
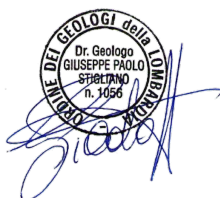


01	Dicembre 2023	Aggiornamento	CESI	CESI	CESI
00	Novembre 2021	Prima emissione	GEOTECH	GEOTECH	GEOTECH
N.	DATA	DESCRIZIONE REVISIONI	ELABORATO	VERIFICATO	APPROVATO
CODIFICA ELABORATO					
C3016758					



**STUDIO PER LA VALUTAZIONE DI INCIDENZA**  
**Risposte alle Richieste di Integrazione**  
**Registro Ufficiale.U.0007208.21-06-2023**

**Allegato 1 – FORMULARI STANDARD DEI SITI NATURA 2000**  
**(invio alla Commissione Europea dicembre 2022)**

**RAZIONALIZZAZIONE RETE 220 KV DELLA VAL FORMAZZA**


REVISIONI	01	Dicembre 2023	Aggiornamento	F.Felli SVP-SA-SANO	V.De Santis SVP-SA-SANO
	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:

MOTIVO DELL'INVIO:

PER ACCETTAZIONE

PER INFORMAZIONE

CODIFICA ELABORATO		
RGAR10019B2298568_01		

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# 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 IT1140004  
SITENAME Alta Val Formazza

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## 1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IT1140004	<a href="#">Back to top</a>
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### 1.3 Site name

Alta Val Formazza
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1.4 First Compilation date 1995-09	1.5 Update date 2022-12
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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]:

2.3 Marine area [%]

## 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)

Alpine (100.0  
%)

## 3. ECOLOGICAL INFORMATION

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## 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 <b>B</b>			3.5		G	A	C	A	A
4060 <b>B</b>			245.0		G	B	C	B	B
4080 <b>B</b>			74.67		G	B	C	B	B
6150 <b>B</b>			358.0		G	B	C	B	B
6170 <b>B</b>			895.0		G	A	C	A	A
6230 <b>B</b>			619.0		G	A	C	A	A
6430 <b>B</b>			97.6		G	B	C	A	A
6520 <b>B</b>			20.2		G	B	C	B	B
7110 <b>B</b>			0.01		M	C	C	B	C
7140 <b>B</b>			5.74		M	A	C	B	A
7230 <b>B</b>			5.74		M	A	C	B	A
8110 <b>B</b>			1544.0		G	A	C	A	A
8120 <b>B</b>			693.0		G	A	C	A	A
8210 <b>B</b>			290.0		P	D			
8220 <b>B</b>			407.82		M	A	C	A	A
8240 <b>B</b>			137.23		P	D			
8310 <b>B</b>			5.74		M	C	C	A	C
8340 <b>B</b>			30.0		G	B	C	C	C
9180 <b>B</b>			2.1		P	D			
9410 <b>B</b>			421.0		G	B	C	B	B
9420 <b>B</b>			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	<a href="#">Alauda arvensis</a>			r	1	5	p		G	C	C	C	C
B	A412	<a href="#">Alectoris graeca saxatilis</a>			p				P	DD	C	B	C	B
B	A053	<a href="#">Anas platyrhynchos</a>			c				P	DD	C	B	C	C
B	A256	<a href="#">Anthus trivialis</a>			c				P	DD	C	B	C	B
B	A256	<a href="#">Anthus trivialis</a>			r				P	DD	C	B	C	B
B	A226	<a href="#">Apus apus</a>			c				C	DD	C	C	C	C
B	A091	<a href="#">Aquila chrysaetos</a>			c	5	5	i		G	C	A	C	B
B	A091	<a href="#">Aquila chrysaetos</a>			p	1	1	i		G	C	A	C	B
B	A215	<a href="#">Bubo bubo</a>			p	1	1	i		G	C	C	C	C
M	1352	<a href="#">Canis lupus</a>			p				R	DD	D			
B	A081	<a href="#">Circus aeruginosus</a>			c	101	250	i		G	C	C	C	C
B	A212	<a href="#">Cuculus canorus</a>			c				C	DD	C	C	C	B
B	A212	<a href="#">Cuculus canorus</a>			r				P	DD	C	C	C	B
B	A738	<a href="#">Delichon urbicum</a>			c				P	DD	C	B	C	B
B	A738	<a href="#">Delichon urbicum</a>			r				P	DD	C	B	C	B
I	1065	<a href="#">Euphydryas aurinia</a>			p				P	DD	C	B	C	B
B	A103	<a href="#">Falco peregrinus</a>			p	1	1	i		G	C	C	C	C
B	A127	<a href="#">Grus grus</a>			c	11	50	i		G	C	C	C	C
B	A251	<a href="#">Hirundo rustica</a>			c	1001	10000	i		G	C	C	C	C
B	A713	<a href="#">Lagopus muta helvetica</a>			p	11	50	i		G	C	C	C	C
B	A179	<a href="#">Larus ridibundus</a>			p	1	5	i		G	C	C	C	B
M	1361	<a href="#">Lynx lynx</a>			p	2	2	i		G	D			
B	A876	<a href="#">Lyrurus tetrix tetrix</a>			p	1	5	i		G	C	C	C	C
B	A073	<a href="#">Milvus migrans</a>			c	11	50	i		G	C	C	C	C
B	A280	<a href="#">Monticola saxatilis</a>			r	6	10	p		G	C	B	C	B
B	A277	<a href="#">Oenanthe oenanthe</a>			c				C	DD	C	C	C	A
B	A277	<a href="#">Oenanthe oenanthe</a>			r				C	DD	C	C	C	A
B	A274	<a href="#">Phoenicurus phoenicurus</a>			r				P	DD	C	B	C	B
B	A274	<a href="#">Phoenicurus phoenicurus</a>			c				P	DD	C	B	C	B
B	A346	<a href="#">Pyrrhocorax pyrrhocorax</a>			p	1	1	i		G	C	C	B	C
B	A249	<a href="#">Riparia riparia</a>			c	1	5	i		G	C	C	C	C
B	A275	<a href="#">Saxicola rubetra</a>			c				C	DD	C	C	C	A
B	A275	<a href="#">Saxicola rubetra</a>			r				C	DD	C	C	C	A
B	A310	<a href="#">Sylvia borin</a>			r				P	DD	C	B	C	B
B	A310	<a href="#">Sylvia borin</a>			c				P	DD	C	B	C	B
B	A574	<a href="#">Sylvia curruca</a>			c				P	DD	C	B	C	B
B	A574	<a href="#">Sylvia curruca</a>			r				P	DD	C	B	C	B
B	A228	<a href="#">Tachymarptis melba</a>			r	1	5	p		G	C	C	C	C
B	A228	<a href="#">Tachymarptis melba</a>			c	6	20	i		G	C	C	C	C

B	A165	<a href="#">Tringa ochropus</a>			c				P	DD	C	C	C	B
B	A283	<a href="#">Turdus merula</a>			r				P	DD	C	B	C	B
B	A285	<a href="#">Turdus philomelos</a>			r				P	DD	C	B	C	B
B	A287	<a href="#">Turdus viscivorus</a>			r				P	DD	C	B	C	B
B	A142	<a href="#">Vanellus vanellus</a>			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	A474	<a href="#">Acanthis flammea</a>						P					X	
B	A086	<a href="#">Accipiter nisus</a>						P					X	
B	A168	<a href="#">Actitis hypoleucos</a>			6	10	i						X	
I		<a href="#">Agriades glandon</a>						P						X
B	A259	<a href="#">Anthus spinoletta</a>						P					X	
P	1480	<a href="#">Aquilegia alpina</a>						P	X					
P	1762	<a href="#">Arnica montana</a>						C		X				
P	1764	<a href="#">Artemisia genipi</a>						P		X				
B	A221	<a href="#">Asio otus</a>			1	5	i						X	
I		<a href="#">Boloria napaea</a>						P						X
B	A087	<a href="#">Buteo buteo</a>						P					X	
B	A623	<a href="#">Carduelis citrinella</a>						P					X	
P		<a href="#">Carex irrigua</a>						P			X			
P		<a href="#">Carex pauciflora Lightf.</a>						P			X			
B	A264	<a href="#">Cinclus cinclus</a>			1	5	i						X	
P	1378	<a href="#">Cladonia (Cladina) subsp.</a>						P		X				
I		<a href="#">Colia palaeno</a>						P						X
I		<a href="#">Colias palaeno</a>						P			X			
I		<a href="#">Colias phicomone</a>						P						X
B	A350	<a href="#">Corvus corax</a>											X	
P		<a href="#">Draba hoppeana Rchb.</a>						P						X
B	A378	<a href="#">Emberiza cia</a>						P					X	
I		<a href="#">Erebia epiphron</a>						P						X
I		<a href="#">Erebia flavofasciata</a>						P						X
I		<a href="#">Erebia gorge</a>						P						X
B	A269	<a href="#">Erithacus rubecula</a>						P					X	

I		<a href="#">Euphydryas cynthia</a>						P						X
B	A096	<a href="#">Falco tinnunculus</a>		1	5	i							X	
B	A359	<a href="#">Fringilla coelebs</a>						P					X	
P		<a href="#">Leontopodium alpinum</a> <a href="#">Cass.</a>						P			X			
B	A476	<a href="#">Linaria cannabina</a>						P					X	
I		<a href="#">Lycaeides idas</a>						P						X
P	1413	<a href="#">Lycopodium spp.</a>						P		X				
M		<a href="#">Marmota marmota</a>						P					X	
P		<a href="#">Menyanthes trifoliata</a>						P			X			
B	A358	<a href="#">Montifringilla nivalis</a>		51	100	i							X	
B	A262	<a href="#">Motacilla alba</a>						P					X	
B	A261	<a href="#">Motacilla cinerea</a>						P					X	
I		<a href="#">Parnassius phoebus</a>						P			X			
B	A017	<a href="#">Phalacrocorax carbo</a>		501	1000	i							X	
B	A273	<a href="#">Phoenicurus ochruros</a>						P					X	
B	A572	<a href="#">Phylloscopus collybita</a>						P					X	
P		<a href="#">Phyteuma humile</a> <a href="#">Schleicher</a>						P			X			
B	A267	<a href="#">Prunella collaris</a>						P					X	
B	A266	<a href="#">Prunella modularis</a>		51	100	i							X	
B	A345	<a href="#">Pyrrhocorax graculus</a>		11	50	i							X	
B	A372	<a href="#">Pyrrhula pyrrhula</a>						P					X	
A	1213	<a href="#">Rana temporaria</a>						P		X				
P		<a href="#">Saponaria lutea L.</a>						P			X			
P		<a href="#">Sparganium</a> <a href="#">angustifolium Michx.</a>						P			X			
B	A311	<a href="#">Sylvia atricapilla</a>						P					X	
B	A333	<a href="#">Tichodroma muraria</a>		11	50	i							X	
A		<a href="#">Triturus alpestris</a>						P					X	
B	A265	<a href="#">Trogodytes troglodytes</a>						P					X	
I		<a href="#">Vacciniina optilete</a>						P					X	
P		<a href="#">Woodsia alpina</a> <a href="#">(Bolton) S.F. Gray</a>						P						X
R		<a href="#">Zootoca vivipara</a>						P						X
I		<a href="#">Zygaena exulans</a>						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
---------------	---------

N08	10.0
N17	12.0
N22	28.0
N06	3.0
N11	47.0
<b>Total Habitat Cover</b>	<b>100</b>

#### 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 lepidotterofauna. 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]
L	D01.01		i
M	G01.02		i
M	G01.03		i
H	F03.02.01		i
M	G01.08		b
M	D01.02		i
M	A04.01		b
M	J02.05		b
M	G01.06		i
L	E01.03		i
H	F03.01		i
L	K01.01		i
H	D02.01		b
L	G05.01		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 - Florula della zona carsicadella 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 numero8). //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. Masera (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. Masera (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. Masera (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:

[Back to top](#)

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT13	99.0	IT95	73.0	IT35	23.0
IT07	3.0	IT42	100.0	IT31	1.0

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

designated at national or regional level:

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

### 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

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

[Back to top](#)

Organisation:	Provincia del Verbano Cusio Ossola - Servizio Pianificazione Territoriale e Infrastrutture
Address:	Via dell'Industria, 25 - 28924 Verbania



Email:

## 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 IT1140006  
SITENAME Greto Torrente Toce tra Domodossola e Villadossola

## 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

<b>1.1 Type</b> B	<b>1.2 Site code</b> IT1140006	<a href="#">Back to top</a>
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### 1.3 Site name

Greto Torrente Toce tra Domodossola e Villadossola
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<b>1.4 First Compilation date</b> 1995-12	<b>1.5 Update date</b> 2022-12
--	-----------------------------------

### 1.6 Respondent:

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

### 1.7 Site indication and designation / classification dates

<b>Date site classified as SPA:</b>	0000-00
<b>National legal reference of SPA designation</b>	No data
<b>Date site proposed as SCI:</b>	1995-09
<b>Date site confirmed as SCI:</b>	No data
<b>Date site designated as SAC:</b>	2017-02
<b>National legal reference of SAC designation:</b>	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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<b>Longitude</b> 8.279167	<b>Latitude</b> 46.058333
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**2.2 Area [ha]:**

**2.3 Marine area [%]**

## 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)

Alpine (100.0  
%)

## 3. ECOLOGICAL INFORMATION

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## 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 <b>B</b>			0.79		P	D			
3220 <b>B</b>			133.85		M	B	C	B	C
3230 <b>B</b>			7.87		M	B	C	B	B
3240 <b>B</b>			38.58		M	B	C	B	B
3260 <b>B</b>			0.79		P	D			
6210 <b>B</b>			23.62		M	B	C	B	C
6510 <b>B</b>			219.67		M	B	C	B	B
91E0 <b>B</b>			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	<a href="#">Actitis hypoleucos</a>			c				P	DD	D			
B	A229	<a href="#">Alcedo atthis</a>			r	11	50	p		G	C	C	C	C
B	A229	<a href="#">Alcedo atthis</a>			p				P	DD	C	C	C	C
B	A255	<a href="#">Anthus campestris</a>			r	10	10	p		G	C	C	B	C
B	A029	<a href="#">Ardea purpurea</a>			c				P	DD	D			
B	A222	<a href="#">Asio flammeus</a>			c				R	DD	D			
M	1308	<a href="#">Barbastella barbastellus</a>			p				P	DD	D			

F	5086	<a href="#">Barbus caninus</a>			p				P	DD	C	B	C	B
F	5086	<a href="#">Barbus caninus</a>			r				C	DD	C	B	C	B
B	A215	<a href="#">Bubo bubo</a>			c				P	DD	C	B	C	B
B	A215	<a href="#">Bubo bubo</a>			p	4	5	p		G	C	B	C	B
B	A133	<a href="#">Burhinus oedicnemus</a>			c				R	DD	D			
B	A243	<a href="#">Calandrella brachydactyla</a>			c				C	DD	C	C	A	C
B	A243	<a href="#">Calandrella brachydactyla</a>			r	2	2	p		G	C	C	A	C
B	A861	<a href="#">Calidris pugnax</a>			c				P	DD	D			
B	A224	<a href="#">Caprimulgus europaeus</a>			c				P	DD	C	C	C	C
B	A224	<a href="#">Caprimulgus europaeus</a>			r	6	10	p		G	C	C	C	C
B	A197	<a href="#">Chlidonias niger</a>			c				R	DD	D			
B	A031	<a href="#">Ciconia ciconia</a>			c				P	DD	D			
B	A080	<a href="#">Circaetus gallicus</a>			c				R	DD	D			
B	A081	<a href="#">Circus aeruginosus</a>			c				P	DD	D			
B	A082	<a href="#">Circus cyaneus</a>			c				P	DD	D			
B	A084	<a href="#">Circus pygargus</a>			c				P	DD	D			
F	5304	<a href="#">Cobitis bilineata</a>			p				P	DD	C	B	C	B
F	1163	<a href="#">Cottus gobio</a>			p				P	DD	C	B	C	B
B	A122	<a href="#">Crex crex</a>			c				R	DD	D			
B	A480	<a href="#">Cyanecula svecica</a>			c				P	DD	D			
B	A026	<a href="#">Egretta garzetta</a>			c				P	DD	D			
B	A379	<a href="#">Emberiza hortulana</a>			c				R	DD	D			
B	A103	<a href="#">Falco peregrinus</a>			p				P	DD	C	B	C	B
B	A097	<a href="#">Falco vespertinus</a>			c				P	DD	D			
B	A321	<a href="#">Ficedula albicollis</a>			r	1	1	p		G	C	B	C	B
B	A321	<a href="#">Ficedula albicollis</a>			c				R	DD	C	B	C	B
B	A092	<a href="#">Hieraetus pennatus</a>			c				R	DD	D			
B	A022	<a href="#">Ixobrychus minutus</a>			c				P	DD	D			
B	A338	<a href="#">Lanius collurio</a>			c				C	DD	C	C	C	B
B	A338	<a href="#">Lanius collurio</a>			r	11	50	p		G	C	C	C	B
F	1097	<a href="#">Lethenteron zanandreae</a>			p				P	DD	C	B	C	B
B	A246	<a href="#">Lullula arborea</a>			r	5	5	p		G	C	B	C	B
B	A246	<a href="#">Lullula arborea</a>			c				P	DD	C	B	C	B
B	A073	<a href="#">Milvus migrans</a>			c				P	DD	D			
B	A074	<a href="#">Milvus milvus</a>			c				P	DD	D			
B	A023	<a href="#">Nycticorax nycticorax</a>			c				P	DD	D			
B	A094	<a href="#">Pandion haliaetus</a>			c				P	DD	D			
B	A072	<a href="#">Pernis apivorus</a>			c				P	DD	D			
M	1304	<a href="#">Rhinolophus ferrumequinum</a>			p				R	DD	D			
F	1107	<a href="#">Salmo marmoratus</a>			p				C	DD	C	B	C	B
B	A307	<a href="#">Sylvia nisoria</a>			r	10	10	p		G	C	C	A	C
B	A307	<a href="#">Sylvia nisoria</a>			c				C	DD	C	C	A	C
F	5331	<a href="#">Telestes muticellus</a>			p				C	DD	C	B	C	B
B	A166	<a href="#">Tringa glareola</a>			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	6962	<a href="#">Bufo viridis Complex</a>						P	X					
R	5670	<a href="#">Hierophis viridiflavus</a>						P	X					
A	5358	<a href="#">Hyla intermedia</a>						P	X					
R	5179	<a href="#">Lacerta bilineata</a>						P	X					
R	1292	<a href="#">Natrix tessellata</a>						P					X	
A	6976	<a href="#">Pelophylax esculentus</a>						P		X				
R	1256	<a href="#">Podarcis muralis</a>						P	X					
F	1109	<a href="#">Thymallus thymallus</a>						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
N23	13.65
N14	30.62
N10	0.37
N27	3.76
N16	15.34
N06	17.8
N22	18.46
<b>Total Habitat Cover</b>	<b>100.00000000000001</b>

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

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 - Rilevamento faunistico per Carta Ittica 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
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## 5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT42	IT1140017 - Fiume Toce	-	100.0
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 2000IT1140006 "Greto T.te Toce tra Domodossola e Villadossola" Link: <a href="http://www.regione.piemonte.it/parchi/cms/dati-territoriali-new/aree-protette-e-m2000/pianificazione-e-norme.html">http://www.regione.piemonte.it/parchi/cms/dati-territoriali-new/aree-protette-e-m2000/pianificazione-e-norme.html</a>
<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



# 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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- [6. SITE MANAGEMENT](#)
- [7. MAP OF THE SITE](#)

## 1. SITE IDENTIFICATION

<b>1.1 Type</b> C	<b>1.2 Site code</b> IT1140016	<a href="#">Back to top</a>
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### 1.3 Site name

Alpi Veglia e Devero - Monte Giove

<b>1.4 First Compilation date</b> 1995-09	<b>1.5 Update date</b> 2022-12
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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

<b>Date site classified as SPA:</b>	2006-10
<b>National legal reference of SPA designation</b>	D.G.R. n.76-2950 del 22/05/2006
<b>Date site proposed as SCI:</b>	1995-09
<b>Date site confirmed as SCI:</b>	No data
<b>Date site designated as SAC:</b>	2017-11
<b>National legal reference of SAC designation:</b>	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]:**      **2.3 Marine area [%]**



**2.4 Sitelength [km]:**

0.0

**2.5 Administrative region code and name**

NUTS level 2 code

Region Name

ITC1	Piemonte
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**2.6 Biogeographical Region(s)**Alpine (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
3150B			0.4		G	C	C	C	C
3220B			18.07		M	C	C	A	C
4060B			1850.1		M	A	C	A	A
4070B			1.3		G	B	C	A	B
4080B			30.3		M	B	C	A	C
6150B			151.18		M	B	C	B	B
6170B			707.8		M	A	C	A	B
6230B			873.9		M	A	C	B	B
6430B			33.5		M	B	C	B	C
6520B			133.2		M	C	C	B	C
7110B			0.5		G	B	C	B	B
7140B			2.4		M	C	C	C	B
7230B			5.0		M	B	C	B	A
7240B			0.1		M	B	C	A	A
8110B			2272.3		M	A	C	A	A
8220B			2059.1		M	B	C	A	B
8310B			151.18		M	B	C	B	B
8340B			181.3		M	C	C	C	C
9110B			70.2		M	C	C	B	C
9180B			15.12		M	C	C	C	C
91E0B			59.9		M	C	C	B	C
9410B			309.7		M	B	C	B	C
9420B			1495.9		M	A	C	A	A
9430B			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.



B	A096	<a href="#">Falco tinnunculus</a>			p				P	DD	C	A	C	B
B	A153	<a href="#">Gallinago gallinago</a>			c	1	5	i		M	D			
B	A217	<a href="#">Glaucidium passerinum</a>			r	1	5	p		G	C	A	B	C
B	A217	<a href="#">Glaucidium passerinum</a>			p				P	DD	C	A	B	C
B	A076	<a href="#">Gypaetus barbatus</a>			c	1	5	i		G	C	A	C	C
B	A251	<a href="#">Hirundo rustica</a>			c	10	100	i		M	C	A	C	C
B	A713	<a href="#">Lagopus muta helvetica</a>			p				P	DD	C	A	B	B
B	A713	<a href="#">Lagopus muta helvetica</a>			r	101	101	i		G	C	A	B	B
B	A338	<a href="#">Lanius collurio</a>			r	1	5	p		G	C	A	C	B
B	A338	<a href="#">Lanius collurio</a>			c	11	50	i		G	C	A	C	B
B	A246	<a href="#">Lullula arborea</a>			c	1	5	i		G	D			
M	1361	<a href="#">Lynx lynx</a>			p	2	2	i		G	D			
B	A876	<a href="#">Lyrurus tetrix tetrix</a>			r	100	150	i		G	C	A	B	B
B	A876	<a href="#">Lyrurus tetrix tetrix</a>			p				P	DD	C	A	B	B
B	A073	<a href="#">Milvus migrans</a>			c	1	5	i		G	D			
B	A074	<a href="#">Milvus milvus</a>			c	1	5	i		G	D			
B	A319	<a href="#">Muscicapa striata</a>			p				P	DD	D			
M	1321	<a href="#">Myotis emarginatus</a>			c				P	DD	D			
B	A277	<a href="#">Oenanthe oenanthe</a>			p				P	DD	D			
B	A094	<a href="#">Pandion haliaetus</a>			c	1	2	i		M	D			
B	A072	<a href="#">Pernis apivorus</a>			c	11	50	p		G	D			
B	A499	<a href="#">Phylloscopus bonelli</a>			p				P	DD	D			
B	A345	<a href="#">Pyrrhonorax graculus</a>			p				P	DD	C	A	C	B
B	A346	<a href="#">Pyrrhonorax pyrrhonorax</a>			p				P	DD	C	A	C	B
B	A346	<a href="#">Pyrrhonorax pyrrhonorax</a>			r	1	5	p		G	C	A	C	B
B	A275	<a href="#">Saxicola rubetra</a>			r	25	75	cmale		M	C	B	C	C
B	A155	<a href="#">Scolopax rusticola</a>			r	1	1	cmale		M	C	B	C	C
B	A310	<a href="#">Sylvia borin</a>			r	10	50	cmale		M	C	A	C	C
B	A574	<a href="#">Sylvia curruca</a>			p				P	DD	D			
B	A333	<a href="#">Tichodroma muraria</a>			p				P	DD	C	A	C	B
B	A166	<a href="#">Tringa glareola</a>			c	6	10	i		G	D			
B	A165	<a href="#">Tringa ochropus</a>			c	1	5	i		M	C	A	C	C
B	A285	<a href="#">Turdus philomelos</a>			p				P	DD	C	B	C	B
B	A284	<a href="#">Turdus pilaris</a>			p				P	DD	C	B	C	B
B	A287	<a href="#">Turdus viscivorus</a>			p				P	DD	C	B	C	B
B	A142	<a href="#">Vanellus vanellus</a>			c	1	10	cmale		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
B	A474	<a href="#">Acanthis flammea</a>						P					X	
P		<a href="#">Androsace vandellii</a>						P			X			
B	A257	<a href="#">Anthus pratensis</a>						C					X	
B	A259	<a href="#">Anthus spinoletta</a>						C					X	
M		<a href="#">Apodemus flavicollis</a>						P						X
P	1480	<a href="#">Aquilegia alpina</a>						P	X					
P	1762	<a href="#">Arnica montana</a>						C		X				
P	1764	<a href="#">Artemisia genipi</a>						P		X				
B	A221	<a href="#">Asio otus</a>						R					X	
B	A263	<a href="#">Bombycilla garrulus</a>						V					X	
A		<a href="#">Bufo bufo</a>						R			X			
B	A087	<a href="#">Buteo buteo</a>						R					X	
M	1375	<a href="#">Capra ibex</a>						P		X				
M		<a href="#">Capreolus capreolus</a>						P					X	
B	A364	<a href="#">Carduelis carduelis</a>						R			X		X	
B	A623	<a href="#">Carduelis citrinella</a>						R					X	
I		<a href="#">Carterocephalus palaemon</a>						P					X	
B	A334	<a href="#">Certhia familiaris</a>						C					X	
B	A334	<a href="#">Certhia familiaris</a>						C					X	
M		<a href="#">Cervus elaphus</a>						P					X	
M		<a href="#">Chionomys nivalis</a>						P					X	
B	A264	<a href="#">Cinclus cinclus</a>						R					X	
B	A264	<a href="#">Cinclus cinclus</a>						C					X	
I		<a href="#">Clossiana thore</a>						P			X			
I		<a href="#">Clossiana titania</a>						P						X
P		<a href="#">Corallorhiza trifida Chatel.</a>						P						X
B	A483	<a href="#">Cyanistes caeruleus</a>						R					X	
B	A738	<a href="#">Delichon urbicum</a>						R			X		X	
B	A237	<a href="#">Dendrocopos major</a>						C					X	
P		<a href="#">Draba hoppeana Rchb.</a>						P						X
P		<a href="#">Drosera rotundifolia L.</a>						P						X
M		<a href="#">Eliomys quercinus</a>						P					X	
B	A378	<a href="#">Emberiza cia</a>						C					X	
B	A376	<a href="#">Emberiza citrinella</a>						V					X	
M	1313	<a href="#">Eptesicus nilssonii</a>						P	X					
I		<a href="#">Erebia flavofasciata</a>						C			X			
I		<a href="#">Erebia montana</a>						P				X		
B	A269	<a href="#">Erithacus rubecula</a>						C					X	
B	A099	<a href="#">Falco subbuteo</a>						V					X	

B	A322	<a href="#">Ficedula hypoleuca</a>						R						X	
M		<a href="#">Glis glis</a>						P						X	
P		<a href="#">Horminum pyrenaicum</a> <a href="#">L.</a>						P							X
M	5365	<a href="#">Hypsugo savii</a>						P	X						
M	5365	<a href="#">Hypsugo savii</a>						P	X						
B	A233	<a href="#">Jynx torquilla</a>						R			X			X	
P		<a href="#">Kobresia simpliciuscula</a> <a href="#">(Wahlenb.) Mack.</a>						P							X
B	A340	<a href="#">Lanius excubitor</a>						V						X	
P		<a href="#">Leontopodium alpinum</a> <a href="#">Cass.</a>						P			X				
M	1334	<a href="#">Lepus timidus</a>						P		X					
I		<a href="#">Leucorrhina dubia</a>						R							X
B	A476	<a href="#">Linaria cannabina</a>						R			X			X	
B	A497	<a href="#">Lophophanes cristatus</a>						C						X	
B	A369	<a href="#">Loxia curvirostra</a>						C						X	
B	A270	<a href="#">Luscinia luscinia</a>						V						X	
I		<a href="#">Lycaena eurydame</a>						P							X
P		<a href="#">Lycopodium annotinum</a>						P		X					
I	1058	<a href="#">Maculinea arion</a>						P	X						
I		<a href="#">Maculinea rebeli</a>						P			X				
M		<a href="#">Marmota marmota</a>						P						X	
B	A230	<a href="#">Merops apiaster</a>						V						X	
M		<a href="#">Microtus arvalis</a>						P							X
B	A280	<a href="#">Monticola saxatilis</a>						R						X	
B	A358	<a href="#">Montifringilla nivalis</a>						C						X	
B	A262	<a href="#">Motacilla alba</a>						C						X	
B	A261	<a href="#">Motacilla cinerea</a>						C						X	
M		<a href="#">Mustela erminea</a>						P						X	
M	1320	<a href="#">Myotis brandtii</a>						P	X						
M	1314	<a href="#">Myotis daubentonii</a>						P	X						
M	1330	<a href="#">Myotis mystacinus</a>						P	X						
M	1322	<a href="#">Myotis nattereri</a>						P	X						
R		<a href="#">Natrix natrix</a>						R						X	
M		<a href="#">Neomys fodiens</a>						P						X	
B	A344	<a href="#">Nucifraga</a> <a href="#">caryocatactes</a>						R						X	
M	1331	<a href="#">Nyctalus leisleri</a>						P	X						
M	1312	<a href="#">Nyctalus noctula</a>						P	X						
I		<a href="#">Oeneis glacialis</a>						P				X			
B	A337	<a href="#">Oriolus oriolus</a>						C						X	
I	1057	<a href="#">Parnassius apollo</a>						P	X						
I	1056	<a href="#">Parnassius mnemosyne</a>						P	X						
I		<a href="#">Parnassius phoebus</a>						P			X				
B	A330	<a href="#">Parus major</a>						C						X	
B	A473	<a href="#">Periparus ater</a>						C						X	
B	A473	<a href="#">Periparus ater</a>						C						X	

B	A273	<a href="#">Phoenicurus ochruros</a>						C					X	
B	A274	<a href="#">Phoenicurus phoenicurus</a>						C					X	
B	A572	<a href="#">Phylloscopus collybita</a>						C					X	
B	A314	<a href="#">Phylloscopus sibilatrix</a>						R					X	
B	A316	<a href="#">Phylloscopus trochilus</a>						C					X	
B	A866	<a href="#">Picus viridis</a>						R					X	
M	2016	<a href="#">Pipistrellus kuhlii</a>						P	X					
M	1317	<a href="#">Pipistrellus nathusii</a>						P	X					
M	1309	<a href="#">Pipistrellus pipistrellus</a>						P	X					
M	1326	<a href="#">Plecotus auritus</a>						P	X					
R	1256	<a href="#">Podarcis muralis</a>						P	X					
B	A642	<a href="#">Podiceps auritus auritus</a>						V					X	
B		<a href="#">Poecile alpestris</a>						C					X	
B	A492	<a href="#">Poecile montanus</a>						C					X	
B	A493	<a href="#">Poecile palustris</a>						V					X	
P		<a href="#">Potentilla palustris (L.) Scop.</a>						P			X			
B	A267	<a href="#">Prunella collaris</a>						C					X	
B	A266	<a href="#">Prunella modularis</a>						C					X	
B	A250	<a href="#">Ptyonoprogne rupestris</a>						R					X	
A	1213	<a href="#">Rana temporaria</a>						P		X				
B	A318	<a href="#">Regulus ignicapilla</a>						V					X	
B	A317	<a href="#">Regulus regulus</a>						R			X		X	
M	1369	<a href="#">Rupicapra rupicapra</a>						P		X				
P		<a href="#">Saponaria lutea L.</a>						P			X			
P		<a href="#">Saxifraga biflora All.</a>						P						X
M		<a href="#">Sciurus vulgaris</a>						P					X	
P		<a href="#">Sedum villosum L. ssp. villosum</a>						P			X			
B	A361	<a href="#">Serinus serinus</a>						C					X	
B	A332	<a href="#">Sitta europaea</a>						V					X	
I		<a href="#">Somatochlora alpestris</a>						R						X
I		<a href="#">Somatochlora arctica</a>						C			X			X
M		<a href="#">Sorex</a>						P					X	
M		<a href="#">Sorex alpinus</a>						P					X	
M		<a href="#">Sorex araneus</a>						P					X	
M		<a href="#">Sorex minutus</a>						P					X	
P		<a href="#">Sparganium angustifolium Michx.</a>						P			X			
B	A478	<a href="#">Spinus spinus</a>						C					X	
B	A311	<a href="#">Sylvia atricapilla</a>						C					X	
B	A309	<a href="#">Sylvia communis</a>						V					X	
B	A228	<a href="#">Tachymarptis melba</a>						R					X	
M	1333	<a href="#">Tadarida teniotis</a>						P	X					
P		<a href="#">Trichophorum alpinum (L.) Pers.</a>						P						X
A		<a href="#">Triturus alpestris</a>						P					X	

B	A265	<a href="#">Troglodytes troglodytes</a>								C						X	
B		<a href="#">Turdus torquatus torquatus</a>								P						X	
B	A232	<a href="#">Upupa epops</a>								C						X	
P		<a href="#">Viola pinnata L.</a>								P							X
R		<a href="#">Vipera aspis</a>								P						X	
P		<a href="#">Woodsia alpina (Bolton) S.F. Gray</a>								P							X
R		<a href="#">Zootoca vivipara</a>								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
N07	1.0
N06	2.0
N23	1.0
N20	1.0
N16	1.0
N11	13.0
N08	7.0
N19	1.0
N22	42.0
N17	15.0
N10	16.0
<b>Total Habitat Cover</b>	<b>100</b>

### Other Site Characteristics

Sito dalla morfologia di impronta tipicamente glaciale (riconoscibile per trattiquali circhi glaciali, laghetti alpini, morene, massi erratici, rocce montonate evalli sospese), alla quale si sono poi sovrapposte l?erosione fluviale ed ifenomeni di accumulo gravitativo. Circa metà del territorio è costituito daghiacciai residui, rocce e macereti, un terzo è occupato da prateried?altitudine, pascoli e vallette nivali, e la parte restante, alle quoteinferiori, è coperta essenzialmente da lariceti.

### 4.2 Quality and importance

Riconosciute 19 tipologie ambientali di interesse comunitario, delle quali 3considerate prioritarie dalla D.H. Elevata diversità floristica, con 68 specied?interesse conservazionistico. 132 specie di uccelli, di cui 24 inseritenell?All. 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]

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

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

L	A03		i
H	J02.06.06		i
M	A04.02.01		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 ValliOssolane. 64.Folge, Fortschritte in der Floristik der Schweizer Flora. BotanicaHelvetica. 112/2, pag. 173-200; Della Beffa G., 1994 - Quindici anni di ricercheentomologiche nei parchi della Regione Piemonte. Atti XVII Congresso nazionaleitaliano di Entomologia - Udine 13-18 giugno; I.P.L.A., 1991 - PianoNaturalistico del parco Naturale dell'Alpe Veglia. Regione Piemonte. Assessoratoai Beni Culturali ed Ambientali, Pianificazione Territoriale, Parchi, EntiLocali. (redatto); Mingozi T., Boano G., Pulcher C. e collab., 1988 - Atlantedegli uccelli nidificanti in Piemonte e Val d'Aosta 1980 ? 1984. Mus. Reg.Sienze Nat. (Monografie VIII) Torino; Provincia del VCO e Università di Pavia ?DET, 2003 - Progetto Biodiversità. Aree di importanza naturalistica del VerbanoCusio 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 [%]
IT13	100.0
IT34	14.0

Code	Cover [%]
IT07	25.0
IT04	55.0

Code	Cover [%]
IT35	70.0

### 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
IT42	IT1140021 - Val Formazza	/	8.0
IT35	Galassini & 1497/39	*	70.0
IT07	Oasi di Protezione Formazza	*	21.0
IT13	Vincolo idrogeologico	-	100.0
IT04	Parco Naturale dell'Alpe Veglia e dell'Alpe Devero	+	55.0
IT07	Oasi di Protezione Baceno	*	4.0

### 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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- [2. SITE LOCATION](#)
- [3. ECOLOGICAL INFORMATION](#)
- [4. SITE DESCRIPTION](#)
- [5. SITE PROTECTION STATUS](#)
- [6. SITE MANAGEMENT](#)
- [7. MAP OF THE SITE](#)

## 1. SITE IDENTIFICATION

<b>1.1 Type</b> A	<b>1.2 Site code</b> IT1140017	<a href="#">Back to top</a>
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### 1.3 Site name

Fiume Toce
------------

<b>1.4 First Compilation date</b> 2006-07	<b>1.5 Update date</b> 2022-12
--	-----------------------------------

### 1.6 Respondent:

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

### 1.7 Site indication and designation / classification dates

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

## 2. SITE LOCATION

### 2.1 Site-centre location [decimal degrees]:

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<b>Longitude</b> 8.352684	<b>Latitude</b> 45.993963
------------------------------	------------------------------

<b>2.2 Area [ha]:</b> 2663.0	<b>2.3 Marine area [%]:</b> 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)

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
3150B			2.66		P	A	C	B	A
3230B			2.66		P	B	C	B	C
3240B			50.6		P	B	C	B	B
3260B			2.66		P	B	C	B	B
6510B			537.93		P	B	C	B	B
9160B			31.96		P	B	C	B	B
9180B			21.3		P	B	C	B	B
91E0B			39.95		P	A	C	B	A
9260B			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	<a href="#">Actitis hypoleucos</a>			c				P	DD	D			
B	A229	<a href="#">Alcedo atthis</a>			p				P	DD	C	B	C	B
B	A229	<a href="#">Alcedo atthis</a>			r	11	50	p		G	C	B	C	B
B	A255	<a href="#">Anthus campestris</a>			r	10	10	p		G	C	C	B	C
B	A029	<a href="#">Ardea purpurea</a>			c				P	DD	D			
B	A222	<a href="#">Asio flammeus</a>			c				R	DD	D			
M	1308	<a href="#">Barbastella barbastellus</a>			p				P	DD	D			
F	5086	<a href="#">Barbus caninus</a>			p				P	DD	C	B	C	B
F	5086	<a href="#">Barbus caninus</a>			r				C	DD	C	B	C	B
B	A215	<a href="#">Bubo bubo</a>			p	4	5	p		G	C	B	C	B
B	A133	<a href="#">Burhinus oedicnemus</a>			c				R	DD	D			

B	A243	<a href="#">Calandrella brachydactyla</a>			c				P	DD	C	C	A	C
B	A243	<a href="#">Calandrella brachydactyla</a>			r	2	2	p		G	C	C	A	C
B	A861	<a href="#">Calidris pugnax</a>			c				P	DD	D			
B	A224	<a href="#">Caprimulgus europaeus</a>			r	6	10	p		G	C	C	C	C
B	A224	<a href="#">Caprimulgus europaeus</a>			c				P	DD	C	C	C	C
B	A197	<a href="#">Chlidonias niger</a>			c				R	DD	D			
B	A031	<a href="#">Ciconia ciconia</a>			c				P	DD	D			
B	A080	<a href="#">Circus gallicus</a>			c				R	DD	D			
B	A081	<a href="#">Circus aeruginosus</a>			c				P	DD	D			
B	A082	<a href="#">Circus cyaneus</a>			c				P	DD	D			
B	A084	<a href="#">Circus pygargus</a>			c				P	DD	D			
F	1163	<a href="#">Cottus gobio</a>			p				P	DD	C	B	C	B
B	A122	<a href="#">Crex crex</a>			c				R	DD	D			
B	A480	<a href="#">Cyanecula svecica</a>			c				P	DD	D			
B	A026	<a href="#">Egretta garzetta</a>			c				P	DD	D			
B	A379	<a href="#">Emberiza hortulana</a>			c				R	DD	D			
B	A103	<a href="#">Falco peregrinus</a>			p				P	DD	C	B	C	B
B	A321	<a href="#">Ficedula albicollis</a>			c				R	DD	C	B	C	B
B	A321	<a href="#">Ficedula albicollis</a>			r	1	1	p		G	C	B	C	B
B	A092	<a href="#">Hieraetus pennatus</a>			c				R	DD	D			
B	A022	<a href="#">Ixobrychus minutus</a>			c				P	DD	D			
B	A338	<a href="#">Lanius collurio</a>			r	11	50	p		G	C	C	C	B
B	A338	<a href="#">Lanius collurio</a>			c				P	DD	C	C	C	B
F	1097	<a href="#">Lethenteron zanandreae</a>			p				P	DD	C	B	C	B
B	A246	<a href="#">Lullula arborea</a>			c				P	DD	C	B	C	B
B	A246	<a href="#">Lullula arborea</a>			r	5	5	p		G	C	B	C	B
B	A073	<a href="#">Milvus migrans</a>			c				P	DD	D			
B	A074	<a href="#">Milvus milvus</a>			c				P	DD	D			
B	A023	<a href="#">Nycticorax nycticorax</a>			c				P	DD	D			
B	A094	<a href="#">Pandion haliaetus</a>			c				P	DD	D			
B	A072	<a href="#">Pernis apivorus</a>			c				P	DD	D			
F	1107	<a href="#">Salmo marmoratus</a>			p				C	DD	C	B	C	B
B	A307	<a href="#">Sylvia nisoria</a>			c				P	DD	C	C	A	C
B	A307	<a href="#">Sylvia nisoria</a>			r	10	10	p		G	C	C	A	C
F	5331	<a href="#">Telestes muticellus</a>			p				C	DD	C	B	C	B
B	A166	<a href="#">Tringa glareola</a>			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	<a href="#">Lacerta bilineata</a>						P	X					
A	6976	<a href="#">Pelophylax esculentus</a>						P		X				
R	1256	<a href="#">Podarcis muralis</a>						P	X					
F	1109	<a href="#">Thymallus thymallus</a>						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
N09	1.0
N19	1.0
N15	24.0
N06	10.0
N23	7.0
N22	14.0
N10	21.0
N20	3.0
N11	1.0
N16	18.0
<b>Total Habitat Cover</b>	<b>100</b>

### 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 a livello regionale e per l'Italia settentrionale), la chiropterofauna 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]
H	I01		i
M	I		i
M	A03.03		i

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

M	A06.02.02		i
L	J02.01.03		i
M	D04		i
L	D02.02		i
L	D01.01		i
H	A04.03		i
L	D01.02		i
L	G01.02		i
M	G01.03.01		i
M	G01		i
H	J02		i
M	A02.03		i
H	J02.06.04		i
H	E02		i
L	D01.05		i
M	L08		i
M	D02.01.01		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 [%]
IT35	1.0	IT13	3.0	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 [%]
-----------	-----------	------	-----------

IT13	Vincolo idrogeologico	*	3.0
IT41	IT1140006 -Greto T.te Toce tra Domodossola e Villadossola	+	30.0
IT42	IT1140001 - Fondo Toce	/	1.0
IT05	Riserva naturale di Fondo Toce	/	1.0
IT35	1497/39	*	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

### 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". Tutt'al'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 Gravellona 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: <a href="http://www.regione.piemonte.it/parchi/cms/dati-territoriali-new/aree-protette-e-m2000/pianificazione-e-norme.html">http://www.regione.piemonte.it/parchi/cms/dati-territoriali-new/aree-protette-e-m2000/pianificazione-e-norme.html</a>
<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 IT1140021  
SITENAME Val Formazza

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- [4. SITE DESCRIPTION](#)
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- [6. SITE MANAGEMENT](#)
- [7. MAP OF THE SITE](#)

## 1. SITE IDENTIFICATION

1.1 Type A	1.2 Site code IT1140021	<a href="#">Back to top</a>
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### 1.3 Site name

Val Formazza

1.4 First Compilation date 2007-07	1.5 Update date 2022-12
---------------------------------------	----------------------------

### 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:	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





B	A309	<a href="#">Sylvia communis</a>								P	DD	C	B	C	B
B	A574	<a href="#">Sylvia curruca</a>								P	DD	C	B	C	B
B	A574	<a href="#">Sylvia curruca</a>								P	DD	C	B	C	B
B	A228	<a href="#">Tachymarptis melba</a>				1	5		p		G	C	C	C	C
B	A228	<a href="#">Tachymarptis melba</a>				6	20		i		G	C	C	C	C
B	A165	<a href="#">Tringa ochropus</a>								P	DD	C	C	C	B
B	A283	<a href="#">Turdus merula</a>								P	DD	C	B	C	B
B	A285	<a href="#">Turdus philomelos</a>								P	DD	C	B	C	B
B	A287	<a href="#">Turdus viscivorus</a>								P	DD	C	B	C	B
B	A142	<a href="#">Vanellus vanellus</a>								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	A474	<a href="#">Acanthis flammea</a>						P					X		
B	A086	<a href="#">Accipiter nisus</a>						P					X		
B	A168	<a href="#">Actitis hypoleucos</a>			6	10	i						X		
B	A324	<a href="#">Aegithalos caudatus</a>						P					X		
I		<a href="#">Agriades glandon</a>						P						X	
P		<a href="#">Androsace vandellii</a>						P			X				
B	A259	<a href="#">Anthus spinoletta</a>						P					X		
P	1480	<a href="#">Aquilegia alpina</a>						P	X						
B	A028	<a href="#">Ardea cinerea</a>						P					X		
P	1762	<a href="#">Arnica montana</a>						C		X					
P	1764	<a href="#">Artemisia genipi</a>						P		X					
B	A221	<a href="#">Asio otus</a>			1	5	i						X		
I		<a href="#">Boloria napaea</a>						P						X	
B	A087	<a href="#">Buteo buteo</a>						P					X		
M	1375	<a href="#">Capra ibex</a>						P		X					
M		<a href="#">Capreolus capreolus</a>						P					X		
B	A623	<a href="#">Carduelis citrinella</a>						P					X		
P		<a href="#">Carex pauciflora</a>						P			X				
M		<a href="#">Cervus elaphus</a>						P					X		
B	A264	<a href="#">Cinclus cinclus</a>			1	5	i						X		
I		<a href="#">Colias palaeno</a>						P			X				
I		<a href="#">Colias phicomone</a>						P						X	



P		<a href="#">Saponaria lutea</a>						P			X		
P		<a href="#">Sparganium angustifolium</a>						P			X		
B	A311	<a href="#">Sylvia atricapilla</a>						P				X	
B	A333	<a href="#">Tichodroma muraria</a>			11	50	i					X	
P		<a href="#">Tofieldia pusilla (Michx.) Pers.</a>						P			X		
A		<a href="#">Triturus alpestris</a>						P				X	
B	A265	<a href="#">Troglodytes troglodytes</a>						P				X	
B		<a href="#">Turdus torquatus alpestris</a>						P				X	
I		<a href="#">Vacciniina optilete</a>						P				X	
P		<a href="#">Woodsia alpina (Bolton) S.F. Gray</a>						P					X
I		<a href="#">Zygaena exulans</a>						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	4.0
N08	17.0
N15	1.0
N17	16.0
N11	33.0
N06	2.0
N22	24.0
N19	3.0
<b>Total Habitat Cover</b>	<b>100</b>

### 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 lepidotterofauna. 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]

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

M	F03.01		i
M	D01.02		i
H	G01.08		i
M	C01		i
H	D02.01.01		i
L	E01.03		i
H	A04.03		i
M	G01.06		i
L	K01.01		i
M	G01		i
M	G01.05		i
M	G01.02		i
L	G05.01		i
M	G01.03		i
M	M01.01		i
M	F03.02.01		i
M	D01.01		i
H	I01		i
M	J02.05		i
H	J02.06.06		i

M	A04.02		i
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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	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. Masera (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. Masera (VB), pp. 39. //Pompilio L., 2001 - Risultati dei censimenti primaverili ed estivi di Fagiano di monte, Coturnice, Pernice bianca e Lepre bianca ed

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 //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)

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

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

### 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
IT41	IT1140004 - Alta Val Formazza	+	26.0
IT07	Oasi di protezione Bagni di Craveggia	/	1.0
IT95	Val Formazza	+	22.0
IT07	Oasi di protezione Formazza	*	17.0
IT31	Val Isorno	+	3.0
IT07	Oasi di protezione Montecrestese Valle Vigezzo	*	5.0
IT07	Oasi di protezione Montecrestese	*	5.0
IT31	Stavello	+	1.0
IT07	Oasi di protezione Santa Marita Maggiore	/	1.0
IT41	IT1140016 - Alpi Veglia e Devero - Monte Give	/	5.0
IT13	Vincolo idrogeologico	*	36.0
IT42	IT1140016 - Alpi Veglia e Devero - Monte Give	/	5.0
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

### 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 type="checkbox"/>



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-

## 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 UMT 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