



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 IT5190009
SITENAME Lago di Chiusi

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1. SITE IDENTIFICATION

1.1 Type	1.2 Site code	Back to top
C	IT5190009	

1.3 Site name

Lago di Chiusi

1.4 First Compilation date	1.5 Update date
1995-07	2020-12

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:	2016-05
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	Latitude
11.963056	43.053611

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

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name
ITE1	Toscana

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
3130			2.79		M	C	C	C	B
3150			74.02		M	B	C	B	B
3260			0.02		M	D			
3270			0.02		M	D			
6430			0.04		M	D			
7210			0.23		M	D			
92A0			34.44		M	C	C	C	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	A298	Acrocephalus arundinaceus			r				C	DD	C	B	C	C
B	A293	Acrocephalus melanopogon			w				P	DD	D			
B	A293	Acrocephalus melanopogon			c				P	DD	D			
B	A297	Acrocephalus scirpaceus			p				P	DD	C	B	C	B
B	A229	Alcedo atthis			p				P	DD	D			
B	A056	Anas clypeata			p				P	DD	C	B	C	B

B	A052	Anas crecca			p				P	DD	C	B	C	B
B	A050	Anas penelope			p				P	DD	C	B	C	B
B	A053	Anas platyrhynchos			p				P	DD	C	B	C	B
B	A055	Anas querquedula			p				P	DD	C	B	C	B
B	A051	Anas strepera			c				P	DD	C	B	C	B
B	A028	Ardea cinerea			p				P	DD	C	B	C	B
B	A029	Ardea purpurea			r				P	DD	C	B	C	A
B	A024	Ardeola ralloides			r				P	DD	C	B	C	A
B	A059	Aythya ferina			w				P	DD	C	B	C	B
B	A061	Aythya fuligula			w				P	DD	C	B	C	B
B	A060	Aythya nyroca			p	16	16	i		G	C	B	C	A
B	A021	Botaurus stellaris			w				P	DD	C	B	C	A
B	A025	Bubulcus ibis			r				P	DD	D			
B	A025	Bubulcus ibis			w				P	DD	D			
B	A149	Calidris alpina			w				P	DD	C	B	C	C
B	A145	Calidris minuta			w				P	DD	C	B	C	C
B	A080	Circaetus gallicus			c	1	1	i		P	C	B	C	B
B	A081	Circus aeruginosus			c				P	DD	C	B	C	B
B	A082	Circus cyaneus			w				C	DD	C	B	C	C
B	A027	Egretta alba			w				P	DD	C	B	C	B
B	A026	Egretta garzetta			r				P	DD	C	B	C	A
B	A125	Fulica atra			r				P	DD	C	B	C	C
B	A153	Gallinago gallinago			c				P	DD	C	B	C	C
B	A131	Himantopus himantopus			c				P	DD	C	B	C	C
B	A022	Ixobrychus minutus			r				P	DD	C	B	C	B
B	A338	Lanius collurio			r				P	DD	D			
B	A292	Locustella luscinioides			r				P	DD	C	B	C	B
B	A073	Milvus migrans			r				P	DD	C	B	C	B
B	A260	Motacilla flava			r				P	DD	C	B	C	C
B	A260	Motacilla flava			p				P	DD	C	B	C	C
B	A023	Nycticorax nycticorax			r				C	DD	C	B	C	A
B	A323	Panurus biarmicus			p				P	DD	C	B	B	B
B	A005	Podiceps cristatus			r				P	DD	C	B	C	C
B	A164	Tringa nebularia			c				P	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
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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		Butomus umbellatus						R						X
P		Eleocharis acicularis						P						X
P		Elodea canadensis						R						X
P		Hippuris vulgaris			1000	1000	area				X			
P		Hydrocharis morsus-ranae						P						X
R		Lacerta bilineata						P					X	
M		Micromys minutus						P					X	
P		Miriophyllum verticillatum			50	100	area							X
P		Najas marina						P						X
P		Nuphar luteum						R						X
P		Nymphaea alba			50	100	area							X
P		Nymphoides peltata						R						X
P		Oenanthe aquatica						R						X
P		Oenanthe fistulosa						V						X
I		Planorbarius corneus						C						X
P		Potamogeton lucens						R						X
P		Potamogeton sp.pl.						R						X
I		Pseudotrichia rubiginosa						P						X
A	1209	Rana dalmatina						P	X					
A	1210	Rana esculenta						C		X				
P		Sagittaria sagittifolia						R			X			
P		Salvinia natans						P			X			
P		Scirpus lacustris						R						X
B		Sylvia cantillans moltonii						R			X		X	
I		Tapinotus sellatus						P						X
I		Theodoxus fluviatilis						R						X
P		Trapa natans						V					X	
A		Triturus vulgaris						P						X
P		Utricularia vulgaris						P						X
P		Vallisneria spiralis						P						X
I		Viviparus contectus						C						X
I	1053	Zerynthia polyxena						R	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
N06	78.0
N12	10.0
N10	2.0
N07	10.0
Total Habitat Cover	100

Other Site Characteristics

Lago di modesta profondità residuo, insieme al Lago di Montepulciano, di un ampio bacino idrico presente dal Pliocene, in comunicazione con il bacino del Tevere fino in epoca storica (1200 circa), in seguito deviato verso il bacino dell'Arno. Entrambi i laghi sembrano soggetti ad un rapido interrimento.

4.2 Quality and importance

Notevole interesse floristico e vegetazionale per la presenza di un complesso di idrofite e eleofite e di associazioni ormai rare a causa delle bonifiche delle zone palustri. L'interesse del sito è comunque dovuto soprattutto alla sua importanza per la conservazione dell'avifauna acquatica. In particolare è da segnalare la garzaia (colonia di ardeidi), una delle principali della Toscana, che ospita *Nycticorax nycticorax*, *Ardeola ralloides*, *Egretta garzetta*, *Ardea purpurea*. Tra le specie ornitiche nidificanti di interesse sono da segnalare *Ixobrychus minutus*, *Milvus migrans*, *Panurus biarmicus* e *Achrocephalus melanopogon*.

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	J03		i
H	H01		b
M	A02		b
M	J02		b
M	H02		i
H	I01		b
L	B01.02		b
M	D01		i
H	A01		b
L	F06		i
M	A04.03		b
M	D02.01		b
H	G01		b
H	F03		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)

Type		[%]
Public	National/Federal	0
	State/Province	0
	Local/Municipal	0
	Any Public	80
Joint or Co-Ownership		0
Private		20
Unknown		0
sum		100

4.5 Documentation

Archivio RENATO - Repertorio Naturalistico Toscano - Regione ToscanaComunicazione Leonardo Favilli.Collezione F. Giusti, Dip. di Biologia Evolutiva, Università di Siena.Comunicazione Stefano Vanni.Piante Vascolari:Arrigoni P.V., Ricceri C. - La vegetazione dei laghi di Chiusi e di Montepulciano (Siena)., 1982, Atti Soc. Tosc. Sci. Nat., Mem., Serie B, 88: 285-299.Casini F., Dipartimento di Biologia Ambientale Università degli Studi di Siena , ricerca di dottorato in corsoUccelli:Arcamone E. - Lo svernamento di Anseriformi e Folaga in Toscana. 1984-1988., 1989, Quad. Mus. Stor. Nat. Livorno 10, Suppl. 1.Baccetti N., Meschini E. - Confronto tra distribuzioni storiche e attuali di alcune specie in base ai dati del progetto atlante della Toscana., 1986, Riv. ital. Ornitol., 56: 67-78.Brichetti P. - Basettino Panurus biarmicus in: Meschini E. e Frugis S. (eds) (1983) Atlante degli uccelli nidificanti in Italia., 1993, Suppl. Ric. Biol. Selvaggina, 20: 232.Centro ornitologico toscano.Nardi R., Tinarelli R. - La garzaia del Lago di Chiusi., 1991, Suppl. Ric. Biol. Selvaggina, 17: 381-384.Romé - Osserbazioni ornitologiche interessanti effettuate nel 1981 in Toscana., 1982, Avifauna (Genova), 5: 177-181.Scoccianti C., Scoccianti G., 1995, I rapaci diurni delle province di Siena e Grosseto. Studio per la conservazione. WWF Delegazione Toscana serie scientifica, 2: 136 pp.Insetti:Bordoni A., 1995, I Coleotteri del Padule di Fucecchio., Centro Ric., Docum. Promoz. Padule Fucecchio.Anfibi:Piazzini S., Favilli L. & Manganelli G., 2005 . Atlante degli Anfibi della Provincia di Siena (1999-2004).Sistema delle riserve Naturali della Provincia di Siena , Quaderni Naturalistici, 1: 112 pp.Mammiferi:Manganelli G., Pezzo F., Piazzini S., 2001. Micromys minutus (Mammalia, Rodentia, Muridae) nel comprensorio dei laghi di Chiusi e Montepulciano (Toscana - Umbria). Atti della Società Toscana di Scienze Naturali, Memorie Serie B, Vol. CVIII.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]
IT11	90.0	IT00	10.0

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).

119 IV SO 1:25000 Gauss-Boaga