence of red coral in different areas of the Eastern coast of Apulia. The bathymetric distribution ranged from 50 to 80 m

30/04/2014 11.00.21 Page 3 of 4

depth, while the colony distribution is patchy. The rich banks once present in Liguria, Toscana, Sardinia, Campania, Calabria and Sicily, are in strong regression or depleted due to uncontrolled and indiscriminate harvesting, which has been perpetuated for several decades.

2.8.3 Trans-boundary assessment

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

2.9.1 Range

assessment Favourable (FV)
qualifiers N/A

2.9.2. Population

assessment Favourable (FV)
qualifiers N/A

2.9.3. Habitat

assessment Favourable (FV)
qualifiers N/A

2.9.4. Future prospects

assessment Unknown (XX)

qualifiers N/A
2.9.5 Overall assessment of Favourable (FV)

2.9.5 Overall assessment of Favourable (FV)
Conservation Status

N/A

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

3.1 Population

2.9.5 Overall trend in

Conservation Status

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

3.2 Conversation Measures

30/04/2014 11.00.21 Page 4 of 4

Notes

Species name: Corallium rubrum (1001) Region code: MMED					
Field label	Note	User			
2.3.1 Surface area - Range (km²)	It is important to point out that only the surface area of the habitat that can actually host the species should be considered.	ISPRA ₋ AUNA			

30/04/2014 11.00.09 Page 1