

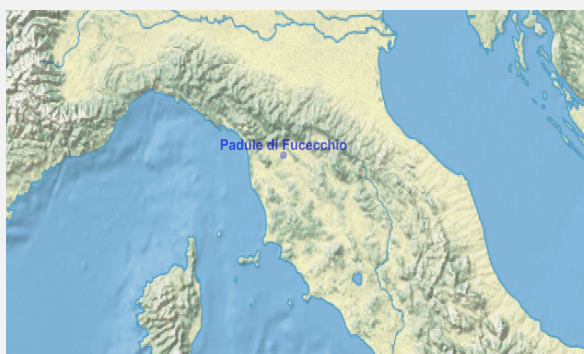


Ramsar Information Sheet

Published on 13 January 2026

Italy

Padule di Fucecchio



Designation date	21 October 2013
Site number	2586
Coordinates	43°48'31"N 10°48'07"E
Area	2 500,00 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

The Padule di Fucecchio constitutes the largest Italian inland marsh, with an extension of over 2500 ha, of a relictual character (ex lake-marsh of the Valdinievole), constituted in part by permanent bodies of water and in part by areas of seasonal flooding, with a mosaic of differentiated habitats with marsh reed bed, nuclei of hygrophilous arboreal-shrubby vegetation, wet meadows, areas of open water and canals, seasonally flooded agricultural lands.

The wetland area holds a great naturalistic value both from the floristic-vegetational point of view, and the faunistic, with species and habitats of conservation interest.

The aquatic avifauna in particular records over 13000 total presences of wintering aquatic birds. The Padule di Fucecchio is the most important site for the wintering of *Anas crecca* with over 4600 wintering individuals, as well as a chosen site for the nesting of ardeids (*Ardea purpurea*, *Ardea cinerea*, *Ardea alba*, *Egretta garzetta*, *Nycticorax nycticorax*, *Ardeola ralloides* and *Bubulcus ibis*), with important heronries (30-40% of the herons nesting in all of Tuscany) and, together with the Lake of Sibolla, constitutes the most important macro-area at a national level for the nesting of *Plegadis falcinellus*, in addition to recording a notable number of nests of *Platalea leucorodia*.

The wetland area hosts, furthermore, an important contingent of the "symbol species" *Phoenicopiterus roseus*.

The site therefore represents a very important point of reference for the aquatic avifauna as a stopover area during migrations, as a site for feeding, roosting, nesting, moulting and wintering.

The network of wetlands constituted by Padule di Fucecchio, Lake of Sibolla and Ex Lake and Marsh of Bientina hosts over 27500 total presences of wintering aquatic birds.

Important reports also regarding the lepidoptera with two species of conservation interest, such as *Lycaena dispar* and *Zerynthia cassandra*.

The Padule di Fucecchio is a Special Area of Conservation as per the Habitats Directive 92/43/EEC and a Special Protection Area as per the Birds Directive (2009/147/EEC), it is also a Regional Reserve L.R.T. 30/2015 and IBA Important Bird Area Birdlife International.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Responsible compiler

Institution/agency	Region of Tuscany – Department for Nature and Sea Conservation
Postal address	Via di Novoli 26 50127 Firenze (Italia)

National Ramsar Administrative Authority

Institution/agency	Ministry of the Environment and Energy Security
Postal address	Via Cristoforo Colombo, 44 00147 Roma (Italia)

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

From year	2000
To year	2024

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Padule di Fucecchio
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2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<1 file(s) uploaded>

Former maps	0
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Boundaries description

The reference territory of the Padule di Fucecchio is the area of Valdinievole, between Montalbano and the Cerbaie Hills, south of the Pistoiese Apennines, in the Provinces of Florence and Pistoia. The boundaries of the Ramsar area cover the extents of the two SAC-SPA sites IT5130007 Padule di Fucecchio and IT5140010 Bosco di Chiusi and Paduletta di Ramone, for a total of approximately 2500 hectares.

Boundaries used in map for 2.2.1 b): WGS 1984 UTM Zone 32N

2.2.2 - General location

a) In which large administrative region does the site lie?	Italy, Tuscany Region, Province of Florence and Pistoia,
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b) What is the nearest town or population centre?	Municipalities of Cerreto Guidi (FI), Fucecchio (FI), Larciano (PT), Monsummano Terme (PT), Pieve a Nievole (PT), Ponte Buggianese (PT)
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2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other countries? Yes ☐ No ☒

b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party? Yes ☐ No ☒

2.2.4 - Area of the Site

Official area, in hectares (ha): 2500

Area, in hectares (ha) as calculated from GIS boundaries 2500.933

2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
EU biogeographic regionalization	Mediterranean

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 wetland is the largest inland marsh in Italy, covering an area of over 2500 hectares. It is a national biodiversity hotspot, connected with nearby wetlands such as Lake Sibolla and the former Lake and Marsh of Bientina. The entire expanse of the marsh also serves as a natural expansion basin, and the network of drainage channels plays an important role in the hydrological balance of the area. The main inflows to the Fucecchio Marsh are the Pescia, Nievole, Cessana, and Borra streams, and the outflow is the Usciana Canal into the Arno River.
Other ecosystem services provided	This area holds particular importance for the maintenance of ecological and genetic diversity in the Mediterranean region, safeguarding habitats and plant and animal species.
Other reasons	The wetland is a well-established site for monitoring wintering waterfowl for over two decades (International Waterbird Census, coordinated in Italy by ISPRA), for monitoring and scientific research, environmental education, and eco-sustainable usage.

☒ Criterion 2 : Rare species and threatened ecological communities

Optional text box to provide further information	The wetland holds great naturalistic value both from a floristic-vegetational perspective, serving as a refuge for relict hydrophytes and helophytes and as a habitat of conservation interest, and from a faunal perspective, serving as a reference site for waterfowl with species of conservation interest.
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☒ Criterion 3 : Biological diversity

Justification	The Fucecchio Marsh hosts over 13,000 wintering waterfowl in total and is the most important site for the wintering of the Eurasian teal (<i>Anas crecca</i>) with over 4,600 individuals. The wetland is also a preferred site for the nesting of herons (<i>Ardea purpurea</i> , <i>Ardea cinerea</i> , <i>Ardea alba</i> , <i>Egretta garzetta</i> , <i>Nycticorax nycticorax</i> , <i>Ardeola ralloides</i> , and <i>Bubulcus ibis</i>) and species of interest such as the Eurasian spoonbill (<i>Platalea leucorodia</i>) and the glossy ibis (<i>Plegadis falcinellus</i>). Given the presence and vast extent of differentiated habitats, it is an important biodiversity hotspot.
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☒ Criterion 4 : Support during critical life cycle stage or in adverse conditions

Optional text box to provide further information	The site is an important reference point for waterfowl, serving as a resting and feeding area during the critical phases of migration, nesting, molting, and wintering.
Optional text box to provide further information	<i>Plegadis falcinellus</i> ; breeding.

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/ LILIOPSIDA	<i>Baldellia ranunculoides</i>	☒	☒	☐	NT	☐	EN IUCN Red List of Italian Flora **	
TRACHEOPHYTA/ LILIOPSIDA	<i>Butomus umbellatus</i>	☒	☒	☐	LC	☐	VU IUCN Red List of Italian Flora **	
TRACHEOPHYTA/ LILIOPSIDA	<i>Gladiolus palustris</i>	☐	☒	☐	DD	☐	Ann. II Habitat Directive, .	Rare species in Tuscany
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Hottonia palustris</i>	☒	☒	☐	LC	☐	EN IUCN Red List of Italian Flora *	Hydrophyte declining in the Tuscan wetlands
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Hydrocotyle vulgaris</i>	☒	☒	☐	LC	☐	EN IUCN Red List of Italian Flora **	
TRACHEOPHYTA/ LILIOPSIDA	<i>Leucojum aestivum</i>	☒	☒	☐	LC	☐	VU IUCN Red List of Italian Flora **	
TRACHEOPHYTA/ POLYPODIOPSIDA	<i>Osmunda regalis</i>	☐	☒	☐	LC	☐	.	Tertiary thermohygrophilous relict, few populations in the western Mediterranean biogeographical region
TRACHEOPHYTA/ LILIOPSIDA	<i>Sagittaria sagittifolia</i>	☒	☒	☐	LC	☐	EN IUCN Red List of Italian Flora *	
TRACHEOPHYTA/ POLYPODIOPSIDA	<i>Salvinia natans</i>	☒	☒	☐	LC	☐	VU IUCN Red List of Italian Flora * App. I Bern Convention	

*Rossi G., Montagnani C., Gargano D., Peruzzi L., Abeli T., Ravera S., Cogoni A., Fenu G., Magrini S., Gennai M., Foggi B., Wagensommer R.P., Venturella G., Blasi C., Raimondo F.M., Orsenigo S. (Eds.), 2013 - "Lista Rossa della Flora Italiana. 1. Policy Species e altre specie minacciate". Comitato Italiano IUCN e Ministero dell'Ambiente e della Tutela del Territorio e del Mare

**Rossi G., Orsenigo S., Gargano D., Montagnani C., Peruzzi L., Fenu G., Abeli T., Alessandrini A., Astuti G., Bacchetta G., Bartolucci F., Bernardo L., Bovio M., Brullo S., Carta A., Castello M., Cogoni D., Conti F., Domina G., Foggi B., Gennai M., Gigante D., Iberite M., Lasen C., Magrini S., Nicoletta G., Pinna M.S., Poggio L., Prosser F., Santangelo A., Selvaggi A., Stinca A., Tartaglino N., Troia A., Villani M.C., Wagensommer R.P., Wilhalm T., Blasi C., 2020 - "Lista Rossa della Flora Italiana. 2 Endemiti e altre specie minacciate". Ministero dell'Ambiente e della Tutela del Territorio e del Mare

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				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
Others																	
CHORDATA / AMPHIBIA	<i>Bufo bufo</i>	☒	☐	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List	
CHORDATA / AMPHIBIA	<i>Bufo viridis</i>	☐	☐	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention, Annex IV Habitat Directive	
CHORDATA / MAMMALIA	<i>Canis lupus</i>	☐	☐	☐	☐	☒	☐	☐	☐				LC	☒	☐	App. II Bern Convention, Ann. II and IV Habitat Directive	
CHORDATA / REPTILIA	<i>Emys orbicularis</i>	☒	☐	☐	☐	☒	☐	☐	☐				NT	☐	☐	EN Italian Red List Ann. II and IV Habitat Directive	
CHORDATA / MAMMALIA	<i>Erinaceus europaeus</i>	☐	☐	☐	☐	☒	☐	☐	☐				NT	☐	☐	App. II Bern Convention	
CHORDATA / REPTILIA	<i>Hierophis viridiflavus</i>	☐	☐	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. IV Habitat Directive	
CHORDATA / AMPHIBIA	<i>Hyla arborea</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	pp. II Bern Convention, Ann. II and IV Habitat Directive	Critical life cycle stage: reproduction

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
CHORDATA / MAMMALIA	<i>Hystrix cristata</i>	☐	☐	☐	☒	☐	☐	☐	☐				LC	☐	☐	App. II Bern Convention, Ann. IV Habitat Directive	
CHORDATA / CEPHALASPIDOMORPHI	<i>Lampetra fluviatilis</i>	☒	☐	☐	☐	☒	☐	☐	☐				NT	☐	☐	CR Italian Red List App. II Bern Convention Ann. II Habitat Directive	
ARTHROPODA / INSECTA	<i>Lucanus cervus</i>	☐	☐	☐	☐	☒	☐	☐	☐					☐	☐	App. III Bern Convention, Ann. II Habitat Directive	
ARTHROPODA / INSECTA	<i>Lycaena dispar</i>	☐	☐	☐	☐	☒	☐	☐	☐				NT	☐	☐	Ann. II and IV Habitat Directive	
CHORDATA / MAMMALIA	<i>Mustela putorius</i>	☐	☐	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. III Bern Convention	
CHORDATA / MAMMALIA	<i>Nyctalus noctula</i>	☒	☐	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List	
CHORDATA / MAMMALIA	<i>Pipistrellus pipistrellus</i>	☐	☐	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. III Bern Convention	
CHORDATA / REPTILIA	<i>Podarcis muralis</i>	☐	☐	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Annex IV Habitat Directive	
CHORDATA / REPTILIA	<i>Podarcis siculus</i>	☐	☐	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention, Annex IV Habitat Directive	
CHORDATA / AMPHIBIA	<i>Rana dalmatina</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention, Annex IV Habitat Directive	Critical life cycle stage: reproduction
CHORDATA / MAMMALIA	<i>Rhinolophus euryale</i>	☒	☐	☐	☐	☒	☐	☐	☐				NT	☐	☐	VU Italian Red List Annex II Habitat Directive	
CHORDATA / MAMMALIA	<i>Rhinolophus ferrumequinum</i>	☒	☐	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List Annex II Habitat Directive	
CHORDATA / AMPHIBIA	<i>Salamandra salamandra</i>	☒	☐	☐	☐	☒	☐	☐	☐				VU	☐	☐	VU IUCN Red List	
CHORDATA / AMPHIBIA	<i>Triturus carnifex</i>	☒	☐	☐	☐	☒	☐	☐	☐				VU	☐	☐	VU Italian Red List Ann. II and IV Habitat Directive	
ARTHROPODA / INSECTA	<i>Zerynthia cassandra</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Annex IV Habitat Directive, endemism	Critical life cycle stage: reproduction
Fish, Mollusc and Crustacea																	
CHORDATA / ACTINOPTERYGII	<i>Alburnus albidus</i>	☒	☐	☐	☐	☒	☐	☐	☐				EN	☐	☐	EN Italian Red List App. III Bern Convention, Annex II Habitat Directive	
CHORDATA / ACTINOPTERYGII	<i>Anguilla anguilla</i>	☒	☐	☐	☐	☒	☐	☐	☐				CR	☐	☐	CR Italian Red List Ann. III Barcelona Convention	
Birds																	
CHORDATA / AVES	<i>Acrocephalus melanopogon</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Acrocephalus paludicola</i>	☒	☒	☐	☐	☒	☐	☐	☐				VU	☐	☒	Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Acrocephalus schoenobaenus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	CR Italian Red List	Critical life cycle phase: migration
CHORDATA / AVES	<i>Alauda arvensis</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Alcedo atthis</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention, Annex II Habitat Directive	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Anas crecca</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Anthus campestris</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Aquila clanga</i>	☒	☒	☐	☐	☒	☐	☐	☐					☐	☒	Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Ardea alba</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds directive, Ann. II Bern convention, Ann. II CMS	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Ardea cinerea</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. III Bern Convention	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Ardea purpurea</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention, Ann. I Birds Directive	Critical life cycle phase: migration, nesting,
CHORDATA / AVES	<i>Ardeola ralloides</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention, Ann. I Birds Directive	Critical life cycle phase: migration, nesting
CHORDATA / AVES	<i>Arenaria interpres</i>	☐	☒	☐	☐	☒	☐	☐	☐				NT	☐	☐	App. II Bern Convention	Accidental stopover site
CHORDATA / AVES	<i>Asio flammeus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Aythya ferina</i>	☒	☒	☐	☐	☒	☐	☐	☐				VU	☐	☐	VU Italian Red List	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Aythya nyroca</i>	☒	☒	☐	☐	☒	☐	☐	☐				NT	☐	☒	VU Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Botaurus stellaris</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List App. II Bern Convention, Ann. I Birds Directive	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Bubo bubo</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Bubulcus ibis</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive App. II Bern Convention	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Calidris alba</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Accidental stopover site
CHORDATA / AVES	<i>Calidris alpina</i>	☐	☒	☐	☐	☒	☐	☐	☐				NT	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Calidris ferruginea</i>	☒	☒	☐	☐	☒	☐	☐	☐				VU	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Calidris minuta</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Calidris pugnax</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Calidris temminckii</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Caprimulgus europaeus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. III Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration, nesting
CHORDATA / AVES	<i>Carduelis carduelis</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Cecropis daurica</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List	Critical life cycle phase: migration
CHORDATA / AVES	<i>Charadrius alexandrinus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List App. II Bern Convention, Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Charadrius dubius</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, nesting
CHORDATA / AVES	<i>Charadrius hiaticula</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Chlidonias hybrida</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Chlidonias leucopterus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List App. II Bern Convention,	Critical life cycle phase: migration

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Chlidonias niger</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List App. II Bern Convention., Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Chroicocephalus genei</i>	☐	☒	☐	☐	☒	☐	☐	☐					☐	☐	App. II Bern Convention., Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Ciconia ciconia</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention., Ann. I Birds Directive	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Ciconia nigra</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive Ann. I Birds Directive..	Critical life cycle phase: migration
CHORDATA / AVES	<i>Circaetus gallicus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Circus aeruginosus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Circus cyaneus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Circus pygargus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Clamator glandarius</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Clangula hyemalis</i>	☒	☒	☐	☐	☒	☐	☐	☐				VU	☐	☐	VU in IUCN red list	Accidental stopover site
CHORDATA / AVES	<i>Coccothraustes coccothraustes</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Columba oenas</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Coracias garrulus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☒	EN Italian Red List App. II Bern Ann. I Birds Directivern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Crex crex</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Cygnus columbianus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Dendrocopos major</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: nesting
CHORDATA / AVES	<i>Egretta garzetta</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds directive, Ann. II Bern convention, Ann. II AEWA	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Emberiza schoeniclus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	CR Italian Red List App. II Bern Convention	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Erithacus rubecula</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Falco cherrug</i>	☒	☒	☐	☐	☒	☐	☐	☐				EN	☐	☒	App. II Bern Convention Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Falco columbarius</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Falco naumanni</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☒	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Falco peregrinus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☒	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Falco subbuteo</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, nesting,
CHORDATA / AVES	<i>Falco tinnunculus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Falco vespertinus</i>	☒	☒	☐	☐	☒	☐	☐	☐				VU	☐	☒	VU Italian Red List App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Ficedula albicollis</i>	☒	☒	☒	☒	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Gallinago media</i>	☒	☒	☐	☐	☒	☐	☐	☐				NT	☐	☐	Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Gavia immer</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Gavia stellata</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Gelochelidon nilotica</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Geronticus eremita</i>	☒	☒	☐	☐	☒	☐	☐	☐				EN	☒	☒		Accidental stopover site
CHORDATA / AVES	<i>Glareola pratincola</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Grus grus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Haematopus ostralegus</i>	☒	☒	☐	☐	☒	☐	☐	☐				NT	☐	☐	VU Italian Red List	Accidental stopover site
CHORDATA / AVES	<i>Hieraaetus pennatus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Himantopus himantopus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration, nesting
CHORDATA / AVES	<i>Hydrocoloeus minutus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Hydroprogne caspia</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Ichthyaelus melanocephalus</i>	☒	☒	☐	☐	☒	☐	☐	☐					☐	☐	App. II Bern Convention Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Ixobrychus minutus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Jynx torquilla</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Lanius collurio</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration, nesting
CHORDATA / AVES	<i>Lanius senator</i>	☒	☒	☐	☐	☒	☐	☐	☐				NT	☐	☐	EN Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Limosa limosa</i>	☒	☒	☐	☐	☒	☐	☐	☐				NT	☐	☐	EN Italian Red List	Critical life cycle phase: migration
CHORDATA / AVES	<i>Linaria cannabina</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Locustella luscinioides</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List	Critical life cycle phase: migration, nesting
CHORDATA / AVES	<i>Lullula arborea</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Luscinia svecica</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Mareca strepera</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Marmaronetta angustirostris</i>	☒	☒	☐	☐	☒	☐	☐	☐				NT	☐	☒	EN Italian Red List App. II Bern Convention Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Melanitta fusca</i>	☒	☒	☐	☐	☒	☐	☐	☐				VU	☐	☐	VU IUCN Red List	Accidental stopover site
CHORDATA / AVES	<i>Merops apiaster</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, nesting,

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Microcarbo pygmaeus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Milvus migrans</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration, nesting,
CHORDATA / AVES	<i>Milvus milvus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List App. II Bern Convention Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Netta rufina</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List	Critical life cycle phase: migration
CHORDATA / AVES	<i>Nycticorax nycticorax</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Oenanthe oenanthe</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Oriolus oriolus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, nesting
CHORDATA / AVES	<i>Pandion haliaetus</i>	☒	☒	☐	☐	☐	☐	☐	☐				LC	☐	☐	CR Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Panurus biarmicus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List App. II Bern Convention	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Passer italiae</i>	☒	☒	☐	☐	☒	☐	☐	☐				VU	☐	☐	VU Italian Red List	Critical life cycle phase: nesting
CHORDATA / AVES	<i>Pastor roseus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Accidental stopover site
CHORDATA / AVES	<i>Pernis apivorus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Phoenicopiterus roseus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention, Ann. II SPA/BD, App. II Bonn Convention, Ann. I Birds Directive.	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Phoenicurus ochrurus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Phoenicurus phoenicurus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Platalea leucorodia</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Plectrophenax nivalis</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Accidental stopover site
CHORDATA / AVES	<i>Plegadis falcinellus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List Ann. I Birds Directive	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Pluvialis apricaria</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Podiceps grisegena</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Accidental stopover site
CHORDATA / AVES	<i>Podiceps nigricollis</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Porzana palmeri</i>	☒	☒	☐	☐	☒	☐	☐	☐					☐	☐	CR Italian Red List App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Porzana parva</i>	☒	☒	☐	☐	☒	☐	☐	☐					☐	☐	CR Italian Red List App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Recurvirostra avosetta</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Remiz pendulinus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Riparia riparia</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Red Italian List	Critical life cycle phase: migration

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Saxicola rubetra</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Saxicola torquatus</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	EN Italian Red List	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Serinus serinus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Spatula clypeata</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List App. II Bern Convention	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Spatula querquedula</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List	Critical life cycle phase: migration
CHORDATA / AVES	<i>Spinus spinus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Sterna hirundo</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Sternula albifrons</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Streptopelia turtur</i>	☒	☒	☐	☐	☒	☐	☐	☐				VU	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, nesting
CHORDATA / AVES	<i>Sylvia hortensis</i>	☒	☒	☐	☐	☒	☐	☐	☐					☐	☐	EN Italian Red List App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Tachymarpis melba</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention,	Accidental stopover site
CHORDATA / AVES	<i>Tadorna ferruginea</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Accidental stopover site
CHORDATA / AVES	<i>Tadorna tadorna</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List App. II Bern Convention	Critical life cycle phase: migration, nesting, wintering
CHORDATA / AVES	<i>Thalasseus sandvicensis</i>	☒	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	VU Italian Red List App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Tringa glareola</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention Ann. I Birds Directive	Critical life cycle phase: migration
CHORDATA / AVES	<i>Tringa ochropus</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, wintering
CHORDATA / AVES	<i>Tringa stagnatilis</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration
CHORDATA / AVES	<i>Troglodytes troglodytes</i>	☐	☒	☐	☐	☒	☐	☐	☐				LC	☐	☐	App. II Bern Convention	Critical life cycle phase: migration, nesting, wintering

1) Percentage of the total biogeographic population at the site

Balletto, E., Bonelli, S., Barbero, F., Casacci, L.P., Sbordoni, V., Dapporto, L., Scalercio, S., Zilli, A., Battistoni, A., Teofili, C., Rondinini, C. (compilatori), 2015 - Lista Rossa IUCN delle Farfalle Italiane - Ropaloceri. Comitato Italiano IUCN e Ministero dell'Ambiente e della Tutela del Territorio e del Mare
 Italian Red List: Rondinini, C., Battistoni, A., Teofili, C. (compilatori) - 2022 "Lista Rossa IUCN dei vertebrati italiani 2022". Comitato Italiano IUCN e Ministero dell'Ambiente e della Sicurezza Energetica

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

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Coastal lagoons (code 1150*)	☒	Expanses of shallow coastal salt water, of varying salinity and water volume.	It is listed as priority habitat in the Annex I of Habitat Directive

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Annual vegetation of drift lines (code 1210)	☒	Annual community of the sandy coast common in central-western Europe	It is listed in the Annex I of Habitat Directive.
Salicornia and other annuals colonizing mud and sand (code 1310)	☒	Formations composed mostly or predominantly of annuals, in particular Chenopodiaceae of the genus Salicornia or grasses, colonising periodically inundated muds and sands of marine or interior salt marshes.	It is listed in the Annex I of Habitat Directive.
Mediterranean salt meadows (Juncetalia maritimi) (code 1410)	☒	Coastal/sub-coastal communities generally dominated by Juncus spp. or other species (Juncetalia maritimi)	It is listed in the Annex I of Habitat Directive.
Mediterranean and thermo-Atlantic halophilous scrubs (Sarcocornetia fruticosi) (code 1420)	☒	Perennial vegetation of marine saline muds (schorre) mainly composed of scrub (genera Sarcocornia and Arthrocnemum).	It is listed in the Annex I of Habitat Directive.
Embryonic shifting dunes (code 2110)	☒	Formations of the coast representing the first stages of dune construction. The main species is Agropyron junceum.	It is listed in the Annex I of Habitat Directive.
Shifting dunes along the shoreline with Ammophila arenaria (white dunes) (code 2120)	☒	Mobile dunes forming the seaward cordon or cordons of dune systems of the coast, including mainly Ammophila arenaria	It is listed in the Annex I of Habitat Directive.
Malcolmietalia dune grasslands (code 2230)	☒	Associations with many small annuals and often abundant ephemeral spring bloom, of deep sands in dry interdunal depressions of the coasts.	It is listed in the Annex I of Habitat Directive.
Brachypodietalia dune grasslands with annuals (code 2240)	☒	Pseudo-steppe with grasses and annuals	It is listed in the Annex I of Habitat Directive.
Coastal dunes with Juniperus spp. (code 2250*)	☒	The habitat contains many types of wood vegetation dominated by specie of genus Juniperus sp. pl. and other Mediterranean sclerophiles.	It is listed as priority habitat in the Annex I of Habitat Directive
Cisto-Lavanduletalia dune sclerophyllous scrubs (code 2260)	☒	Sclerophillous community that grows on sandy dunes.	It is listed in the Annex I of Habitat Directive.
Wooded dunes with Pinus pinea and/or Pinus pinaster (code 2270*)	☒	Coastal dunes colonized by Mediterranean and Atlantic thermophilous pines, corresponding to the substitution facies or in some stations climax formations of evergreen oak of artificial origin (Quercetalia ilicis or Ceratonio-Rhamnetalia).	It is listed as priority habitat in the Annex I of Habitat Directive
Mediterranean tall humid herb grasslands of the Molinio-Holoschoenion (code 6420)	☒	Mediterranean humid grasslands of tall grasses and rushes.	It is listed in the Annex I of Habitat Directive.

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

4.1 - Ecological character

The Fucecchio Marsh is Italy's largest inland freshwater wetland, characterized by a mosaic of natural wetland areas existing alongside artificial wetland areas (canals, ponds, agricultural lands subject to seasonal flooding). The wetland in its entirety provides a series of ecosystem services: habitat for flora and fauna species, natural flood retention basin, canalization and supply of water for irrigation purposes, a site for environmental education, nature-based learning and eco-sustainable tourism, scientific monitoring and research, social inclusion activities related to disability, traditional water-related activities such as fishing, hunting and harvesting of marsh herbs, and agricultural land.

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

Inland wetlands

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 > Lakes and pools >> Tp: Permanent freshwater marshes/ pools		3		Representative
Fresh water > Lakes and pools >> Ts: Seasonal/ intermittent freshwater marshes/ pools on inorganic soils		4		Representative
Fresh water > Marshes on inorganic soils >> W: Shrub-dominated wetlands		2		Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		1		Representative

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type
2: Ponds		1	
4: Seasonally flooded agricultural land		4	
9: Canals and drainage channels or ditches		3	

4.3 - Biological components

4.3.1 - Plant species

Invasive alien plant species

Phylum	Scientific name	Impacts
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Ailanthus altissima</i>	Actual (major impacts)
TRACHEOPHYTA/LILIOPSIDA	<i>Arundo donax</i>	Actual (major impacts)
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Robinia pseudoacacia</i>	Actual (major impacts)

4.3.2 - Animal species

Invasive alien animal species

Phylum	Scientific name	Impacts
CHORDATA/AVES	<i>Amandava amandava</i>	Actual (minor impacts)
CHORDATA/ACTINOPTERYGII	<i>Gambusia holbrooki</i>	Actual (major impacts)
CHORDATA/MAMMALIA	<i>Myocastor coypus</i>	Actual (major impacts)
ARTHROPODA/MALACOSTRACA	<i>Procambarus clarkii</i>	Actual (major impacts)
CHORDATA/AVES	<i>Psittacula krameri</i>	Actual (major impacts)
CHORDATA/AVES	<i>Threskiornis aethiopicus</i>	Actual (major impacts)
CHORDATA/REPTILIA	<i>Trachemys scripta elegans</i>	Actual (major impacts)

4.4 - Physical components

4.4.1 - Climate

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

4.4.2 - Geomorphic setting

a) Minimum elevation above sea level (in metres)

a) Maximum elevation above sea level (in metres)

Entire river basin ☐

Upper part of river basin ☐

Middle part of river basin ☐

Lower part of river basin ☒

More than one river basin ☐

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.

The site is located in the lower section of the Arno River Basin. It occupies a large interfluvial depression, representing the largest inland marsh in Italy. Its main hydrological connection to the Arno River is via the Canale Usciana (outflow). The Padule receives inflows from several smaller tributaries descending from the surrounding hills and plains (e.g., Pescia di Pescia, Pescia di Collodi, Nievole stream), effectively functioning as a retention basin within the wider Arno catchment.

4.4.3 - Soil

Mineral ☐

Organic ☐

No available information ☒

Are soil types subject to change as a result of changing hydrological conditions (e.g., increased salinity or acidification)? Yes ☐ No ☒

4.4.4 - Water regime

Water permanence

Presence?	
Usually permanent water present	No change
Usually seasonal, ephemeral or intermittent water present	No change

Source of water that maintains character of the site

Presence?	Predominant water source	
Water inputs from surface water	☐	No change
Water inputs from groundwater	☐	No change
Water inputs from precipitation	☒	No change

Water destination

Presence?	
Feeds groundwater	No change
To downstream catchment	No change

Stability of water regime

Presence?	
Water levels fluctuating (including tidal)	No change

4.4.5 - Sediment regime

Significant erosion of sediments occurs on the site ☐

- Significant accretion or deposition of sediments occurs on the site ☐
- Significant transportation of sediments occurs on or through the site ☐
- Sediment regime is highly variable, either seasonally or inter-annually ☐
- Sediment regime unknown ☒

4.4.6 - Water pH

- Acid (pH<5.5) ☐
- Circumneutral (pH: 5.5-7.4) ☐
- Alkaline (pH>7.4) ☐
- Unknown ☒

4.4.7 - Water salinity

- Fresh (<0.5 g/l) ☒
- Mixohaline (brackish)/Mixosaline (0.5-30 g/l) ☐
- Euhaline/Eusaline (30-40 g/l) ☐
- Hyperhaline/Hypersaline (>40 g/l) ☐
- Unknown ☐

4.4.8 - Dissolved or suspended nutrients in water

- Eutrophic ☒
- Mesotrophic ☐
- Oligotrophic ☐
- Dystrophic ☐
- Unknown ☐

4.4.9 - Features of the surrounding area which may affect the Site

Please describe whether, and if so how, the landscape and ecological characteristics in the area surrounding the Ramsar Site differ from the site itself: i) broadly similar ☐ ii) significantly different ☒

- Surrounding area has greater urbanisation or development ☒
- Surrounding area has higher human population density ☒
- Surrounding area has more intensive agricultural use ☒
- Surrounding area has significantly different land cover or habitat types ☐

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	Medium

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	High
Maintenance of hydrological regimes	Storage and delivery of water as part of water supply systems for agriculture and industry	High
Climate regulation	Local climate regulation/buffering of change	High
Hazard reduction	Flood control, flood storage	High

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Nature observation and nature-based tourism	High
Scientific and educational	Educational activities and opportunities	High
Scientific and educational	Long-term monitoring site	High

Supporting Services

Ecosystem service	Examples	Importance/Extent/Significance
Biodiversity	Supports a variety of all life forms including plants, animals and microorganisms, the genes they contain, and the ecosystems of which they form a part	High
Pollination	Support for pollinators	High

Have studies or assessments been made of the economic valuation of ecosystem services provided by this Ramsar Site? Yes ☐ No ☐ Unknown ☒

4.5.2 - 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 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 ☒

Description if applicable

Ancient traditions of weaving marsh grasses are still present, involving the collection of herbaceous emergent species such as *Carex elata* All., and shrub species like *Salix* sp. pl. These materials are used for chair caning, as well as for covering demijohns and flasks, and crafting everyday objects like baskets, fish traps, and more.

iii) the ecological character of the wetland depends on its interaction 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 character of the wetland ☒

Description if applicable

The Nazi massacre of the Padule di Fucecchio in 1944

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

Public ownership

Category	Within the Ramsar Site	In the surrounding area
Other public ownership	☒	☒

Private ownership

Category	Within the Ramsar Site	In the surrounding area
Other types of private/individual owner(s)	☒	☒

5.1.2 - Management authority

Please list the local office / offices of any agency or organization responsible for managing the site:

Regione Toscana – Sector for the Protection of Nature and the Sea

Provide the name and/or title of the person or people with responsibility for the wetland:

Ing. Gilda Ruberti

Postal address:

Via di Novoli 26 – 50127 Firenze Italy

E-mail address:

gilda.ruberti@regione.toscana.it

5.2 - Ecological character threats and responses (Management)

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

Human settlements (non agricultural)

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Housing and urban areas	Medium impact	Medium impact	☒	☒
Commercial and industrial areas	Medium impact	Medium impact	☒	☒
Tourism and recreation areas	Low impact	Low impact	☒	☒

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Water abstraction	Medium impact	Medium impact	☒	☒
Water releases	Medium impact	Medium impact	☒	☒
Canalisation and river regulation	High impact	High impact	☒	☒

Agriculture and aquaculture

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Annual and perennial non-timber crops	Low impact	Low impact	☒	☒

Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Roads and railroads	High impact	High impact	☒	☒
Utility and service lines (e.g., pipelines)	Medium impact	Medium impact	☒	☒

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Hunting and collecting terrestrial animals	High impact	High impact	☒	☒

Natural system modifications

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Vegetation clearance/ land conversion	Medium impact	Medium impact	☒	☒

Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Invasive non-native/ alien species	High impact	High impact	☒	☒

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Household sewage, urban waste water	Medium impact	Medium impact	☒	☒
Agricultural and forestry effluents	Medium impact	Medium impact	☒	☒
Garbage and solid waste	Medium impact	Medium impact	☒	☒

Climate change and severe weather

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Habitat shifting and alteration	High impact	High impact	☒	☒
Droughts	Medium impact	Medium impact	☒	☒

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	ZSC-ZPS Bosco di Chiusi e Paduletta di Ramone IT5140010 ZSC-ZPS Padule di Fucecchio IT5130007		whole

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Nature Reserve	Regional Nature Reserve of Padule di Fucecchio		partly

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	IBA Padule di Fucecchio IT080		partly

5.2.3 - IUCN protected areas categories (2008)

- Ia Strict Nature Reserve ☐
- Ib Wilderness Area: protected area managed mainly for wilderness protection ☐
- II National Park: protected area managed mainly for ecosystem protection and recreation ☐
- III Natural Monument: protected area managed mainly for conservation of specific natural features ☐
- IV Habitat/Species Management Area: protected area managed mainly for conservation through management intervention ☒
- V Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation ☐
- VI Managed Resource Protected Area: protected area managed mainly for the sustainable use of natural ecosystems ☒

5.2.4 - Key conservation measures

Legal protection

Measures	Status
Legal protection	Implemented

Habitat

Measures	Status
Faunal corridors/passage	Proposed
Soil management	Proposed
Catchment management initiatives/controls	Proposed
Improvement of water quality	Proposed
Habitat manipulation/enhancement	Proposed
Hydrology management/restoration	Proposed
Re-vegetation	Proposed
Land conversion controls	Proposed

Species

Measures	Status
Control of invasive alien plants	Proposed
Control of invasive alien animals	Proposed
Reintroductions	Proposed

Human Activities

Measures	Status
Management of water abstraction/takes	Proposed
Regulation/management of recreational activities	Proposed
Communication, education, and participation and awareness activities	Implemented
Research	Proposed
Harvest controls/poaching enforcement	Proposed

Other:

Current Protection Measures:

D.G.R. 454/2008: "D.M. 17.10.2007 of the Ministry of the Environment and Protection of Territory and Sea - Uniform minimum criteria for defining conservation measures related to Special Areas of Conservation (SACs) and Special Protection Areas (SPAs) - Implementation."

D.G.R. 1009/2025 "Direttiva 92/43/CE "Habitat" - art. 4 e 6 - approvazione obiettivi e misure di conservazione di 139 siti Natura 2000 (SIC, ZSC, ZSC/ZPS) della Regione Toscana. "

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 site? Yes ☐ No ☒

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning processes with another Contracting Party? Yes ☐ No ☒

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

The site features a visitor center and trails equipped with nature observatories and screened walkways. This wetland serves as an established hub for environmental education and eco-friendly activities (such as excursions, conferences, exhibitions, and publishing). It also plays a key role in scientific monitoring (IWC ISPRA) and in research and scientific projects, including the ex situ conservation of native hydrophytic plant species that have locally disappeared.

URL of site-related webpage (if relevant):

<https://www.regione.toscana.it/-/aree-ramsar> <https://www.regione.toscana.it/-/rete-natura-2000-in-toscana-2> <https://www.regione.toscana.it/riserve-naturali-regionali>

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No need identified

5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Water regime monitoring	Proposed
Animal species (please specify)	Proposed
Plant community	Implemented
Plant species	Implemented
Animal community	Implemented
Birds	Implemented
Water quality	Proposed

Animal Species: Butterflies, amphibians, reptiles.

Wintering waterbird censuses (IWC ISPRA), heronry censuses, roost censuses, and ISPRA scientific bird ringing sessions.

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

AA.VV., 2022 - Piano di Gestione della Zona Speciale di Conservazione/Zona di Protezione Speciale Padule di Fucecchio (IT5130007). Redatto ottobre 2022 (iter d'approvazione non ancora ultimato)

Balletto, E., Bonelli, S., Barbero, F. et al., 2015 - Lista Rossa IUCN delle Farfalle Italiane - Ropaloceri. Comitato Italiano IUCN e Ministero dell'Ambiente e della Tutela del Territorio e del Mare

Bartolini A., 2004 – Aironi e specie affini. Identificazione, status e conservazione dei Ciconiformi di Padule di Fucecchio. Quaderni del Padule di Fucecchio n. 3. Centro di Ricerca, Documentazione e Promozione del Padule di Fucecchio

Bartolini A., 2010 - Il Bosco di Chiusi e la Paduletta di Ramone. Indagini naturalistiche e attività di ripristino degli habitat. Quaderni del Padule di Fucecchio n.7. Centro di Ricerca, Documentazione e Promozione del Padule di Fucecchio

Puglisi L., Pezzo F., Sacchetti A., 2012 – Gli aironi coloniali in Toscana. Andamento distribuzione e conservazione. Monitoraggio dell'avifauna toscana. Ed. Regione Toscana

Rondinini, C., Battistoni, A., Teofili, C. et al., 2022 - Lista Rossa IUCN dei vertebrati italiani 2022. Comitato Italiano IUCN e Ministero dell'Ambiente e della Sicurezza Energetica

Rossi G., Montagnani C., Gargano D. et al., 2013 - Lista Rossa della Flora Italiana. 1. Policy Species e altre specie minacciate. Comitato Italiano IUCN e Ministero dell'Ambiente e della Tutela del Territorio e del Mare

Rossi G., Orsenigo S., Gargano D. et al., 2020 - Lista Rossa della Flora Italiana. 2 Endemiti e altre specie minacciate. Ministero dell'Ambiente e della Tutela del Territorio e del Mare

Tomei P.E., Guazzi, E., Kugler P.C., 2001 – Le zone umide della Toscana. Indagine sulle componenti floristiche e vegetazionali. Regione Toscana, Firenze.

Venturato E. & Petrini R. (a cura di), 2001 – Lungo le rotte migratorie. Progetti di Ricerca sulla vegetazione, l'avifauna e le specie aliene. Quaderni del Padule di Fucecchio n. 1. Centro di Ricerca, Documentazione e Promozione del Padule di Fucecchio.

Zenatello M., Baccetti N., Borghesi F., 2014 - Risultati dei censimenti degli uccelli acquatici svernanti in Italia. Distribuzione, stima e trend delle popolazioni nel 2001-2010. ISPRA, Serie Rapporti, 206/2014.

D.G.R. 454/2008 "D.M. 17.10.2007 del Ministero Ambiente e tutela del Territorio e del Mare - Criteri minimi uniformi per la definizione di misure di conservazione relative a zone speciali di conservazione (ZSC) e zone di protezione speciale (ZPS) – Attuazione."

D.G.R. 1009/2025 "Direttiva 92/43/CE "Habitat" - art. 4 e 6 - approvazione obiettivi e misure di conservazione di 139 siti Natura 2000 (SIC, ZSC, ZSC/ZPS) della Regione Toscana. "

Sitografia:
<https://www.regione.toscana.it/-/aree-ramsar>
<https://www.regione.toscana.it/-/rete-natura-2000-in-toscana-2>
<https://www.regione.toscana.it/riserve-naturali-regionali>
<https://datazone.birdlife.org/site/factsheet/fucecchio-marsh-iba-italy>
<http://vnr.unipg.it/habitat/index.jsp>
<https://dryades.units>

6.1.2 - Additional reports and documents

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

<1 file(s) uploaded>

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>

6.1.3 - Photograph(s) of the Site

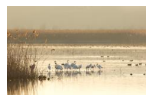
Please provide at least one photograph of the site:



Località Il Pratone (ZSC/ZPS Bosco di Chiusi e Paduletta di Ramone) (Alessio Bartolini, 09-04-2010)



Padule di Fucecchio, Località Le Morette (Alessio Bartolini, 02-03-2022)



In winter, the flooded Reserve becomes a gathering point for numerous migratory species. (Federica Gianneschi, 27-01-2024)



The Morette water basin at sunset. In the background, Monte Serra stands out. (Federica Gianneschi, 27-01-2024)



Here's an image of some coots in a flooded poplar grove in the Fucecchio Marsh (Federica Gianneschi, 15-03-2025)



Ducks flying over the Morette water basin (Valerio Baldeschi, 15-01-2022)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 2013-10-21