



# 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 ITA050005  
SITENAME Lago Sfondato

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## 1. SITE IDENTIFICATION

<b>1.1 Type</b> B	<b>1.2 Site code</b> ITA050005	<a href="#">Back to top</a>
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### 1.3 Site name

Lago Sfondato

<b>1.4 First Compilation date</b> 1998-06	<b>1.5 Update date</b> 2019-12
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### 1.6 Respondent:

**Name/Organisation:** Regione Siciliana Ass.to Territorio e Ambiente Servizio 4°  
**Address:** Via Ugo La Malfa 169 - 90146 Palermo  
**Email:**

### 1.7 Site indication and designation / classification dates

<b>Date site classified as SPA:</b>	0000-00
<b>National legal reference of SPA designation</b>	No data
<b>Date site proposed as SCI:</b>	1995-09
<b>Date site confirmed as SCI:</b>	No data
<b>Date site designated as SAC:</b>	2015-12
<b>National legal reference of SAC designation:</b>	DM 21/12/2015 - G.U. 8 del 12-01-2016

## 2. SITE LOCATION

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

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**Longitude** 13.946667      **Latitude** 37.582222

**2.2 Area [ha]:** 126.0      **2.3 Marine area [%]:** 0.0

### 2.4 Sitelength [km]:

0.0

### 2.5 Administrative region code and name

<b>NUTS level 2 code</b>	<b>Region Name</b>

## 2.6 Biogeographical Region(s)

Mediterranean (100.0  
%)

## 3. ECOLOGICAL INFORMATION

### 3.1 Habitat types present on the site and assessment for them

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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			0.1		P	D			
3140			0.35		G	A	C	A	B
5330			0.1		G	C	C	C	C
6220			28.68		P	C	C	C	C
8210			0.29		G	C	C	C	C
92D0			1.02		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	A297	<a href="#">Acrocephalus scirpaceus</a>			r				P	DD	D			
B	A247	<a href="#">Alauda arvensis</a>			w				P	DD	D			
B	A226	<a href="#">Apus apus</a>			r				C	DD	D			
B	A028	<a href="#">Ardea cinerea</a>			c				C	DD	D			
B	A243	<a href="#">Calandrella brachydactyla</a>			r				P	DD	D			
B	A081	<a href="#">Circus aeruginosus</a>			c				P	DD	D			
B	A082	<a href="#">Circus cyaneus</a>			w				P	DD	D			
B	A113	<a href="#">Coturnix coturnix</a>			c				P	DD	D			
B	A253	<a href="#">Delichon urbica</a>			c				C	DD	D			
B	A269	<a href="#">Erithacus rubecula</a>			w				C	DD	D			
B	A101	<a href="#">Falco biarmicus</a>			p				V	DD	D			
B	A095	<a href="#">Falco naumanni</a>			c				P	DD	B	C	B	C
B	A359	<a href="#">Fringilla coelebs</a>			w				P	DD	D			
B	A251	<a href="#">Hirundo rustica</a>			r				C	DD	D			
B	A341	<a href="#">Lanius senator</a>			c				P	DD	D			
B	A271	<a href="#">Luscinia megarhynchos</a>			r				C	DD	D			
B	A230	<a href="#">Merops apiaster</a>			c				C	DD	D			
B	A073	<a href="#">Milvus migrans</a>			c				P	DD	D			
B	A262	<a href="#">Motacilla alba</a>			w				C	DD	D			
B	A261	<a href="#">Motacilla cinerea</a>			w				C	DD	D			
B	A260	<a href="#">Motacilla flava</a>			c				R	DD	D			
B	A319	<a href="#">Muscicapa striata</a>			r				P	DD	D			
B	A277	<a href="#">Oenanthe oenanthe</a>			r				P	DD	D			
B	A214	<a href="#">Otus scops</a>			c				P	DD	D			
B	A315	<a href="#">Phylloscopus collybita</a>			c				C	DD	D			
B	A315	<a href="#">Phylloscopus collybita</a>			w				C	DD	D			
B	A275	<a href="#">Saxicola rubetra</a>			c				P	DD	D			
B	A210	<a href="#">Streptopelia turtur</a>			r				C	DD	D			
B	A351	<a href="#">Sturnus vulgaris</a>			w				C	DD	D			
B	A304	<a href="#">Sylvia cantillans</a>			r				C	DD	D			

B	A303	<a href="#">Sylvia conspicillata</a>			r				R	DD	D			
B	A232	<a href="#">Upupa epops</a>			c				P	DD	D			

- **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="#">Anacamptis pyramidalis</a>						P					X	
P		<a href="#">Astragalus huetii</a>						P				X		
P		<a href="#">Barlia robertiana</a>						C					X	
B		<a href="#">Buteo buteo</a>						R					X	
B		<a href="#">Cettia cettii</a>						P					X	
B		<a href="#">Cisticola juncidis</a>						P					X	
P		<a href="#">Colchicum bivonae</a>						P						X
P		<a href="#">Colchicum cupanii</a>						P						X
P		<a href="#">Dianthus arrostii</a>						C			X			
P		<a href="#">Euphorbia ceratocarpa</a>						P						X
B		<a href="#">Falco tinnunculus</a>						P					X	
M		<a href="#">Lepus corsicanus</a>						R					X	
R		<a href="#">Natrix natrix</a>						P						X
P		<a href="#">Ophrys sphegodes</a>						P					X	
P		<a href="#">Ophrys bertolonii</a>						P					X	
P		<a href="#">Ophrys bombyliflora</a>						P					X	
P		<a href="#">Ophrys ciliata</a>						P					X	
P		<a href="#">Ophrys exaltata</a>						P					X	
P		<a href="#">Ophrys incubacea</a>						P					X	
P		<a href="#">Ophrys lutea</a>						P					X	
P		<a href="#">Ophrys pallida</a>						P					X	
P		<a href="#">Ophrys panormitana</a>						P					X	
P		<a href="#">Ophrys tenthredinifera</a>						P					X	
P		<a href="#">Orchis collina</a>						P					X	
P		<a href="#">Orchis italica</a>						P					X	
P		<a href="#">Orchis longicornu</a>						P					X	
P		<a href="#">Orchis papilionacea</a>						P					X	
P		<a href="#">Polypodium cambricum</a>						P						X
P		<a href="#">Ranunculus bullatus</a>						P						X
P		<a href="#">Ranunculus trilobus</a>						P						X
P		<a href="#">Serapias parviflora</a>						P					X	
P		<a href="#">Serapias vomeracea</a>						P					X	
P		<a href="#">Sternbergia lutea</a>						C						X
B		<a href="#">Tachybaptus ruficollis</a>						P			X			
B		<a href="#">Tyto alba</a>						P					X	
R		<a href="#">Vipera aspis</a>						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
N09	35.0
N08	12.0
N22	5.0
N06	7.0
N07	8.0
N12	33.0
<b>Total Habitat Cover</b>	<b>100</b>

### Other Site Characteristics

Il Sito ricade nel comune di Caltanissetta. Il lago costituisce una conca di sprofondamento formatasi per il crollo e lo scivolamento di formazioni gessose circa un secolo fa. L'apporto idrico è dovuto ad una falda perenne sotterranea. Il substrato è costituito da rocce evaporitiche della serie gessoso-solfifera, dal punto di vista pedologico sono riportati litosuoli, suoli bruni e regosuoli. Bioclina mesomediterraneo medio secco superiore, con piovosità media annua di 561 mm, temperatura media annua di 16° C (Stazione di Caltanissetta). Lungo le sponde è presente una cintura di vegetazione in evoluzione, costituita da varie alofite. Nei dintorni del lago sono molto diffusi gli aspetti di vegetazione erbacea sinantropica, di pascolo, gli ampelodesmeti e le comunità ad *Hypharhenia hirta*. Sono inoltre presenti aspetti di gariga, comunità di macchia a dominanza di *Anagyris foetida*, consorzi impoveriti del Pruno-Rubion ulmifolii, vegetazione degli ambienti rupestri gessosi, oltre a nuclei di *Tamarix gallica* lungo i greti dei torrenti.

### 4.2 Quality and importance

Il paesaggio è caratterizzato dallo specchio d'acqua, oltre che da affioramenti di gessi, pendii occupati da comunità erbacee, arbustive e di gariga, corsi d'acqua a regime torrentizio, e seminativi. Il lago ospita comunità di macroalghe, ma non cenosi di igrofite a causa dell'elevata salinità e torbidità. Sono note per l'area più di 300 specie vascolari, tra cui numerose orchidee e bulbose. Per quanto riguarda la stessa flora vascolare, nell'area sono presenti alcuni taxa di interesse fitogeografico (inseriti alla sezione 3.3: D).

### 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	K01.01		b
M	A04.02.05		b
M	L05		i
M	A04.03		b
M	A06.01.02		b
L	K01.02		i
H	J01.01		b
L	G01.03.02		b
M	A01		i
M	A08		b
M	A10.01		b
H	A02.02		b
M	F03.01		o
M	A03		b
M	F03.02.03		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]
M	A04.02.02		i
M	A04.03		b
M	A03.03		i

### 4.4 Ownership (optional)

### 4.5 Documentation

BULGARINI F., CALVARIO E., FRATICELLI F., PETRETTI F. & SARROCCO S. (Eds), 1998 - Libro Rosso degli Animali d'Italia. Vertebrati - WWF Italia, Roma.  
DE GREGORIO A., 1910 - Formazione di un nuovo lago minuscolo a Mimiani (presso Marianopoli) - Naturalista sicil., 1: 223-224.  
DIMARCA A. & FALCI A., 2001 - La Riserva Naturale "Lago Sfondato" ed il comprensorio di Mimiani - Naturalista sicil., S.IV, XXV (suppl.): 395-400.  
LO VALVO F. & LONGO A.M., 2001 - Anfibi e rettili di Sicilia - WWF-SSSN, 58 pp.  
LO VALVO F., 1998 - Status e conservazione dell'erpetofauna siciliana - Naturalista sicil., XXII: 53-71.  
LO VALVO M., MASSA B. & SARÀ M., 1993 - Uccelli e paesaggio in Sicilia alle soglie del terzo millennio - Naturalista sicil., XVII: 1-376.  
PASTA S., 2001 - Lineamenti della flora e vegetazione del Lago Sondato - Naturalista sicil., S.IV, XXV (suppl.): 401-421.  
PAVAN M. (a cura), 1992 - Contributo per un "Libro Rosso" della fauna e della flora minacciate in Italia - Ist. Entom. Univ. Pavia, 720 pp.  
RIGGIO S. & MASSA B., 1975 - Problemi di conservazione della natura in Sicilia. 1° contributo per un'analisi della degradazione ambientale ed elenco delle aree dell'isola di maggiore interesse naturalistico. - Atti IV Simp. naz. Conserv. Natura, Bari, 2: 299-425.  
SOCIETAS HERPETOLOGICA ITALICA, 1996 - Atlante provvisorio degli Anfibi e Rettili italiani - Annali Mus. Civ. St. nat. G.Doria, Genova, 91: 95-178.

## 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	45.0				

### 5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT05	R.N.I. Lago Sfondato	*	90.0

### 5.3 Site designation (optional)

## 6. SITE MANAGEMENT

### 6.1 Body(ies) responsible for the site management:

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### 6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/> Yes	Name: Piano di gestione Rupe di Marianopoli e Lago Sfondato decreto n. 862 del 15/11/2010 Link: _____
<input 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).

42030, 42040 1:10000 UTM32N WGS84