



NATURA 2000 - STANDARD DATA FORM

For Special Protection Areas (SPA),
Proposed Sites for Community Importance (pSCI),
Sites of Community Importance (SCI) and
for Special Areas of Conservation (SAC)

SITE IT5160018
SITENAME Secche della Meloria

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1. SITE IDENTIFICATION

1.1 Type	1.2 Site code	Back to top
B	IT5160018	

1.3 Site name

Secche della Meloria

1.4 First Compilation date	1.5 Update date
2011-09	2019-12

1.6 Respondent:

Name/Organisation:	Regione Toscana - Direzione Ambiente ed Energia - Settore Tutela della Natura e del Mare
Address:	Via di Novoli, 26 - 50127 Firenze
Email:	parchiareeprotette_biodiversita@regione.toscana.it

1.7 Site indication and designation / classification dates

Date site classified as SPA:	0000-00
National legal reference of SPA designation	No data
Date site proposed as SCI:	2011-10
Date site confirmed as SCI:	No data
Date site designated as SAC:	2016-12
National legal reference of SAC designation:	DM 22/12/2016 - G.U. 19 del 24-01-2017

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude 10.175221 Latitude 43.568968

2.2 Area [ha]: 8727.0 2.3 Marine area [%] 100.0

2.4 Sitelength [km]: 0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name

2.6 Biogeographical Region(s)

Mediterranean (100.0 %)

3. ECOLOGICAL INFORMATION

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3.1 Habitat types present on the site and assessment for them

Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [ha]	Cave [number]	Data quality	A B C D	A B C		
						Representativity	Relative Surface	Conservation	Global
1120			1043.0		M	A	C	B	A
1170			270.0		M	C	C	B	C

- **PF:** for the habitat types that can have a non-priority as well as a priority form (6210, 7130, 9430) enter "X" in the column PF to indicate the priority form.
- **NP:** in case that a habitat type no longer exists in the site enter: x (optional)
- **Cover:** decimal values can be entered
- **Caves:** for habitat types 8310, 8330 (caves) enter the number of caves if estimated surface is not available.
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation)

3.2 Species referred to in Article 4 of Directive 2009/147/EC and listed in Annex II of Directive 92/43/EEC and site evaluation for them

Species					Population in the site						Site assessment			
G	Code	Scientific Name	S	NP	T	Size		Unit	Cat.	D. qual.	A B C D	A B C		
						Min	Max				Pop.	Con.	Iso.	Glo.
R	1224	Caretta caretta			p				C	DD	A	B	C	B
M	1349	Tursiops truncatus			p				C	DD	A	B	C	B

- **Group:** A = Amphibians, B = Birds, F = Fish, I = Invertebrates, M = Mammals, P = Plants, R = Reptiles
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Type:** p = permanent, r = reproducing, c = concentration, w = wintering (for plant and non-migratory species use permanent)
- **Unit:** i = individuals, p = pairs or other units according to the Standard list of population units and codes in accordance with Article 12 and 17 reporting (see [reference portal](#))
- **Abundance categories (Cat.):** C = common, R = rare, V = very rare, P = present - to fill if data are deficient (DD) or in addition to population size information
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation); VP = 'Very poor' (use this category only, if not even a rough estimation of the population size can be made, in this case the fields for population size can remain empty, but the field "Abundance categories" has to be filled in)

3.3 Other important species of flora and fauna (optional)

Species					Population in the site				Motivation					
Group	CODE	Scientific Name	S	NP	Size		Unit	Cat.	Species Annex		Other categories			
					Min	Max		C R V P	IV	V	A	B	C	D
P		Cystoseira compressa						P					X	
P		Cystoseira crinita						P						X
F		Epinephelus marginatus						P					X	
I	1027	Lithophaga lithophaga						P	X					
I		Luria lurida						P					X	
I		Paracentrotus lividus						P					X	
I	1028	Pinna nobilis						P	X					
P		Posidonia oceanica						P					X	
F		Sciaena umbra						P					X	

- **Group:** A = Amphibians, B = Birds, F = Fish, Fu = Fungi, I = Invertebrates, L = Lichens, M = Mammals, P = Plants, R = Reptiles
- **CODE:** for Birds, Annex IV and V species the code as provided in the reference portal should be used in addition to the scientific name
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Unit:** i = individuals, p = pairs or other units according to the standard list of population units and codes in accordance with Article 12 and 17 reporting, (see [reference portal](#))
- **Cat.:** Abundance categories: C = common, R = rare, V = very rare, P = present
- **Motivation categories:** **IV, V:** Annex Species (Habitats Directive), **A:** National Red List data; **B:** Endemics; **C:** International Conventions; **D:** other reasons

4. SITE DESCRIPTION

4.1 General site character

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Habitat class	% Cover
N01	100.0
Total Habitat Cover	100

Other Site Characteristics

Le secche della Meloria sono un'ampia area di bassi fondali rocciosi, compresi tra 0 e 30 metri di profondità, che si estende per circa 90 kmq davanti alla città di Livorno. Da un punto di vista bentonico le secche della Meloria sono caratterizzate da tre principali ambienti: le praterie di Posidonia oceanica che si estendono sulla maggior parte delle secche, da popolamenti algali fotofili che possono essere individuati nelle aree libere dalla prateria e infine da popolamenti coralligeni che colonizzano le porzioni più profonde del sistema. Un ambiente peculiare è inoltre rappresentato dai "catini", depressioni del fondale roccioso, che presentano un substrato sabbioso.

4.2 Quality and importance

Nonostante il disturbo antropico a cui è sottoposta l'area, la grande estensione delle secche fa sì che siano ancora presenti ampie zone ancora in buone condizioni ecologiche. La prateria di Posidonia oceanica si presenta ben strutturata, con alti valori di copertura e densità. I popolamenti di fondo mobile dei catini mostrano un'alta biodiversità e la presenza di specie rare e esclusive. L'area presenta nell'insieme un'alta ricchezza biologica, in buona parte legata all'eterogeneità del fondo. Infatti le secche della Meloria, pur avendo la loro massima estensione all'interno di un range batimetrico limitato, presentano una morfologia complessa che crea un susseguirsi di ambienti diversi. Sulle secche è in fase di attuazione una riserva marina

4.3 Threats, pressures and activities with impacts on the site

The most important impacts and activities with high effect on the site

Negative Impacts			
Rank	Threats and pressures [code]	Pollution (optional) [code]	inside/outside [i o b]
H	F02.01		b
H	F02.02		b
L	G01.07		i
M	F03.02.05		b
M	H06.01		b
H	F02.03		b
M	G05.03		i
M	G05.11		i
M	F05		i
M	H03		b
H	I01		b

Rank: H = high, M = medium, L = low
Pollution: N = Nitrogen input, P = Phosphor/Phosphate input, A = Acid input/acidification,
T = toxic inorganic chemicals, O = toxic organic chemicals, X = Mixed pollutions
i = inside, o = outside, b = both

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside /outside [i o b]
	X		

4.4 Ownership (optional)

4.5 Documentation

ALVISI M., BRUNI R. 1994. Le grotte marine dell'Isola di Giannutri (Grosseto). Ist. It. Speleol. Mem. 6: 45-50. BENEDETTI-CECCHI L., PANNACCIULLI F., BULLERI F., MOSCHELLA P., AIROLDI, L., RELINI, G., CINELLI F. (2001) Predicting the consequences of antropogenic disturbance: large-scale effects of loss of canopy algae on rocky shores, Marine Ecology-Progress Series, 214: 137-150. BENEDETTI-CECCHI L., MAGGI E., BERTOCCI I., VASELLI E., MICHELI F., OSIO G. C., CINELLI F. (2003). Variation in rocky shore assemblages in the north-western Mediterranean: contrasts between islands and the mainland, Journal Of Experimental Marine Biology And Ecology, 293: 193-215. CECCHI E., PIAZZI L., BALATA D., 2007. Interaction between depth and protection in determining the structure of Mediterranean coastal fish assemblages. Aquat. Living Resour. 20: 123-129. CINELLI F., PARDI G., PAPI I., BENEDETTI-CECCHI L. (1995) - Mappatura delle praterie a Posidonia oceanica (L.) Delile intorno alle isole minori dell'Arcipelago Toscano. Atti Soc. Tosc. Sc. Nat., 102 : 93-110.

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT00	100.0				

5.2 Relation of the described site with other sites:

5.3 Site designation (optional)

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Parco Regionale Migliarino S. Rossore Massaciuccoli
Address:	
Email:	

6.2 Management Plan(s):

An actual management plan does exist:

☐ Yes

☐ No, but in preparation

☒ No

6.3 Conservation measures (optional)

7. MAP OF THE SITES

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INSPIRE ID:

Map delivered as PDF in electronic format (optional)

☐ Yes ☒ No

Reference(s) to the original map used for the digitalisation of the electronic boundaries (optional).

96 II NO - 96 III NE 1:25000 Gauss-Boaga