

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

0.1 Member State	IT
0.2.1 Species code	1027
0.2.2 Species name	Lithophaga lithophaga
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Dattero di mare

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 documents on the Initial Assessment on Benthic Species, including methodology, data used and results (ISPRA, 2013). Expert judgements have been provided by Leonardo Tunesi (ISPRA).

Area Marina Protetta Tavolara – Punta Coda Cavallo. Dichiarazione Ambientale 2007, Conforme Allegato III, Regolamento CE 761/2001, Rev.3 - 30/09/2007. 126 pp.

CLEM, 1989 - Indagine Sulla Situazione Ambientale dell'Area destinata a Riserva Marina di "Punta Campanella". (Penisola Sorrentina). Volume I°. Relazione di Iª Fase. Ministero della Marina Mercantile. Ispettorato Centrale per la Difesa del Mare.

CUCCU D., ADDIS P., LENZA I., STEFANI M., CAMPISI S., 1994 - Prime osservazioni sulla distribuzione di *Lithophaga lithophaga* (Linnaeus 1758) (Bivalvia Mytilidae), lungo le coste Sarde. Biol. Mar. Medit. 1(1): 399-400.

ENEA, 1988 - Studi Conoscitivi sulla Situazione Ambientale delle Aree Destinate a Riserve Marine di P. Cesareo, Capo Rizzuto e Penisola Sinis-Isola di Mal di Ventre. Relazione di I Fase. Capo Rizzuto. Ministero della Marina Mercantile. Ispettorato Centrale per la Difesa del Mare. ENEA, Comitato Nazionale per la Ricerca e lo Sviluppo dell'Energia Nucleare e delle Energie Alternative.

FAUCI A., BALZANO R., DI MAIO G., ROMANO R., RUSSO G. F., 2004 - Impact of Date Mussels (*Lithophaga lithophaga*) fishing in the Marine Protected Area of Punta Campanella (Central Tyrrhenian sea). Biol. Mar. Medit. 11(3):275.

FAUCI A., BALZANO R., DI MAIO G., ROMANO R., 2004 - L'impatto della Pesca al dattero di mare (*Lithophaga lithophaga*) nell'Area Marina Protetta di Punta Campanella. 35° Cong. S.I.B.M.- Genova 19, 20 Luglio.

Frau F., Cinti M.F., Paliaga B., Guala I. 2011. Protected species according to the Spa/Bio Protocol (Barcelona Convention) present in the Marine Protected Area Capo Carbonara. 42° Congresso della Società Italiana di Biologia Marina, Olbia, 23-28 maggio 2011: 262-263.

GUIDETTI P., FRASCHETTI S., TERLIZZI A., BOERO F., 2004 - Effects of

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

Desertification Caused by *Lithophaga lithophaga* (Mollusca) Fishery on Littoral Fish Assemblages along Rocky Coasts of Southeastern Italy. *Cons. Biol.* 18(5): 1417-1423.

GUIDETTI P., BOERO F., 2004 - Desertification of Mediterranean rocky reefs caused by date-mussel, *Lithophaga lithophaga* (Mollusca: Bivalvia), fishery: effects on adult and juvenile abundance of a temperate fish. *Mar. Poll. Bull.* 48: 978-982.

MARANO G., VACCARELLA R., PASTORELLI A. M., 1998 - La pesca di *Lithophaga lithophaga* (L.) (Dattero) lungo la costa Adriatica Pugliese. *Biol. Mar. Medit.* 5(3): 463-468.

PANDOLFO A., CHEMELLO R., CIUNA I., LO VALVO M., RIGGIO S., 1996 - Analisi della distribuzione dei Molluschi nella zona di transizione fra Mesolitorale ed Infralitorale superiore lungo le coste della Sicilia. *Biol. Mar. Medit.* (1996), 3 (1): 78-87.

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 ".

RUSSO G.F., CICOGLA F., 1990/91 – Il dattero di mare *Lithophaga lithophaga* e gli effetti distruttivi della sua pesca sull’ambiente marino costiero: problemi e prospettive. *Boll. Mus. Ist. Biol. Univ. Genova*, 56-57: 165-194.

RUSSO G.F., CICOGLA F., 1991 - The date mussel (*Lithophaga lithophaga*) “case” in the Gulf of Naples In: Boudouresque C.F., Avon M., Gravez V. (eds.), *Les espèces Marines à protéger en Méditerranée*. GIS Posidonie Publ., Fr.:141-150.

SCOTTI G., CHEMELLO R., 2001 - I Molluschi marini mediterranei degni di protezione: stato delle conoscenze e forme di tutela. *Boll. Malac.* 36 (1-4): 61-70.

TUNESI L., DI NORA T., AGNESI S., CASSESE M. L., DE MAIO E., DI MARTINO V., DIVIACCO G., MO G., MOLINARI A., BAVA S., ANNUNZIATELLIS A. 2005. Studio Conoscitivo per l’Area Marina Protetta in corso d’istituzione “Isola Gallinaria”. Volume I. Protocollo d’Intesa 13/7/2004 e successive modifiche tra il Ministero dell’Ambiente e della Tutela del Territorio - Direzione protezione Natura - e l’ICRAM. 1-174

Censimento della malacofauna marina delle coste italiane - On line: <http://estaxp.santateresa.enea.it/www/censim/censimento.html> - <http://www.regione.liguria.it> - <http://eunis.finsiel.ro/eunis/sites.jsp>

2.3 Range

2.3.1 Surface area - Range (km ²)	490600
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 approximately equal to (≈) unknown No method Expert judgement
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

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

2.4 Population

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 localities (localities)		
	min	49	max	49
2.4.3 Additional information	Definition of locality	Areas where the species has been recorded since 1960		
	Conversion method	not available		
	Problems			
2.4.4 Year or period	2006			
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	stable (0)			
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	much more than (>>)		
	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 (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	Expert judgment
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	stable (0)
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)	
2.5.10 Reason for change	Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
date mussel-fishing (F05.02)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	medium importance (M)	N/A
2.6.1 Method used – pressures	mainly based on expert judgement and other data (2)	

2.7 Main Threats

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

Threat	ranking	pollution qualifier(s)
date mussel-fishing (F05.02)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	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

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 Bad (U2)
qualifiers improving (+)

2.9.3. Habitat assessment Favourable (FV)
qualifiers N/A

2.9.4. Future prospects assessment Inadequate (U1)
qualifiers stable (=)

2.9.5 Overall assessment of Conservation Status Bad (U2)

2.9.5 Overall trend in Conservation Status improving (+)

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

3.2 Conversation Measures

Notes

Species name: Lithophaga lithophaga (1027) Region code: MMED

Field label	Note	User
2.3.1 Surface area - Range (km ²)	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



_F

—