



# 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 IT51A0011  
SITENAME Padule di Diaccia Botrona

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## 1. SITE IDENTIFICATION

1.1 Type	1.2 Site code	<a href="#">Back to top</a>
C	IT51A0011	

### 1.3 Site name

Padule di Diaccia Botrona
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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:	1995-05
Date site confirmed as SCI:	No data
Date site designated as SAC:	2016-05
National legal reference of SAC designation:	DM 24/05/2016 - G.U. 139 del 16-06-2016

## 2. SITE LOCATION

### 2.1 Site-centre location [decimal degrees]:

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Longitude 10.920556      Latitude 42.769167

2.2 Area [ha]: 1348.0      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
1150			502.36		M	B	C	B	A
1310			7.28		M	B	C	A	A
1410			116.86		M	A	C	B	A
1420			229.11		M	B	C	A	A
1510			19.13		M	B	C	B	B
2240			1.49		M	C	C	B	C
2260			56.0		M	B	C	B	B
2270			147.19		M	B	C	B	B
91F0			5.77		M	D			

- **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>			w				P	DD	C	C	C	C
B	A293	<a href="#">Acrocephalus melanopogon</a>			c				P	DD	C	C	C	C
B	A229	<a href="#">Alcedo atthis</a>			p				P	DD	D			
B	A229	<a href="#">Alcedo atthis</a>			c				P	DD	D			
B	A229	<a href="#">Alcedo atthis</a>			w				P	DD	D			
F	1103	<a href="#">Alosa fallax</a>			p				V	DD	B	C	C	C
B	A054	<a href="#">Anas acuta</a>			c				C	DD	C	B	C	C
B	A054	<a href="#">Anas acuta</a>			w				P	DD	C	B	C	C
B	A056	<a href="#">Anas clypeata</a>			w	1500	1500	i		G	B	B	C	B
B	A056	<a href="#">Anas clypeata</a>			c				C	DD	B	B	C	B
B	A052	<a href="#">Anas crecca</a>			w	4500	4500	i		G	C	A	C	B
B	A052	<a href="#">Anas crecca</a>			c				C	DD	C	A	C	B
B	A050	<a href="#">Anas penelope</a>			w	5000	5000	i		G	C	B	C	B
B	A053	<a href="#">Anas platyrhynchos</a>			p	30	30	p		G	C	B	C	B
B	A053	<a href="#">Anas platyrhynchos</a>			w	500	1000	i		G	C	B	C	B
B	A053	<a href="#">Anas platyrhynchos</a>			c	30	30	p		G	C	B	C	B
B	A055	<a href="#">Anas querquedula</a>			w				R	DD	C	A	C	B
B	A055	<a href="#">Anas querquedula</a>			c				C	DD	C	A	C	B
B	A051	<a href="#">Anas strepera</a>			w	80	80	i		G	C	A	C	B
B	A051	<a href="#">Anas strepera</a>			c				C	DD	C	A	C	B
B	A043	<a href="#">Anser anser</a>			c				C	DD	B	A	C	A
B	A043	<a href="#">Anser anser</a>			w	1200	1200	i		G	B	A	C	A
B	A255	<a href="#">Anthus campestris</a>			r				P	DD	C	A	C	C
F	1152	<a href="#">Aphanius fasciatus</a>			p				V	DD	B	C	C	C
B	A028	<a href="#">Ardea cinerea</a>			c	50	50	p		G	C	A	C	B
B	A028	<a href="#">Ardea cinerea</a>			w	50	50	p		G	C	A	C	B

B	A028	<a href="#">Ardea cinerea</a>			p	50	50	p		G	C	A	C	B
B	A029	<a href="#">Ardea purpurea</a>			c				P	DD	D			
B	A060	<a href="#">Aythya nyroca</a>			w	1	5	i		G	D			
B	A021	<a href="#">Botaurus stellaris</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	A025	<a href="#">Bubulcus ibis</a>			w				P	DD	D			
B	A133	<a href="#">Burhinus oedicnemus</a>			r	2	2	i		G	C	B	C	C
B	A133	<a href="#">Burhinus oedicnemus</a>			c				P	DD	C	B	C	C
B	A243	<a href="#">Calandrella brachydactyla</a>			r				P	DD	C	A	C	C
B	A149	<a href="#">Calidris alpina</a>			w	700	700	i		G	C	A	C	B
B	A224	<a href="#">Caprimulgus europaeus</a>			r				P	DD	D			
B	A138	<a href="#">Charadrius alexandrinus</a>			p	1	3	p		DD	C	C	B	C
B	A081	<a href="#">Circus aeruginosus</a>			p	5	5	p		G	B	B	C	B
B	A082	<a href="#">Circus cyaneus</a>			w				P	DD	C	B	C	C
B	A084	<a href="#">Circus pygargus</a>			r				P	DD	C	B	C	C
B	A211	<a href="#">Clamator glandarius</a>			r				R	DD	D			
B	A231	<a href="#">Coracias garrulus</a>			r				P	DD	C	A	C	C
B	A027	<a href="#">Egretta alba</a>			w	50	50	i		G	C	A	C	C
B	A026	<a href="#">Egretta garzetta</a>			p				P	DD	C	A	C	C
R	1279	<a href="#">Elaphe quatuorlineata</a>			p				R	DD	C	B	C	B
B	A381	<a href="#">Emberiza schoeniclus</a>			w				P	DD	D			
R	1220	<a href="#">Emys orbicularis</a>			p				C	DD	C	B	C	B
B	A101	<a href="#">Falco biarmicus</a>			w				P	DD	C	A	C	C
B	A099	<a href="#">Falco subbuteo</a>			w				R	DD	D			
B	A096	<a href="#">Falco tinnunculus</a>			p				P	DD	D			
B	A125	<a href="#">Fulica atra</a>			w	600	600	i		G	C	A	C	C
B	A153	<a href="#">Gallinago gallinago</a>			w	30	30	i		G	C	B	C	C
P	4096	<a href="#">Gladiolus palustris</a>			p				P	DD	C	B	C	B
B	A135	<a href="#">Glareola pratincola</a>			c				R	DD	D			
B	A131	<a href="#">Himantopus himantopus</a>			r	3	3	p		G	C	B	C	C
B	A022	<a href="#">Ixobrychus minutus</a>			r	1	4	p		G	C	C	C	C
B	A338	<a href="#">Lanius collurio</a>			r				P	DD	D			
B	A339	<a href="#">Lanius minor</a>			r				P	DD	D			
B	A292	<a href="#">Locustella luscinioides</a>			c				P	DD	D			
B	A152	<a href="#">Lymnocyptes minimus</a>			c				P	DD	C	C	C	C
B	A160	<a href="#">Numenius arquata</a>			w	40	40	i		G	C	B	C	C
B	A159	<a href="#">Numenius tenuirostris</a>			c				V	DD	C	A	C	B
B	A214	<a href="#">Otus scops</a>			r				P	DD	D			
B	A035	<a href="#">Phoenicopterus ruber</a>			w	500	500	i		G	B	A	C	B
B	A035	<a href="#">Phoenicopterus ruber</a>			p	80	80	p		G	B	A	C	B
B	A034	<a href="#">Platalea leucorodia</a>			w	30	70	i		G	B	A	C	A
B	A140	<a href="#">Pluvialis apricaria</a>			w				C	DD	C	A	C	C
B	A008	<a href="#">Podiceps nigricollis</a>			c				P	DD	C	B	C	C
B	A008	<a href="#">Podiceps nigricollis</a>			w				P	DD	C	B	C	C
B	A132	<a href="#">Recurvirostra avosetta</a>			p				P	DD	D			
B	A303	<a href="#">Sylvia conspicillata</a>			r				P	DD	D			
B	A048	<a href="#">Tadorna tadorna</a>			c				C	DD	C	B	C	C
B	A048	<a href="#">Tadorna tadorna</a>			w				P	DD	C	B	C	C
B	A048	<a href="#">Tadorna tadorna</a>			r	2	2	i		G	C	B	C	C
R	1217	<a href="#">Testudo hermanni</a>			p				R	DD	C	B	C	B
B	A161	<a href="#">Tringa erythropus</a>			w	100	100	i		G	C	A	C	C
B	A162	<a href="#">Tringa totanus</a>			w	350	350	i		G	C	A	C	C
B	A142	<a href="#">Vanellus vanellus</a>			w	350	350	i		G	C	B	C	C

- **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		<a href="#">Althaea officinalis</a>						P						X
P		<a href="#">Aster novi-belgii</a>						P						X
P		<a href="#">Aster tripolium</a>						P						X
P		<a href="#">Baldellia ranunculoides</a>						P						X
P		<a href="#">Bromus tectorum</a>						P						X
A	1201	<a href="#">Bufo viridis</a>						C	X					
P		<a href="#">Butomus umbellatus</a>						P						X
P		<a href="#">Cladium mariscus</a>						P						X
R	1284	<a href="#">Coluber viridiflavus</a>						C	X					
P		<a href="#">Damasonium alisma</a>						P						X
R	1281	<a href="#">Elaphe longissima</a>						P	X					
A	5358	<a href="#">Hyla intermedia</a>						C					X	
P		<a href="#">Juncus littoralis</a>						R						X
P		<a href="#">Juncus subulatus</a>						R						X
I		<a href="#">Lophyridia litoralis memorialis</a>						P						X
P		<a href="#">Myosurus minimus</a>						V						X
R	1292	<a href="#">Natrix tessellata</a>						R	X					
P		<a href="#">Nuphar luteum</a>						P						X
P		<a href="#">Oenanthe fistulosa</a>						P						X
I		<a href="#">Palaemonetes antennarius</a>						P						X
P		<a href="#">PARAPHOLIS STRIGOSA (DUMORT.) HUBBARD</a>						P						X
P		<a href="#">Poa palustris</a>						P						X
R	1250	<a href="#">Podarcis sicula</a>						C	X					
P		<a href="#">Potamogeton nodosus</a>						P						X
A	1210	<a href="#">Rana esculenta</a>						C		X				
P		<a href="#">Sagittaria sagittifolia</a>						P			X			
P		<a href="#">Sarcocornia fruticosa</a>						P						X
P		<a href="#">SCHOENOPLECTUS TRIQUETER (L.) PALLA</a>						P						X
P		<a href="#">Scipus triqueter</a>						P						X
P		<a href="#">Scirpus fluitans</a>						P						X
P		<a href="#">Scirpus litoralis</a>						R						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
N17	15.0
N03	70.0
N12	15.0
Total Habitat Cover	100

Other Site Characteristics

Vasto ambiente palustre comunicante indirettamente con il mare per mezzo di canalizzazioni. Unico lembo di una più ampia zona umida preesistente.

4.2 Quality and importance

Area di grandissima importanza per la sosta, lo svernamento e la nidificazione dell'avifauna acquatica. Fra i siti ICBP, negli ultimi anni è risultata la zona umida più importante della Toscana per lo svernamento di anatidi; di grande importanza anche per la nidificazione di ardeidi e Circus aeruginosus. Presenza fra gli Anfibi del 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	M01.05		I
M	G01.03		I
H	K01.05		I
M	G04.01		I
H	J02.09		I
M	J02		I
H	I01		I
H	F03.01.01		I
M	K03.04		I

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	100
Joint or Co-Ownership		0
Private		0
Unknown		0
sum		100

4.5 Documentation

Archivio RENATO - Repertorio Naturalistico Toscano - Regione ToscanaPiante Vascolari:Comunicazione Pier Virgilio Arrigoni.Comunicazione L. Pignotti. Comunicazione F. Selvi.Herbarium Universitatis Florentinae, Firenze.Herbarium Horti Pisani (PI), Pisa.Tomei P. E., Guazzi E. 1993. Le zone umide della Toscana, lista generale delle entità vegetali Atti Mus. Civ. Stor. Nat. Grosseto, 15: 107-152.Tomei P.E., Longombardo G., Lippi A. 1991. Specie vegetali igrofile delle zone dulciacquicole della Toscana planiziale: aspetti floristici e bioecologici Pacini Editore. Ospedaletto (Pisa).Uccelli:Arcamone E., Baccetti N., Serra L. - 1995 - Limicoli svernanti nelle zone umide costiere della Toscana. Riv. Ital Orn.. 64 (2). Corsi F. 1991. Progetto di conservazione e ripristino ambientale del Padule della Diaccia Botrona Supplemento alle Ricerche di Biologia della Selvaggina 17: 309-312.Corsi F., Giovacchini P. 1995. Atlante degli uccelli svernanti in provincia di Grosseto. inverni 1988/89-1993/94 Amministrazione Provinciale di Grosseto WWF Grosseto. Editrice Caletra.Gretton A. - Action-Plan for the Slender-billed Curlew. Inedito., 1995, Council of Europe, Strasbourg.Puglisi L., Fontanelli A., Baldaccini E. 1995. L'avifauna della Diaccia Botrona: stato attuale e recente evoluzione Ricerche di Biologia della Selvaggina 95: 1-50.Rome' A., Trivison G., Rosselli Delturco B. 1981. Indagini sulle zone umide della Toscana. XI. Avifauna della palude di Castiglion della Pescaia e zone limitrofe Gli uccelli d'Italia 6: 7-33. Ravenna.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.Pesci:Aminti P., Baldaccini N. E., Tinarelli R. 1995 Le zoocenosi In: Progetto generale di assetto dell'area della Diaccia Botrona Riserva Naturale (L.R. 49/95): 42-48. Amministrazione Provinciale di Grosseto. Inedito.Comunicazione Leonardo Favilli.Dipartimento di Scienze del Comportamento Animale e dell'Uomo, Università degli Studi di Pisa (s.d.) Altri elementi della fauna vertebrata In: Indagine faunistico-ambientale sul territorio palustre della Diaccia-Botrona.Insetti: Collezione Rossano Papi, Castelfranco (AR).Crostacei:Ugolini A., Beugnon G., Vannini M. 1988. Orientation and escape reaction in Palaemonetes antennarius Monit. Zool. Ital. (N.S.), 22: 105- 109.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT05	100.0	IT02	100.0	IT11	100.0

5.2 Relation of the described site with other sites:

5.3 Site designation (optional)

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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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

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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).

104 II SE - 104 II S 1:25000 Gauss-Boaga