METROPOLITANA DI GENOVA

COMUNE DI MIGNANEGO

PARCO EOLICO PASSO DELLA BOCCHETTA



ALLEGATO 4

Formulario standard

IT1180026

PROPONENTE

SEVA S.r.l. Società Benefit

Rue des Forges 5, 11013 Courmayeur (AO) - P.I. 00196480073

Sedi operative:

Corso Sempione 33, 20145 Milano – Tel. 02-34938076

Via San Lorenzo 21, 16123 Genova – Tel. 010-2518834

Data	*Rev.*	*Descrizione*	Elaborato	Approvato

NATURA 2000 - STANDARD DATA FORM

For Special Protection Areas (SPA),
Proposed Sites for Community Importance (pSCI),
Sites of Community Importance (SCI) and
for Special Areas of Conservation (SAC)

SITE	**IT1180026**
SITENAME	**Capanne di Marcarolo**

TABLE OF CONTENTS

- 1. SITE IDENTIFICATION
- 2. SITE LOCATION
- 3. ECOLOGICAL INFORMATION
- 4. SITE DESCRIPTION
- 5. SITE PROTECTION STATUS
- 6. SITE MANAGEMENT
- 7. MAP OF THE SITE

1. SITE IDENTIFICATION

Back to top

1.1 Type	1.2 Site code
C	IT1180026

1.3 Site name

Capanne di Marcarolo

1.4 First Compilation date	1.5 Update date
1995-12	2019-12

1.6 Respondent:

Name/Organisation:	Regione Piemonte - Direzione Ambiente, Governo e Tutela del territorio - Settore Biodiversità e Aree Naturali
Address:	Via Principe Amedeo, 17 - 10123 Torino
Email:	biodiversita@regione.piemonte.it

1.7 Site indication and designation / classification dates

Date site classified as SPA:	2006-10
National legal reference of SPA designation	D.G.R. n.76-2950 del 22/05/2006

Date site proposed as SCI:	1995-09
Date site confirmed as SCI:	No data
Date site designated as SAC:	2017-11
National legal reference of SAC designation:	DM 21/11/2017 - G.U. 283 del 04-12-2017

2. SITE LOCATION

Back to top

2.1 Site-centre location [decimal degrees]:

Longitude	Latitude
8.788926	44.565287

2.2 Area [ha]:	2.3 Marine area [%]
9549.0	0.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name

ITC1	Piemonte

2.6 Biogeographical Region(s)

Mediterranean (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
3140			0.5		G	C	C	B	B
3240			50.0		G	B	C	B	C
4030			477.6		G	A	C	A	A
5130			48.0		G	B	C	B	B
6130			0.1		G	C	B	B	C
6210			267.46		G	B	C	B	B
6410			0.3		G	C	B	A	B
6430			10.0		G	C	C	B	C
6510			100.0		G	A	C	A	B
7150			9.55		G	B	C	B	B
7210			0.5		G	C	C	B	C
7230			9.55		G	B	C	B	B
8130			50.0		G	C	C	A	C
8220			477.6		G	B	C	B	B
9110			162.38		G	B	C	B	B
9180			4.86		G	C	C	B	C
91E0			5.0		G	B	C	B	C
9210			191.04		G	B	C	C	B
9260			1681.15		G	C	C	C	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	Accipiter gentilis			p				P	DD	C	A	C	A
B	A079	Aegypius monachus			c				V	DD	D			
B	A247	Alauda arvensis			r				P	DD	C	B	C	B
B	A229	Alcedo atthis			p				P	DD	C	B	C	B
B	A110	Alectoris rufa			p				P	DD	C	B	B	C
B	A255	Anthus campestris			r	10	15	p		G	C	B	C	B
B	A091	Aquila chrysaetos			c	2	4	i		G	C	B	B	B
P	1474	Aquilegia bertolonii			p	160	160	i	R	G	A	A	C	A
B	A221	Asio otus			r				R	DD	C	B	C	C
I	1092	Austropotamobius pallipes			p				P	DD	C	A	C	B
M	1308	Barbastella barbastellus			p				P	DD	C	B	C	B
F	1138	Barbus meridionalis			p				P	DD	C	B	C	B
F	1137	Barbus plebejus			p				P	DD	C	B	C	B
B	A215	Bubo bubo			r				P	DD	C	B	C	C
B	A243	Calandrella brachydactyla			c				V	DD	D			
M	1352	Canis lupus			c				P	DD	C	C	B	C
B	A224	Caprimulgus europaeus			r	50	60	p		G	B	B	C	B

I	1088	Cerambyx cerdo			p				P	DD	C	B	C	B
B	A139	Charadrius morinellus			c	1	5	i		G	C	B	C	B
B	A030	Ciconia nigra			c	1	5	i		G	C	B	B	B
B	A080	Circaetus gallicus			r	2	4	p		G	B	B	C	B
B	A080	Circaetus gallicus			c	1	20	i		G	B	B	C	B
B	A081	Circus aeruginosus			c	100	200	i		G	C	B	B	B
B	A082	Circus cyaneus			w	1	2	i		G	C	B	B	B
B	A082	Circus cyaneus			c	5	10	i		G	C	B	B	B
B	A084	Circus pygargus			c	5	10	i		G	C	B	B	B
F	5304	Cobitis bilineata			p				P	DD	C	B	C	B
B	A231	Coracias garrulus			c				V	DD	D			
B	A026	Egretta garzetta			c				P	DD	D			
B	A379	Emberiza hortulana			r	1	5	p		G	C	A	C	B
I	1074	Eriogaster catax			p				P	DD	C	B	C	B
I	1065	Euphydryas aurinia	Yes		p				R	DD	B	A	B	A
I	6199	Euplagia quadripunctaria			p				P	DD	C	B	C	B
B	A098	Falco columbarius			c				V	DD	D			
B	A100	Falco eleonorae			c	1	1	i	V	G	C	B	B	B
B	A095	Falco naumanni			c	1	5	i		G	C	B	B	B
B	A103	Falco peregrinus			w	1	1	i		G	C	B	B	B
B	A103	Falco peregrinus			c	1	5	i		G	C	B	B	B
B	A099	Falco subbuteo			c				P	DD	C	B	B	C
B	A097	Falco vespertinus			c	1	5	i		G	C	B	B	B
P	4096	Gladiolus palustris			p				P	DD	C	B	C	B
B	A127	Grus grus			c				V	DD	D			
B	A078	Gyps fulvus			c	3	3	i		G	C	B	B	B
B	A092	Hieraaetus pennatus			c	1	2	i		G	C	B	B	B
B	A022	Ixobrychus minutus			c				P	DD	C	C	B	C
B	A233	Jynx torquilla			c				P	DD	C	B	B	C
B	A338	Lanius collurio			r	1	5	p		G	C	B	C	B
B	A339	Lanius minor			c	1	5	i		G	C	B	B	B
I	1083	Lucanus cervus			p				P	DD	C	B	C	B
B	A246	Lullula arborea			r	40	50	p		G	B	B	C	B
B	A073	Milvus migrans			c	50	100	i		G	B	B	C	B
B	A074	Milvus milvus			c	1	5	i		G	C	B	B	B
B	A280	Monticola saxatilis			r				P	DD	C	B	C	B
B	A319	Muscicapa striata			r				P	DD	C	B	C	B
M	1307	Myotis blythii			p				P	DD	C	B	C	B
M	1321	Myotis emarginatus			c				R	DD	C	B	C	B
M	1324	Myotis myotis			p				P	DD	C	B	C	B
B	A077	Neophron percnopterus			c	1	1	i		G	C	B	B	B
B	A023	Nycticorax nycticorax			c				P	DD	D			
I	1041	Oxygastra curtisii			p				P	DD	C	B	C	B
B	A094	Pandion haliaetus			c	1	5	i		G	C	B	B	B
B	A072	Pernis apivorus			r	5	5	p		G	C	A	C	B
B	A072	Pernis apivorus			c	800	1000	i		G	C	A	C	B
B	A274	Phoenicurus phoenicurus			r				P	DD	C	B	C	B
F	5962	Protochondrostoma genei			p				P	DD	C	B	C	B
M	1304	Rhinolophus ferrumequinum			r				P	DD	C	C	C	C
M	1304	Rhinolophus ferrumequinum			p	10	15	i		DD	C	C	C	C
M	1303	Rhinolophus hipposideros			p				P	DD	C	B	C	B
A	5367	Salamandrina perspicillata	Yes		p				V	DD	C	C	A	C
B	A155	Scolopax rusticola			c				P	DD	C	B	B	C
A	6211	Speleomantes strinatii			p				P	DD	C	A	C	A
B	A210	Streptopelia turtur			r				P	DD	C	B	C	B
B	A304	Sylvia cantillans			r				P	DD	C	B	B	B
B	A308	Sylvia curruca			c				P	DD	D			

B	A306	Sylvia hortensis			r				P	DD	C	B	B	B
B	A302	Sylvia undata			p				P	DD	C	B	B	B
F	5331	Telestes muticellus			p				P	DD	C	B	C	B
B	A333	Tichodroma muraria			w				P	DD	C	B	C	B
B	A166	Tringa glareola			c				P	DD	D			
B	A165	Tringa ochropus			c				P	DD	D			
A	1167	Triturus carnifex			p				P	DD	C	B	C	B
B	A213	Tyto alba			p				P	DD	C	B	B	B
B	A232	Upupa epops			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
F	5539	Alburnus alburnus						R					X		X
P		Allium suaveolens						P				X			
R	2432	Anguis fragilis						P						X	
M	5549	Apodemus flavicollis						P							X
I		Arethusana arethusa						P							X
I		Brintesia circe						P							X
A	2361	Bufo bufo						P						X	
I		Calosoma sycophanta						P						X	
M	2644	Capreolus capreolus						P						X	
I		Carabus italicus						P				X			
I		Carabus rossii						P				X			
I		Carabus solieri						P					X		
R	2437	Chalcides chalcides						P						X	
P		Cirsium tuberosum (L.) All.						P				X			
I		Clonopsisgallica						R							X
R	1284	Coluber viridiflavus						P						X	
R	1283	Coronella austriaca						P		X					
R	2452	Coronella girondica						P						X	
M	2591	Crocidura leucodon						P						X	
I		Cychrus italicus						P					X		
R	1281	Elaphe longissima						P		X					
M	2615	Eliomys quercinus						P						X	
B	A378	Emberiza cia						P						X	
I		Empusa pennata						V							X
M	1327	Eptesicus serotinus						P		X					
I		Erebia aethiops						P							X
P		Euphorbia hyberna L. ssp. insularis (Boiss.) Briq.						P				X			
P	1866	Galanthus nivalis						R			X				
P		Gentiana pneumonanthe L.						P				X			
M	2616	Glis glis						P						X	
I		Helix aspersa						P							X
R	5670	Hierophis viridiflavus						P		X					
I		Hipparchia fagi						P							X
M	5365	Hypsugo savii						P		X					

R	5179	Lacerta bilineata						C	X					
M	5690	Lepus europaeus						P					X	
M	1334	Lepus timidus						P		X				
M	2630	Martes foina						P					X	
M	2631	Meles meles						P					X	
I		Metaplastes pulchripennis						V						X
I		Mogoplistes brunneus						V						X
I		Molops medius						P						X
M	1341	Muscardinus avellanarius						P	X					
M	2634	Mustela nivalis						P					X	
M	1314	Myotis daubentoni						P	X					
M	1330	Myotis mystacinus						P	X					
M	1322	Myotis nattereri						P	X					
R	2467	Natrix maura						P					X	
R	2469	Natrix natrix						P					X	
R	1292	Natrix tessellata						P	X					
I		Nebria tibialis						P						X
M	2597	Neomys fodiens						P					X	
M	1331	Nyctalus leisleri						P	X					
M	1312	Nyctalus noctula						P	X					
F	5783	Perca fluviatilis						C			X			X
B	A235	Picus viridis						P					X	
M	2016	Pipistrellus kuhli						P	X					
M	1317	Pipistrellus nathusii						P	X					
M	1309	Pipistrellus pipistrellus						P	X					
M	5009	Pipistrellus pygmaeus						P	X					
M	1311	Pipistrellus savii						P	X					
M	1329	Plecotus austriacus						P	X					
R	1256	Podarcis muralis						P	X					
I		Pteronemobius lineolatus						V						X
A	1209	Rana dalmatina						P	X					
A	1206	Rana italica						R	X					
A	1213	Rana temporaria						P		X				
P		Rhynchospora alba (L.) Vahl						P			X			
P		Rosa jundzillii Besser						P			X			
P	1849	Ruscus aculeatus						P		X				
I	1050	Saga pedo						P	X					
A	2351	Salamandra salamandra						P					X	
P		Salix hegetschweileri Heer						P			X			
B	A276	Saxicola torquata						P					X	
M	2607	Sciurus vulgaris						P					X	
M	2599	Sorex araneus						P					X	
M	2601	Sorex minutus						P					X	
M	1333	Tadarida teniotis						P	X					
A	2353	Triturus alpestris						P					X	
P		Tulipa australis Link						P			X			
P		Viola bertolonii Pio emend. Merxm. et Lippert						P			X			
R	2471	Vipera aspis						P					X	
I	1053	Zerynthia polyxena						P	X					

- **Group:** A = Amphibians, B = Birds, F = Fish, Fu = Fungi, I = Invertebrates, L = Lichens, M = Mammals, P = Plants, R = Reptiles
- **CODE:** for Birds, Annex IV and V species the code as provided in the reference portal should be used in addition to the scientific name
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Unit:** i = individuals, p = pairs or other units according to the standard list of population units and codes in accordance with Article 12 and 17 reporting, (see reference portal)
- **Cat.:** Abundance categories: C = common, R = rare, V = very rare, P = present
- **Motivation categories: IV, V:** Annex Species (Habitats Directive), **A:** National Red List data; **B:** Endemics; **C:** International Conventions; **D:** other reasons

4. SITE DESCRIPTION

Back to top

4.1 General site character

Habitat class	% Cover
N17	1.0
N19	1.0
N10	3.0
N08	5.0
N15	1.0
N23	1.0
N06	1.0
N11	15.0
N22	2.0
N20	12.0
N16	58.0
Total Habitat Cover	100

Other Site Characteristics

Vasta area scarsamente antropizzata e prevalentemente boscosa (cedui a prevalenza di rovere e castagno) dell'appennino ligure-piemontese; presenti anche ambienti umidi e praterie montane (in parte ancora sfalciate) con estesi affioramenti rocciosi.

4.2 Quality and importance

Presenti le stazioni di Erica arborea più estese del Piemonte, accanto ad altrespecie botaniche prioritarie; elementi faunistici e floristici tipicamenteappenninici; notevole importanza per l'avifauna, come area interessata da intensoflusso migratorio pre-riproduttivo di rapaci, in prevalenza.

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]
H	A04.03		b
M	H01		b
M	J03		b
L	A07		i
L	K03		b
L	A06.01.02		i
M	A04.01.03		i
M	F04		i
M	A03.03		b
H	D01.04		b
H	G01.03		i
M	B06		b
M	J02.11.01		b
M	F03.02		b
L	A08		i
M	J02.06		b
H	I01		b
M	F04.02		b
M	H01.03		b
L	G05.09		b
H	J02		b
M	B02		b
L	G01.04.02		i
M	J02.03		b

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside /outside [i|o|b]
H	B03		i
H	A03.02		i
H	A04.02		i

Rank: H = high, M = medium, L = low
Pollution: N = Nitrogen input, P = Phosphor/Phosphate input, A = Acid input/acidification,
T = toxic inorganic chemicals, O = toxic organic chemicals, X = Mixed pollutions
i = inside, o = outside, b = both

4.4 Ownership (optional)

Type		[%]
Public	National/Federal	0
	State/Province	0
	Local/Municipal	0
	Any Public	38
Joint or Co-Ownership		0
Private		50
Unknown		12
sum		100

4.5 Documentation

Arillo A., Balletto E., Cagnolaro L., Orsion F., 1975 - Proposte di RiserveNaturali in Liguria. Individuazione delle aree di maggiore interesse faunistico evegetazionale. Atti 5° Simp. Naz. Cons. Nat. Bari;Abbà G., 1977 - La flora delterritorio alla sinistra del Tanaro tra Bra e Asti e tra Alba e Pralormo.Allionia. Torino;

Abbà G., 1980 - Contributo alla flora dell'Appenino piemontese.Riv. Piem. St. Nat., 1: 17-68;Abbà G., 1986 - Contributo alla conoscenza dellaflora dell'Appennino piemontese orientale. Boll. Museo Reg. St. Nat.;Boano G.,Sindaco R., 1992 - Distribuzione e status di Rana latastei in Piemonte. Quad.Civ. Staz. Idrobiol.; Carrega M., Silla D., 1995 - Ricerche floristiche nel Novesee nel Tortonese (Provincia di Alessandria, Piemonte Sud Orientale). Parte I.Lycopodiaceae - Araliaceae. Riv. Piem. St. Nat., 16: 17-86;Carregà M., 1983 - Leorchidee di un settore della provincia di Alessandria. Riv. Piem. St. Nat., 4:207-210;GPSO, 1982 /1995 - Resoconto ornitologico per la Regione Piemonte - Valled'Aosta. Riv. Piem. St. Nat. N° 3, 4, 5, 6, 7,8,9,11,12,13,14,15;Hofmann A.,1960 - Note preliminari su una associazione del Pino marittimo. L'Italiaforestale e montana. Firenze;I.P.L.A., 1985 - Piano Naturalistico del ParcoNaturale Capanne di Marcarolo. Regione Piemonte. Assessorato Programmazioneeconomica e Pianificazione territoriale. Servizio Parchi naturali. (redatto);Mingozzi T., Boano G., Pulcher C. e collab., 1980 ? 1984 - Atlante degli uccellinidificanti in Piemonte e Val d'Aosta. Mus. Reg. Scienze Nat. (Monografie VIII)Torino; Oberdorfer E., Hofmann A., 1967 - Beitrag zur Kenntnis der Vegetation desNordapennin. Beitr. naturl. Forsch. Sudiv. Dtl. Karlsruhe; Regione Piemonte -Assessorato Caccia e Pesca, 1991 - Carta ittica relativa al territorio dellaregione piemontese;Sindaco R., Baratti N., Boano G., 1992 - I Chirotteri delPiemonte e della Val d'Aosta. Hystrix

5. SITE PROTECTION STATUS (optional)

Back to top

5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT13	99.0	IT04	87.0	IT31	14.0

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT41	IT1331578 - Beigua - Turchino	/	0.06
IT42	IT1331578 - Beigua - Turchino	/	0.06
IT31	Capanne di Marcarolo	+	11.0
IT31	Piota	+	3.0
IT04	Capanne di Marcarolo	+	87.0

5.3 Site designation (optional)

6. SITE MANAGEMENT

Back to top

6.1 Body(ies) responsible for the site management:

Organisation:	Ente di gestione delle aree protette dell’Appennino piemontese
Address:	Fraz. Capanne di Marcarolo – Via Umberto I 23a – 15060 Bosio AL
Email:	parco.marcarolo@reteunitaria.piemonte.it

6.2 Management Plan(s):

An actual management plan does exist:

- [X] Yes — Name: Piano d'area del Parco
  Link: http://www.parcocapanne.it/index.php?option=com_content&view=section&id=29&Itemid=188
- [ ] No, but in preparation
- [ ] No

6.3 Conservation measures (optional)

- Misure di conservazione per la tutela della Rete Natura 2000 del Piemonte - approvate con D.G.R. n. 54-7409 del 7/4/2014, e successive modifiche- Misure di conservazione sito-specifiche approvate con D.G.R. n. 6-6745 del 9/3/2017

7. MAP OF THE SITES

Back to top

INSPIRE ID:

Map delivered as PDF in electronic format (optional)

- [X] Yes
- [ ] No

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

195, 213 1:10000 Gauss-Boaga --- CTR Piemonte 1:10.000 (Fuso 32 – sistema di riferimento UTM WGS84) – Sezioni: 195130, 195140, 195150, 213010, 213020, 213030, 213060, 213100