



## 2.4 Sitelength [km]:

0.0

## 2.5 Administrative region code and name

NUTS level 2 code

Region Name

ITC3	Liguria
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## 2.6 Biogeographical Region(s)

Continental (100.0  
%)

## 3. ECOLOGICAL INFORMATION

[Back to top](#)

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

Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [ha]	Cave [number]	Data quality	A B C D	A B C		
						Representativity	Relative Surface	Conservation	Global
4030 <b>B</b>			0.001		M	D			
6210 <b>B</b>			3.334		M	D			
6430 <b>B</b>			0.001		M	D			
6510 <b>B</b>			21.069		P	C	C	B	B
8210 <b>B</b>			9.26		M	D			
8230 <b>B</b>			2.98		P	C	C	B	B
91AA <b>B</b>			253.53		M	D			
91E0 <b>B</b>			56.95		M	C	C	B	B
9260 <b>B</b>			1026.77		M	C	C	B	C

- **PF:** for the habitat types that can have a non-priority as well as a priority form (6210, 7130, 9430) enter "X" in the column PF to indicate the priority form.
- **NP:** in case that a habitat type no longer exists in the site enter: x (optional)
- **Cover:** decimal values can be entered
- **Caves:** for habitat types 8310, 8330 (caves) enter the number of caves if estimated surface is not available.
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation)

## 3.2 Species referred to in Article 4 of Directive 2009/147/EC and listed in Annex II of Directive 92/43/EEC and site evaluation for them

Species					Population in the site						Site assessment			
G	Code	Scientific Name	S	NP	T	Size		Unit	Cat.	D. qual.	A B C D	A B C		
						Min	Max				Pop.	Con.	Iso.	Glo.
B	A085	<a href="#">Accipiter gentilis</a>			p				P	DD	D			
B	A086	<a href="#">Accipiter nisus</a>			p				P	DD	D			
B	A324	<a href="#">Aegithalos caudatus</a>			p				P	DD	D			
B	A256	<a href="#">Anthus trivialis</a>			r				P	DD	D			
B	A226	<a href="#">Apus apus</a>			r				P	DD	D			
B	A091	<a href="#">Aquila chrysaetos</a>			p				P	DD	D			

B	A218	<a href="#">Athene noctua</a>			p				P	DD	D			
I	1092	<a href="#">Austropotamobius pallipes</a>			p				P	DD	C	C	C	C
F	1138	<a href="#">Barbus meridionalis</a>			p				P	DD	D			
F	1137	<a href="#">Barbus plebejus</a>			p				P	DD	D			
B	A087	<a href="#">Buteo buteo</a>			p				P	DD	D			
M	1352	<a href="#">Canis lupus</a>			p				P	DD	C	B	C	B
B	A224	<a href="#">Caprimulgus europaeus</a>			r				P	DD	C	B	C	C
B	A366	<a href="#">Carduelis cannabina</a>			r				P	DD	D			
B	A364	<a href="#">Carduelis carduells</a>			p				P	DD	D			
B	A363	<a href="#">Carduelis chloris</a>			r				P	DD	D			
B	A335	<a href="#">Certhia brachydactyla</a>			p				P	DD	D			
B	A264	<a href="#">Cinclus cinclus</a>			p				P	DD	D			
B	A080	<a href="#">Circaetus gallicus</a>			r				P	DD	D			
B	A208	<a href="#">Columba palumbus</a>			r				P	DD	D			
B	A350	<a href="#">Corvus corax</a>			p				P	DD	D			
B	A615	<a href="#">Corvus cornix</a>			p				P	DD	D			
B	A349	<a href="#">Corvus corone</a>			p				P	DD	D			
B	A212	<a href="#">Cuculus canorus</a>			r				P	DD	D			
B	A253	<a href="#">Delichon urbica</a>			r				P	DD	D			
B	A237	<a href="#">Dendrocopos major</a>			p				P	DD	D			
B	A240	<a href="#">Dendrocopos minor</a>			p				P	DD	D			
B	A236	<a href="#">Dryocopus martius</a>			p				P	DD	D			
B	A378	<a href="#">Emberiza cia</a>			p				P	DD	D			
B	A377	<a href="#">Emberiza cirius</a>			r				P	DD	D			
I	1074	<a href="#">Eriogaster catax</a>			p				P	DD	B	C	C	C
B	A269	<a href="#">Erithacus rubecula</a>			p				P	DD	D			
I	6199	<a href="#">Euplagia quadripunctaria</a>			p				C	DD	C	B	C	B
B	A103	<a href="#">Falco peregrinus</a>			p				P	DD	D			
B	A096	<a href="#">Falco tinnunculus</a>			p				P	DD	D			
B	A321	<a href="#">Ficedula albicollis</a>			r				P	DD	D			
B	A359	<a href="#">Fringilla coelebs</a>			p				P	DD	D			
B	A360	<a href="#">Fringilla montifringilla</a>			c				P	DD	D			
B	A342	<a href="#">Garrulus glandarius</a>			p				P	DD	D			
B	A251	<a href="#">Hirundo rustica</a>			r				P	DD	D			
B	A233	<a href="#">Jynx torquilla</a>			r				P	DD	D			
B	A338	<a href="#">Lanius collurio</a>			r				P	DD	C	B	C	C
I	1083	<a href="#">Lucanus cervus</a>			p				P	DD	C	C	B	C
B	A271	<a href="#">Luscinia megarhynchos</a>			r				P	DD	D			
B	A383	<a href="#">Miliaria calandra</a>			r				P	DD	D			
M	1310	<a href="#">Miniopterus schreibersii</a>			c				P	DD	D			
B	A280	<a href="#">Monticola saxatilis</a>			c				P	DD	D			
B	A262	<a href="#">Motacilla alba</a>			p				P	DD	D			
B	A261	<a href="#">Motacilla cinerea</a>			p				P	DD	D			
B	A319	<a href="#">Muscicapa striata</a>			r				P	DD	D			
B	A337	<a href="#">Oriolus oriolus</a>			r				P	DD	D			

B	A094	<a href="#">Pandion haliaetus</a>			c				P	DD	D				
B	A328	<a href="#">Parus ater</a>			p				P	DD	D				
B	A329	<a href="#">Parus caeruleus</a>			p				P	DD	D				
B	A330	<a href="#">Parus major</a>			p				P	DD	D				
B	A325	<a href="#">Parus palustris</a>			c				P	DD	D				
B	A354	<a href="#">Passer domesticus</a>			p				P	DD	D				
B	A356	<a href="#">Passer montanus</a>			p				P	DD	D				
B	A072	<a href="#">Pernis apivorus</a>			r				P	DD	D				
B	A273	<a href="#">Phoenicurus ochruros</a>			c				P	DD	D				
B	A274	<a href="#">Phoenicurus phoenicurus</a>			r				P	DD	D				
B	A313	<a href="#">Phylloscopus bonelli</a>			c				P	DD	D				
B	A315	<a href="#">Phylloscopus collybita</a>			p				P	DD	D				
B	A314	<a href="#">Phylloscopus sibilatrix</a>			c				P	DD	D				
B	A235	<a href="#">Picus viridis</a>			p				P	DD	D				
B	A266	<a href="#">Prunella modularis</a>			w				P	DD	D				
B	A250	<a href="#">Ptyonoprogne rupestris</a>			r				P	DD	D				
B	A372	<a href="#">Pyrrhula pyrrhula</a>			p				P	DD	D				
B	A318	<a href="#">Regulus ignicapillus</a>			w				P	DD	D				
M	1304	<a href="#">Rhinolophus ferrumequinum</a>			r				P	DD	D				
A	5367	<a href="#">Salamandrina perspicillata</a>			p				R	DD	C	B	C	B	
B	A276	<a href="#">Saxicola torquata</a>			r				P	DD	D				
B	A155	<a href="#">Scolopax rusticola</a>			c				P	DD	D				
B	A361	<a href="#">Serinus serinus</a>			r				P	DD	D				
B	A332	<a href="#">Sitta europaea</a>			p				P	DD	D				
A	6211	<a href="#">Speleomantes strinatii</a>			p				P	DD	C	C	C	C	
B	A209	<a href="#">Streptopelia decaocto</a>			p				P	DD	D				
B	A210	<a href="#">Streptopelia turtur</a>			r				P	DD	D				
B	A219	<a href="#">Strix aluco</a>			p				P	DD	D				
B	A351	<a href="#">Sturnus vulgaris</a>			r				P	DD	D				
B	A311	<a href="#">Sylvia atricapilla</a>			p				P	DD	D				
B	A309	<a href="#">Sylvia communis</a>			r				P	DD	D				
B	A306	<a href="#">Sylvia hortensis</a>			r				P	DD	C	B	C	C	
F	5331	<a href="#">Telestes muticellus</a>			p				P	DD	C	C	C	C	
B	A333	<a href="#">Tichodroma muraria</a>			c				P	DD	D				
B	A265	<a href="#">Troglodytes troglodytes</a>			p				P	DD	D				
B	A286	<a href="#">Turdus iliacus</a>			c				P	DD	D				
B	A283	<a href="#">Turdus merula</a>			p				P	DD	D				
B	A285	<a href="#">Turdus philomelos</a>			c				P	DD	D				
B	A284	<a href="#">Turdus pilaris</a>			c				P	DD	D				
B	A287	<a href="#">Turdus viscivorus</a>			c				P	DD	D				

- **Group:** A = Amphibians, B = Birds, F = Fish, I = Invertebrates, M = Mammals, P = Plants, R = Reptiles
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Type:** p = permanent, r = reproducing, c = concentration, w = wintering (for plant and non-migratory species use permanent)

- **Unit:** i = individuals, p = pairs or other units according to the Standard list of population units and codes in accordance with Article 12 and 17 reporting (see [reference portal](#))
- **Abundance categories (Cat.):** C = common, R = rare, V = very rare, P = present - to fill if data are deficient (DD) or in addition to population size information
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation); VP = 'Very poor' (use this category only, if not even a rough estimation of the population size can be made, in this case the fields for population size can remain empty, but the field "Abundance categories" has to be filled in)

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

Species					Population in the site				Motivation					
Group	CODE	Scientific Name	S	NP	Size		Unit	Cat.	Species Annex		Other categories			
					Min	Max		C R V P	IV	V	A	B	C	D
I		<a href="#">Adscita albanica</a>						P						X
I		<a href="#">Adscita alpina</a>						P				X		
I		<a href="#">Adscita subsolana</a>						P						X
I		<a href="#">Aglia tau</a>						R						X
P		<a href="#">Anacamptis pyramidalis</a>						R					X	
P		<a href="#">Anemone trifolia brevidentata</a>						R				X		
R		<a href="#">Anquis fragilis</a>						C					X	
P		<a href="#">Aquilegia atrata</a>						P						X
P		<a href="#">Arabis alpina</a>						V						X
I		<a href="#">Arethusana arethusana</a>						P						X
P		<a href="#">Asplenium fontanum</a>						V						X
I		<a href="#">Autographa bractea</a>						P						X
I		<a href="#">Avenionia ligustica</a>						P				X		
I		<a href="#">Brenthis hecate</a>						P						X
A		<a href="#">Bufo bufo</a>						C					X	
P		<a href="#">Campanula medium</a>						R				X		
I		<a href="#">Carterocephalus palaemon</a>						P						X
I		<a href="#">Catocala fraxini</a>						R						X
P		<a href="#">Cephalanthera longifolia</a>						R					X	
P		<a href="#">Cephalanthera rubra</a>						R					X	
I		<a href="#">Charpentieria itala punctata</a>						P						X
I		<a href="#">Chersotis cuprea</a>						P						X
I		<a href="#">Clausilia rugosa pinii</a>						P				X		
R	1284	<a href="#">Coluber viridiflavus</a>						C	X					
P		<a href="#">Colutea arborescens</a>						P						X
I		<a href="#">Coscinia striata</a>						P						X
P		<a href="#">Crocus ligusticus</a>						R				X		
I		<a href="#">Cucullia thapsiphaga</a>						P						X
B		<a href="#">Cyanistes caeruleus</a>						P						X
I		<a href="#">Cybosia mesomella</a>						P						X
I		<a href="#">Cymatophorima</a>						P						X
P		<a href="#">Daphne mezereum</a>						R						X









Sito di notevole interesse per il suo substrato di conglomerato oligoceno, con interessanti manifestazioni geomorfologiche (rocche, valloni incassati, ecc.). L'area, soprattutto dove il substrato è affiorante, è caratterizzata da " insularità geologica" che , insieme con differenti fattori microclimatici, condiziona peculiarmente la flora permettendo accostamenti inusuali fra piante a gravitazione mediterranea (prossime al limite del loro areale) e piante più propriamente europee. Nell'ambito di un'elevata biodiversità si riscontrano habitat e specie prioritari per la 92/43 CEE, numerose specie protette ai sensi di direttive/convenzioni internazionali e molteplici endemiti di rilievo.

#### 4.3 Threats, pressures and activities with impacts on the site

The most important impacts and activities with high effect on the site

Negative Impacts			
Rank	Threats and pressures [code]	Pollution (optional) [code]	inside/outside [i o b]
M	A02		-
M	A03.03		-
M	J02.01		-
M	F03		-
M	K02.01		-
M	J03		-
M	A04		-
M	A10.01		-
M	B02		-
M	I01		-
M	K04		-
M	F02		-
M	A05.01		-

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside /outside [i o b]

Rank: H = high, M = medium, L = low

Pollution: N = Nitrogen input, P = Phosphor/Phosphate input, A = Acid input/acidification,

T = toxic inorganic chemicals, O = toxic organic chemicals, X = Mixed pollutions

i = inside, o = outside, b = both

#### 4.4 Ownership (optional)

#### 4.5 Documentation

Insetti:- Cassulo L. - 1980 - Alcune interessanti catture di Lepidotteri nelle Alpi e negli Appennini Liguri (Rhopalocera et Zygaenidae). Boll. Soc. Ent. Ital., Genova, 112: (9-10): 186-188.- Cassulo L., Raineri V. - 1989 - Alcune interessanti raccolte di Eteroceri di Liguria. Boll. Soc. Ent. Ital., Genova, 121: (2): 127-136. Molluschi:- Boato A. - 1988 - Microevolution in Solatopupa landsnails (Pulmonata Chondrinidae): genetic diversity and founder effects. Biol. J. Linn. Soc., 34: 327-348. Geologia:- AA.VV. - 1971 - Carta geologica d'Italia 1:100.000 Foglio 83-94 Rapallo-Chiavari. Servizio Geologico d'Italia.- AA.VV. - 1994 - Appennino Ligure Emiliano. Guide geologiche regionali, 6: 381. - Marini M. -1981- Analisi geologico-strutturale ed interpretazione paleogeografica e tetto-genetica dei Calcari del M. Antola (Appennino ligure). Ofioliti, 6: 119-150. - Rovereto G. - 1939 - Liguria geologica. Mem. Soc. Geol. It., 2: 743.

### 5. SITE PROTECTION STATUS (optional)

#### 5.1 Designation types at national and regional level:

[Back to top](#)

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT11	60.0	IT04	80.0		

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

#### 5.3 Site designation (optional)

### 6. SITE MANAGEMENT

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

[Back to top](#)

Organisation:	ENTE PARCO DELL'ANTOLA
Address:	Villa Borzino - Via XXV Aprile, 17 - 16012 BUSALLA (GE)
Email:	busalla@parcoantola.it

## 6.2 Management Plan(s):

An actual management plan does exist:

- Yes
- No, but in preparation
- No

## 6.3 Conservation measures (optional)

## 7. MAP OF THE SITES

[Back to top](#)

INSPIRE ID:

Map delivered as PDF in electronic format (optional)

- Yes
- No

Reference(s) to the original map used for the digitalisation of the electronic boundaries (optional).

F. 462 / I F. 445 / III F. 444 / II F. 463 / III 1:25.000 Gauss-Boaga