



# 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	1.2 Site code	<a href="#">Back to top</a>
C	IT5160004	

### 1.3 Site name

Padule di Bolgheri
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1.4 First Compilation date	1.5 Update date
1995-07	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:	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

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	<a href="#">Acrocephalus melanopogon</a>			c				P	DD	D			
B	A293	<a href="#">Acrocephalus melanopogon</a>			w				P	DD	D			
B	A229	<a href="#">Alcedo atthis</a>			r				P	DD	C	B	C	B
B	A229	<a href="#">Alcedo atthis</a>			w				P	DD	C	B	C	B
B	A229	<a href="#">Alcedo atthis</a>			c				P	DD	C	B	C	B
B	A052	<a href="#">Anas crecca</a>			w	115	1256	i		G	C	A	C	A
B	A052	<a href="#">Anas crecca</a>			c				P	DD	C	A	C	A
B	A052	<a href="#">Anas crecca</a>			r				P	DD	C	A	C	A
B	A050	<a href="#">Anas penelope</a>			w	180	720	i		G	C	A	C	A
B	A050	<a href="#">Anas penelope</a>			c				P	DD	C	A	C	A
B	A053	<a href="#">Anas platyrhynchos</a>			r				P	DD	C	A	C	A
B	A053	<a href="#">Anas platyrhynchos</a>			c				P	DD	C	A	C	A
B	A053	<a href="#">Anas platyrhynchos</a>			w	89	499	i		G	C	A	C	A
B	A055	<a href="#">Anas querquedula</a>			c				P	DD	C	A	C	A
B	A043	<a href="#">Anser anser</a>			w	4	400	i		G	C	A	C	B
B	A043	<a href="#">Anser anser</a>			c				P	DD	C	A	C	B
B	A029	<a href="#">Ardea purpurea</a>			c				P	DD	C	B	C	B
B	A024	<a href="#">Ardeola ralloides</a>			c				P	DD	D			
B	A024	<a href="#">Ardeola ralloides</a>			r				P	DD	D			
B	A222	<a href="#">Asio flammeus</a>			w				P	DD	C	A	C	B
B	A222	<a href="#">Asio flammeus</a>			c				P	DD	C	A	C	B
B	A060	<a href="#">Aythya nyroca</a>			w	4	4	i		G	C	B	C	C
B	A060	<a href="#">Aythya nyroca</a>			c				P	DD	C	B	C	C
B	A021	<a href="#">Botaurus stellaris</a>			w	1	2	i		G	C	B	C	C
B	A021	<a href="#">Botaurus stellaris</a>			c				R	DD	C	B	C	C
B	A025	<a href="#">Bubulcus ibis</a>			w				P	DD	D			

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

B	A034	<a href="#">Platalea leucorodia</a>			c				P	DD	C	B	C	C
B	A032	<a href="#">Plegadis falcinellus</a>			c				P	DD	C	B	C	B
B	A140	<a href="#">Pluvialis apricaria</a>			c				P	DD	B	A	C	A
B	A140	<a href="#">Pluvialis apricaria</a>			w	53	137	i		G	B	A	C	A
B	A120	<a href="#">Porzana parva</a>			c				P	DD	C	A	C	B
B	A119	<a href="#">Porzana porzana</a>			c				P	DD	C	A	C	B
B	A132	<a href="#">Recurvirostra avosetta</a>			c				P	DD	C	B	C	C
B	A195	<a href="#">Sterna albifrons</a>			c				P	DD	C	C	C	C
B	A193	<a href="#">Sterna hirundo</a>			c				P	DD	C	C	C	C
B	A191	<a href="#">Sterna sandvicensis</a>			w	1	1	i		G	C	C	C	C
B	A191	<a href="#">Sterna sandvicensis</a>			c				P	DD	C	C	C	C
R	1217	<a href="#">Testudo hermanni</a>			p				P	DD	C	B	C	B
B	A166	<a href="#">Tringa glareola</a>			c				C	DD	C	A	C	A
A	1167	<a href="#">Triturus carnifex</a>			p				C	DD	C	B	C	B
B	A142	<a href="#">Vanellus vanellus</a>			c				P	DD	C	A	C	A
B	A142	<a href="#">Vanellus vanellus</a>			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		<a href="#">Brithys crini</a>						P						X
A	1201	<a href="#">Bufo viridis</a>						P	X					
R	1284	<a href="#">Coluber viridiflavus</a>						C	X					
B		<a href="#">Dendrocopos minor</a>						P						X
P		<a href="#">Eryngium maritimum</a>						P						X
A	5358	<a href="#">Hyla intermedia</a>						P					X	
M	1344	<a href="#">Hystrix cristata</a>						C	X					
R		<a href="#">Lacerta bilineata</a>						P					X	
M	1357	<a href="#">Martes martes</a>						R		X				
M	1341	<a href="#">Muscardinus avellanarius</a>						P	X					
M	1358	<a href="#">Mustela putorius</a>						P		X				
R	1292	<a href="#">Natrix tessellata</a>						P	X					
P		<a href="#">Pancratium maritimum</a>						P						X
R	1256	<a href="#">Podarcis muralis</a>						C	X					
R	1250	<a href="#">Podarcis sicula</a>						C	X					
A	1209	<a href="#">Rana dalmatina</a>						C	X					
A	1210	<a href="#">Rana esculenta</a>						C		X				
P	1849	<a href="#">Ruscus aculeatus</a>						P		X				
B		<a href="#">Sylvia cantillans moltonii</a>						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
N23	2.0
N04	10.0
N18	5.0
N16	5.0
N17	16.0
N05	3.0
N07	21.0
N15	15.0
N19	2.0
N10	21.0
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]
M	F03.01		o
L	D01.01		i
L	G01.08		i
L	G01.01		o
L	G01.02		i
M	D01.02		o
L	H06.01		i
M	D01.02		i
L	E01.03		i
H	G02.10		o
M	J02.05		i
L	G01.08		o
M	D01.04		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 [%]
IT02	100.0	IT11	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