

RAZIONALIZZAZIONE RETE 220 KV DELLA VAL FORMAZZA

ALLEGATO 1
Formulari standard dei Siti Natura 2000
(invio alla Commissione Europea dicembre 2020)



Nicola Ricciardini



Pietro Ricciardini

REVISIONI					
	00	Novembre 2021	Prima emissione	V. De Santis SVP-ATS-SA	E. Marchegiani SVP-ATS-SA
	N.	DATA	DESCRIZIONE	ESAMINATO	ACCETTATO


NUMERO E DATA ORDINE: 3000063730 del 20/02/2018

MOTIVO DELL'INVIO: PER ACCETTAZIONE PER INFORMAZIONE

CODIFICA ELABORATO

RGAR10019B2298568



Elaborato	Verificato		Approvato
 <p>GEOTECH S.r.l. SOCIETA' DI INGEGNERIA Via Nani, 7 Morbegno (SO) Tel 0342 610774 Fax 0342 1971501 E-mail: info@geotech-srl.it Sito: www.geotech-srl.it</p>	<p>V. De Santis SVP-ATS-SA</p>		<p>E. Marchegiani SVP-ATS-SA</p>



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 IT1140021
SITENAME Val Formazza

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1. SITE IDENTIFICATION

1.1 Type A	1.2 Site code IT1140021	Back to top
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1.3 Site name

Val Formazza

1.4 First Compilation date 2007-07	1.5 Update date 2019-12
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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:	2007-02
National legal reference of SPA designation	D.G.R. n.3-5405 del 28/02/2007

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude 8.379536 **Latitude** 46.243741

2.2 Area [ha]: 22223.0 **2.3 Marine area [%]** 0.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code ITC1	Region Name Piemonte
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2.6 Biogeographical Region(s)

Alpine (100.0%)

3. ECOLOGICAL INFORMATION

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
3220			66.67		P	A	C	A	A
4060			488.91		P	B	C	B	B
4080			88.89		P	B	C	B	B
6170			1111.15		P	A	C	A	A
6230			222.23		P	A	C	A	A
6430			222.23		P	B	C	A	A
7140			22.22		P	A	C	B	A
7230			22.22		P	A	C	B	A
8110			2222.3		P	A	C	A	A
8120			2222.3		P	A	C	A	A
8220			666.69		P	A	C	A	A
8240			888.92		P	C	C	A	C
8310			22.22		P	C	C	A	C
9110			711.14		P	B	C	B	B
9130			22.22		P	C	C	B	B
9180			22.22		P	B	C	B	B
91E0			22.22		P	D			
9260			133.34		P	D			
9410			1777.84		P	A	C	B	A
9420			2755.65		P	B	C	B	B

- **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	A247	Alauda arvensis			r	1	5	p		G	C	C	C	C
B	A053	Anas platyrhynchos			c				P	DD	C	B	C	C
B	A256	Anthus trivialis			c				P	DD	C	B	C	B
B	A256	Anthus trivialis			r				P	DD	C	B	C	B
B	A226	Apus apus			c				C	DD	C	C	C	C
B	A228	Apus melba			r	1	5	p		G	C	C	C	C
B	A228	Apus melba			c	6	20	i		G	C	C	C	C
B	A091	Aquila chrysaetos			p	5	5	p		G	C	A	C	B
B	A091	Aquila chrysaetos			c	5	5	i		G	C	A	C	B
B	A215	Bubo bubo			p	1	1	i		G	C	C	C	C
M	1352	Canis lupus			p	1	2	i		G	D			
B	A080	Circaetus gallicus			r	1	1	p		G	D			
B	A081	Circus aeruginosus			c	101	250	i		G	C	C	C	C
F	1163	Cottus gobio			p				P	DD	C	B	C	B
B	A212	Cuculus canorus			c				C	DD	C	C	C	B
B	A212	Cuculus canorus			r				P	DD	C	C	C	B
B	A253	Delichon urbica			r				P	DD	C	B	C	B
B	A253	Delichon urbica			c				P	DD	C	B	C	B
B	A236	Dryocopus martius			p				P	DD	C	B	C	B
I	1065	Euphrydas aurinia			p				P	DD	C	B	C	B
B	A103	Falco peregrinus			r	4	5	p		G	C	C	C	C
B	A342	Garrulus glandarius			p				P	DD	C	B	C	B
B	A217	Glaucidium passerinum			p				P	DD	C	B	C	B

B	A127	Grus grus			c	11	50	i		G	C	C	C	C
B	A251	Hirundo rustica			c	1001	10000	i		G	C	C	C	C
B	A233	Jynx torquilla			p				P	DD	C	B	C	B
B	A408	Lagopus mutus helveticus			p	11	50	i		G	C	C	C	C
B	A338	Lanius collurio			p				P	DD	C	B	C	B
B	A179	Larus ridibundus			p	1	5	i		G	C	C	C	B
M	1361	Lynx lynx			p	2	2	i		G	D			
B	A073	Milvus migrans			c	11	50	i		G	C	C	C	C
B	A280	Monticola saxatilis			r	6	10	p		G	C	B	C	B
B	A277	Oenanthe oenanthe			r				C	DD	C	C	C	A
B	A277	Oenanthe oenanthe			c				C	DD	C	C	C	A
B	A274	Phoenicurus phoenicurus			r				P	DD	C	B	C	B
B	A274	Phoenicurus phoenicurus			c				P	DD	C	B	C	B
B	A313	Phylloscopus bonelli			p				P	DD	C	B	C	B
B	A314	Phylloscopus sibilatrix			p				P	DD	C	B	C	B
B	A346	Pyrrhocorax pyrrhocorax			p	1	1	i		G	C	C	B	C
B	A249	Riparia riparia			c	1	5	i		G	C	C	C	C
F	1107	Salmo marmoratus			p				P	DD	C	B	C	B
B	A275	Saxicola rubetra			r				C	DD	C	C	C	A
B	A275	Saxicola rubetra			c				C	DD	C	C	C	A
B	A310	Sylvia borin			c				P	DD	C	B	C	B
B	A310	Sylvia borin			r				P	DD	C	B	C	B
B	A309	Sylvia communis			p				P	DD	C	B	C	B
B	A308	Sylvia curruca			c				P	DD	C	B	C	B
B	A308	Sylvia curruca			r				P	DD	C	B	C	B
B	A409	Tetrao tetrix tetrix			p	10	50	males		M	C	C	C	C
B	A165	Tringa ochropus			c				P	DD	C	C	C	B
B	A283	Turdus merula			r				P	DD	C	B	C	B
B	A285	Turdus philomelos			r				P	DD	C	B	C	B
B	A287	Turdus viscivorus			r				P	DD	C	B	C	B
B	A142	Vanellus vanellus			r				P	DD	C	B	C	B

- **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
B	A086	Accipiter nisus						P					X	
B	A168	Actitis hypoleucos			6	10	i						X	
B	A324	Aegithalos caudatus						P					X	
I	1930	Agriades glandon						P						X
P		Androsace vandellii						P			X			
B	A259	Anthus spinoletta						P					X	
P	1480	Aquilegia alpina						P	X					
B	A028	Ardea cinerea						P					X	
P	1762	Arnica montana						C		X				
P	1764	Artemisia genipi						P		X				
B	A221	Asio otus			1	5	i						X	
I		Boloria napaea						P						X
B	A087	Buteo buteo						P					X	
M	1375	Capra ibex						P		X				

M	2644	Capreolus capreolus						P						X	
B	A366	Carduelis cannabina						P						X	
B	A368	Carduelis flammea						P						X	
P		Carex pauciflora						P			X				
M	2645	Cervus elaphus						P						X	
B	A264	Cinclus cinclus		1	5		i							X	
I		Colias palaeno						P			X				
I		Colias phicomone						P							X
B	A350	Corvus corax												X	
P		Draba hoppeana Rchb.						P							X
B	A378	Emberiza cia						P						X	
B	A376	Emberiza citrinella						P						X	
I		Erebia epiphron						P							X
I		Erebia gorge						P							X
B	A269	Erithacus rubecula						P						X	
I		Euphydryas cynthia						P							X
B	A096	Falco tinnunculus		1	5		i							X	
B	A359	Fringilla coelebs						P						X	
M	5365	Hypsugo savii						P	X						
P		Kobresia simpliciuscula (Wahlenb.) Mack.						P							X
P		Leontopodium alpinum						P			X				
B	A369	Loxia curvirostra						P						X	
I		Lycaeides idas						P							X
P	5104	Lycopodium annotinum						P		X					
I		Maculinea arion						P	X						
M	2606	Marmota marmota						P						X	
P		Molopospermum peloponnesiacum (L.) Koch						P							X
B	A358	Montifringilla nivalis		51	100		i							X	
B	A262	Motacilla alba						P						X	
B	A261	Motacilla cinerea						P						X	
M	2632	Mustela erminea						P						X	
M	1320	Myotis brandtii						P	X						
M	1322	Myotis nattereri						P	X						
I		Parnassius phoebus						P			X				
B	A327	Parus cristatus						P						X	
B	A017	Phalacrocorax carbo		501	1000		i							X	
B	A273	Phoenicurus ochrurus						P						X	
B	A315	Phylloscopus collybita						P						X	
P		Phyteuma humile						P			X				
M	1309	Pipistrellus pipistrellus						P	X						
P		Potamogeton filiformis						P			X				
B	A267	Prunella collaris						P						X	
B	A266	Prunella modularis		51	100		i							X	
B	A250	Ptyonoprogne rupestris						P						X	
B	A345	Pyrrhocorax graculus		11	50		i							X	
B	A372	Pyrrhula pyrrhula						P						X	
A	1213	Rana temporaria						P		X					
B	A318	Regulus ignicapillus						P						X	
B	A317	Regulus regulus						P						X	
M	1369	Rupicapra rupicapra						P		X					
F	6262	Salmo trutta trutta						P			X				
P		Saponaria lutea						P			X				
B	A362	Serinus citrinella						P						X	
P		Sparganium angustifolium						P			X				
B	A311	Sylvia atricapilla						P						X	
B	A333	Tichodroma muraria		11	50		i							X	
P		Tofieldia pusilla (Michx.) Pers.						P			X				

Public	State/Province	0
	Local/Municipal	0
	Any Public	97
Joint or Co-Ownership		0
Private		3
Unknown		0
sum		100

4.5 Documentation

Andreone F. & Sindaco R. (Eds), 1999 - Erpetologia del Piemonte e della Valle d'Aosta. Atlante degli Anfibi e dei Rettili. (Monografie XXVI) (1998) Mus. Reg. Scienze Nat., Torino.//Antonietti A., 2002 - Primo contributo alla conoscenza della Flora delle Valli Ossolane. 64. Folge, Fortschritte in der Floristik der Schweizer Flora. Botanica Helvetica. Vol. 112/2: 173-200. //Becherer A., 1928. Botanische Beobachtungen im Val Formazza. Ber. Schweiz. Bot. Ges., 37: 1- 8.//Bionda R., Casale F. e Pompilio L., 2002 - Check?List dei vertebrati del Verbano Cusio Ossola aggiornata al dicembre 2001. Quad. Nat. Paes. VCO, 1, Provincia del VCO, Verbania.//Bionda R. e Bordignon L., 2006 - Atlante degli uccelli nidificanti nella provincia del Verbano Cusio Ossola. Quad. Nat. Paes. VCO, 6. Provincia del VCO, Verbania. //Cavani R., Sartori F., Zucchetti R., 1988 - Giardino riserva alpino dell'alta Val Formazza. In: Tomaselli R., Filipello S., Giardino riserva alpino. ISAI, Domodossola, pp. 31-70.//Filipello S., Gentile S., 1973 - Prime note sulla vegetazione dei piani carsici nell'alto bacino orientale del Toggia (alta valle Formazza). Novara, 29 (4/5): 50-56.//Gardini Peccenini S. et al., 1985 - Florula della zona carsica della Val Toggia (Alpi Lepontine). Atti Ist. Bot. Lab. Crittog. Univ. Pavia, ser. 7, 4: 55-71.//Gardini Peccenini S., 1983 - Note sulla flora della Val Formazza. Atti Ist. Bot. Lab. Crittog. Univ. Pavia, ser. 7, 2: 151-152. //Ianner G., 1999 - I popolamenti ad *Alnus viridis* (Chaix) in Val Formazza (Piemonte settentrionale), Tesi di Laurea in Sc. Naturali, Università La Sapienza di Roma. //Lambertini et al., 1990. IBA Italia. LIPU Parma. Casale F., Gallo Orsi U., Rizzi V., 2000. Italy. In : Heath M.F., Evans M., 2000. Important bird areas in Europe. Volume 2. Cambridge, UK: BirdLife International (Bird Life Conservation Series numero 8).//Leigheb G., 1976 - Contributo allo studio delle *Erebia* alpine italiane: I. - *Erebia christi* Raetzer (Lepidoptera Satyridae), specie nuova per l'Italia. II. - *Erebia flavofasciata* Heyne (Lepidoptera Satyridae): morfologia, eto-ecologia, corologia. Redia, 59: 331-353. //Meriggi A., Pompilio L., Borgo A., Durio P., Perrone A., D'Andrea L., (Red), 1999 - Piano faunistico-venatorio provinciale. Provincia del Verbano Cusio Ossola. Settore Tutela faunistica, Agricoltura, Montagna e Parchi. (Rel. tec. non pubbl.) //Mingozzi T., Boano G., Pulcher C. e coll., 1988 - Atlante degli uccelli nidificanti in Piemonte e Valle d'Aosta 1980- 1984. (Monografie VII) Mus. Reg. Scienze Nat., Torino. //Pistarino A., Forneris G., Fossa V., 1999 - Le collezioni di Giacinto Abbà. Catalogo e note critiche delle raccolte botaniche in Piemonte (1956 ? 1998). (Cataloghi XII) Mus. Reg. Scienze Nat., Torino. //Pompilio L., 1999 - Risultati dei censimenti primaverili ed estivi di Fagiano di monte, Coturnice, Pernice bianca e Lepre bianca ed impostazione dei piani di prelievo nel CA VCO2 ? Ossola Nord. Anno 1999. Comprensorio alpino VCO 2 ? Ossola Nord. Maserà (VB), pp. 37. //Pompilio L., 2000 - Risultati dei censimenti primaverili ed estivi di Fagiano di monte, Coturnice, Pernice bianca e Lepre bianca ed impostazione dei piani di prelievo nel CA VCO2 ? Ossola Nord. Anno 1999. Comprensorio alpino VCO 2 ? Ossola Nord. Maserà (VB), pp. 39. //Pompilio L., 2001 - Risultati dei censimenti primaverili ed estivi di Fagiano di monte, Coturnice, Pernice bianca e Lepre bianca ed impostazione dei piani di prelievo nel CA VCO2 ? Ossola Nord. Anno 1999. Comprensorio alpino VCO 2 ? Ossola Nord. Maserà (VB), pp. 34. //Provincia VCO, Assessorato Ambiente, 2000 - Censimento Biotopi Provincia VCO. Verbania.//Provincia del VCO e Università di Pavia ? DET, 2003 - Progetto Biodiversità. Aree di importanza naturalistica del Verbano Cusio Ossola. Provincia del VCO, Verbania. (Rel. tec. non pubbl.) //Ramella A., 2003 - Le farfalle diurne del Verbano Cusio Ossola. Quad. Nat. Paes. VCO, 2. Provincia del VCO, Verbania.//Silvestri P., 1973 - Contributo per lo studio dei fenomeni carsici nella zona dei Laghi Boden. Laboratorio Ricerche Domodossola. Mem. 1, suppl. Illustrazione Ossolana, Domodossola. //Silvestri P., 1973 - Proposta di un giardino per lo studio della flora e della vegetazione alpina. Novara, 29 (9): 7-31.// Bionda 2002. Censimento di Aquila reale nella provincia del VCO. Avocetta

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT35	36.0	IT31	4.0	IT95	22.0
IT07	27.0	IT41	26.0	IT13	100.0

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT35	Galassini	*	36.0
IT07	Oasi di protezione Montecrestese Valle Vigezzo	*	5.0
IT07	Oasi di protezione Santa Marita Maggiore	/	1.0
IT95	Val Formazza	+	22.0
IT07	Oasi di protezione Formazza	*	17.0
IT31	Stavello	+	1.0
IT42	IT1140016 - Alpi Veglia e Devero - Monte Give	/	5.0
IT13	Vincolo idrogeologico	*	36.0
IT31	Val Isorno	+	3.0
IT41	IT1140016 - Alpi Veglia e Devero - Monte Give	/	5.0
IT07	Oasi di protezione Montecrestese	*	5.0
IT41	IT1140004 - Alta Val Formazza	+	26.0
IT07	Oasi di protezione Bagni di Craveggia	/	1.0
IT04	Parco Naturale dell'Alpe Veglia e dell'Alpe Devero	/	2.0

5.3 Site designation (optional)

Area designata come SIC "Rifugio Maria Luisa (Val Formazza)". Rientra in toto nell'IBA IT001 "Media Val Dossola (Val Antigorio)" (Lambertini et al., 1990), successivamente classificata IT004 "Valle Formazza e Valle Atigorio" (Casale et al., 2000). Comprende i due biotopi provinciali "Laghi Boden" e "Giardino Riserva Alpina del Lago Kastel" (Provincia VCO, 2000). Il 49% del sito ricade nel Galassino "Zona carsica del Kastel". Include tre geotipi provinciale (vedi punto 5.2).

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

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Organisation:	Provincia del Verbano Cusio Ossola – Servizio Pianificazione Territoriale e Infrastrutture
Address:	Via dell'Industria, 25 – 28924 Verbania
Email:	protocollo@cert.provincia.verbania.it

6.2 Management Plan(s):

An actual management plan does exist:

<input type="checkbox"/> Yes
<input checked="" type="checkbox"/> No, but in preparation
<input type="checkbox"/> 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-

7. MAP OF THE SITES

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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).

019, 020, 035, 036, 052 1:10000 UTM 32N ED50 --- CTR Piemonte 1:10.000 (Fuso 32 – sistema di riferimento UTM WGS84) – Sezioni:020090, 020100, 019160, 020130, 020140, 035040, 036010, 036020, 036050, 036060, 036090, 036100, 035160, 036130, 036140, 05040, 052010 e 052020



NATURA 2000 - STANDARD DATA FORM

For Special Protection Areas (SPA),
Proposed Sites for Community Importance (pSCI),
Sites of Community Importance (SCI) and
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SITE IT1140004
SITENAME Alta Val Formazza

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IT1140004	Back to top
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1.3 Site name

Alta Val Formazza

1.4 First Compilation date 1995-09	1.5 Update date 2019-12
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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:	0000-00
National legal reference of SPA designation	No data
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

2.1 Site-centre location [decimal degrees]:

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Longitude 8.436389 **Latitude** 46.403611

2.2 Area [ha]: 5744.0 **2.3 Marine area [%]:** 0.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name
--------------------------	--------------------

2.6 Biogeographical Region(s)

Alpine (100.0
%)

3. ECOLOGICAL INFORMATION

3.1 Habitat types present on the site and assessment for them

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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
3220			3.5		G	A	C	A	A
4060			245.0		G	B	C	B	B
4080			74.67		G	B	C	B	B
6150			358.0		G	B	C	B	B
6170			895.0		G	A	C	A	A
6230			619.0		G	A	C	A	A
6430			97.6		G	B	C	A	A
6520			20.2		G	B	C	B	B
7110			0.01		M	C	C	B	C
7140			5.74		M	A	C	B	A
7230			5.74		M	A	C	B	A
8110			1544.0		G	A	C	A	A
8120			693.0		G	A	C	A	A
8210			290.0		P	D			
8220			407.82		M	A	C	A	A
8240			137.23		P	D			
8310			5.74		M	C	C	A	C
8340			30.0		G	B	C	C	C
9180			2.1		P	D			
9410			421.0		G	B	C	B	B
9420			495.0		G	B	C	B	B

- **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	A247	Alauda arvensis			r	1	5	p		G	C	C	C	C
B	A412	Alectoris graeca saxatilis			p				P	DD	C	B	C	B
B	A053	Anas platyrhynchos			c				P	DD	C	B	C	C
B	A256	Anthus trivialis			r				P	DD	C	B	C	B
B	A256	Anthus trivialis			c				P	DD	C	B	C	B
B	A226	Apus apus			c				C	DD	C	C	C	C
B	A228	Apus melba			r	1	5	p		G	C	C	C	C
B	A228	Apus melba			c	6	20	i		G	C	C	C	C
B	A091	Aquila chrysaetos			p	1	1	i		G	C	A	C	B
B	A091	Aquila chrysaetos			c	5	5	i		G	C	A	C	B
B	A215	Bubo bubo			p	1	1	i		G	C	C	C	C
M	1352	Canis lupus			p				R	DD	D			
B	A081	Circus aeruginosus			c	101	250	i		G	C	C	C	C
B	A212	Cuculus canorus			r				P	DD	C	C	C	B
B	A212	Cuculus canorus			c				C	DD	C	C	C	B

B	A253	Delichon urbica			c				P	DD	C	B	C	B
B	A253	Delichon urbica			r				P	DD	C	B	C	B
I	1065	Euphydryas aurinia			p				P	DD	C	B	C	B
B	A103	Falco peregrinus			p	1	1	i		G	C	C	C	C
B	A127	Grus grus			c	11	50	i		G	C	C	C	C
B	A251	Hirundo rustica			c	1001	10000	i		G	C	C	C	C
B	A408	Lagopus mutus helveticus			p	11	50	i		G	C	C	C	C
B	A179	Larus ridibundus			p	1	5	i		G	C	C	C	B
M	1361	Lynx lynx			p	2	2	i		G	D			
B	A073	Milvus migrans			c	11	50	i		G	C	C	C	C
B	A280	Monticola saxatilis			r	6	10	p		G	C	B	C	B
B	A277	Oenanthe oenanthe			r				C	DD	C	C	C	A
B	A277	Oenanthe oenanthe			c				C	DD	C	C	C	A
B	A274	Phoenicurus phoenicurus			c				P	DD	C	B	C	B
B	A274	Phoenicurus phoenicurus			r				P	DD	C	B	C	B
B	A346	Pyrrhocorax pyrrhocorax			p	1	1	i		G	C	C	B	C
B	A249	Riparia riparia			c	1	5	i		G	C	C	C	C
B	A275	Saxicola rubetra			c				C	DD	C	C	C	A
B	A275	Saxicola rubetra			r				C	DD	C	C	C	A
B	A310	Sylvia borin			r				P	DD	C	B	C	B
B	A310	Sylvia borin			c				P	DD	C	B	C	B
B	A308	Sylvia curruca			r				P	DD	C	B	C	B
B	A308	Sylvia curruca			c				P	DD	C	B	C	B
B	A409	Tetrao tetrix tetrix			p	1	5	i		G	C	C	C	C
B	A165	Tringa ochropus			c				P	DD	C	C	C	B
B	A283	Turdus merula			r				P	DD	C	B	C	B
B	A285	Turdus philomelos			r				P	DD	C	B	C	B
B	A287	Turdus viscivorus			r				P	DD	C	B	C	B
B	A142	Vanellus vanellus			r				P	DD	C	B	C	B

- **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
B	A086	Accipiter nisus						P					X	
B	A168	Actitis hypoleucos			6	10	i						X	
I	1930	Agriades glandon						P						X
B	A259	Anthus spinoletta						P					X	
P	1480	Aquilegia alpina						P	X					
P	1762	Arnica montana						C		X				
P	1764	Artemisia genipi						P		X				
B	A221	Asio otus			1	5	i						X	
I		Boloria napaea						P						X
B	A087	Buteo buteo						P					X	
B	A366	Carduelis cannabina						P					X	
B	A368	Carduelis flammea						P					X	
P		Carex irrigua						P			X			
P		Carex pauciflora Lightf.						P			X			
B	A264	Cinclus cinclus			1	5	i						X	
P	1378	Cladonia spp.						P		X				

N17	12.0
Total Habitat Cover	100

Other Site Characteristics

Ambiente alto alpino con presenza di rodoreti, pascoli e ambienti rupicoli; presenti ambienti umidi sia di acque correnti che ferme.

4.2 Quality and importance

Area ad elevata eterogeneità geologica, alla quale corrisponde una notevole varietà floristico-vegetazionale con torbiere, brughiere ad arbusti contorti e praterie alpine. Importante luogo di transito per l'avifauna migratoria e per la lepidoterofauna. Gli habitat di interesse comunitario godono di un eccellente stato di conservazione.

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	G01.02		i
M	G01.06		i
H	F03.02.01		i
L	G05.01		i
H	D02.01		b
M	J02.05		b
M	A04.01		b
H	F03.01		i
L	D01.01		i
L	E01.03		i
M	G01.03		i
L	K01.01		i
M	G01.08		b
M	D01.02		i

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

Type	[%]	
Public	National/Federal	0
	State/Province	0
	Local/Municipal	0
	Any Public	76
Joint or Co-Ownership	0	
Private	24	
Unknown	0	
sum	100	

4.5 Documentation

Andreone F. & Sindaco R. (Eds), 1999 - Erpetologia del Piemonte e della Valle d'Aosta. Atlante degli Anfibi e dei Rettili. (Monografie XXVI) (1998) Mus. Reg. Scienze Nat., Torino. // Antonietti A., 2002 - Primo contributo alla conoscenza della Flora delle Valli Ossolane. 64. Folge, Fortschritte in der Floristik der Schweizer Flora. Botanica Helvetica. Vol. 112/2: 173-200. // Becherer A., 1928. Botanische Beobachtungen im Val Formazza. Ber. Schweiz. Bot. Ges., 37: 1-8. // Bionda R., Casale F. e Pompilio L., 2002 - Checklist dei vertebrati del Verbano Cusio Ossola aggiornata al dicembre 2001. Quad. Nat. Paes. VCO, 1, Provincia del VCO, Verbania. // Bionda R. e Bordignon L., 2005 - Atlante degli uccelli nidificanti nella provincia del Verbano Cusio Ossola. // Cavani R., Sartori F., Zucchetti R., 1988 - Giardino riserva alpino dell'alta Val Formazza. In: Tomaselli R., Filipello S., Giardino riserva alpino. ISAI, Domodossola, pp. 31-70. // Filipello S., Gentile S., 1973 - Prime note sulla vegetazione dei pianicarsici nell'alto bacino orientale del Toggia (alta valle Formazza). Novara, 29(4/5): 50-56. // Gardini Peccenini S. et al., 1985 - Flora della zona carsica della Val Toggia (Alpi Lepontine). Atti Ist. Bot. Lab. Crittog. Univ. Pavia, ser. 7, 2: 151-152. // Lanner G., 1999 - I popolamenti ad *Alnus viridis* (Chaix) in Val Formazza (Piemonte settentrionale), Tesi di Laurea in Sc. Naturali, Università La Sapienza di Roma. // Lambertini et al., 1990. IBA Italia. LIPU Parma. Casale F., Gallo Orsi U., Rizzi V., 2000. Italy. In: Heath M.F., Evans M., 2000. Important bird areas in Europe. Volume 2. Cambridge, UK: BirdLife International (Bird Life Conservation Series numero 8). // Leigheb G., 1976 - Contributo allo studio delle *Erebia* alpine italiane: I. - *Erebia christi* Raetzer (Lepidoptera Satyridae), specie nuova per l'Italia. II. - *Erebia flavofasciata* Heyne (Lepidoptera Satyridae): morfologia, eto-ecologia, corologia. Redia, 59: 331-353. // Meriggi A., Pompilio L., Borgo A., Durio P., Perrone A., D'Andrea L., (Red), 1999 - Piano faunistico-venatorio provinciale. Provincia del Verbano Cusio Ossola. Settore Tutela faunistica, Agricoltura, Montagna e Parchi. (Rel. tec. non pubbl.) // Mingozzi T., Boano G., Pulcher C. e coll., 1988 - Atlante degli uccelli nidificanti in Piemonte e Valle d'Aosta 1980-1984. (Monografie VII) Mus. Reg. Scienze Nat., Torino. // Pistrino A., Forneris G., Fossa V., 1999 - Le collezioni di Giacinto Abbà. Catalogo e note critiche delle raccolte botaniche in Piemonte (1956 ? 1998). (Cataloghi XII) Mus. Reg. Scienze Nat., Torino. // Pompilio L., 1999 - Risultati dei censimenti primaverili ed estivi di Fagiano di monte, Coturnice, Pernice bianca e Lepre bianca ed impostazione dei piani di prelievo nel CA VCO 2 ? Ossola Nord. Anno 1999. Comprensorio alpino VCO 2 ? Ossola Nord. Maserà (VB), pp. 37. // Pompilio L., 2000 - Risultati dei censimenti primaverili ed estivi di Fagiano di monte, Coturnice, Pernice bianca e Lepre bianca ed impostazione dei piani di prelievo nel CA VCO 2 ? Ossola Nord. Anno 1999. Comprensorio alpino VCO 2 ? Ossola Nord. Maserà (VB), pp. 39. // Pompilio L., 2001 - Risultati dei censimenti primaverili ed estivi di Fagiano di monte, Coturnice, Pernice bianca e Lepre bianca ed impostazione dei piani di prelievo nel CA VCO 2 ? Ossola Nord. Anno 1999. Comprensorio alpino VCO 2 ? Ossola Nord. Maserà (VB), pp. 34. // Provincia VCO, Assessorato Ambiente, 2000 - Censimento Biotopi Provincia VCO. Verbania. // Provincia del VCO e Università di Pavia ? DET, 2003 - Progetto Biodiversità. Aree di importanza naturalistica del Verbano Cusio Ossola. Provincia del VCO, Verbania. (Rel. tec. non pubbl.) // Ramella A., 2003 - Le farfalle diurne del Verbano Cusio Ossola. Quad. Nat. Paes. VCO, 2. Provincia del VCO, Verbania. // Silvestri P., 1973 - Contributo per lo studio dei fenomeni carsici nella zona dei Laghi Boden. Laboratorio Ricerche Domodossola. Mem. 1, suppl. Illustrazione Ossolana, Domodossola. // Silvestri P., 1973 - Proposta di un giardino per lo studio della flora e della vegetazione alpina. Novara, 29 (9): 7-31. //

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]

IT07	3.0
IT35	23.0

IT42	100.0
IT31	1.0

IT13	99.0
IT95	73.0

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT95	Val Formazza	*	73.0
IT35	Galassini	+	23.0
IT31	Stavello	+	1.0
IT42	IT1140021 - Val Formazza	-	100.0
IT13	Vincolo idrogeologico	*	99.0
IT07	Formazza	*	3.0

5.3 Site designation (optional)

Area designata come SIC "Rifugio Maria Luisa (Val Formazza)". Rientra in totonell'IBA IT001 "Media Val Dossola (Val Antigorio)" (Lambertini et al., 1990), successivamente classificata IT004 "Valle Formazza e Valle Atigorio" (Casale et al., 2000). Comprende i due biotopi provinciali "Laghi Boden" e "GiardinoRiserva Alpina del Lago Kastel" (Provincia VCO, 2000). Il 49% del sito ricade nelGalassino " Zona carsica del Kastel". Include tre geotopi provinciale (vedi punto5.2).

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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Organisation:	Provincia del Verbano Cusio Ossola – Servizio Pianificazione Territoriale e Infrastrutture
Address:	Via dell'Industria, 25 – 28924 Verbania
Email:	protocollo@cert.provincia.verbania.it

6.2 Management Plan(s):

An actual management plan does exist:

<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No, but in preparation
<input type="checkbox"/>	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. 7-4703 del 27/02/2017

7. MAP OF THE SITES

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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).

020 036 1:10000 Gauss-Boaga --- CTR Piemonte 1:10.000(Fuso 32 – sistema di riferimento UTM WGS84) – Sezioni: 020090, 0201000, 020130, 020140, 036020, 036050 e 036060



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 IT1140016
SITENAME Alpi Veglia e Devero - Monte Giove

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- [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

1.1 Type C	1.2 Site code IT1140016	Back to top
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1.3 Site name

Alpi Veglia e Devero - Monte Giove

1.4 First Compilation date 1995-09	1.5 Update date 2019-12
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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

2.1 Site-centre location [decimal degrees]:

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Longitude 8.2525 **Latitude** 46.311111

2.2 Area [ha]: 15119.0 **2.3 Marine area [%]:** 0.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name

2.6 Biogeographical Region(s)

Alpine (100.0 %)

3. ECOLOGICAL INFORMATION

3.1 Habitat types present on the site and assessment for them

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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
3150			0.4		G	C	C	C	C
3220			18.07		M	C	C	A	C
4060			1850.1		M	A	C	A	A
4070			1.3		G	B	C	A	B
4080			30.3		M	B	C	A	C
6150			151.18		M	B	C	B	B
6170			707.8		M	A	C	A	B
6230			873.9		M	A	C	B	B
6430			33.5		M	B	C	B	C
6520			133.2		M	C	C	B	C
7110			0.5		G	B	C	B	B
7140			2.4		M	C	C	C	B
7230			5.0		M	B	C	B	A
7240			0.1		M	B	C	A	A
8110			2272.3		M	A	C	A	A
8220			2059.1		M	B	C	A	B
8310			151.18		M	B	C	B	B
8340			181.3		M	C	C	C	C
9110			70.2		M	C	C	B	C
9180			15.12		M	C	C	C	C
91E0			59.9		M	C	C	B	C
9410			309.7		M	B	C	B	C
9420			1495.9		M	A	C	A	A
9430			2.4		G	D			

- **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	B
B	A086	Accipiter nisus			p				P	DD	C	A	C	B
B	A168	Actitis hypoleucos			c	1	5	i		M	C	A	C	C
B	A223	Aegolius funereus			p				P	DD	C	A	B	C
B	A223	Aegolius funereus			r	11	20	p		G	C	A	B	C
B	A247	Alauda arvensis			p				P	DD	C	B	C	B
B	A229	Alcedo atthis			c	1	5	i		G	D			
B	A412	Alectoris graeca saxatilis			r	11	50	p		G	C	A	C	B
B	A412	Alectoris graeca saxatilis			p				P	DD	C	A	C	B
B	A053	Anas platyrhynchos			c	1	20	i		M	D			
B	A255	Anthus campestris			c	1	5	i		G	D			
B	A256	Anthus trivialis			p				P	DD	D			

B	A091	Aquila chrysaetos			p				P	DD	C	A	C	B
B	A091	Aquila chrysaetos			r	4	4	p		G	C	A	C	B
M	1308	Barbastella barbastellus			p				P	DD	C	A	C	A
B	A104	Bonasa bonasia			p				P	DD	C	A	B	B
B	A104	Bonasa bonasia			r	11	50	p		G	C	A	B	B
B	A215	Bubo bubo			r	1	2	p		G	C	A	C	B
B	A215	Bubo bubo			p				P	DD	C	A	C	B
M	1352	Canis lupus			p				P	DD	D			
B	A139	Charadrius morinellus			c	1	5	i		M	D			
B	A081	Circus aeruginosus			c	51	100	i		G	D			
B	A082	Circus cyaneus			c	6	10	i		G	D			
B	A082	Circus cyaneus			w	1	5	i		G	D			
B	A084	Circus pygargus			c	6	10	i		G	D			
B	A350	Corvus corax			p				P	DD	C	A	C	B
F	1163	Cottus gobio			p				P	DD	C	B	C	B
B	A212	Cuculus canorus			p				P	DD	D			
B	A236	Dryocopus martius			p				P	DD	C	B	C	B
B	A236	Dryocopus martius			r	11	20	p		G	C	B	C	B
B	A379	Emberiza hortulana			c	6	10	p		G	D			
I	1073	Erebia christi			p				P	DD	A	B	A	A
I	1065	Euphydryas aurinia			p				P	DD	A	B	C	B
B	A103	Falco peregrinus			r	2	2	p		G	C	A	C	B
B	A103	Falco peregrinus			p				P	DD	C	A	C	B
B	A096	Falco tinnunculus			p				P	DD	C	A	C	B
B	A153	Gallinago gallinago			c	1	5	i		M	D			
B	A217	Glaucidium passerinum			p				P	DD	C	A	B	C
B	A217	Glaucidium passerinum			r	1	5	p		G	C	A	B	C
B	A076	Gypaetus barbatus			c	1	5	i		G	C	A	C	C
B	A251	Hirundo rustica			c	10	100	i		M	C	A	C	C
B	A408	Lagopus mutus helveticus			r	101	101	i		G	C	A	B	B
B	A408	Lagopus mutus helveticus			p				P	DD	C	A	B	B
B	A338	Lanius collurio			r	1	5	p		G	C	A	C	B
B	A338	Lanius collurio			c	11	50	i		G	C	A	C	B
B	A246	Lullula arborea			c	1	5	i		G	D			
M	1361	Lynx lynx			p	2	2	i		G	D			
B	A073	Milvus migrans			c	1	5	i		G	D			
B	A074	Milvus milvus			c	1	5	i		G	D			
B	A319	Muscicapa striata			p				P	DD	D			
M	1321	Myotis emarginatus			c				P	DD	D			
B	A277	Oenanthe oenanthe			p				P	DD	D			
B	A094	Pandion haliaetus			c	1	2	i		M	D			
B	A072	Pernis apivorus			c	11	50	p		G	D			
B	A313	Phylloscopus bonelli			p				P	DD	D			
B	A345	Pyrrhonorax graculus			p				P	DD	C	A	C	B
B	A346	Pyrrhonorax pyrrhonorax			p				P	DD	C	A	C	B
B	A346	Pyrrhonorax pyrrhonorax			r	1	5	p		G	C	A	C	B
B	A275	Saxicola rubetra			r	25	75	cmales		M	C	B	C	C
B	A155	Scolopax rusticola			r	1	1	cmales		M	C	B	C	C
B	A310	Sylvia borin			r	10	50	cmales		M	C	A	C	C
B	A308	Sylvia curruca			p				P	DD	D			
B	A409	Tetrao tetrix tetrix			p				P	DD	C	A	B	B
B	A409	Tetrao tetrix tetrix			r	100	150	i		G	C	A	B	B
B	A333	Tichodroma muraria			p				P	DD	C	A	C	B
B	A166	Tringa glareola			c	6	10	i		G	D			
B	A165	Tringa ochropus			c	1	5	i		M	C	A	C	C
B	A285	Turdus philomelos			p				P	DD	C	B	C	B
B	A284	Turdus pilaris			p				P	DD	C	B	C	B
B	A287	Turdus viscivorus			p				P	DD	C	B	C	B
B	A142	Vanellus vanellus			c	1	10	cmales		M	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	
P		Androsace vandellii						P			X				
B	A257	Anthus pratensis						C					X		
B	A259	Anthus spinoletta						C					X		
M	5549	Apodemus flavicollis						P						X	
B	A228	Apus melba						R					X		
P	1480	Aquilegia alpina						P	X						
P	1762	Arnica montana						C		X					
P	1764	Artemisia genipi						P		X					
B	A221	Asio otus						R					X		
B	A263	Bombycilla garrulus						V					X		
A	2361	Bufo bufo						R			X				
B	A087	Buteo buteo						R					X		
M	1375	Capra ibex						P		X					
M	2644	Capreolus capreolus						P					X		
B	A366	Carduelis cannabina						R			X		X		
B	A364	Carduelis carduelis						R			X		X		
B	A368	Carduelis flammea						P					X		
B	A365	Carduelis spinus						C					X		
I		Carterocephalus palaemon						P					X		
B	A334	Certhia familiaris						C					X		
B	A334	Certhia familiaris						C					X		
M	2645	Cervus elaphus						P					X		
M	5603	Chionomys nivalis						P					X		
B	A264	Cinclus cinclus						C					X		
B	A264	Cinclus cinclus						R					X		
I		Clossiana thore						P			X				
I		Clossiana titania						P						X	
P		Corallorhiza trifida Chatel.						P						X	
B		Cyanistes caeruleus						R					X		
B	A253	Delichon urbica						R			X		X		
B	A237	Dendrocopos major						C					X		
P		Draba hoppeana Rchb.						P						X	
P		Drosera rotundifolia L.						P						X	
M	2615	Eliomys quercinus						P					X		
B	A378	Emberiza cia						C					X		
B	A376	Emberiza citrinella						V					X		
M	1313	Eptesicus nilssonii						P	X						
I		Erebia flavofasciata						C			X				
I		Erebia montana						P				X			
B	A269	Erithacus rubecula						C					X		
B	A099	Falco subbuteo						V					X		
B	A322	Ficedula hypoleuca						R					X		
M	2616	Glis glis						P					X		
P		Horminum pyrenaicum L.						P						X	

M	5365	Hypsugo savii						P	X						
B	A233	Jynx torquilla						R			X		X		
P		Kobresia simpliciuscula (Wahlenb.) Mack.						P						X	
B	A340	Lanius excubitor						V					X		
P		Leontopodium alpinum Cass.						P			X				
M	1334	Lepus timidus						P		X					
I		Leucorrhina dubia						R						X	
B		Lophophanes cristatus						C					X		
B	A369	Loxia curvirostra						C					X		
B	A270	Luscinia luscinia						V					X		
I		Lycaena eurydame						P						X	
P	5104	Lycopodium annotinum						P		X					
I	1058	Maculinea arion						P	X						
I		Maculinea rebeli						P			X				
M	2606	Marmota marmota						P					X		
B	A230	Merops apiaster						V					X		
M	5721	Microtus arvalis						P						X	
B	A280	Monticola saxatilis						R					X		
B	A358	Montifringilla nivalis						C					X		
B	A262	Motacilla alba						C					X		
B	A261	Motacilla cinerea						C					X		
M	2632	Mustela erminea						P					X		
M	1320	Myotis brandtii						P	X						
M	1314	Myotis daubentoni						P	X						
M	1330	Myotis mystacinus						P	X						
M	1322	Myotis nattereri						P	X						
R	2469	Natrix natrix						R					X		
M	2597	Neomys fodiens						P					X		
B	A344	Nucifraga caryocatactes						R					X		
M	1331	Nyctalus leisleri						P	X						
M	1312	Nyctalus noctula						P	X						
I		Oeneis glacialis						P				X			
B	A337	Oriolus oriolus						C					X		
I	1057	Parnassius apollo						P	X						
I	1056	Parnassius mnemosyne						P	X						
I		Parnassius phoebus						P			X				
B	A328	Parus ater						C					X		
B	A330	Parus major						C					X		
B	A326	Parus montanus						C					X		
B		Periparus ater						C					X		
B	A273	Phoenicurus ochruros						C					X		
B	A274	Phoenicurus phoenicurus						C					X		
B	A315	Phylloscopus collybita						C					X		
B	A314	Phylloscopus sibilatrix						R					X		
B	A316	Phylloscopus trochilus						C					X		
B	A235	Picus viridis						R					X		
M	2016	Pipistrellus kuhlii						P	X						
M	1317	Pipistrellus nathusii						P	X						
M	1309	Pipistrellus pipistrellus						P	X						
M	1311	Pipistrellus savii						P	X						
M	1326	Plecotus auritus						P	X						
R	1256	Podarcis muralis						P	X						
B	A642	Podiceps auritus auritus						V					X		
B		Poecile alpestris						C					X		
B		Poecile palustris						V					X		
P		Potentilla palustris (L.) Scop.						P			X				
B	A027	Prunella collaris						C					X		
B	A266	Prunella modularis						C					X		

B	A250	Ptyonoprogne rupestris						R					X	
A	1213	Rana temporaria						P		X				
B	A318	Regulus ignicapillus						V					X	
B		Regulus regulus						R			X		X	
M	1369	Rupicapra rupicapra						P		X				
P		Saponaria lutea L.						P			X			
P		Saxifraga biflora All.						P						X
M	2607	Sciurus vulgaris						P					X	
P		Sedum villosum L. ssp. villosum						P			X			
B	A362	Serinus citrinella						R					X	
B	A361	Serinus serinus						C					X	
B	A332	Sitta europaea						V					X	
I		Somatochlora alpestris						R						X
I		Somatochlora arctica						C			X			X
M		Sorex						P					X	
M	2598	Sorex alpinus						P					X	
M	2599	Sorex araneus						P					X	
M	2601	Sorex minutus						P					X	
P		Sparganium angustifolium Michx.						P			X			
B	A311	Sylvia atricapilla						C					X	
B	A309	Sylvia communis						V					X	
M	1333	Tadarida teniotis						P	X					
P		Trichophorum alpinum (L.) Pers.						P						X
A	2353	Triturus alpestris						P					X	
B	A265	Trogodytes troglodytes						C					X	
B		Turdus torquatus torquatus						P					X	
B	A232	Upupa epops						C					X	
P		Viola pinnata L.						P						X
R	2471	Vipera aspis						P					X	
P		Woodsia alpina (Bolton) S.F. Gray						P						X
R	5910	Zootoca vivipara						C						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

4.1 General site character

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Habitat class	% Cover
N23	1.0
N17	15.0
N07	1.0
N06	2.0
N16	1.0
N08	7.0
N22	42.0
N19	1.0
N11	13.0
N10	16.0
N20	1.0
Total Habitat Cover	100

Other Site Characteristics

Sito dalla morfologia di impronta tipicamente glaciale (riconoscibile per tratti quali circhi glaciali, laghetti alpini, morene, massi erratici, rocce montonate evalli sospese), alla quale si sono poi sovrapposte l'erosione fluviale ed i fenomeni di accumulo gravitativo. Circa metà del territorio è costituito da ghiacciai residui, rocce e macereti, un terzo è occupato da praterie d'altitudine, pascoli e vallette nivali, e la parte restante, alle quote inferiori, è coperta essenzialmente da lariceti.

4.2 Quality and importance

Riconosciute 19 tipologie ambientali di interesse comunitario, delle quali 3 considerate prioritarie dalla D.H. Elevata diversità floristica, con 68 specie di interesse conservazionistico. 132 specie di uccelli, di cui 24 inserite nell'Al. I della Direttiva Uccelli; importanti popolamenti entomologici.

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	G01.06		i
H	F03.01		i
M	G02.02		i
M	D01.01		i
L	H07		i
H	G02.02		i
M	F02.03		i
M	A04.03		i
L	J02.06		i
M	G01.02		i
M	G05.01		i
M	C01		b
M	A04		i
M	G02.06		i
H	F03.02.01		i
M	D02.01		i
H	M01.01		i
M	E01.03		i
M	G01		i
L	B02		i
M	J02.10		i
M	D05		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
H	J02.06.06		i
M	A04.02.01		i
L	A03		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	93
Joint or Co-Ownership	0	
Private	7	
Unknown	0	
sum	100	

4.5 Documentation

Antonietti A., 2002 - Primo contributo alla conoscenza della Flora delle Valli Ossolane. 64. Folge, Fortschritte in der Floristik der Schweizer Flora. Botanica Helvetica. 112/2, pag. 173-200; Della Beffa G., 1994 - Quindici anni di ricerche entomologiche nei parchi della Regione Piemonte. Atti XVII Congresso nazionale italiano di Entomologia - Udine 13-18 giugno; I.P.L.A., 1991 - Piano Naturalistico del parco Naturale dell'Alpe Veglia. Regione Piemonte. Assessorato ai Beni Culturali ed Ambientali, Pianificazione Territoriale, Parchi, Enti Locali. (redatto); Mingozi T., Boano G., Pulcher C. e collab., 1988 - Atlante degli uccelli nidificanti in Piemonte e Val d'Aosta 1980 - 1984. Mus. Reg. Scienze Nat. (Monografie VIII) Torino; Provincia del VCO e Università di Pavia - DET, 2003 - Progetto Biodiversità. Aree di importanza naturalistica del Verbano Cusio Ossola. Provincia del VCO, Verbania. (Rel. tec. non pubbl.); Sartori F., 1989 - Parco naturale Alpe Veglia. Studi di preparazione al Piano territoriale di coordinamento. Università degli Studi di Pavia. (inedito)

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]
IT34	14.0
IT13	100.0

Code	Cover [%]
IT07	25.0
IT35	70.0

Code	Cover [%]
IT04	55.0

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT34	Area Contigua dell'Alpe Devero	+	14.0
IT13	Vincolo idrogeologico	-	100.0
IT07	Oasi di Protezione Baceno	*	4.0

IT07	Oasi di Protezione Formazza	*	21.0
IT04	Parco Naturale dell'Alpe Veglia e dell'Alpe Devero	+	55.0
IT35	Galassini & 1497/39	*	70.0
IT42	IT1140021 - Val Formazza	/	8.0

5.3 Site designation (optional)

L'area comprende il SIC e ZPS "Alpe Veglia e Devero", il Parco Naturale dell'Alpe Veglia e dell'Alpe Devero, la Zona di Salvaguardia dell'Alpe Devero, il SIR "Lagodi Antillone" e l'Area d'Importanza Naturalistica "Monte Giove" (Provincia VCO et al., 2003). Rientra in toto nell'IBA IT001 "Media Val Dossola (Val Antigorio)" (Lambertini et al., 1990, successivamente classificata IT004 "Valle Formazza e Valle Antigorio" (Casale et al., 2000)

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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Organisation:	Ente di gestione delle Aree protette dell'Ossola
Address:	Viale Pieri, 13 – 28868 Varzo VB
Email:	info@areeprotetteossola.it

6.2 Management Plan(s):

An actual management plan does exist:

<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No, but in preparation
<input type="checkbox"/>	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. 21-4635 del 06/02/2017

7. MAP OF THE SITES

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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).

35090, 35100, 35140, 35060, 35150, 35110, 35070, 35040, 35080, 35120, 36050, 3600 1:10000 Gauss-Boaga --- CTR Piemonte 1:10.000 (Fuso 32 – sistema di riferimento UTM WGS84) – Sezioni:35090, 35100, 35140, 35060, 35150, 35110, 35070, 35040, 35080, 35120, 36050, 36010, 36060, 36020



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 IT1140017
SITENAME Fiume Toce

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1. SITE IDENTIFICATION

1.1 Type A	1.2 Site code IT1140017	Back to top
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1.3 Site name

Fiume Toce

1.4 First Compilation date 2006-07	1.5 Update date 2019-12
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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

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude 8.352684 **Latitude** 45.993963

2.2 Area [ha]: 2663.0 **2.3 Marine area [%]** 0.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code ITC1	Region Name Piemonte
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2.6 Biogeographical Region(s)

Alpine (100.0 %)

3. ECOLOGICAL INFORMATION

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
3150			2.66		P	A	C	B	A
3230			2.66		P	B	C	B	C
3240			50.6		P	B	C	B	B
3260			2.66		P	B	C	B	B
6510			537.93		P	B	C	B	B
9160			31.96		P	B	C	B	B
9180			21.3		P	B	C	B	B
91E0			39.95		P	A	C	B	A
9260			2.66		P	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	A168	Actitis hypoleucos			c				P	DD	D			
B	A229	Alcedo atthis			r	11	50	p		G	C	B	C	B
B	A229	Alcedo atthis			p				P	DD	C	B	C	B
B	A255	Anthus campestris			r	10	10	p		G	C	C	B	C
B	A029	Ardea purpurea			c				P	DD	D			
B	A222	Asio flammeus			c				R	DD	D			
M	1308	Barbastella barbastellus			p				P	DD	D			
F	1138	Barbus meridionalis			p				P	DD	C	B	C	B
F	1138	Barbus meridionalis			r				C	DD	C	B	C	B
B	A215	Bubo bubo			p	4	5	p		G	C	B	C	B
B	A133	Burhinus oedicephalus			c				R	DD	D			
B	A243	Calandrella brachydactyla			c				P	DD	C	C	A	C
B	A243	Calandrella brachydactyla			r	2	2	p		G	C	C	A	C
B	A224	Caprimulgus europaeus			r	6	10	p		G	C	C	C	C
B	A224	Caprimulgus europaeus			c				P	DD	C	C	C	C
B	A197	Chlidonias niger			c				R	DD	D			
B	A031	Ciconia ciconia			c				P	DD	D			
B	A080	Circus gallicus			c				R	DD	D			
B	A081	Circus aeruginosus			c				P	DD	D			
B	A082	Circus cyaneus			c				P	DD	D			
B	A084	Circus pygargus			c				P	DD	D			
F	1163	Cottus gobio			p				P	DD	C	B	C	B
B	A122	Crex crex			c				R	DD	D			
B	A026	Egretta garzetta			c				P	DD	D			
B	A379	Emberiza hortulana			c				R	DD	D			
B	A103	Falco peregrinus			p				P	DD	C	B	C	B
B	A321	Ficedula albicollis			r	1	1	p		G	C	B	C	B
B	A321	Ficedula albicollis			c				R	DD	C	B	C	B
B	A092	Hieraetus pennatus			c				R	DD	D			
B	A022	Ixobrychus minutus			c				P	DD	D			
F	6152	Lampetra zanandreae			p				P	DD	C	B	C	B
B	A338	Lanius collurio			r	11	50	p		G	C	C	C	B
B	A338	Lanius collurio			c				P	DD	C	C	C	B
B	A246	Lullula arborea			c				P	DD	C	B	C	B

B	A246	Lullula arborea			r	5	5	p		G	C	B	C	B
B	A272	Luscinia svecica			c				P	DD	D			
B	A073	Milvus migrans			c				P	DD	D			
B	A074	Milvus milvus			c				P	DD	D			
B	A023	Nycticorax nycticorax			c				P	DD	D			
B	A094	Pandion haliaetus			c				P	DD	D			
B	A072	Pernis apivorus			c				P	DD	D			
B	A151	Philomachus pugnax			c				P	DD	D			
F	1107	Salmo marmoratus			p				C	DD	C	B	C	B
B	A307	Sylvia nisoria			c				P	DD	C	C	A	C
B	A307	Sylvia nisoria			r	10	10	p		G	C	C	A	C
F	5331	Telestes muticellus			p				C	DD	C	B	C	B
B	A166	Tringa glareola			c				R	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
R	5179	Lacerta bilineata						P	X					
R	1256	Podarcis muralis						P	X					
A	1207	Rana lessonae						P	X					
F	1109	Thymallus thymallus						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

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4.1 General site character

Habitat class	% Cover
N23	7.0
N20	3.0
N09	1.0
N19	1.0
N22	14.0
N11	1.0
N06	10.0
N10	21.0
N15	24.0
N16	18.0
Total Habitat Cover	100

Other Site Characteristics

Area localizzata lungo il corso del fiume Toce, caratterizzato da un ampio greto ciottoloso e colonizzato da vegetazione erbacea e cespugliosa rada.

4.2 Quality and importance

Sito importante per l'ornitofauna (presenti specie di particolare rilevanza alivello regionale e per l'Italia settentrionale), la chiroterofauna e l'ittiofauna, che include endemismi padani.

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]
L	D01.05		i
M	A03.03		i
M	L08		i
M	A02.03		i
M	D02.01.01		i
L	J02.01.03		i
H	A04.03		i
L	G01.02		i
M	G01.03.01		i
M	G01		i
M	A06.02.02		i
M	I		i
M	D04		i
H	E02		i
L	D01.01		i
H	I01		i
L	D02.02		i
L	D01.02		i
H	J02		i
H	J02.06.04		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside /outside [i o b]
M	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	37
Joint or Co-Ownership	0	
Private	63	
Unknown	0	
sum	100	

4.5 Documentation

Casale F., Gallo Orsi U., Rizzi V., 2000. Italy. In : Heath M.F., Evans M., 2000. Important bird areas in Europe. Volume 2. Cambridge, UK: BirdLife International (Bird Life Conservation Series numero 8). Lardelli R., 1986 - Nidification de l'Alouette calandrelle, Calandrella brachydactyla, dans la Vallée d'Ossola (Piemont, Italie). Nos Oiseaux, 38 : 294-295. PROVINCIA VCO, Università degli Studi di Pavia, 2003. Progetto Biodiversità - Area di importanza naturalistica del VCO. Rel. Tec. non pubblicata, Provincia VCO, Verbania. PROVINCIA VCO, 2002. Progetto Life Natura "Fiume Toce". Verbania. PROVINCIA VCO, Assessorato Ambiente, 2000. Censimento Biotopi Provincia VCO, a cura di Studio Geologico Bossalini e Cattin. GRAIA, 2000. Carta ittica della Provincia del Verbano Cusio Ossola. Provincia del Verbano Cusio Ossola ? Settore Tutela faunistica, Agricoltura, Montagna e Parchi. MINGOZZI T., BOANO G., PULCHER C. E COLL., 1988. Atlante degli uccelli nidificanti in Piemonte e Valle d'Aosta. Monografie VII - Museo regionale di Scienze Naturali di Torino. Bionda R., Bordigno L., in prep. - Atlante degli uccelli nidificanti del VCO. Fauna Viva, 2003. Studi e piani d'azione per chirotteri di interesse comunitario nel pSIC e ZPS "Greto del Toce". Progetto Life Natura "Fiume Toce". Provincia del VCO, Rel Tec. non pubblicata. Bionda R., 2003. Studi e piani d'azione per specie ornitiche di interesse comunitario nel pSIC e ZPS "Greto del Toce". Progetto Life Natura "Fiume Toce". Provincia del VCO, Rel Tec. non pubblicata. Scalabrini C. et al., 2003. Studi scientifici sugli habitat di interesse comunitario nel pSIC e ZPS "Greto del Toce". Progetto Life Natura "Fiume Toce". Provincia del VCO, Rel Tec. non pubblicata.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT13	3.0	IT35	1.0	IT41	30.0

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT05	Riserva naturale di Fondo Toce	/	1.0
IT13	Vincolo idrogeologico	*	3.0
IT35	1497/39	*	1.0
IT41	IT1140006 -Greto T.te Toce tra Domodossola e Villadossola	+	30.0
IT42	IT1140001 - Fondo Toce	/	1.0
IT41	IT1140001 - Fondo Toce	/	1.0

designated at international level:

Type	Site name	Type	Cover [%]
------	-----------	------	-----------

biosphere	TRANSITION ZONE - Riserva della Biosfera Valle del Ticino	*	2.0
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5.3 Site designation (optional)

Il tratto centrale dell'area è stato precedentemente designato come ZPS, con l' denominazione " Greto del torrente Toce tra Domodossola e Villadossola". Tutta l'area rientra nell'IBA IT002 "Valle Anzasca , Valle Antrona e Vallicircostanti", successivamente classificata IT003 "Valli di Anzasca e Antrona". Comprende l'Oasi Bosco Tenso gestita dal WWF e tre aree di importanza naturalistiche (AIN) identificate dalla provincia del VCO, ovvero "Fiume Toce tra Crevadossola e Trontano", "Fiume Toce tra Vogogna e Gravelona Toce", "Sistema degli ambienti prativi del fondovalle ossolano", riconosciute anche a livello di piano territoriale provinciale, dove vengono anche classificate nel loro insieme come "Corridoio ecologico del Toce". Comprende il biotopo provinciale "Lanca fluviale nell'alveo del Fiume Toce".

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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Organisation:	Provincia del Verbano Cusio Ossola – Servizio Pianificazione Territoriale e Infrastrutture
Address:	Via dell'Industria, 25 – 28924 Verbania
Email:	protocollo@cert.provincia.verbania.it

6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/>	Yes	Name: Piano di gestione del Sito della Rete Natura 2000 IT1140017 "Fiume Toce" Link: http://www.regione.piemonte.it/parchi/cms/dati-territoriali-new/aree-protette-e-rn2000/pianificazione-e-norme.html
<input type="checkbox"/>	No, but in preparation	
<input type="checkbox"/>	No	

6.3 Conservation measures (optional)

(La realizzazione del progetto Life Natura di cui al punto precedente, dal titolo "Fiume Toce : conservazione di ambienti ripariali a favore dell'avifauna nidificante e migratoria", prevedeva l'esecuzione di interventi gestionali di ripristino degli habitat)- 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- Piano di gestione del Sito approvato con D.G.R. n. 27-6845 del 11-05-2018

7. MAP OF THE SITES

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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).

051; 052; 072; 073 1: --- CTR Piemonte 1:10.000 (Fuso 32 – sistema di riferimento UTM WGS84) – Sezioni: 051040, 051080, 051120, 051160, 052130, 072040, 077010, 073020 e 073060



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 IT1140006
SITENAME Greto Torrente Toce tra Domodossola e Villadossola

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- [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

1.1 Type B	1.2 Site code IT1140006	Back to top
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1.3 Site name

Greto Torrente Toce tra Domodossola e Villadossola

1.4 First Compilation date 1995-12	1.5 Update date 2019-12
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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:	0000-00
National legal reference of SPA designation	No data
Date site proposed as SCI:	1995-09
Date site confirmed as SCI:	No data
Date site designated as SAC:	2017-02
National legal reference of SAC designation:	DM 03/02/2017 - G.U. 46 del 24-02-2017

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude 8.279167 **Latitude** 46.058333

2.2 Area [ha]: 746.0 **2.3 Marine area [%]:** 0.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name

2.6 Biogeographical Region(s)

Alpine (100.0
%)

3. ECOLOGICAL INFORMATION

3.1 Habitat types present on the site and assessment for them

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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
3150F			0.79		P	D			
3220F			133.85		M	B	C	B	C
3230F			7.87		M	B	C	B	B
3240F			38.58		M	B	C	B	B
3260F			0.79		P	D			
6210F			23.62		M	B	C	B	C
6510F			219.67		M	B	C	B	B
91E0F			9.45		M	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	A168	Actitis hypoleucos			c				P	DD	D			
B	A229	Alcedo atthis			r	11	50	p		G	C	C	C	C
B	A229	Alcedo atthis			p				P	DD	C	C	C	C
B	A255	Anthus campestris			r	10	10	p		G	C	C	B	C
B	A029	Ardea purpurea			c				P	DD	D			
B	A222	Asio flammeus			c				R	DD	D			
M	1308	Barbastella barbastellus			p				P	DD	D			
F	1138	Barbus meridionalis			p				P	DD	C	B	C	B
F	1138	Barbus meridionalis			r				C	DD	C	B	C	B
B	A215	Bubo bubo			p	4	5	p		G	C	B	C	B
B	A215	Bubo bubo			c				P	DD	C	B	C	B
B	A133	Burhinus oedicnemus			c				R	DD	D			
B	A243	Calandrella brachydactyla			c				C	DD	C	C	A	C
B	A243	Calandrella brachydactyla			r	2	2	p		G	C	C	A	C
B	A224	Caprimulgus europaeus			c				P	DD	C	C	C	C
B	A224	Caprimulgus europaeus			r	6	10	p		G	C	C	C	C
B	A197	Chlidonias niger			c				R	DD	D			
B	A031	Ciconia ciconia			c				P	DD	D			
B	A080	Circaetus gallicus			c				R	DD	D			
B	A081	Circus aeruginosus			c				P	DD	D			
B	A082	Circus cyaneus			c				P	DD	D			
B	A084	Circus pygargus			c				P	DD	D			
F	5304	Cobitis bilineata			p				P	DD	C	B	C	B
F	1163	Cottus gobio			p				P	DD	C	B	C	B
B	A122	Crex crex			c				R	DD	D			
B	A026	Egretta garzetta			c				P	DD	D			
B	A379	Emberiza hortulana			c				R	DD	D			
B	A103	Falco peregrinus			p				P	DD	C	B	C	B

B	A097	Falco vespertinus			c				P	DD	D			
B	A321	Ficedula albicollis			c				R	DD	C	B	C	B
B	A321	Ficedula albicollis			r	1	1	p		G	C	B	C	B
B	A092	Hieraetus pennatus			c				R	DD	D			
B	A022	Ixobrychus minutus			c				P	DD	D			
F	6152	Lampetra zanandreae			p				P	DD	C	B	C	B
B	A338	Lanius collurio			c				C	DD	C	C	C	B
B	A338	Lanius collurio			r	11	50	p		G	C	C	C	B
B	A246	Lullula arborea			r	5	5	p		G	C	B	C	B
B	A246	Lullula arborea			c				P	DD	C	B	C	B
B	A272	Luscinia svecica			c				P	DD	D			
B	A073	Milvus migrans			c				P	DD	D			
B	A074	Milvus milvus			c				P	DD	D			
B	A023	Nycticorax nycticorax			c				P	DD	D			
B	A094	Pandion haliaetus			c				P	DD	D			
B	A072	Pernis apivorus			c				P	DD	D			
B	A151	Philomachus pugnax			c				P	DD	D			
M	1304	Rhinolophus ferrumequinum			p				R	DD	D			
F	1107	Salmo marmoratus			p				C	DD	C	B	C	B
B	A307	Sylvia nisoria			r	10	10	p		G	C	C	A	C
B	A307	Sylvia nisoria			c				C	DD	C	C	A	C
F	5331	Telestes muticellus			p				C	DD	C	B	C	B
B	A166	Tringa glareola			c				R	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
A	1201	Bufo viridis						P	X					
R	5670	Hierophis viridiflavus						P	X					
A	5358	Hyla intermedia						P	X					
R	5179	Lacerta bilineata						P	X					
R	1292	Natrix tessellata						P					X	
R	1256	Podarcis muralis						P	X					
A	1207	Rana lessonae						P	X					
F	1109	Thymallus thymallus						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

4.1 General site character

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Habitat class	% Cover
N16	15.34
N06	17.8

N27	3.76
N22	18.46
N14	30.62
N23	13.65
N10	0.37
Total Habitat Cover	100

Other Site Characteristics

Sito di notevole importanza ornitologica: estremo limite settentrionale di nidificazione di *Calandrella brachydactyla* e occidentale per *Sylvia nisoria*.

4.2 Quality and importance

Greto alluvionale ciottoloso a saliceto con isoloni in alveo, formazioni idrofile riparie di salice bianco e pioppo. Lunghi tratti arginati con scogliere in massi in cemento.

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	H07		o
M	J02.05.02		i
M	A04.01		i
M	G01		b
M	K02		i
M	A03.03		i
M	I01		i
M	E01		b
L	H01		b
L	A01		i

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)

Type	[%]	
Public	National/Federal	40
	State/Province	0
	Local/Municipal	11
	Any Public	0
Joint or Co-Ownership	0	
Private	49	
Unknown	0	
sum	100	

4.5 Documentation

Andreone F., Sindaco R. (Eds), 1999 - Erpetologia del Piemonte e della Valle d'Aosta. Atlante degli Anfibi e dei Rettili. (Monografie XXVI) (1998) Mus. Reg. Scienze Nat., Torino.//Antonietti A., 2002 - Primo contributo alla conoscenza della Flora delle Valli Ossolane. 64. Folge, Fortschritte in der Floristik der Schweizer Flora. Botanica Helvetica. Vol. 112/2: 173-200.//Bionda R., Casale F., Pompilio L., 2002 - Check-List dei vertebrati del Verbano Cusio Ossola aggiornata al dicembre 2001. Quad. Nat. Paes. VCO, 1, Provincia del VCO, Verbania.//Bionda R., Bordignon L., in prep - Atlante degli uccelli nidificanti nella provincia del Verbano Cusio Ossola. //Cucco M., Levi L., Maffei G., Pulcher C. (Red.), 1996 - Atlante degli uccelli di Piemonte e Valle d'Aosta in inverno (1986 - 1992). (Monografie XIX) Mus. Reg. Scienze Nat., Torino. //GRAIA, 2000 - Carta ittica della Provincia del Verbano Cusio Ossola. Provincia del Verbano Cusio Ossola. Settore Tutela faunistica, Agricoltura, Montagna e Parchi. (Rel. tec. non pubbl.)//Lardelli R., 1986 - Nidification de l'Alouette calandrelle, *Calandrella brachydactyla*, dans la Vallée d'Ossola (Piemont, Italie). Nos Oiseaux, 38 : 294- 295. //Marchesi P., Rey A., 2001 - Découverte de la salamandre tachetée (*Salamandra s. salamandra*) au Simplon et du crapaud vert (*Bufo viridis*) à Domodossola. In : KARCH, Résumés des communications présentées lors du 8ème Colloque herpétologique du Centre de coordination pour la protection des amphibiens et des reptiles de Suisse, Fribourg, Svizzera. //Meriggi A., Pompilio L., Borgo A., Durio P., Perrone A., D'Andrea L., (Red), 1999 - Piano faunistico-covenatorio provinciale. Provincia del Verbano Cusio Ossola. Settore Tutela faunistica, Agricoltura, Montagna e Parchi. (Rel. tec. non pubbl.)//Mingozi T., Boano G., Pulcher C. e coll., 1988 - Atlante degli uccelli nidificanti in Piemonte e Valle d'Aosta 1980 - 1984. (Monografie VII) Mus. Reg. Scienze Nat., Torino. //Provincia del VCO e Università di Pavia - DET, 2003 - Progetto Biodiversità. Aree di importanza naturalistica del Verbano Cusio Ossola. Provincia del VCO, Verbania. (Rel. tec. non pubbl.)//Ramella A., 2003 - Le farfalle diurne del Verbano Cusio Ossola. Quad. Nat. Paes. VCO, 2. Provincia del VCO, Verbania.//Regione Piemonte. Direzione Pianificazione delle Risorse Idriche, 2004 - Rilievi ittiografici a scala regionale.//

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT42	100.0	IT13	1.0		

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT13	Vincolo idrogeologico	*	1.0

5.3 Site designation (optional)

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Provincia del Verbano Cusio Ossola – Servizio Pianificazione Territoriale e Infrastrutture
Address:	Via dell'Industria, 25 – 28924 Verbania
Email:	protocollo@cert.provincia.verbania.it

6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/> Yes	Name: Piano di gestione del Sito della Rete Natura 2000 IT1140006 "Greto T.te Toce tra Domodossola e Villadossola" Link: http://www.regione.piemonte.it/parchi/cms/dati-territoriali-new/aree-protette-e-rn2000/pianificazione-e-norme.html
<input type="checkbox"/> No, but in preparation	
<input type="checkbox"/> 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. 24-4043 del 10/10/2016- Piano di gestione del Sito approvato con D.G.R. n. 27-6845 del 11-05-2018

7. MAP OF THE SITES

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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).

15/II/NO, 15/II/SO 1:25000 Gauß-Boaga (Transver --- CTR Piemonte 1:10.000(Fuso 32 – sistema di riferimento UTM WGS84)– Sezioni: 051080, 051120 e 051160