



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 IT51A0026
SITENAME Laguna di Orbetello

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1. SITE IDENTIFICATION

1.1 Type	1.2 Site code	Back to top
C	IT51A0026	

1.3 Site name

Laguna di Orbetello

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:	2004-03
National legal reference of SPA designation	Del.C.R. n.6 del 21/01/2004
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 11.2225 Latitude 42.459722

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

3694.0 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			2443.12		M	B	C	C	B
1210			1.28		M	D			
1310			161.45		M	A	C	A	A
1410			15.12		M	B	C	B	B
1420			239.43		M	B	C	B	A
1510			1.61		M	C	C	B	B
2120			0.02		M	D			
2240			1.8		M	C	C	B	C
2250			2.33		M	D			
2260			31.58		M	C	C	B	B
2270			27.03		M	D			
3170			0.04		M	D			
6220			0.24		M	D			
6420			1.75		M	D			
9330			7.78		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	Acrocephalus melanopogon			w				R	DD	D			
B	A293	Acrocephalus melanopogon			c				P	DD	D			
B	A229	Alcedo atthis			p				P	DD	C	B	C	C
B	A229	Alcedo atthis			r				P	DD	D			
B	A054	Anas acuta			w				P	DD	B	B	C	B
B	A056	Anas clypeata			w				P	DD	B	B	C	B
B	A052	Anas crecca			w				P	DD	C	B	C	C
B	A050	Anas penelope			w				P	DD	C	B	C	B
B	A053	Anas platyrhynchos			w				P	DD	C	B	C	C
B	A055	Anas querquedula			c				C	DD	C	B	C	C
B	A051	Anas strepera			w				P	DD	B	B	C	B
B	A043	Anser anser			w				R	DD	D			
B	A043	Anser anser			c				P	DD	D			
B	A255	Anthus campestris			r				P	DD	C	B	C	C
F	1152	Aphanius fasciatus			p				P	DD	D			
B	A028	Ardea cinerea			p	50	50	p		G	D			
B	A029	Ardea purpurea			c				P	DD	C	C	C	C
B	A024	Ardeola ralloides			r				P	DD	D			
B	A221	Asio otus			w				P	DD	C	B	C	C
B	A221	Asio otus			c				P	DD	C	B	C	C

B	A059	Aythya ferina			w				P	DD	C	B	C	C
B	A061	Aythya fuligula			w				P	DD	C	B	C	C
B	A060	Aythya nyroca			w				V	DD	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	A133	Burhinus oedicnemus			r				P	DD	C	C	C	B
B	A243	Calandrella brachydactyla			r				P	DD	C	B	C	C
B	A149	Calidris alpina			w				P	DD	C	B	C	C
B	A145	Calidris minuta			w				P	DD	C	B	C	C
B	A224	Caprimulgus europaeus			r				P	DD	D			
B	A138	Charadrius alexandrinus			c				P	DD	C	A	C	C
B	A138	Charadrius alexandrinus			r	6	10	i		G	C	A	C	C
B	A138	Charadrius alexandrinus			w				P	DD	C	A	C	C
B	A197	Chlidonias niger			c				P	DD	C	B	C	C
B	A081	Circus aeruginosus			w				P	DD	C	B	C	C
B	A082	Circus cyaneus			w				P	DD	D			
B	A084	Circus pygargus			r				P	DD	C	B	C	C
B	A211	Clamator glandarius			r				P	DD	C	B	C	C
B	A231	Coracias garrulus			r				P	DD	D			
B	A027	Egretta alba			w				P	DD	C	A	C	C
B	A026	Egretta garzetta			p	250	250	p		G	C	B	C	C
R	1279	Elaphe quatuorlineata			p				P	DD	C	B	C	C
R	1220	Emys orbicularis			p				P	DD	C	B	C	B
B	A101	Falco biarmicus			w				P	DD	C	B	C	C
B	A098	Falco columbarius			w				P	DD	C	B	C	C
B	A099	Falco subbuteo			r				P	DD	D			
B	A096	Falco tinnunculus			p				P	DD	C	A	C	C
B	A125	Fulica atra			w				P	DD	B	B	C	B
B	A002	Gavia arctica			w				C	DD	C	B	C	C
B	A001	Gavia stellata			w				R	DD	C	B	C	C
P	4096	Gladiolus palustris			p				P	DD	D			
B	A131	Himantopus himantopus			r				P	DD	C	B	C	C
B	A022	Ixobrychus minutus			r				P	DD	D			
B	A338	Lanius collurio			c				P	DD	D			
B	A338	Lanius collurio			r				V	DD	D			
B	A339	Lanius minor			r				P	DD	C	A	C	C
B	A341	Lanius senator			r				P	DD	C	B	C	C
B	A181	Larus audouinii			c				V	DD	D			
B	A181	Larus audouinii			w				V	DD	D			
B	A180	Larus genei			c				R	DD	C	B	C	C
B	A176	Larus melanocephalus			w				P	DD	C	B	C	C
B	A152	Lymnocyptes minimus			w				V	DD	C	B	C	C
B	A152	Lymnocyptes minimus			c				P	DD	C	B	C	C
B	A066	Melanitta fusca			w				V	DD	D			
B	A069	Mergus serrator			w				P	DD	C	B	C	C
B	A073	Milvus migrans			c				P	DD	C	B	C	C
B	A074	Milvus milvus			c				V	DD	D			
B	A160	Numenius arquata			w				P	DD	C	B	C	C
B	A159	Numenius tenuirostris			c				V	DD	C	B	C	B
B	A214	Otus scops			r				C	DD	C	B	C	B
B	A094	Pandion haliaetus			c				P	DD	C	B	C	C
B	A072	Pernis apivorus			c				P	DD	C	B	C	C
B	A018	Phalacrocorax aristotelis			c				P	DD	D			
B	A018	Phalacrocorax aristotelis			w				V	DD	D			
B	A017	Phalacrocorax carbo			w				P	DD	B	A	C	B
B	A151	Philomachus pugnax			w				C	DD	C	B	C	C
B	A035	Phoenicopterus ruber			p				P	DD	B	B	B	A
B	A034	Platalea leucorodia			w				P	DD	C	B	C	C

B	A032	Plegadis falcinellus			w				R	DD	C	B	C	C
B	A032	Plegadis falcinellus			c				P	DD	C	B	C	C
B	A140	Pluvialis apricaria			w				R	DD	C	B	C	C
B	A007	Podiceps auritus			w				V	DD	C	B	C	C
B	A008	Podiceps nigricollis			w	200	500	i		G	B	A	C	C
B	A132	Recurvirostra avosetta			w				P	DD	C	B	C	C
B	A195	Sterna albifrons			r	5	15	p		G	C	B	C	C
B	A195	Sterna albifrons			c				P	DD	C	B	C	C
B	A190	Sterna caspia			c				P	DD	C	B	C	C
B	A193	Sterna hirundo			r	3	10	p		G	C	B	C	C
B	A193	Sterna hirundo			c				P	DD	C	B	C	C
B	A191	Sterna sandvicensis			w				P	DD	C	B	C	C
B	A303	Sylvia conspicillata			r				V	DD	C	A	C	C
B	A302	Sylvia undata			r				P	DD	D			
B	A302	Sylvia undata			p				R	DD	D			
B	A048	Tadorna tadorna			w				P	DD	C	B	C	B
R	1217	Testudo hermanni			p				P	DD	C	B	C	B
B	A161	Tringa erythropus			c				C	DD	C	B	C	C
B	A162	Tringa totanus			c				P	DD	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		Althenia filiformis						V						X
A	1201	Bufo viridis						P	X					
I		Cephalota circumdata						P						X
I		Chalcophora detrita						R						X
R	1284	Coluber viridiflavus						C	X					
I		Eurynebria complanata						P						X
A		Hyla intermedia						P					X	
M	1344	Hystrix cristata						C	X					
R		Lacerta bilineata						P					X	
I		Lophyridia litoralis nemoralis						P						X
R	1292	Natrix tessellata						P	X					
I		Oxychilus (Oxychilus) majori						P						X
I		Palaemonetes antennarius						P						X
R	1250	Podarcis sicula						C	X					
I		Pogonus meridionalis						P			X			
I		Prosopigastra punctatissima						P						X
A	1210	Rana esculenta						C		X				
P		Ruppia cirrhosa						P						X
P	1849	Ruscus aculeatus						C		X				
P		Salicornia dolichostachya						P						X
P		Salicornia emerici						P						X
P		Sarcocornia fruticosa						P						X
P		Sarcocornia perennis						P						X
P		Sphenopus divaricatus						P						X

B		Sylvia cantillans moltonii						R			X		X	
M	1333	Tadarida teniotis						P	X					
P		Vulpia muralis						P						X
I		Xerosecta contermina						P						X
I	1053	Zerynthia polyxena						P	X					
P		Zostera noltii Hornem						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

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4.1 General site character

Habitat class	% Cover
N03	70.0
N23	2.0
N20	5.0
N08	5.0
N10	5.0
N21	3.0
N12	10.0
Total Habitat Cover	100

Other Site Characteristics

La principale laguna salmastra della costa tirrenica, separata dal mare dai due tomboli della Feniglia e della Giannella, che collegano la penisola al M. Argentario.

4.2 Quality and importance

Area di elevatissimo valore ornitologico, solo parzialmente inclusa fra i siti ICBP. Di interesse nazionale per lo svernamento di Anas acuta, Anas strepera e Anas clypeata. A livello regionale è il sito più importante per lo svernamento di Fulica atra. Dal 1994 unico sito peninsulare di nidificazione di Phoenicopterus ruber, da tempo svernante in numero elevato. La principale area della costa tirrenica per la sosta di specie ornitiche legate all'ambiente salmastro. Presenza del Mammifero predatore Martes martes.

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		I
M	F02		I
M	M01.05		I
L	J02.07.01		I
H	J02.15		I
M	D03.01.02		I
H	J02		I
H	F01.01		I
H	K02.03		I
M	K03		I
M	J02.02		I
L	H06.02		I
M	J02.11.01		I
M	H01.06		I
M	E01		I
M	D01.02		I
M	D04.03		I
M	E03		I
H	J02.05		I
M	J02.06.04		I
M	I01		I
M	C01.01.02		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	15
Joint or Co-Ownership		0
Private		85
Unknown		0
sum		100

4.5 Documentation

Cavalli S., Lambertini M., 1988, Argentario e Laguna di Orbetello. Guida alla natura. Storia, escursioni., Pacini Ed., Ospedaletto (PI), 183 pp.Gretton A. - Action-Plan for the Slender-billed Curlew. Inedito., 1995, Council of Europe, Strasbourg.Ministero dell'Ambiente. Servizio Conservazione Natura., 1992, Inventario delle zone umide del territorio italiano: pp. 263.Canu A., Indelli G., 1989, Le oasi del WWF. Storia, ambiente, itinerari dei paradisi naturalistici italiani., G. Mondadori, Milano, 207 pp.Comunicazione Stefano Vanni.Collezione F. Giusti, Dip. di Biologia Evolutiva, Università di Siena. Comunicazione Bruno Foggi.Piante Vascolari: Baldini R.M. 1995. Flora vascolare del Monte Argentario (Arcipelago Toscano) Webbia 50(1): 67-191.Herbarium Universitatis Florentinae, Firenze.Onnis A. 1967. Althenia filiformis Petit, nuova specie per la Toscana Atti Soc. Tosc. Sci. Nat., Mem., ser. B, 74: 71-75.Uccelli:Arcamone E. - 1989 - Lo svernamento di Anseriformi e Folaga in Toscana. 1984-1988. Quad. Mus. Stor. Nat. Livorno 10, Suppl. 1. Arcamone E., Baccetti N., Serra L. 1994. Limicoli svernanti nelle zone umide costiere della Toscana Rivista Italiana di Ornitologia, Milano, 64:3-13.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. 1988. Cronaca ornitologica italiana: 1987 Quaderni del Museo di Storia Naturale di Livorno, 9: 75-90.Arcamone E., Tellini G. 1992. Cronaca ornitologica toscana: 1988-1989 Quaderni del Museo di Storia Naturale di Livorno, 12: 37-69.Comunicazione personale Centro Ornitologico Toscano.Calchetti L., Cianchi F., Giannella C. 1987. L'avifauna della laguna di Orbetello (GR) Picus (Modena), 13 (2): 81-126.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 Caletta.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.Rettili:Ceccolini G., Cenerini A., 1998. Parchi, Riserve e Aree Protette della Toscana. WWF Italia, Roma, WWF Toscana, Firenze: 174 pp.Insetti:Cassola F. 1973. Studi sui Cicindelidi. VII. Un interessante reperto nella Laguna di Orbetello: Cephalota (Taenidia) circumdata leonschaeferi Cassola (Coleoptera) Atti Soc. tosc. Sci. nat., Mem. Ser. B, 79[1972]: 92-96.Collezione Riccardo Consorti, Prato.Comunicazione Leonardo Favilli.Eusebi M.P., Favilli L., Lovari S. 1989. Some abiotic factors affecting the activity and habitat choise of the tiger beetle Cephalota circumdata leonschaeferi (Cassola) (Coleoptera Cicindelidae) Boll. Zool., 56: 143-150.Favilli L., Eusebi M. P. 1990. Osservazioni sull'attivita' predatoria di Cephalota circumdata leonschaeferi (Cassola, 1970) (Coloeptera Cicindelidae) Fragmenta Entomologica, 22(2): 317-322.Magistretti M. 1965. Fauna d'Italia. 8.Coleoptera Cicindelidae, Carabidae. Catalogo topografico Calderini Ed., Bologna. Magnano L., Bartolozzi L., Bambi S. - 1992 - Contributo alla conoscenza della entomofauna del Parco Naturale della Maremma. Redia, 75(2): 429-446.Pagliano G. 1990. Catalogo degli Imenotteri italiani. II - Sfecidae Boll. Mus. reg. Sci. Nat. Torino, 8(1): 53-141.Prola G. & Prola C. 1990. Libro rosso delle farfalle italiane Quaderni W.W.F. n. 13.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT11	100.0	IT07	27.0	IT02	29.0
IT13	1.0				

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT11	Monte Argentario, I.tto di Porto Ercole e Argentarola	/	
IT13	Monte Argentario, I.tto di Porto Ercole e Argentarola	/	

5.3 Site designation (optional)

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Comando Carabinieri Forestale (UTCB di Follonica)
Address:	via Bicocchi 2, 58022 Follonica (GR); tel 0566/40019.Ufficio di zona C.F.S. 58015 Orbetello (GR). Tel. 0564/834086.
Email:	

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

Organisation:	WWF
Address:	via Garigliano 57, 00168 Roma. Tel. 06/844971
Email:	

6.2 Management Plan(s):

An actual management plan does exist:

<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No, but in preparation
<input type="checkbox"/>	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).

107 III SE - 108 III 1:25000 Gauss-Boaga