



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 IT5160004
SITENAME Padule di Bolgheri

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1. SITE IDENTIFICATION

1.1 Type C	1.2 Site code IT5160004	Back to top
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1.3 Site name

Padule di Bolgheri

1.4 First Compilation date 1995-07	1.5 Update date 2019-12
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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:	1998-12
National legal reference of SPA designation	Del.C.R. n.342 del 10/11/ 1998
Date site proposed as SCI:	1995-06
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 10.544722 Latitude 43.224167

2.2 Area [ha]: 577.0 2.3 Marine area [%] 0.0

2.4 Sitelength [km]: 0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name
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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
1210			19.15		M	A	C	A	B
2240			1.69		M	C	C	B	C
2250			15.15		M	B	C	B	A
2260			4.21		M	D			
2270			31.78		M	C	C	C	C
3150			10.14		M	B	C	B	B
6420			37.58		M	B	C	A	B
91F0			37.51		M	B	C	A	A
9340			36.74		M	B	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.
B	A293	Acrocephalus melanopogon			c				P	DD	D			
B	A293	Acrocephalus melanopogon			w				P	DD	D			
B	A229	Alcedo atthis			r				P	DD	C	B	C	B
B	A229	Alcedo atthis			w				P	DD	C	B	C	B
B	A229	Alcedo atthis			c				P	DD	C	B	C	B
B	A052	Anas crecca			w	115	1256	i		G	C	A	C	A
B	A052	Anas crecca			c				P	DD	C	A	C	A
B	A052	Anas crecca			r				P	DD	C	A	C	A
B	A050	Anas penelope			w	180	720	i		G	C	A	C	A
B	A050	Anas penelope			c				P	DD	C	A	C	A
B	A053	Anas platyrhynchos			r				P	DD	C	A	C	A
B	A053	Anas platyrhynchos			c				P	DD	C	A	C	A
B	A053	Anas platyrhynchos			w	89	499	i		G	C	A	C	A
B	A055	Anas querquedula			c				P	DD	C	A	C	A
B	A043	Anser anser			w	4	400	i		G	C	A	C	B
B	A043	Anser anser			c				P	DD	C	A	C	B
B	A029	Ardea purpurea			c				P	DD	C	B	C	B
B	A024	Ardeola ralloides			c				P	DD	D			
B	A024	Ardeola ralloides			r				P	DD	D			
B	A222	Asio flammeus			w				P	DD	C	A	C	B
B	A222	Asio flammeus			c				P	DD	C	A	C	B
B	A060	Aythya nyroca			w	4	4	i		G	C	B	C	C
B	A060	Aythya nyroca			c				P	DD	C	B	C	C
B	A021	Botaurus stellaris			w	1	2	i		G	C	B	C	C
B	A021	Botaurus stellaris			c				R	DD	C	B	C	C
B	A025	Bubulcus ibis			w				P	DD	D			

B	A025	Bubulcus ibis			r				P	DD	D			
B	A025	Bubulcus ibis			c				P	DD	D			
B	A243	Calandrella brachydactyla			c				P	DD	D			
B	A224	Caprimulgus europaeus			r				P	DD	C	A	C	B
B	A224	Caprimulgus europaeus			c				P	DD	C	A	C	B
B	A138	Charadrius alexandrinus			c				P	DD	C	A	C	A
B	A138	Charadrius alexandrinus			w				R	DD	C	A	C	A
B	A138	Charadrius alexandrinus			r				P	DD	C	A	C	A
B	A196	Chlidonias hybridus			c				P	DD	C	C	C	C
B	A197	Chlidonias niger			c				P	DD	C	C	C	C
B	A031	Ciconia ciconia			r				P	DD	D			
B	A031	Ciconia ciconia			c				P	DD	D			
B	A031	Ciconia ciconia			w				P	DD	D			
B	A030	Ciconia nigra			c				P	DD	D			
B	A081	Circus aeruginosus			w	1	10	i		G	C	A	C	A
B	A081	Circus aeruginosus			c				P	DD	C	A	C	A
B	A082	Circus cyaneus			c				P	DD	C	B	C	B
B	A082	Circus cyaneus			w	1	1	i		G	C	B	C	B
B	A211	Clamator glandarius			r				P	DD	C	A	C	A
B	A207	Columba oenas			r				P	DD	C	A	C	A
B	A207	Columba oenas			c				P	DD	C	A	C	A
B	A207	Columba oenas			w				C	DD	C	A	C	A
B	A231	Coracias garrulus			r				P	DD	D			
B	A027	Egretta alba			w				P	DD	C	B	C	B
B	A027	Egretta alba			c				P	DD	C	B	C	B
B	A026	Egretta garzetta			c				P	DD	D			
B	A026	Egretta garzetta			r				P	DD	D			
B	A026	Egretta garzetta			w				P	DD	D			
R	1279	Elaphe quatuorlineata			p				P	DD	C	B	C	B
R	1220	Emys orbicularis			p				P	DD	C	B	C	B
B	A103	Falco peregrinus			c				P	DD	C	B	C	B
B	A103	Falco peregrinus			w				P	DD	C	B	C	B
B	A096	Falco tinnunculus			w				P	DD	C	A	C	B
B	A096	Falco tinnunculus			r				P	DD	C	A	C	B
B	A096	Falco tinnunculus			c				P	DD	C	A	C	B
B	A125	Fulica atra			c				P	DD	C	B	C	B
B	A125	Fulica atra			r				P	DD	C	B	C	B
B	A125	Fulica atra			w	7	665	i		G	C	B	C	B
B	A153	Gallinago gallinago			c				C	DD	C	A	C	A
B	A153	Gallinago gallinago			w	28	151	i		G	C	A	C	A
B	A154	Gallinago media			c				R	DD	D			
B	A135	Glareola pratincola			c				R	DD	C	A	C	C
B	A127	Grus grus			c				R	DD	B	A	C	B
B	A127	Grus grus			w	1	2	i		G	B	A	C	B
B	A131	Himantopus himantopus			r				P	DD	C	A	C	A
B	A131	Himantopus himantopus			c				P	DD	C	A	C	A
B	A022	Ixobrychus minutus			c				P	DD	D			
B	A338	Lanius collurio			r				P	DD	C	A	C	C
B	A338	Lanius collurio			c				P	DD	C	A	C	C
B	A341	Lanius senator			r				P	DD	C	A	C	C
B	A341	Lanius senator			c				P	DD	C	A	C	C
B	A157	Limosa lapponica			c				P	DD	C	B	C	C
B	A272	Luscinia svecica			c				P	DD	C	A	C	B
B	A160	Numenius arquata			w				R	DD	C	A	C	C
B	A023	Nycticorax nycticorax			c				P	DD	C	B	C	B
B	A214	Otus scops			c				P	DD	C	B	C	B
B	A214	Otus scops			r				P	DD	C	B	C	B
B	A094	Pandion haliaetus			c				P	DD	C	B	C	C
B	A151	Philomachus pugnax			c				C	DD	C	A	C	A
B	A035	Phoenicopterus ruber			c				R	DD	D			

B	A034	Platalea leucorodia			c				P	DD	C	B	C	C
B	A032	Plegadis falcinellus			c				P	DD	C	B	C	B
B	A140	Pluvialis apricaria			c				P	DD	B	A	C	A
B	A140	Pluvialis apricaria			w	53	137	i		G	B	A	C	A
B	A120	Porzana parva			c				P	DD	C	A	C	B
B	A119	Porzana porzana			c				P	DD	C	A	C	B
B	A132	Recurvirostra avosetta			c				P	DD	C	B	C	C
B	A195	Sterna albifrons			c				P	DD	C	C	C	C
B	A193	Sterna hirundo			c				P	DD	C	C	C	C
B	A191	Sterna sandvicensis			w	1	1	i		G	C	C	C	C
B	A191	Sterna sandvicensis			c				P	DD	C	C	C	C
R	1217	Testudo hermanni			p				P	DD	C	B	C	B
B	A166	Tringa glareola			c				C	DD	C	A	C	A
A	1167	Triturus carnifex			p				C	DD	C	B	C	B
B	A142	Vanellus vanellus			c				P	DD	C	A	C	A
B	A142	Vanellus vanellus			w	228	1750	i		G	C	A	C	A

- **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
I		Brithys crini						P						X
A	1201	Bufo viridis						P	X					
R	1284	Coluber viridiflavus						C	X					
B		Dendrocopos minor						P						X
P		Eryngium maritimum						P						X
A	5358	Hyla intermedia						P					X	
M	1344	Hystrix cristata						C	X					
R		Lacerta bilineata						P					X	
M	1357	Martes martes						R		X				
M	1341	Muscardinus avellanarius						P	X					
M	1358	Mustela putorius						P		X				
R	1292	Natrix tessellata						P	X					
P		Pancratium maritimum						P						X
R	1256	Podarcis muralis						C	X					
R	1250	Podarcis sicula						C	X					
A	1209	Rana dalmatina						C	X					
A	1210	Rana esculenta						C		X				
P	1849	Ruscus aculeatus						P		X				
B		Sylvia cantillans moltonii						R			X		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
N05	3.0
N23	2.0
N15	15.0
N17	16.0
N07	21.0
N19	2.0
N04	10.0
N16	5.0
N10	21.0
N18	5.0
Total Habitat Cover	100

Other Site Characteristics

Area dunale e retrodunale compresa fra il fosso della Camilla e il fosso di Bolgheri, caratterizzata da boschi igrofili, zone umide aperte e prati-pascoli di grande pregio paesaggistico.

4.2 Quality and importance

Area di elevatissimo interesse ornitologico, inclusa fra i siti ICBP. Zona umida di maggiore importanza della Toscana settentrionale per lo svernamento di Anas penelope, ospita spesso piccoli contingenti svernanti di Anser sp. pl. Di notevole valore anche per la nidificazione di alcune specie legate soprattutto all'ambiente umido (Ardea purpurea, Himantopus himantopus e Charadrius alexandrinus) e ai boschi (Picoides minor, Clamator glandarius e Columba oenas, specie minacciate o rarissime in Toscana). Importante la presenza di Martes martes. Tra gli Anfibi è presente il Triturus carnifex, specie endemica italiana.

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]
L	E01.03		i
L	G01.02		i
L	H06.01		i
L	G01.08		i
M	D01.04		o
L	G01.08		o
L	D01.01		i
L	G01.01		o
M	D01.02		o
M	D01.02		i
M	J02.05		i
H	G02.10		o
M	F03.01		o

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)

Type		[%]
Public	National/Federal	0
	State/Province	0
	Local/Municipal	0
	Any Public	0
Joint or Co-Ownership		0
Private		100
Unknown		0
sum		100

4.5 Documentation

Archivio RENATO - Repertorio Naturalistico Toscano - Regione ToscanaBini C., Rossi R. (a cura di)., 1991, Il valore dell'ambiente: elementi naturalistici e paesaggistico-culturali nella bassa Val di Cecina., Regione Toscana, Giunta regionale.Tomei P.E., Guazzi E. - Le zone umide della Toscana. Lista generale delle entità vegetali., 1994, Atti Mus. civ. Stor. nat. Grosseto, 15 (in stampa).Comunicazione Paolo Emilio Tomei.Palladino S. (a cura di). - Lista delle aree naturali protette in Italia., 1990; Grappoli R., Fanfani A., Pavan M., 1981, Aspetti della copertura forestale, della flora e della fauna nel paesaggio nat. dell'Italia centrale, M. A. F. Collana Verde, 55. Bruno S. - Anfibi e Rettili di alcune stazioni del litorale tirrenico tra la foce dell'Arno e il Circeo; (31-76)., 1981, In: Ricerche ecologiche, floristiche e faunistiche sulla fascia costiera medio-tirrenica italiana. P, Accademia Nazionale dei Lincei (ed); Comunicazione Filippo Fabiano. Uccelli:Arcamone E. - Lo svernamento di Anseriformi e Folaga in Toscana. 1984-1988., 1989, Quad. Mus. Stor. Nat. Livorno 10, Suppl. 1.;Arcamone E., Baccetti N., Serra L. - Limicoli svernanti nelle zone umide costiere della Toscana., 1995, Riv. Ital Orn.,64 (2); Arcamone E., Barbagli F. 1996. Cronaca ornitologica toscana: 1990-1991 Quaderni del Museo di Storia Naturale di Livorno, 14: 79-109.Arcamone E., Tellini G. 1985. Cronaca ornitologica toscana 1983-1984 Quaderni del Museo di Storia Naturale di Livorno 6: 79-94.Arcamone E., Tellini G. 1986. Cronaca ornitologica toscana: 1985 Quaderni del Museo di Storia Naturale di Livorno 7: 105-108. Arcamone E., Tellini G. 1987. Cronaca ornitologica toscana: 1986 Quaderni del Museo di Storia Naturale di Livorno 8:139-154.Arcamone E., Tellini G. 1992. Cronaca ornitologica toscana: 1988-1989 Quaderni del Museo di Storia Naturale di Livorno 12: 37-69.Associazione Cacciatori Migratori Acquatici e Federazione Italiana della Caccia (a cura di)., 1989, Toscana - Le Zone umide e la loro avifauna.Comunicazione personale Centro Ornitologico Toscano.Comunicazione Paolo Sposimo.Meschini E. 1982. Cronaca ornitologica livornese. Osservazioni interessanti dell'anno 1980 Quaderni del Museo di Storia Naturale di Livorno 3: 91-94. Tellini Florenzano G., Arcamone E., Baccetti N., Meschini E., Sposimo P. (eds.) 1997. Atlante degli uccelli nidificanti e svernanti in Toscana (1982-1992) Quaderni del Museo di Storia Naturale di Livorno, Monografie, 1: 414 pp.

5. SITE PROTECTION STATUS (optional)

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT11	100.0	IT02	100.0	IT07	100.0

5.2 Relation of the described site with other sites:

5.3 Site designation (optional)

6. SITE MANAGEMENT

Organisation:	Regione Toscana
Address:	Via di Novoli, 26 - 50127 Firenze
Email:	parchiareeprotette_biodiversita@regione.toscana.it

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

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 III NE 1:25000 Gauss-Boaga