



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 IT5170009
SITENAME Lago di Santa Luce

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1. SITE IDENTIFICATION

1.1 Type	1.2 Site code	Back to top
B	IT5170009	

1.3 Site name

Lago di Santa Luce

1.4 First Compilation date	1.5 Update date
2010-03	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:	0000-00
National legal reference of SPA designation	No data
Date site proposed as SCI:	2010-10
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 10.518611 Latitude 43.443889

2.2 Area [ha]: 525.0 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
3150			4.07		M	C	C	B	C
3270			0.03		M	D			
6420			0.02		M	D			
92A0			15.23		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				P	DD	C	B	C	C
B	A298	Acrocephalus arundinaceus			c				P	DD	C	B	C	C
B	A293	Acrocephalus melanopogon			r				P	DD	C	B	C	B
B	A293	Acrocephalus melanopogon			c				P	DD	C	B	C	B
B	A297	Acrocephalus scirpaceus			r				P	DD	C	B	C	B
B	A297	Acrocephalus scirpaceus			c				P	DD	C	B	C	B
B	A168	Actitis hypoleucos			w				V	DD	C	C	C	C
B	A168	Actitis hypoleucos			c				P	DD	C	C	C	C
B	A168	Actitis hypoleucos			r				V	DD	C	C	C	C
B	A247	Alauda arvensis			c				P	DD	C	B	C	B
B	A247	Alauda arvensis			r				P	DD	C	B	C	B
B	A229	Alcedo atthis			r				P	DD	C	B	C	B
B	A054	Anas acuta			w				V	DD	C	B	C	B
B	A054	Anas acuta			c				P	DD	C	B	C	B
B	A056	Anas clypeata			c				P	DD	C	B	C	B
B	A056	Anas clypeata			w				V	DD	C	B	C	B
B	A052	Anas crecca			w	101	250	i		G	C	B	C	B
B	A052	Anas crecca			c				P	DD	C	B	C	B
B	A050	Anas penelope			c				P	DD	C	B	C	B
B	A050	Anas penelope			w				R	DD	C	B	C	B
B	A053	Anas platyrhynchos			w	11	50	i		G	C	B	C	B
B	A053	Anas platyrhynchos			r				C	DD	C	B	C	B
B	A055	Anas querquedula			c				P	DD	C	B	C	B
B	A257	Anthus pratensis			w				P	DD	D			
B	A028	Ardea cinerea			c				P	DD	C	B	C	C
B	A028	Ardea cinerea			w	1	5	i		G	C	B	C	C
B	A029	Ardea purpurea			r	1	2	p		G	C	C	C	C
B	A029	Ardea purpurea			c				R	DD	C	C	C	C
B	A024	Ardeola ralloides			c				P	DD	C	C	C	C
B	A221	Asio otus			p				P	DD	C	B	C	B

B	A218	Athene noctua				p				P	DD	C	B	C	B
B	A059	Aythya ferina				w	51	100	i		G	C	B	C	B
B	A059	Aythya ferina				c				P	DD	C	B	C	B
B	A061	Aythya fuligula				w				V	DD	C	B	C	B
B	A061	Aythya fuligula				c				P	DD	C	B	C	B
B	A060	Aythya nyroca				c				V	DD	C	B	C	B
B	A021	Botaurus stellaris				w				V	DD	C	C	C	C
B	A021	Botaurus stellaris				c				V	DD	C	C	C	C
B	A087	Buteo buteo				r				P	DD	C	B	C	B
B	A224	Caprimulgus europaeus				r				P	DD	C	B	C	B
B	A288	Cettia cetti				p				P	DD	C	B	C	B
B	A031	Ciconia ciconia				c				R	DD	C	B	C	B
B	A081	Circus aeruginosus				w				V	DD	C	B	C	B
B	A081	Circus aeruginosus				c				P	DD	C	B	C	B
B	A082	Circus cyaneus				c				P	DD	C	B	C	B
B	A082	Circus cyaneus				w				P	DD	C	B	C	B
B	A084	Circus pygargus				c				P	DD	C	C	C	C
B	A289	Cisticola juncidis				p				P	DD	C	C	C	C
B	A373	Coccothraustes coccothraustes				w				P	DD	C	B	C	B
B	A253	Delichon urbica				c				P	DD	C	B	C	B
B	A253	Delichon urbica				r				P	DD	C	B	C	B
B	A027	Egretta alba				w	1	5	i		G	C	C	C	C
B	A027	Egretta alba				c				R	DD	C	C	C	C
B	A026	Egretta garzetta				c				C	DD	C	C	C	C
B	A026	Egretta garzetta				w	1	5	i		G	C	C	C	C
B	A379	Emberiza hortulana				c				V	DD	C	C	C	C
B	A381	Emberiza schoeniclus				w				P	DD	C	B	C	B
B	A096	Falco tinnunculus				p				P	DD	C	B	C	B
B	A125	Fulica atra				p				P	DD	C	B	C	B
B	A125	Fulica atra				w	11	50	i		G	C	B	C	B
B	A244	Galerida cristata				c				P	DD	C	B	C	B
B	A244	Galerida cristata				r				P	DD	C	B	C	B
B	A153	Gallinago gallinago				c				P	DD	C	C	C	C
B	A153	Gallinago gallinago				w				V	DD	C	C	C	C
B	A123	Gallinula chloropus				p				P	DD	C	B	C	B
B	A123	Gallinula chloropus				w	1	5	i		G	C	B	C	B
B	A251	Hirundo rustica				c				P	DD	C	B	C	B
B	A251	Hirundo rustica				r				P	DD	C	B	C	B
B	A022	Ixobrychus minutus				r				P	DD	C	B	C	B
B	A233	Jynx torquilla				r				P	DD	C	B	C	B
B	A338	Lanius collurio				r				P	DD	C	C	C	C
B	A182	Larus canus				w				V	DD	C	B	C	B
B	A292	Locustella luscinioides				r				P	DD	C	B	C	B
B	A292	Locustella luscinioides				c				P	DD	C	B	C	B
B	A069	Mergus serrator				w				V	DD	C	B	C	B
B	A230	Merops apiaster				r				P	DD	C	B	C	B
B	A230	Merops apiaster				c				P	DD	C	B	C	B
B	A383	Miliaria calandra				p				P	DD	C	B	C	B
B	A073	Milvus migrans				c				P	DD	C	B	C	B
B	A160	Numenius arquata				c				R	DD	C	C	C	C
B	A023	Nycticorax nycticorax				c				P	DD	C	C	C	C
B	A214	Otus scops				r				P	DD	C	C	C	C
B	A094	Pandion haliaetus				c				V	DD	C	B	C	B
B	A356	Passer montanus				p				P	DD	C	B	C	B
B	A072	Pernis apivorus				c				P	DD	C	B	C	C
B	A035	Phoenicopterus ruber				c				R	DD	C	C	C	C
B	A235	Picus viridis				p				P	DD	C	B	C	B
B	A005	Podiceps cristatus				r				P	DD	C	B	C	B
B	A005	Podiceps cristatus				w	11	50	i		G	C	B	C	B

B	A249	Riparia riparia			c				P	DD	C	B	C	B
B	A219	Strix aluco			c				P	DD	D			
B	A004	Tachybaptus ruficollis			r				C	DD	C	B	C	B
B	A004	Tachybaptus ruficollis			w	1	5	i		G	C	B	C	B
B	A048	Tadorna tadorna			w				V	DD	C	B	C	B
B	A164	Tringa nebularia			c				P	DD	C	C	C	C
B	A162	Tringa totanus			c				P	DD	C	C	C	C
B	A284	Turdus pilaris			w				P	DD	D			
B	A213	Tyto alba			p				P	DD	C	B	C	B
B	A142	Vanellus vanellus			c				P	DD	C	B	C	C
B	A142	Vanellus vanellus			w	51	100	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
A		Bufo bufo						C					X	
P		Eleocharis palustris						R						X
F		Esox lucius						P			X			
M	1341	Muscardinus avellanarius						P	X					
M	1358	Mustela putorius						P		X				
P		Polygonum amphibium						P						X
P		Potamogeton natans						P						X
P		Schoenoplectus triqueter						P						X
P		Stachys palustris						P						X
A		Triturus vulgaris						C					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	65.0
N16	15.0
N15	5.0
N07	15.0
Total Habitat Cover	100

Other Site Characteristics

La porzione centrale del Sito è occupata dal Lago di Santa Luce, un bacino artificiale che si estende per 105 ha; questo è circondato da una fascia perimetrale comprendente tratti di fitta vegetazione palustre (canneti, cariceti e tifeti) alternati a boschetti allagati (con pioppo, olmo campestre, salice e tamerice) e a tratti di macchie molto fitte (rovo, prugnolo, biancospino, sanguinella, miste ad alaterno e fillirea). Completano l'area alcune zone destinate a coltivazioni tradizionali, di un certo interesse, condotte con pratiche di agricoltura sostenibile e in piccola parte biologica.

4.2 Quality and importance

I primi dati relativi alle presenze ornitiche risalgono al 1976. I dati forniscono un quadro interessante del lago e le ricerche condotte negli ultimi 10 anni hanno confermato, ed anzi amplificato, il ruolo di grande potenzialità naturalistica e soprattutto ornitica del sito. Vi nidificano specie di interesse conservazionistico tra i

quali Ardea purpurea e Botaurus stellaris ed è utilizzato quale sito di svernamento da numerose specie tra i quali Podiceps cristatus, Circus aeruginosus e Circus cyaneus. Grazie anche alla sua localizzazione prossima alla costa rappresenta un sito importante per la sosta migratoria. Di importanza naturalistica anche le cenosi idrofittiche e la vegetazione ripariale che caratterizza alcuni tratti delle sponde.

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	K02		I
L	H01		I
H	J02		I
L	D01.02		I
H	A08		I
L	G01.02		I
L	D01.01		I
H	A01		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 ToscanaArcamone E., Meschini E., 1984. L'avifauna del bacino artificiale di S. Luce (PI) 1976-1984. Quaderni Mus. St. Nat. Livorno, 5: 145-162.Lambertini M., Arcamone E., 1984. Accertata nidificazione di Svasso maggiore in Provincia di Pisa. Quaderni Mus. St. Nat. Livorno.Tomei P.E., Longobardo G., Lippi A., 1991. Specie vegetali igrofile delle zone dulciacquicole della Toscana planiziale: aspetti floristici e bioecologici. Pacini editore, Pisa.Bertacchi A., Bocci G., Lombardi T., Tomei P.E., 2005. Le fitocenosi riparie della Toscana nord-occidentale. Il Fiume Fine. ETS

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT05	52.0				

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT05	Riserva Naturale Provinciale Lago di Santa Luce	+	52.0

5.3 Site designation (optional)

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the 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:

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

105 III 1:25000 gauss-boaga