

Ramsar Information Sheet

Published on 8 November 2022 Update version, previously published on : 13 December 2006

ItalyOasis of the Sele - Serre Persano



Designation date 7 August 2003 Site number 1665

Coordinates 40°36'18"N 15°08'07"E

Area 174,00 ha

Color codes

Fields back-shaded in light blue relate to data and information required only for RIS updates.

Note that some fields concerning aspects of Part 3, the Ecological Character Description of the RIS (tinted in purple), are not expected to be completed as part of a standard RIS, but are included for completeness so as to provide the requested consistency between the RIS and the format of a 'full' Ecological Character Description, as adopted in Resolution X.15 (2008). If a Contracting Party does have information available that is relevant to these fields (for example from a national format Ecological Character Description) it may, if it wishes to, include information in these additional fields.

1 - Summary

Summary

This man made wetland (reservoir) along the Sele River was created by a dam built for irrigating the fields below. It is an important refuge for migrating and wintering bird population, particularly waterfowl. Reed marshes and riparian woodlands increase the diversity of the biological community. The largest otter population in the region lives along the River Sele.

2 - Data & location

2.1 - Formal data

	2	1.	.1	- Name	and	address	of the	compiler	of this	RIS
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Responsible compiler

Institution/agency Istituto di Gestione della Fauna aps

Postal address Via Caravaggio 143, 80126 Napoli, Italy

National Ramsar Administrative Authority

Institution/agency Italian Ministry of Ecological Transition, Directorate General for Natural Heritage

Postal address Via Cristoforo Colombo, 44 – 00147 Roma (Italy)

2.1.2 - Period of collection of data and information used to compile the RIS

From year 2000

To year 2020

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Oasis of the Sele - Serre Persano

Unofficial name (optional)

Oasi del Sele - Serre Persano

2.1.4 - Changes to the boundaries and area of the Site since its designation or earlier update

(Update) A. Changes to Site boundary Yes O No

(Update) B. Changes to Site area

No change to area

(Update) For secretariat only. This update is an extension □

2.1.5 - Changes to the ecological character of the Site

(Update) 6b i. Has the ecological character of the Ramsar Site (including applicable Criteria) changed since the previous RIS?

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

2 (0) aproduce

Former maps 0

Boundaries description

The eastern boundary corresponds to the area normally flooded by the dam; while the western boundary is corresponding to the presence of the first easily identifiable physical element (road) immediately downstream of the dam. the Site partly aligns with the Natura 2000 site "Medio corso del Fiume Sele" IT8050021

2.2.2 - General location

a) In which large administrative region does the site lie?

Regione Campania

b) What is the nearest town or population centre?

Serre

2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other countries?

b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party?

2.2.4 - Area of the Site

Official area, in hectares (ha): 174

Area, in hectares (ha) as calculated from 174.581 GIS boundaries

2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
Other scheme (provide name below)	Mediterranean

Other biogeographic regionalisation scheme

European Councils Habitat Directive 92/43/EEC

3 - Why is the Site important?

3.1 - Ramsar Criteria and their justification

Criterion 1: Representative, rare or unique natural or near-natural wetland types

Hydrological services provided

The reserve provides water for irrigating the agriculture fields around the River Sele. The basin reduces the risk of flooding.

Other ecosystem services provided

A large number of people visit the reserve for eco-sustainable recreational activities (bird watching, outdoor, photography, etc.)

The area expands over a former meander of the Sele River; the dominant vegetation comprises Other reasons magnopotamion and hydrocarition habitat types, typical of the Mediterranean Region. Typical habitats correspond to the codes 92A0, 3250, 6220 and 3270, cited in the EU Habitats Directive

☑ Criterion 2 : Rare species and threatened ecological communities

Optional text box to provide further The area supports populations of species mentioned in Annex II and III of Directive 79/409/CEE and information habitats mentioned in Annex I of Directive 92/43/CEE

Criterion 3 : Biological diversity

The area supports populations of plant and animal species important for maintaining the biological Justification diversity of the Mediterranean Region the area supports populations of plant and animal species important for maintaining the biological diversity of the Mediterranean Region

☑ Criterion 4 : Support during critical life cycle stage or in adverse conditions

Optional text box to provide further The area provides winter refuge for a number of animal species during the wintering period, in particular information wildfowl.

3.2 - Plant species whose presence relates to the international importance of the site

Phylum	Scientific name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
Plantae								
TRACHEOPHYTA/ MAGNOLIOPSIDA	Alnus glutinosa		V	V	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Ceratophyllum demersum		Ø	Ø	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Glaucium flavum		V	V				biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Helichrysum italicum		2	v				biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Helichrysum stoechas		V	✓				biological diversity of the Mediterranean Region, seasonal water level fluctuationsl
TRACHEOPHYTA/ MAGNOLIOPSIDA	Myriophyllum spicatum		2	v	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Oxybasis rubra		2	2				biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Persicaria lapathifolia lapathifolia		2	2				biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ LILIOPSIDA	Phragmites australis		2	2	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Populus alba		V	✓	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Populus nigra		V	✓	DD			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ LILIOPSIDA	Potamogeton nodosus		V	✓	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Salix alba		V	2	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ MAGNOLIOPSIDA	Salix purpurea		V	2	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ LILIOPSIDA	Schoenoplectus lacustris		V	2	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations
TRACHEOPHYTA/ LILIOPSIDA	Typha angustifolia		V	✓	LC			biological diversity of the Mediterranean Region, seasonal water level fluctuations

3.3 - Animal species whose presence relates to the international importance of the site

Phylum	Scientific name	Species qualifies under criterion	Species contributes under criterion 3 5 7 8	Size	Period of pop. Est.	% occurrence	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
Others											

Phylum	Scientific name	Species qualifies under criterion	Species contributes under criterion	Pop. Size	% occurrence 1) IUCN Red List		CMS Appendix I	Other Status	Justification
CHORDATA/ AMPHIBIA	Bombina pachypus				EN			92/43 CEE	biodiversity of the river riparian forest habitat
ARTHROPODA/ INSECTA	Cerambyx cerdo				VU			92/43 CEE	biodiversity of the river riparian forest habitat
ARTHROPODA/ INSECTA	Coenagrion mercuriale				NT			92/43 CEE	biodiversity of the river riparian forest habitat
ARTHROPODA/ INSECTA	Cordulegaster trinacriae				NT			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA/ REPTILIA	Elaphe quatuorlineata				NT			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA/ REPTILIA	Emys orbicularis				NT			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA / MAMMALIA	Lutra lutra				NT	V		92/43 CEE	biodiversity of the river riparian forest habitat
ARTHROPODA/ INSECTA	Melanargia arge				LC			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA / AMPHIBIA	Salamandrina terdigitata				LC			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA / AMPHIBIA	Triturus carnifex				LC			92/43 CEE	biodiversity of the river riparian forest habitat
Fish, Mollusc and Cru	stacea								
CHORDATA/ ACTINOPTERYGII	Alburnus albidus				VU			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA/ ACTINOPTERYGII	Barbus plebejus				LC			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA / CEPHALASPIDOMORPH	Lampetra I fluviatilis				LC			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA / CEPHALASPIDOMORPH	Lampetra planeri				LC			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA / ACTINOPTERYGII	Salmo macrostigma				DD			92/43 CEE	biodiversity of the river riparian forest habitat
CHORDATA / ACTINOPTERYGII	Sarmarutilus rubilio							92/43 CEE	biodiversity of the river riparian forest habitat
Birds									
CHORDATA/ AVES	Acrocephalus melanopogon				LC			Annex I Bird Directive	
CHORDATA/ AVES	Alcedo atthis				LC			Annex I Bird Directive	
CHORDATA/ AVES	Anas acuta				LC				migration
CHORDATA/ AVES	Anas clypeata								migration
CHORDATA/ AVES	Anas crecca				LC				migration
CHORDATA / AVES	Anas penelope								migration
CHORDATA/ AVES	Anas strepera								migration
CHORDATA/ AVES	Ardea alba				LC			Annex I Bird Directive	migration
CHORDATA/ AVES	Ardea purpurea				LC			Annex I Birds Directive	migration

Phylum	Scientific name	Species qualifies under criterion	contri un crite	erion	Pop. Size Period of pop. Est. occurrence	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
CHORDATA / AVES	Ardeola ralloides					LC			Annex I Birds Directive	
CHORDATA/ AVES	Aythya ferina					VU				migration
CHORDATA/ AVES	Aythya fuligula					LC				migration
CHORDATA/ AVES	Aythya nyroca					NT		V	Annex I Bird Directive	migration
CHORDATA/ AVES	Botaurus stellaris					LC			Annex I Bird Directive	reproduction
CHORDATA/ AVES	Burhinus oedicnemus					LC			Annex I Bird Directive	
CHORDATA/ AVES	Buteo buteo					LC			cites appendix	
CHORDATA/ AVES	Calidris canutus					NT				wintering
CHORDATA/ AVES	Chlidonias hybrida					LC			Annex I Bird Directive	
CHORDATA/ AVES	Chroicocephalus ridibundus									wintering
CHORDATA/ AVES	Ciconia ciconia					LC			Annex I Bird Directive	
CHORDATA/ AVES	Ciconia nigra					LC			Annex I Bird Directive	
CHORDATA/ AVES	Circus aeruginosus					LC			Annex I Bird Directive	wintering
CHORDATA/ AVES	Circus cyaneus					LC			Annex I Bird Directive	migration
CHORDATA/ AVES	Circus pygargus					LC			Annex I Bird Directive	
CHORDATA/ AVES	Coracias garrulus					LC		V	Annex I Bird Directive	
CHORDATA/ AVES	Egretta garzetta					LC			Annex I Bird Directive	migration
CHORDATA/ AVES	Falco peregrinus					LC	\checkmark		Annex I Bird Directive	
CHORDATA/ AVES	Falco tinnunculus					LC				biological diversity
CHORDATA/ AVES	Ficedula albicollis					LC			Annex I Bird Directive	
CHORDATA/ AVES	Fulica atra					LC				wintering
CHORDATA/ AVES	Gallinago gallinago					LC				migration
CHORDATA/ AVES	Gallinula chloropus					LC				reproduction
CHORDATA/ AVES	Gelochelidon nilotica					LC			Annex I Bird Directive	
CHORDATA/ AVES	Grus grus					LC			Annex I Bird Directive	migration
CHORDATA/ AVES	Himantopus himantopus					LC			Annex I Bird Directive	
CHORDATA/ AVES	lxobrychus minutus	2 000				LC			Annex I Bird Directive	

Phylum	Scientific name	qu u cri	ecies alifies nder terion	1	Spe contri und crite	butes der rion	Size	Period of pop. Est.	occurrence	IUCN Red List	CMS Appendix I		Other Status	Justification
CHORDATA/ AVES	Lanius collurio	/)			LC		Annex I Bird Directive		
CHORDATA/ AVES	Limosa limosa)			NT				migration
CHORDATA/ AVES	Melanocorypha calandra)			LC		Annex I Bird Directive		
CHORDATA/ AVES	Milvus migrans	1)			LC		Annex I Bird Directive		
CHORDATA/ AVES	Netta rufina	1]			LC		Annex I Bird Directive		migration
CHORDATA/ AVES	Numenius arquata)			NT				migration
CHORDATA/ AVES	Numenius phaeopus)			LC				migration
CHORDATA/ AVES	Nycticorax nycticorax	1]			LC		Annex I Bird Directive		
CHORDATA/ AVES	Pandion haliaetus	1)			LC		Annex I Bird Directive		
CHORDATA/ AVES	Phalacrocorax carbo sinensis)							wintering
CHORDATA/ AVES	Philomachus pugnax)							wintering
CHORDATA/ AVES	Platalea leucorodia	1)			LC		Annex I Bird Directive		
CHORDATA/ AVES	Plegadis falcinellus	1]			LC		Annex I Bird Directive		
CHORDATA/ AVES	Rallus aquaticus)			LC				reproduction
CHORDATA/ AVES	Tringa erythropus)			LC				migration
CHORDATA/ AVES	Tringa glareola)			LC				migration
CHORDATA/ AVES	Tringa nebularia)			LC				migration
CHORDATA/ AVES	Turdus philomelos)			LC				wintering
CHORDATA/ AVES	Vanellus vanellus]			NT				wintering

¹⁾ Percentage of the total biogeographic population at the site

3.4 - Ecological communities whose presence relates to the international importance of the site

RIS for Site no. 1665, Oasis of the Sele - Serre Persano, Italy

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
92A0 Salix alba and Populus alba galleries	2	This community shows high species richness and improves ecosystem services	Correspond with Habitat Type (Sensu Habitat Directive 92/43/CEE): 92A0
3250 Constantly flowing Mediterranean rivers with Glaucium flavum	Ø	This community shows high species richness and improves ecosystem services	Correspond with Habitat Type (Sensu Habitat Directive 92/43/CEE): 3250
3270 Rivers with muddy banks with Chenopodion rubri p.p. and Bidention p.p. vegetation	Ø	This community shows high species richness and improves ecosystem services	Correspond with Habitat Type (Sensu Habitat Directive 92/43/CEE): 3270

4 - What is the Site like? (Ecological character description)

4.1 - Ecological character

The area is a mosaic of different wetland habitats: the permanent river channel, the reservoir, a whole range of inland water bodies, both lentic and lotic (70%), agroforestry cultures including orchards, groves, vineyards (10%), other arable land (5%), mixed woodland (10%), remaining land surface (5%).

The principal ecological factors of such a landscape are: the constant flowing river and the dam. The permanent flow allows the life for a large number of species and is the source of the different habitats created by the dam.

The regulation of the water level in the reservoir is the key action in determining the ecological functionality and quality of the wetland habitats and related animal populations.

4.2 - What wetland type(s) are in the site?

Inland wetlands

miaria modaliao				
Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Flowing water >> M: Permanent rivers/ streams/ creeks	Sele	2	24	Representative
Fresh water > Lakes and pools >> O: Permanent freshwater lakes				
Fresh water > Lakes and pools >> P: Seasonal/ intermittent freshwater lakes				
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools		2	20	Representative
Fresh water > Marshes on inorganic soils >> W: Shrub- dominated wetlands		1	40	Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		1	45	Representative
Fresh water > Marshes on peat soils >> Xp: Permanent Forested peatlands				
Fresh water > Flowing water >> Y: Permanent Freshwater springs; oases		4	5	Representative

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type
6: Water storage areas/Reservoirs		2	22

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Agriculture fields	18

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Phylum	Scientific name	Position in range / endemism / other
TRACHEOPHYTA/LILIOPSIDA	Anacamptis laxiflora	
TRACHEOPHYTA/LILIOPSIDA	Anacamptis pyramidalis	
TRACHEOPHYTA/LILIOPSIDA	Neotinea lactea	
TRACHEOPHYTA/LILIOPSIDA	Ophrys apifera	
TRACHEOPHYTA/LILIOPSIDA	Ophrys sphegodes	
TRACHEOPHYTA/LILIOPSIDA	Ophrys tenthredinifera	
TRACHEOPHYTA/LILIOPSIDA	Orchis italica	
TRACHEOPHYTA/LILIOPSIDA	Orchis purpurea	
TRACHEOPHYTA/LILIOPSIDA	Platanthera clavellata	

4.3.2 - Animal species

Invasive alien animal species

Phylum	Scientific name	Impacts	Changes at RIS update
CHORDATA/ACTINOPTERYGII	Cyprinus carpio	Actual (minor impacts)	No change
CHORDATA/MAMMALIA	Myocastor coypus	Actual (minor impacts)	No change

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
C: Moist Mid-Latitude	Csa: Mediterranean (Mild
climate with mild winters	with dry, hot summer)

Extreme climate conditions, such as large floods and aridity,	might modify the ecological functionality
4.4.2 - Geomorphic setting	
<u> </u>	
a) Minimum elevation above sea level (in metres)	
a) Maximum elevation above sea level (in metres)	
Entire river basin \square	
Upper part of river basin \Box	
Middle part of river basin \Box	
Lower part of river basin 🗹	
More than one river basin \Box	
Not in river basin	
Coastal 🗆	
Please name the river basin or basins. If the site lies in a sub-basin, please	also name the larger river basin. For a coastal/marine site, please name the sea or ocean.
Sele	

4.4.3 - Soil

Organic 🗹

(Update) Changes at RIS update No change Increase O Decrease O Unknown O

No available information \Box

Are soil types subject to change as a result of changing hydrological conditions (e.g., increased salinity or acidification)?

Please provide further information on the soil (optional)

Stemming from the extensive Sele plain, the river flows towards the sea, across recent geological formations, represented by Quaternary alluvial deposits, where extensive remediation works have been carried out, such as at Aversana Lake in 1714.

4.4.4 - Water regime

Water permanence

The state of the s	
Presence?	Changes at RIS update
Usually permanent water present	No change

Source of water that maintains character of the site

Presence?	Predominant water source	Changes at RIS update
Water inputs from surface water	/	No change

Water destination

Presence?	Changes at RIS update
To downstream catchment	No change

Stability of water regime

Olability of Water regilire	
Presence?	Changes at RIS update
Water levels fluctuating (including tidal)	No change

Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology:

Water levels fluctuating for the dam regulation

the Sele - Sel	rre Persano, Italy	
and of	regulates the flow	
awater		
ents occurs on or t	hrough the site 🗹	
(Update) Changes	s at RIS update No change Incr	ease O Decrease O Unknown O
Sediment re	gime unknown \square	
	Unknown 🗹	
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	Unknown 🗀	
nutrients in wa	ter	
(Update) Changes	•	ease O Decrease O Unknown O
onango.	<u>_</u>	300 2 200 000 2 0 1 1 1 1 1 1 1 1 1 1 1 1
	Olikilowii —	
ing area which	may affect the Site	
ow, the landscape	and ecological	
ng the Ramsar Site	, ,)ii) significantly different ◎
ater urhanisation o	_	
_		
	· _	
	_	
merentiand cover	or natitat types 🖴	
S		
ofito		
ents		
Examples	Importance/Extent/Significance	
er for irrigated griculture	High	
	ents occurs on or t (Update) Changes Sediment re (Update) Changes nutrients in wa (Update) Changes ing area which ow, the landscape ng the Ramsar Site ater urbanisation of higher human pop as more intensive a different land cover of serior irrigated	ents occurs on or through the site (Update) Changes at RIS update No change Incre Sediment regime unknown Unknown (Update) Changes at RIS update No change Incre Unknown nutrients in water Mesotrophic (Update) Changes at RIS update No change Incre Unknown nutrients in water Mesotrophic (Update) Changes at RIS update No change Incre Unknown ing area which may affect the Site ow, the landscape and ecological and the Ramsar Site differ from the i) broadly similar of site itself: ater urbanisation or development thigher human population density is more intensive agricultural use ifferent land cover or habitat types Importance/Extent/Significance In thick

Regulating Services

rtoguidarig cornocc		
Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Storage and delivery of water as part of water supply systems for agriculture and industry	High
Pollution control and detoxification	Water purification/waste treatment or dilution	Medium
Hazard reduction	Flood control, flood storage	Medium

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Nature observation and nature-based tourism	not relevant for site
Scientific and educational	Educational activities and opportunities	not relevant for site

Supporting Services

Ecosystem service	Examples	Importance/Extent/Significance
Biodiversity	Supports a variety of all life forms including plants, animals and microorganizms, the genes they contain, and the ecosystems of which they form a part	High
Nutrient cycling	Carbon storage/sequestration	Low

Within the site:	1000 vis. 1000 resid
Outside the site:	1000 residents

Have studies or assessments been made of the economic valuation of ecosystem services provided by this Ramsar Site?	Yes O No O Unknown C
.5.2 - Social and cultural values	

i) the site provides a model of wetland wise use, demonstrating the application of traditional knowledge and methods of management and $\,\Box\,$ use that maintain the ecological character of the wetland ii) the site has exceptional cultural traditions or records of former civilizations that have influenced the ecological character of the wetland iii) the ecological character of the wetland depends on its interaction $\hfill\Box$ with local communities or indigenous peoples iv) relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological $\ \square$ character of the wetland

<no data available>

4.6 - Ecological processes

<no data available>

5 - How is the Site managed? (Conservation and management)

5.1 - Land tenure and responsibilities (Managers)

5.1.1 - Land tenure/ownership

Category	Within the Ramsar Site	In the surrounding area
Public land (unspecified)	✓	
rivate ownership		
rivate ownership Category	Within the Ramsar Site	In the surrounding area
'	Within the Ramsar Site	In the surrounding are

5.1.2 - Management authority

Please list the local office / offices of any agency or organization responsible for managing the site:	Ente Riserve Regionali Foce Sele – Tanagro
Provide the name and/or title of the person or people with responsibility for the wetland:	President at the moment: Antonio Briscione
Postal address:	Via Carlo Alberto 16, 84025 Contursi Terme (SA) Italy
E-mail address:	info@riservasele.it

5.2 - Ecological character threats and responses (Management)

5.2.1 - Factors (actual or likely) adversely affecting the Site's ecological character

ater regulation						
Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Water releases	Medium impact	Medium impact	✓	No change		No change
griculture and aquaculture						
Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Livestock farming and ranching	High impact	Medium impact		No change	2	No change
Annual and perennial non-timber crops	High impact	High impact		No change	✓	No change
nergy production and mini	ng					
Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Renewable energy	Low impact	Low impact		No change	✓	No change
ransportation and service	corridors					
ransportation and service Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Factors adversely		Potential threat Low impact	Within the site	Changes No change	In the surrounding area	Changes No change
Factors adversely affecting site Roads and railroads iological resource use	Actual threat		Within the site			
Factors adversely affecting site Roads and railroads	Actual threat		Within the site Within the site			
Factors adversely affecting site Roads and railroads iological resource use Factors adversely affecting site	Actual threat Low impact	Low impact		No change	2	No change
Factors adversely affecting site Roads and railroads iological resource use Factors adversely affecting site Hunting and collecting	Actual threat Low impact Actual threat	Low impact Potential threat		No change Changes	In the surrounding area	No change Changes
Factors adversely affecting site Roads and railroads ological resource use Factors adversely affecting site Hunting and collecting terrestrial animals Fishing and harvesting	Actual threat Actual threat High impact High impact	Low impact Potential threat High impact		No change Changes No change	In the surrounding area	No change Changes No change
Factors adversely affecting site Roads and railroads ological resource use Factors adversely affecting site Hunting and collecting terrestrial animals Fishing and harvesting aquatic resources	Actual threat Actual threat High impact High impact	Low impact Potential threat High impact		No change Changes No change	In the surrounding area	No change Changes No change

Within the site

1

Changes

No change

In the surrounding area

 \checkmark

Changes

No change

Potential threat

High impact

Pollution

Factors adversely

affecting site
Invasive non-native/

alien species

Invasive and other problematic species and genes

Actual threat

High impact

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Household sewage, urban waste water	Medium impact	Medium impact		No change	/	No change
Agricultural and forestry effluents	Medium impact	Medium impact		No change	/	No change

5.2.2 - Legal conservation status

Regional (international) legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
EU Natura 2000	ZPS IT8050021 Medio corso del Fiume Sele - Persano ZSC IT8050049 Fiumi Tanagro e Sele	https://natura2000.eea.europa.eu /Natura2000/SDF.aspx?site=IT8050 049	partly

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Regional Nature Reserve		https://oasiwwfpersano.com/	whole

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	IBA 132 "Media valle del Sele"	http://datazone.birdlife.org/sit e/factsheet/river-sele-middle-va lley-iba- italy	partly

5.2.3 - IUCN protected areas categories (2008)

/e 	la Strict Nature Reserve
	Ib Wilderness Area: protected area managed mainly for wilderness protection
_	Il National Park: protected area managed mainly for ecosysten protection and recreation
	III Natural Monument: protected area managed mainly for conservation of specific natural features
	IV Habitat/Species Management Area: protected area managed mainl for conservation through management intervention
	V Protected Landscape/Seascape: protected area managed mainly fo landscape/seascape conservation and recreation
	VI Managed Resource Protected Area: protected area managed mainl for the sustainable use of natural ecosystems

5.2.4 - Key conservation measures

Legal protection

Legal protection		
Measures	Status	
Legal protection	Implemented	

Habitat

Measures	Status
Improvement of water quality	Implemented
Habitat manipulation/enhancement	Proposed
Faunal corridors/passage	Proposed

Species

Opooloo	
Measures	Status
Threatened/rare species management programmes	Implemented
Control of invasive alien animals	Proposed

Human Activities

Measures	Status
Management of water abstraction/takes	Implemented
Fisheries management/regulation	Implemented
Harvest controls/poaching enforcement	Implemented
Regulation/management of wastes	Implemented
Communication, education, and participation and awareness activities	Implemented

5.2.5 - Management planning

Is there a site-specific management plan for the site? In preparation

Has a management effectiveness assessment been undertaken for the Yes

No O site?

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning Yes $\ensuremath{\mathsf{O}}$ No $\ensuremath{\mathsf{O}}$ processes with another Contracting Party?

Please indicate if a Ramsar centre, other educational or visitor facility, or an educational or visitor programme is associated with the site:

A visitor center is managed by WWF

URL of site-related webpage (if relevant): https://www.wwf.it/oasi/campania/persano/

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No, the site has already been restored

5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Birds	Implemented
Water regime monitoring	Implemented
Plant community	Implemented
Plant species	Implemented
Animal community	Implemented

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

zoologica fluminensia 66.

Kalby M. & Milone M., 1988, Primi dati sui censimenti invernali e primaverili degli Anseriformes in Basilicata e Campania, 1985-1987. Atti I Conv. Naz. Biol. Selvaggina, Suppl. Ric. Biol. Selvaggina, 75: 625-626.

Kalby M. & Milone M., 1992, Le zone umide della Basilicata, della Campania, del Molise e della Puglia. Alula 1(1-2): 106-110. Fraissinet 2017. Il momnitoraggio degli uccelli acquatici svernanti in Campania (2006-2017). Monografia n. 16 ASOIM D'Antonio C., de Filippo G. 1991. Gli odonati del bacino idrografico del fiume Sele, Campania, Italia meridionale (Odonata). Opuscola

6.1.2 - Additional reports and documents

i. taxonomic lists of plant and animal species occurring in the site (see section 4.3)

<no file availables

ii. a detailed Ecological Character Description (ECD) (in a national format)

<no file available>

iii. a description of the site in a national or regional wetland inventory

<no file available>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<no file available>

vi. other published literature

<no file available>

<no data available>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



Aerial view (Gabriele de Filippo, 04-06-2020)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 2003-08-07