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 **IT2070001**

SITENAME **Torbiere del Tonale**

TABLE OF CONTENTS

- 1. SITE IDENTIFICATION
- 2. SITE LOCATION
- 3. ECOLOGICAL INFORMATION
- 4. SITE DESCRIPTION
- 5. SITE PROTECTION STATUS AND RELATION WITH CORINE BIOTOPES
- 6. IMPACTS AND ACTIVITIES IN AND AROUND THE SITE
- 7. MAP OF THE SITE

1. SITE IDENTIFICATION

Back to top

1.1 Type	1.2 Site code
B	IT2070001

1.3 Site name

Torbiere del Tonale

1.4 First Compilation date	1.5 Update date
1995-11	2012-10

1.6 Respondent:

Name/Organisation:	Regione Lombardia Direzione Generale Sistemi Verdi e Paesaggio, U.O. Parchi e Rete Natura 2020, Struttura Valorizzazione delle aree protette e biodiversità
Address:	Piazza Città di Lombardia 1, 20124 Milano
Email:	sistemi_verdi_paesaggio@pec.regione.lombardia.it

Date site proposed as SCI:	1995-06
Date site confirmed as SCI:	No data
Date site designated as SAC:	No data
National legal reference of SAC designation:	No data

2. SITE LOCATION

Back to top

2.1 Site-centre location [decimal degrees]:

Longitude	Latitude
10.575	46.25333333333333

2.2 Area [ha]:

47.0

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
ITC4	Lombardia

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
7140			12.05			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				P	DD	D			
B	A257	Anthus pratensis			c				P	DD	D			
B	A259	Anthus spinoletta			r				P	DD	D			
B	A256	Anthus trivialis			r				P	DD	D			
B	A226	Apus apus			r				P	DD	D			
B	A366	Carduelis cannabina			r				P	DD	D			
B	A364	Carduelis carduelis			r				P	DD	D			
B	A363	Carduelis chloris			r				P	DD	D			
B	A368	Carduelis flammea			r				P	DD	D			
B	A365	Carduelis spinus			r				P	DD	D			
B	A212	Cuculus canorus			r				P	DD	D			
B	A253	Delichon urbica			c				P	DD	D			
P	1393	Drepanocladus vernicosus			p				P	DD	A	A	A	A
B	A378	Emberiza cia			r				P	DD	D			
B	A376	Emberiza citrinella			r				P	DD	D			
B	A269	Erithacus rubecula			r				P	DD	D			
B	A096	Falco tinnunculus			r				P	DD	D			
B	A322	Ficedula hypoleuca			c				P	DD	D			
B	A359	Fringilla coelebs			r				P	DD	D			
B	A360	Fringilla montifringilla			c				P	DD	D			
B	A153	Gallinago gallinago			c				P	DD	D			
B	A299	Hippolais icterina			c				P	DD	D			
B	A338	Lanius collurio			r				P	DD	D			
B	A340	Lanius excubitor			c				P	DD	D			
B	A369	Loxia curvirostra			r				P	DD	D			
B	A358	Montifringilla nivalis			r				P	DD	D			

B	A262	Motacilla alba			r				P	DD	D			
B	A261	Motacilla cinerea			r				P	DD	D			
B	A260	Motacilla flava			c				P	DD	D			
B	A319	Muscicapa striata			r				P	DD	D			
B	A277	Oenanthe oenanthe			r				P	DD	D			
B	A328	Parus ater			r				P	DD	D			
B	A329	Parus caeruleus			r				P	DD	D			
B	A327	Parus cristatus			r				P	DD	D			
B	A354	Passer domesticus			r				P	DD	D			
B	A273	Phoenicurus ochruros			r				P	DD	D			
B	A274	Phoenicurus phoenicurus			r				P	DD	D			
B	A313	Phylloscopus bonelli			r				P	DD	D			
B	A315	Phylloscopus collybita			r				P	DD	D			
B	A314	Phylloscopus sibilatrix			c				P	DD	D			
B	A316	Phylloscopus trochilus			c				P	DD	D			
B	A267	Prunella collaris			r				P	DD	D			
B	A266	Prunella modularis			r				P	DD	D			
B	A250	Ptyonoprogne rupestris			r				P	DD	D			
B	A345	Pyrrhocorax graculus			r				P	DD	D			
B	A317	Regulus regulus			r				P	DD	D			
B	A275	Saxicola rubetra			r				P	DD	D			
B	A276	Saxicola torquata			c				P	DD	D			
B	A311	Sylvia atricapilla			r				P	DD	D			
B	A310	Sylvia borin			c				P	DD	D			
B	A308	Sylvia curruca			r				P	DD	D			
B	A409	Tetrao tetrix tetrix			p				P	DD	D			
B	A409	Tetrao tetrix tetrix			r				P	DD	D			

B	A265	Troglodytes troglodytes			r				P	DD	D			
B	A283	Turdus merula			r				P	DD	D			
B	A285	Turdus philomelos			r				P	DD	D			
B	A284	Turdus pilaris			r				P	DD	D			
B	A282	Turdus torquatus			r				P	DD	D			
B	A287	Turdus viscivorus			r				P	DD	D			

- **Group:** A = Amphibians, B = Birds, F = Fish, I = Invertebrates, M = Mammals, P = Plants, R = Reptiles
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Type:** p = permanent, r = reproducing, c = concentration, w = wintering (for plant and non-migratory species use permanent)
- **Unit:** i = individuals, p = pairs or other units according to the Standard list of population units and codes in accordance with Article 12 and 17 reporting (see reference portal)
- **Abundance categories (Cat.):** C = common, R = rare, V = very rare, P = present - to fill if data are deficient (DD) or in addition to population size information
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation); VP = 'Very poor' (use this category only, if not even a rough estimation of the population size can be made, in this case the fields for population size can remain empty, but the field "Abundance categories" has to be filled in)

3.3 Other important species of flora and fauna (optional)

Species					Population in the site				Motivation					
Group	CODE	Scientific Name	S	NP	Size		Unit	Cat.	Species Annex		Other categories			
					Min	Max		C|R|V|P	IV	V	A	B	C	D
P		Andromeda polifolia						P			X			
P	1762	Arnica montana montana						P		X				
P		Betula pubescens						P						X
P		Campanula barbata						P						X
P		Campanula scheuchzeri scheuchzeri						P						X
P		Carex dioica						P						X
P		Carex lasiocarpa						P						X
P		Carex limosa						P						X
P		Carex pauciflora						P			X			
P		Cirsium heterophyllum						P						X
P		Dactylorhiza incarnata						P						X

		cruenta												
P		Dactylorhiza incarnata incarnata						P					X	
P		Dactylorhiza maculata						P					X	
P		Dactylorhiza maculata fuchsii						P					X	
P		Daphne striata						P						X
P		Diphasiastrum alpinum						P		X				
P		Drosera rotundifolia						P						X
P		Dryopteris carthusiana						P						X
P		Eleocharis quinqueflora						P						X
P		Empetrum hermaphroditum						P						X
P		Epilobium nutans						P						X
P		Epilobium palustre						P						X
P		Eriophorum angustifolium						P						X
P		Eriophorum latifolium						P						X
P		Eriophorum vaginatum						P						X
P		Euphrasia officinalis picta						P						X
P		Gentiana acaulis						P						X
P		Gentiana punctata						P						X
P		Gymnadenia conopsea						P					X	
P		Hieracium lactucella						P						X
P		Lycopodiella inundata						P			X			
P		Menyanthes trifoliata						P						X
I	1057	Parnassius apollo						P	X					
P		Primula farinosa						P						X
P		Pseudorchis albida						P					X	
A	1213	Rana temporaria						P		X				
		Rhododendron												

P		ferrugineum						P						X
P		Salix glaucosericea						P				X		
P		Salix helvetica						P				X		
P		Saxifraga aizoides						P						X
P		Saxifraga seguieri						P						X
P		Scheuchzeria palustris						P						X
P		Streptopus amplexifolius						P						X
P		Trichophorum alpinum						P						X
P		Triglochin palustre						P						X
P		Utricularia minor						P						X
P		Vaccinium microcarpum						P			X			
P		Vaccinium uliginosum uliginosum						C						X
P		Viola palustris						C						X
R		Vipera berus						P					X	
M		Vulpes vulpes						C					X	
R		Zootoca vivipara						P					X	

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

4. SITE DESCRIPTION

Back to top

4.1 General site character

Habitat class	% Cover
N23	3.0
N07	47.0
N08	50.0
Total Habitat Cover	100

Other Site Characteristics

Area adiacente a impianti turistici e di risalita, prevalentemente occupata da torbiere acide, intermedie e basse. Sono presenti molte pozze circolari, originate dall'esplosione di granate durante la Prima Guerra Mondiale, numerose sorgenti e percolazioni che danno origine a un cospicuo reticolo di ruscelli. Sui versanti più acclivi crescono cespuglieti ad Alnus viridis e consorzi ad alte erbe alternati a cespuglieti di Rhododendron ferrugineum e lembi di prateria acidofila (nardeti) che, unitamente alle zone umide, danno origine a un variegato mosaico vegetazionale.

4.2 Quality and importance

Sito di elevata importanza geobotanica sia per la varietà e vastità del mosaico vegetazionale igrofilo sia per la presenza di molte specie rare, quali Andromeda polifolia, Vaccinium microcarpum, Carex lasiocarpa, Scheuchzeria palustris, Dactylorhiza cruenta, Lycopodiella inundata e Utricularia minor. Gli aspetti vegetazionali di maggior rilievo sono costituiti da ampi lembi di torbiera intermedia sparsi in tutta l'area e da piccoli lembi di saliceto misto, di saliceto a S. foetida e S. helvetica.

5. SITE PROTECTION STATUS (optional)

Back to top

5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT04	100.0				

6. SITE MANAGEMENT

Back to top

6.1 Body(ies) responsible for the site management:

Organisation:	Parco Regionale Adamello
Address:	Piazza Città di Lombardia 1, 20124 Milano
Email:	info@parcoadamello.it

6.2 Management Plan(s):

An actual management plan does exist:

- [ ] Yes
- [ ] No, but in preparation
- [X] No

7. MAP OF THE SITES

Back to top

INSPIRE ID:

Map delivered as PDF in electronic format (optional)

- [ ] Yes
- [X] No

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

173-IISO 173-IISE 1:25000 UTM