

# NATURA 2000 - STANDARD DATA FORM

DRAFT exported from Reportnet 3 - [19/12/2025]  
Muraglione - Acqua Cheta (IT5140005 - SCI)

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## 1. Site identification

### 1.1 Site type

B

### 1.2 Site code

IT5140005

### 1.3 Site name

Muraglione - Acqua Cheta

### 1.3.1 Site name non-latin alphabet (optional)

## 1.4 Respondent

### 1.4.1 Name of the organisation

Regione Toscana - Direzione Ambiente ed  
Energia - Settore Tutela della Natura e del  
Mare

### 1.4.2 Contact point in the organisation (optional)

### 1.4.3 Postal address

Via di Novoli, 26 - 50127 Firenze

### 1.4.4 Functional mailbox email address

parchiareeprotette\_biodiversita@regione.tosc  
ana.it

### 1.4.5 Website with contact information

## 1.5 Site classification/proposal/designation dates

### 1.5.1 Date site first classified as SPA

### 1.5.2 SPA classification act (URI or free text)

### 1.5.3 Date site first proposed as SCI

1995-06

### Date confirmed as SCI

populated by EEA on behalf of the European Commission

### 1.5.4 Date site designated as SAC

2016-12

### 1.5.5 SAC designation act (URI or free text)

<https://www.gazzettaufficiale.it/eli/gu/2017/01/24/19/sg/pdf>

### 1.5.6 Explanations (optional)

## 2. Site location

### 2.1 Location calculated by the European Environment Agency

#### Longitude

calculated by the EEA after release in  
Reportnet 3

#### Latitude

calculated by the EEA after release in Reportnet 3

### 2.1.1 Area (ha)

4885

### 2.1.2 Reason for area difference with spatial dataset (if any)

### 2.1.3 Reason for area difference – explanations

## 2.2 Administrative region (optional)

2.2.1 Administrative region code	2.2.2 Administrative region name
IT11	TOSCANA

## 2.3 Biogeographical and marine regions

2.3.1 Region code	2.3.2 Percentage	Fully marine SCI/SAC (100 %) must be attributed to a biogeographical
Continental	100	Continental

## 3. Ecological information

### 3.1 Habitat types of Annex I of council directive 92/43/EEC present on the site

#### 3.1.a Essential information (habitat type)

Annex I habitat types							
3.1.1		3.1.2	3.1.3	3.1.4	3.1.5	3.1.6	3.1.7
Code	Name	Priority form	Not present	Cover [ha]	Caves [number]	Method cover	Last data collection
4030	European dry heaths	No		9.33		limited	
5130	Juniperus communis formations on heaths or calcareous grasslands	No		140.76		limited	
6210	Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes		201.86		limited	
6510	Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)	No		39.05		limited	
9110	Luzulo-Fagetum beech forests	No		19.24		limited	
9130	Asperulo-Fagetum beech forests	No		3266.67		limited	
92A0	Salix alba and Populus alba galleries	No		0.84		limited	

**Priority Form:** For habitat types 6210, 7130, 9430 priority depends on the habitat characteristics. Indicated as Yes/No.

**Not Present:** Indicates whether the habitat type is no longer present (noLongerPresent) on the site, or its re-establishment is planned (reEstablishment).

**Cover:** Shows the size of habitat type as decimal values.

**Caves:** For habitat types 8310 and 8330 (caves), the number of caves can be entered when a surface area is not available or appropriate.

**Method used for cover:** Method used for cover: complete = complete survey or a statistically robust estimate; limited = based mainly on extrapolation from a limited amount of data; insufficient = insufficient or no data available

**Last data collection:** Date or period of the last data collection.

### 3.1.b Site assessment (habitat type)

3.1.1 Code	Name	3.1.2 Priority form	3.1.8 Significance	3.1.9 Representativity	3.1.10 Relative surface	3.1.12.1 Conservation	3.1.12.2 Conservation area	3.1.12.3 Conservation method	3.1.13 Conservation objectives	3.1.14 Objectives further explanation	3.1.15 Global	3.1.16 Update date
4030	European dry heaths	No	non-significant									202312
5130	Juniperus communis formations on heaths or calcareous grasslands	No	significant	B	C	A					B	202312
6210	Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	significant	B	C	B					C	202312

6510	Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)	No	significant	C	C	B	C	202312
9110	Luzulo-Fagetum beech forests	No	non-significant					202312
9130	Asperulo-Fagetum beech forests	No	significant	B	B	B	B	202312
92A0	Salix alba and Populus alba galleries	No	non-significant					202312

**Priority Form:** For habitat types 6210, 7130, 9430 priority depends on the habitat characteristics. Indicated as Yes/No.

**Significance:** Indicates if the occurrence is significant or not.

**Representativity:** Degree of representativity of the habitat type on the site: A = excellent; B = good; C = significant

**Relative Surface:** Area of the site covered by the habitat type in relation to the total area covered by that habitat type within the national territory, assigned to following percentage classes: A1 = 75-100%; A2 = 50-75%; A3 = 25-50%; A4 = 15-25%; B = 2-15%; C = smaller than 2%.

**Conservation:** Degree of conservation: A = excellent (nearly all of the habitat area in good condition); B = good (most of the habitat area in good condition); C = reduced (most of the habitat area in not good condition); X = unknown (most or all of the habitat area in unknown condition).

**Conservation area:** Area of conservation degree categories in good (A + B), not good (C), unknown (X) conditions as hectare values.

**Conservation method:** Method used for degree of conservation: complete = Complete survey or statistically robust estimate in hectares (for example taken from mapping in management plans); limited = Based mainly on extrapolation from a limited amount of data (expert judgement); veryLimited = Based mainly on expert opinion with very limited data (based on partial mapping data); insufficient = Insufficient or no data available.

**Conservation objectives:** prevent = Prevent deterioration; maintain = Maintain the habitat type's surface area and its good condition; enlarge = Enlarge the area of the habitat type; improve = Improve the habitat type condition; reestablish = Re-establish the habitat type; other = Other.

**Global:** Global assessment of the habitat type in the site: A = excellent; B = good; C = significant.

**Updated date:** Date or period of the last update.

### 3.2 Species referred to in Article 4 of Directive 2009/147/EC and species listed in Annex II to Directive 92/43/EEC present on the site

#### 3.2.a Essential information (species)

Species			Population in the site								
3.2.1	3.2.2	3.2.4	3.2.5	3.2.6	3.2.7.1	3.2.7.1	3.2.7.2	3.2.8	3.2.9	3.2.10	
Group	Code	Scientific name	Sensitive	Not present	Type	Size min	Size max	Unit	Abundance	Method Population size	Last data collection
A	5357	Bombina pachypus			p				P	insufficient	
A	1175	Salamandrina terdigitata			p				P	insufficient	
A	1167	Triturus carnifex			p				P	insufficient	
F	1137	Barbus plebejus			p				P	insufficient	
F	5331	Telestes muticellus			p				P	insufficient	
I	1092	Austropotamo bius pallipes			p				P	insufficient	

I	1065	Euphydryas aurinia	p	P	insufficient
I	6199	Euplagia qua dripunctaria	p	P	insufficient
I	1087	Rosalia alpina	p	P	insufficient
M	1308	Barbastella barbastellus	p	P	insufficient
M	1352	Canis lupus	p	P	insufficient
M	1310	Miniopterus schreibersii	p	P	insufficient
M	1323	Myotis bechsteinii	p	R	insufficient
M	1307	Myotis blythii	p	P	insufficient
M	1321	Myotis emarginatus	p	P	insufficient
M	1324	Myotis myotis	p	P	insufficient
M	1304	Rhinolophus ferrumequinum	p	P	insufficient
M	1303	Rhinolophus hipposideros	p	P	insufficient
P	4104	Himantoglossum adriaticum	p	R	insufficient

**Group:** The taxonomic group to which the species belongs: A = Amphibians; B = Birds; F = Fish; Fu = Fungi; I = Invertebrates; L = Lichens; M = Mammals; P = Plants including bryophytes and algae; R = Reptiles.

**Sensitive:** Species indicated with “true” are classified as sensitive.

**Not Present:** Indicates whether the species is no longer present (noLongerPresent) on the site, or its re-establishment is planned (reEstablishment).

**Type:** Population type of species in the site: p = Permanent: to be found throughout the year on the site (non-migratory species, plants, resident population of migratory species); r = Reproducing: uses the site to raise young (e.g. breeding, nesting); c = Concentration: site used for staging or roosting or migration stop/over or for moulting outside the breeding grounds and excluding wintering; w = Wintering: uses the site during the winter.

**Unit:** The unit of population size values, the standard is i = individuals, p = pairs. For exceptions see reference portal.

**Abundance:** Abundance category to be provided if no number of population size is available: C = Common; R = Rare, V = Very rare; P = Present.

**Method Population size:** Method used for population size: complete = complete survey or a statistically robust estimate; limited = based mainly on extrapolation from a limited amount of data; veryLimited = Based mainly on expert opinion with very limited data; insufficient = insufficient or no data available.

**Last data collection:** Date or period of the last data collection.

### 3.2.b Site assessment (species)

3.2.1	3.2.2	3.2.3	3.2.6	3.2.11	3.2.12	3.2.13	3.2.14	3.2.15	3.2.15.2	3.2.15.3	3.2.16	3.2.17	3.2.18	3.2.19	3.2.20
Group	Code	Scientific Name	Type	Significance	SPA classification	Population	Population further explanation	Conservation	Conservation occupied % area (optional)	Conservation occupied % class	Conservation objectives	Objetives further explanation	Isolation	Global	Update date
A	5357	Bombina pachypus	p	significant		C		B					A	B	202312
A	1175	Salaman drina ter digitata	p	significant		C		B					C	B	202312
A	1167	Triturus carnifex	p	significant		C		B					C	B	202312
F	1137	Barbus plebejus	p	significant		C		C					C	C	202312
F	5331	Telestes muticellus	p	significant		C		C					C	C	202312
I	1092	Austropo tamobius pallipes	p	significant		C		C					C	C	202312
I	1065	Euphydr yas aurinia	p	significant		C		B					C	B	202312
I	6199	Euplagia quadripu nctaria	p	significant		C		B					C	B	202312
I	1087	Rosalia alpina	p	significant		C		B					C	B	202312
M	1308	Barbaste lla barba stellus	p	significant		C		B					C	B	202312
M	1352	Canis lupus	p	significant		C		B					C	B	202312

M	1310	Miniopterus schreibersii	p	significant	C	B	C	B	202312
M	1323	Myotis borchsteinii	p	significant	C	B	C	B	202312
M	1307	Myotis blythii	p	significant	C	B	C	C	202312
M	1321	Myotis emarginatus	p	significant	C	B	C	B	202312
M	1324	Myotis myotis	p	significant	C	B	C	C	202312
M	1304	Rhinolophus ferrumequinum	p	significant	C	C	C	C	202312
M	1303	Rhinolophus hipposideros	p	significant	C	C	C	C	202312
P	4104	Himantopus glossus adriaticum	p	significant	C	C	C	C	202312

**Group:** The taxonomic group to which the species belongs: A = Amphibians; B = Birds; F = Fish; Fu = Fungi; I = Invertebrates; L = Lichens; M = Mammals; P = Plants including bryophytes and algae; R = Reptiles.

**Significance:** Indicates if the occurrence is significant or not.

**SPA classification:** Alndicate if the bird species met the ornithological criteria used to justify SPA classification.

**Population:** Size and density of the population of the species present on the site in relation to the populations present within national territory, assigned to following percentage classes: A1 = 75-100%; A2 = 50-75%; A3 = 25-50%; A4 = 15-25%; B = 2-15%; C = smaller than 2%.

**Conservation:** Degree of conservation: A = excellent (nearly all of the habitat occupied by the species has sufficient quality); B = good (most of the habitat occupied by the species has sufficient quality); C = reduced (most of the habitat occupied by the species has non-sufficient quality); X = unknown (most of the habitat occupied by the species has unknown quality).

**Conservation objectives:** prevent = Prevent deterioration; maintain = Maintain the extent and good quality of the habitat of the species and the population size; enlarge = Enlarge area of the habitat of the species; improve = Improve the quality of the habitat of the species (considering also disturbance and mortality factors); reestablish = Re-establish habitat for the species; increase = Increase the population size; reduce = Reduce pressure on the population (e.g. reduce mortality or disturbance); reestablishPopulation = Re-establish the population at the site; other = Other.

**Isolation:** Degree of isolation: A = population (almost) isolated, B = population not-isolated, but on the margins of are of distribution, C = population not-isolated within extended distribution range.

**Global:** Global assessment of the species in the site: A = excellent; B = good; C = significant.

**Global:** Date or period of the last update.

### 3.3 Other important species of flora and fauna (optional)

3.3.1 Group	3.3.2 Code	3.3.3 Scientific name	3.3.4 Sensitive	3.3.5 Not present	3.3.6.1 Size min	3.3.6.1 Size max	3.3.6.2 Population unit	3.3.7 Abundance
A		Hydromantes italicus		no				R
A	1206	Rana italica		no				R
A		Speleomantes italicus		no				P
B	A256	Anthus trivialis		no				P
B	A091	Aquila chrysaetos		no				P
B	A224	Caprimulgus europaeus		no				P
B	A080	Circaetus gallicus		no				R
B	A113	Coturnix coturnix		no				P
B	A236	Dryocopus martius		no				P
B	A096	Falco tinnunculus		no				P

B	A233	Jynx torquilla	no	P
B	A338	Lanius collurio	no	P
B	A246	Lullula arborea	no	P
B	A280	Monticola saxatilis	no	V
B	A277	Oenanthe oenanthe	no	V
B	A072	Pernis apivorus	no	P
B	A314	Phylloscopus sibilatrix	no	P
B	A267	Prunella collaris	no	V
I	1058	Maculinea arion	no	P
M		Capreolus capreolus	no	P
M		Crocidura leucodon	no	P
M		Neomys anomalus	no	P
M		Neomys fodiens	no	P
M		Sus scrofa	no	P
M		Vulpes vulpes	no	P
P		Centaurea arrigonii	no	C
R	5179	Lacerta bilineata	no	P
R	1256	Podarcis muralis	no	P

**Group:** The taxonomic group to which the species belongs: A = Amphibians; B = Birds; F = Fish; Fu = Fungi; I = Invertebrates; L = Lichens; M = Mammals; P = Plants including bryophytes and algae; R = Reptiles.

**Code:** For Birds, Annex II, IV and V species the code from the official code list as provided in the reference portal..

**Sensitive:** Species indicated with “true” are classified as sensitive.

**Not present:** Indicates whether the species is no longer present (noLongerPresent) on the site.

**Unit:** The unit of population size values, the standard is i = individuals, p = pairs. For exceptions see reference portal.

**Abundance:** Abundance category to be provided if no number of population size is available: C = Common; R = Rare, V = Very rare; P = Present.

### 3.3.8 Motivation

Code	Name	H.D. Annex II	H.D. Annex IV	H.D. Annex V	B.D. Annex I	Migrat. birds	CFP prohib.	National red list	EU red list	Global red list	Endemic species	Int. conv.	H.D. Annex I	CWR/ FRG	IAS Union	Other reason
A256	<i>Anthus trivialis</i>					X										
A091	<i>Aquila chrysaetos</i>				X											
	<i>Capreolus capreolus</i>															X
A224	<i>Caprimulgus europaeus</i>				X											
	<i>Centaurea arrigonii</i>										X					
A080	<i>Circaetus gallicus</i>				X											
A113	<i>Coturnix coturnix</i>					X										
	<i>Crocidura leucodon</i>											X				X
A236	<i>Dryocopus martius</i>				X											
A096	<i>Falco tinnunculus</i>					X										
	<i>Hydromantes italicus</i>										X	X				X
A233	<i>Jynx torquilla</i>					X										
5179	<i>Lacerta bilineata</i>		X									X				
A338	<i>Lanius collurio</i>				X											
A246	<i>Lullula arborea</i>				X											

Code	Name	H.D. Annex II	H.D. Annex IV	H.D. Annex V	B.D. Annex I	Migrat. birds	CFP prohib.	National red list	EU red list	Global red list	Endemic species	Int. conv.	H.D. Annex I	CWR/ FRG	IAS Union	Other reason
1058	Maculinea arion		X													
A280	Monticola saxatilis					X										
	Neomys anomalus											X				X
	Neomys fodiens											X				X
A277	Oenanthe oenanthe					X										
A072	Pernis apivorus				X											
A314	Phylloscopus sibilatrix					X										
1256	Podarcis muralis		X													
A267	Prunella collaris					X										
1206	Rana italica		X								X	X				
	Speleomantes italicus															X
	Sus scrofa											X				
	Vulpes vulpes															X

**Motivation:** The motivation for listing additional species: H.D. Annex II = Species of Annex II Habitats Directive in SPA; H.D. Annex IV = Species of Annex IV Habitats Directive; H.D. Annex V = Species of Annex V Habitats Directive; B.D. Annex I = Bird species of Annex I Birds Directive in a pSCI, SCI, SAC; Migratory birds = Migratory bird species in a pSCI, SCI, SAC; CFP prohib. = Prohibited species of Annex I of the Technical Measures Regulation under the common fisheries policy (EU Regulation 2019/1241); Int conv. = Species listed/protected under international Conventions; H.D. Annex I = Typical species of Annex I habitat types; CWR/FRG = Crop Wild Relatives (CWR) / Forest Genetic Resources (FRG); IAS Union = Invasive alien species of Union concern (EU Regulation 1143/2014 on invasive alien species).



## 4. Site description

### 4.1 Site characteristics

Complesso montuoso quasi interamente boscato e scarsamente disturbato caratterizzato da alcuni affioramenti rocciosi arenacei.

### 4.2 Quality and importance of the site

Le vaste estensioni boschive (faggete e castagneti) ospitano tra i mammiferi il *Canis lupus* e alcune specie ornitiche che frequentano anche le zone aperte (Pecchiaiolo). Nelle praterie sono presenti specie di uccelli rare e minacciate. Presenza tra gli invertebrati di specie localizzate e del Lepidottero *Callimorpha quadripunctaria* (nec *quadripunctata*!).

### 4.3 Pressures on the site

4.3.1	4.3.2	4.3.3	4.3.4
Pressure code	Rank	Location	Further details

**Pressure code:** Pressure code

**Rank:** Relative importance of a pressure in the categories high, medium, low.

**Location:** Indicates where the pressure is located: in = within the site; out = outside of the site; inout = within and outside of the site.

### 4.3.5 Last update of the information on the pressures on the site

202312

### 4.4 Documentation

Comunicazione Duccio Berzi. Comunicazione Filippo Fabiano. Comunicazione Bruno Foggi. Comunicazione Federica Tarducci. Comunicazione Stefano Vanni. Comunicazione Paolo Agnelli. Anfibi: Museo di Storia Naturale dell'Università di Firenze, Sezione di Zoologia "La Specola". Segnalazione personale di F. Baldassarri. Segnalazione personale F. Barbagli, F. Lotti Segnalazione personale di S. Bassi. Uccelli: Tellini Florenzano G., Arcamone E., Baccetti N., Meschini E., Sposimo P. (eds.) 1997. Atlante degli uccelli nidificanti e svernanti in Toscana (1982-1992) Quaderni del Museo di Storia Naturale di Livorno Monografie 1: 414 pp. Mammiferi: Segnalazioni personali di D. Scaravelli.

#### 4.4.1 Link(s)

#### 4.4.2 Last update of the documentation information

202312

## 5. Site management

### 5.1 Body responsible for the site management

#### 5.1.1 Name of the organization

Regione Toscana

#### 5.1.2 Contact point in the organisation (optional)

No information provided

#### 5.1.3 Postal address

No information provided

#### 5.1.4 Functional mailbox email address

No information provided

#### 5.1.5 Website with contact information

No information provided

### 5.1 Body responsible for the site management

#### 5.1.1 Name of the organization

Parco Nazionale Foreste Casentinesi

#### 5.1.2 Contact point in the organisation (optional)

No information provided

#### 5.1.3 Postal address

No information provided

#### 5.1.4 Functional mailbox email address

No information provided

#### 5.1.5 Website with contact information

No information provided

### 5.2 Management plans

#### 5.2.1 Existence of management plan(s)

Yes

#### 5.2.2 Reference and validity of the management plan(s)

Name of the plan	Link to the plan (URI)	Validity of the plan (start date)	Duration (number of months)
Piano di Gestione della ZSC	<a href="https://www.parcoforestecasentines">https://www.parcoforestecasentines</a>		Not undefined
IT5140005 Muraglione Acquacheta	<a href="i.it/sites/default/files/PDG_Muraglione%20Acquacheta_0.pdf">i.it/sites/default/files/PDG_Muraglione%20Acquacheta_0.pdf</a>		

#### 5.2.3 Further explanations

### 5.3 Conservation measures

#### 5.3.1 Detailed information on measures

**Necessary conservation measures are included in the management plan(s)**

Necessary conservation measures are described in the following document(s)

5.3.1.b Title	5.3.1.c Link to online resource
DGR 1009 del 21/07/2025	<a href="https://www.regione.toscana.it/ricerca-atti#/searchAttiGiunta/detailsAttoG">https://www.regione.toscana.it/ricerca-atti#/searchAttiGiunta/detailsAttoG</a>

Further explanations on detailed conservation measures

#### 5.3.2 Status of conservation measures

Are the necessary measures established?

Are the established measures implemented?

### 5.4 Management effectiveness

Is the effectiveness of the conservation measures periodically assessed?

Further explanations on detailed conservation measures

## 6. Geospatial representation of the site

### 6.1 INSPIRE identifier

#### 6.1.1 Namespace

#### 6.1.2 Local identifier

#### 6.1.3 Version identifier (optional)