



ANAS S.p.A.

Direzione Generale

DG 41/08

LAVORI DI COSTRUZIONE DEL 3° MEGALOTTO DELLA S.S. 106 JONICA - CAT. B -
DALL'INNESTO CON LA S.S. 534 (km 365+150) A ROSETO CAPO SPULICO (km 400+000)

PROGETTO DEFINITIVO

RICHIESTE DELLA COMMISSIONE TECNICA VIA (CTVA-00_2014-0001290)

Integrazione n.23 - ALLEGATI

CONTRAENTE GENERALE:
Società di Progetto

SIRJO S.C.p.A.

Presidente:
Ing. Pietro Mario Gianvecchio

PROGETTAZIONE :



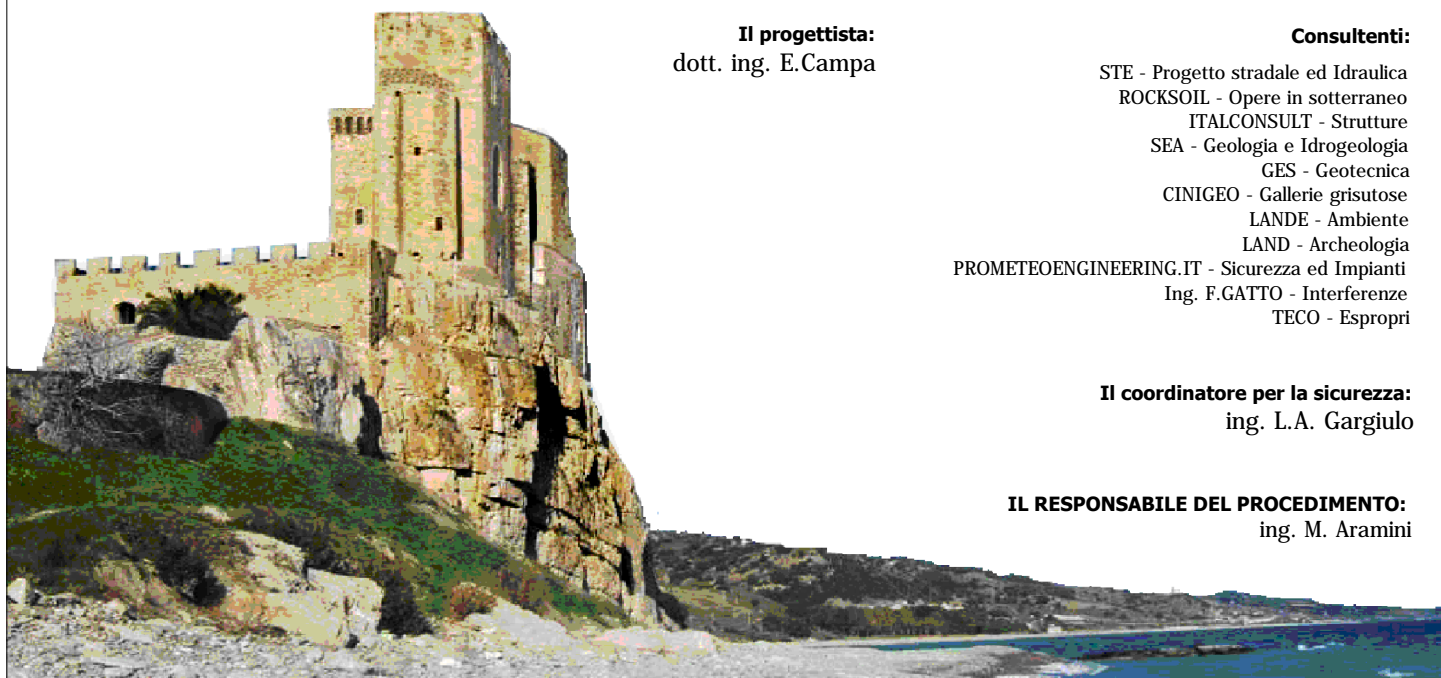
Il progettista:
dott. ing. E.Campa

Consultenti:

STE - Progetto stradale ed Idraulica
ROCKSOIL - Opere in sotterraneo
ITALCONSULT - Strutture
SEA - Geologia e Idrogeologia
GES - Geotecnica
CINIGEO - Gallerie grisutose
LANDE - Ambiente
LAND - Archeologia
PROMETEOENGINEERING.IT - Sicurezza ed Impianti
Ing. F.GATTO - Interferenze
TECO - Espropri

Il coordinatore per la sicurezza:
ing. L.A. Gargiulo

IL RESPONSABILE DEL PROCEDIMENTO:
ing. M. Aramini



ALLEGATO I23 - e4

VALUTAZIONE DI INCIDENZA

Schede dei SIC e ZPS interferiti dall'opera



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 IT9310017
SITENAME Gole del Raganello

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

1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IT9310017	Back to top
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1.3 Site name

Gole del Raganello

1.4 First Compilation date 1995-06	1.5 Update date 2013-10
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1.6 Respondent:

Name/Organisation: Regione Calabria – Dipartimento Politiche dell'Ambiente
Address: Viale Isonzo 414 - 88100 Catanzaro
Email: dipartimento.ambiente@pec.regione.calabria.it

Date site proposed as SCI:	1995-09
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

2.1 Site-centre location [decimal degrees]:

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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	A091	Aquila chrysaetos			p				P	DD	C	B	C	B		
B	A215	Bubo bubo			p	1	1	p		G	C	B	B	A		
B	A403	Buteo rufinus			c				P	DD	C	B	C	B		
B	A030	Ciconia nigra			c				P	DD	C	B	C	B		
B	A080	Circaetus gallicus			c				P	DD	C	B	C	B		
B	A081	Circus aeruginosus			c				P	DD	C	B	C	B		
B	A082	Circus cyaneus			c				P	DD	C	B	C	B		
B	A084	Circus pygargus			c				P	DD	C	B	C	B		
B	A103	Falco peregrinus			p	2	2	p		M	C	B	C	B		
B	A097	Falco vespertinus			p				P	DD	C	B	C	B		
B	A078	Gyps fulvus			p				P	DD	C	B	C	B		
B	A093	Hieraetus fasciatus			c				P	DD	C	B	C	B		
I	1062	Melanargia arge			p				P	DD	D					
B	A073	Milvus migrans			c				P	DD	C	B	C	B		
B	A074	Milvus milvus			w	10	15	i		M	B	B	C	B		
B	A077	Neophron percnopterus			c				P	DD	C	B	C	B		
B	A072	Pernis apivorus			c				C	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)

4. SITE DESCRIPTION

4.1 General site character

Habitat class	% Cover
N08	35.0
N22	45.0
N06	20.0
Total Habitat Cover	100

Other Site Characteristics

Raro esempio di gola stretta con pareti elevate verticali

4.2 Quality and importance

Area particolarmente umida con presenza di specie vegetali atipiche per la zona. Area di grande interesse per la presenza e nidificazione di specie ornitiche di rilevante importanza

4.4 Ownership (optional)

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

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT02		IT01	100.0		

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT02	Riserva Naturale "Gole del Raganello"	/	
IT01	Riserva Naturale "Gole del Raganello"	/	

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Ente Parco Pollino.
Address:	Complesso monumentale Santa Maria della Consolazione. 85048 Rotonda (PZ). Tel. 0973/669311
Email:	ente@parcopollino.it

6.2 Management Plan(s):

An actual management plan does exist:

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

6.3 Conservation measures (optional)

In preparazione

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).

187SO 1:25.000 UTM



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 IT9310040
SITENAME Montegiordano Marina

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IT9310040	Back to top
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1.3 Site name

Montegiordano Marina

1.4 First Compilation date 1995-06	1.5 Update date 2013-10
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1.6 Respondent:

Name/Organisation: Regione Calabria – Dipartimento Politiche dell'Ambiente
Address: Viale Isonzo 414 - 88100 Catanzaro
Email: dipartimento.ambiente@pec.regione.calabria.it

Date site proposed as SCI:	1995-09
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

2.1 Site-centre location [decimal degrees]:

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					Min	Max				Pop.	Con.	Iso.	Glo.
B	A227	Apus pallidus			r				P	DD	D		
B	A364	Carduelis carduelis			p				P	DD	C	B	B C
B	A363	Carduelis chloris			p				P	DD	C	B	B C
B	A253	Delichon urbica			r				P	DD	C	B	B C
B	A244	Galerida cristata			p				P	DD	C	B	B C
B	A251	Hirundo rustica			r				P	DD	C	B	B C
B	A262	Motacilla alba			p				P	DD	C	B	B C
B	A356	Passer montanus			p				P	DD	C	B	B C
B	A361	Serinus serinus			p				P	DD	C	B	B C
B	A209	Streptopelia decaocto			p				P	DD	D		
B	A305	Sylvia melanocephala			p				P	DD	C	B	B C

- **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		SARCOPOTERIUM SPINOSUM (L.) SPACH						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

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4.1 General site character

Habitat class	% Cover
N08	17.0
N04	78.0
N15	5.0
Total Habitat Cover	100

Other Site Characteristics

Gariga costiera su sabbie compatte. Il sito delimita un tratto di litorale sabbioso caratterizzato dalla presenza di una popolazione di *Sarcopoterium spinosum*. Si tratta di una gariga psammofila ad arbusti bassi in cui a *Sarcopoterium* si associano altre specie camefitiche quali *Helichrysum italicum* e *Thymus capitatus*. Questo tipo di comunità è particolarmente rara nel territorio regionale, mentre risulta ben rappresentato nella penisola balcanica (Phrygana). Nel popolamento di Montegiordano sono presenti anche elementi arbustivi riferibili a fitocenosi dell'Oleo-ceratonion quali *Pistacia lentiscus*, *Myrtus communis*, *Juniperus oxycedrus* e *Vitex Agnus-castus* che dovevano costituire una fascia di vegetazione continua a ridosso delle garighe a *Sarcopoterium*, ma che oggi appare notevolmente frammentata e degradata. Il popolamento è concentrato lungo le sponde del tratto terminale di un piccolo corso d'acqua che in estate è completamente asciutto ed in parte ricoperto da vegetazione igro-nitrofila, caratterizzata da specie nitrofile tipiche di ambienti ruderali quali *Heliotropium europaeum* L., *Solanum nigrum* L., *Amaranthus albus* L., e di specie di ambienti umidi (*Bolboschoenus maritimus* (L.) Palla, *Juncus hybridus* Brot., *Veronica Anagallis-aquatica* L. E *Polygonum lapathifolium*. Questa vegetazione viene riferita all'associazione Conizo canadensis-chenopodietum botryos (Biondi et al., 1994), descritta per le fiumare della Calabria e inquadrabile nei *Chenopodietalia muralis* (br.-bl., 1931 em. Bolos, 1962). Le fitocenosi pioniere della serie psammofila (*Cakiletea maritima*) sono molto frammentate e frammiste a comunità nitro-alofile (*Xanthium italicum*, *Chenopodium* sp. Pl., ecc.).

4.2 Quality and importance

Il sito delimita un tratto di litorale sabbioso caratterizzato dalla presenza di una popolazione di *Sarcopoterium spinosum*. Si tratta di una gariga psammofila ad arbusti bassi in cui a *Sarcopoterium* si associano altre specie camefitiche quali *Helichrysum italicum* e *Thymus capitatus*.

4.4 Ownership (optional)

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

4.5 Documentation

Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete "Natura 2000" nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza. Gargano D., Fenu G., Medagli P., Sciandrello S., Bernardo L., 2007. The status of *Sarcopoterium spinosum* (Rosaceae) at the western periphery of its range: ecological constraints lead to conservation concerns. *Israel Journal of Plant Sciences*, 55(1): 1-13.

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT00	100.0				

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Provincia di Cosenza
Address:	Piazza XV Marzo n. 5 87100 Cosenza Tel: +39098426800
Email:	info@provincia.cs.it

6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/> Yes	Name: Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete "Natura 2000" nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza. Link: http://www.regione.calabria.it/ambiente/index.php?option=com_content&task=view&id=191&Itemid=79
<input type="checkbox"/> No, but in preparation	
<input type="checkbox"/> No	

6.3 Conservation measures (optional)

da proporre

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).

<input type="text"/>



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 IT9310041
SITENAME Pinete di Montegiordano

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IT9310041	Back to top
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1.3 Site name

Pinete di Montegiordano

1.4 First Compilation date 1995-06	1.5 Update date 2013-10
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1.6 Respondent:

Name/Organisation: Regione Calabria – Dipartimento Politiche dell'Ambiente
Address: Viale Isonzo 414 - 88100 Catanzaro
Email: dipartimento.ambiente@pec.regione.calabria.it

Date site proposed as SCI:	1995-09
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

2.1 Site-centre location [decimal degrees]:

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Longitude

16.521808

Latitude

40.030233

2.2 Area [ha]:

186.0

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**

ITF6

Calabria

2.6 Biogeographical Region(s)Mediterranean (100.0
%)**3. ECOLOGICAL INFORMATION**[Back to top](#)**3.1 Habitat types present on the site and assessment for them**

Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [ha]	Cave [number]	Data quality	A B C D	A B C		
						Representativity	Relative Surface	Conservation	Global
5210			9.32			C	C	B	B
5330			18.65			B	C	B	B
6220			27.97			B	C	B	B
9540			27.97			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

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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	A087	Buteo buteo			p				C	DD	C	B	C	B
B	A364	Carduelis carduelis			p				P	DD	C	B	C	B
B	A208	Columba palumbus			p				P	DD	C	B	C	B
B	A350	Corvus corax			p				P	DD	C	B	C	B
R	1279	Elaphe quatuorlineata			p				P	DD	B	B	B	B
B	A359	Fringilla coelebs			p				P	DD	C	B	C	B
B	A251	Hirundo rustica			r				P	DD	B	B	C	B
B	A230	Merops apiaster			r				P	DD	C	B	C	B
B	A073	Milvus migrans			c				P	DD	D			
B	A074	Milvus milvus			c				P	DD	D			
B	A329	Parus caeruleus			p				P	DD	C	B	B	B
B	A361	Serinus serinus			p				P	DD	C	B	C	B
B	A305	Sylvia melanocephala			p				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
R	1281	Elaphe longissima						C	X					

sum	100
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4.5 Documentation

Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete "Natura 2000" nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza.
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5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT00	100.0				

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Provincia di Cosenza
Address:	Piazza XV Marzo n. 5 87100 Cosenza Tel: +39098426800
Email:	info@provincia.cs.it

6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/> Yes	Name: Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete "Natura 2000" nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza. Link: http://www.regione.calabria.it/ambiente/index.php?option=com_content&task=view&id=191&Itemid=79
<input type="checkbox"/> No, but in preparation	
<input type="checkbox"/> No	

6.3 Conservation measures (optional)

da proporre

7. MAP OF THE SITES

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INSPIRE ID:

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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).

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265NE 265NO 265SE 1:25.000 UTM



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 IT9310042
SITENAME Fiumara Saraceno

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IT9310042	Back to top
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1.3 Site name

Fiumara Saraceno

1.4 First Compilation date 1995-06	1.5 Update date 2013-10
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1.6 Respondent:

Name/Organisation:	Regione Calabria – Dipartimento Politiche dell'Ambiente
Address:	Viale Isonzo 414 - 88100 Catanzaro
Email:	dipartimento.ambiente@pec.regione.calabria.it

Date site proposed as SCI:	1995-09
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

2.1 Site-centre location [decimal degrees]:

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Longitude
16.4783333333333

Latitude
39.8752777777778

2.2 Area [ha]:
1047.0

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**

ITF6	Calabria
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2.6 Biogeographical Region(s)

Mediterranean (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
3250			104.67			A	C	B	B
5210			219.82			B	C	B	B
5420					P	D			
6220			83.74			B	C	B	B
92D0			104.67			B	C	B	B
9340			104.67			B	C	B	B
9540			62.8			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	A168	Actitis hypoleucos			c				P	DD	C	B	C	B
B	A255	Anthus campestris			p				P	DD	D			
B	A133	Burhinus oedicnemus			r				P	DD	D			
B	A087	Buteo buteo			p				P	DD	C	B	C	B
B	A243	Calandrella brachydactyla			r				P	DD	D			
B	A363	Carduelis chloris			p				P	DD	C	B	C	B
B	A289	Cisticola juncidis			r				P	DD	C	B	C	B
B	A208	Columba palumbus			p				P	DD	C	B	C	B
B	A253	Delichon urbica			r				P	DD	C	B	C	B
R	1279	Elaphe quatuorlineata			p				P	DD	B	B	B	B
B	A377	Emberiza cirius			p				P	DD	C	B	C	B
B	A096	Falco tinnunculus			p				P	DD	C	B	C	B
B	A244	Galerida cristata			p				P	DD	C	B	C	B
B	A251	Hirundo rustica			r				P	DD	C	B	C	B
B	A341	Lanius senator			r				P	DD	C	B	C	B
B	A184	Larus argentatus			c				P	DD	C	B	C	B
B	A262	Motacilla alba			p				P	DD	C	B	C	B
B	A330	Parus major			p				P	DD	C	B	C	B
A	1175	Salamandrina terdigitata			p				P	DD	C	B	B	B
B	A361	Serinus serinus			p				P	DD	B	B	C	B
B	A305	Sylvia melanocephala			p				P	DD	C	B	C	B

B	A232	Upupa epops		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
A	1201	Bufo viridis						C	X					
R	1283	Coronella austriaca						C	X					
P		Festuca calabrica Huter, P. et R.						R				X		
A		Hyla italica						C				X		
P		Juniperus phoenicea L.						C						X
R		Lacerta bilineata						C					X	
P		Sarcopoterium spinosum (L.) Spach						R			X			
P		Teucrium fruticans L.						R						X
A	1168	Triturus italicus						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

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4.1 General site character

Habitat class	% Cover
N22	15.0
N23	1.0
N18	1.0
N20	4.0
N06	4.0
N16	5.0
N12	7.0
N09	5.0
N17	7.0
N04	1.0
N21	5.0
N08	45.0
Total Habitat Cover	100

Other Site Characteristics

Ampia fiumara del versante ionico calabrese con ingente attività erosiva e apporto detritico a valle. Presenza di macchia a *Nerium oleander* e *Pinus halepensis* con specie vegetali di notevole interesse biogeografico (*Sarcopoterium spinosum* e *Teucrium fruticans*).

4.2 Quality and importance

Presenza a macchia di *Nerium oleander* e *Pinus halepensis* con presenza di vegetali di notevole interesse biogeografico (*Sarcopoterium spinosum* e *Teucrium fruticans*): Comunità ornitica di particolare interesse. L'interesse di questo sito è legato alla presenza di pinete naturali a *Pinus halepensis* in buono stato di conservazione che costituiscono una fascia più o meno continua lungo i pendii della valle. Presenza di macchia a *Nerium oleander* e *Pinus halepensis* con specie vegetali di notevole interesse biogeografico: *Sarcopoterium spinosum* (L.) Spach è specie in rapida riduzione in Calabria: negli ultimi venti anni non è stata più rinvenuta lungo la costa crotonese e il suo areale lungo la costa ionica settentrionale si è sensibilmente frammentato. *Juniperus phoenicea* L.s.l., in Calabria è rara e probabilmente in riduzione a causa dello sfruttamento delle coste

4.4 Ownership (optional)

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

4.5 Documentation

BRULLO S. & SPAMPINATO G., 1997 – Indagine sulle ripisilve della Calabria (Italia meridionale). *Lazaroa* 18: 105-151. SPAMPINATO G., 1990 - Osservazioni fitosociologiche sulla vegetazione forestale della Valle del Saraceno (Calabria nord-orientale). *Boll. Acc. Gioenia Sci. Nat.*, 23: 733-749. COCCO E., DI GERONIMO S., MEZZADRI S., PAREA G., PESCATORE T., VALLONI R., VINCI A. (1975), "Lineamenti Geomorfologici e sedimentologici del litorale Alto Jonico"; *Boll. Soc. Geol. It.*, 94, 933-1051. Piano di Gestione dei Siti di

Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete "Natura 2000" nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza.

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT00	100.0				

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Provincia di Cosenza
Address:	Piazza XV Marzo n. 5 87100 Cosenza Tel: +39098426800
Email:	info@provincia.cs.it

6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/>	Yes	Name: Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete "Natura 2000" nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza. Link: http://www.regione.calabria.it/ambiente/index.php?option=com_content&task=view&id=191&Itemid=79
<input type="checkbox"/>	No, but in preparation	
<input type="checkbox"/>	No	

6.3 Conservation measures (optional)

da proporre

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).

254NE 254SE 255NO 255SO 1:25.000 UTM



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 IT9310043
SITENAME Fiumara Avena

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

1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IT9310043	Back to top
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1.3 Site name

Fiumara Avena

1.4 First Compilation date 1995-06	1.5 Update date 2013-10
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1.6 Respondent:

Name/Organisation:	Regione Calabria – Dipartimento Politiche dell'Ambiente
Address:	Viale Isonzo 414 - 88100 Catanzaro
Email:	dipartimento.ambiente@pec.regione.calabria.it

Date site proposed as SCI:	1995-09
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

2.1 Site-centre location [decimal degrees]:

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Longitude
16.5241666666667

Latitude
39.9219444444444

2.2 Area [ha]:
965.0

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**

ITF6	Calabria
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2.6 Biogeographical Region(s)

Mediterranean (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
3250			144.79			A	C	B	B
5420			0.97			D			
6220			38.61			B	C	B	B
92D0			48.26			A	C	B	B
9320			96.53			B	C	B	B
9540			135.14			A	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

Group	CODE	Name	S	NP	Size		Unit	Cat.	Annex		categories				
					Min	Max			C R V P	IV	V	A	B	C	D
A	1201	Bufo viridis						C	X						
R	1281	Elaphe longissima						C	X						
P		Juniperus phoenicea L.						C							X
R		Lacerta bilineata						C						X	
P		Sarcopoterium spinosum (L.) Spach						R			X				
A	1168	Triturus italicus						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
N12	32.98
N17	5.0
N04	1.36
N08	27.83
N09	7.07
N23	0.18
N16	7.2
N21	2.34
N06	10.02
N22	6.02
Total Habitat Cover	100

Other Site Characteristics

Fiumara del versante ionico calabrese con estese pinete mediterranee. L'alveo del corso d'acqua si presenta intrecciato con depositi ghiaiosi di dimensioni variabili da pochi centimetri ad oltre 2 metri, in bassa percentuale sono presenti sabbie e silt, alla foce tali materiali sono rielaborati dal moto ondoso. Lungo il letto si osservano numerose forme di fondo, sia formate da ciottoli che da sabbie. Per quanto riguarda la vegetazione forestale, l'interesse di questo sito è legato alla presenza di pinete naturali a *Pinus halepensis* in

buono stato di conservazione che costituiscono una fascia più o meno continua lungo i pendii della valle. Le pinete dell'area non sono state oggetto di studi fitosociologici, ma per struttura e composizione possono essere correlate alle associazioni segnalate da Spampinato (1990) per il Saraceno: il Pistacio-Pinetum halepensis, a carattere più marcatamente xero-termofilo su substrati prevalentemente calcarenitici e l'Erico-Pinetum halepensis su substrati flishoidi. Entrambi i tipi di pineta sono riferibili all'alleanza Oleo-Ceratonion dei Pistacio-Rhamnalia alterni. A quote basse, in ambienti semirupetri notevolmente inclinati, si rileva una macchia termofila a Pistacia lentiscus, Rhamnus alaternus, Phillyrea latifolia, Calicotome infesta riferibile all'alleanza Oleo-Ceratonion. Il fondovalle della fiumara è occupato da materiale alluvionale su cui si insedia l'Artemisio-Helichrysetum italici, vegetazione glareicola pioniera tipica della maggior parte delle fiumare calabresi. Sui terrazzi alluvionali più elevati, su suoli più evoluti, sono presenti aspetti di vegetazione igrofila arbustiva caratterizzati da Nerium oleander e riferibili all'alleanza Rubo-Nerion oleandri e che Brullo & Spampinato (1997) includono nell'associazione Spartio-Nerietum oleandri, caratterizzata oltre che dall'oleandro, da altre specie arbustive quali Spartium junceum, Calicotome infesta, Tamarix africana e Vitex agnus-castus.

4.2 Quality and importance

L'interesse di questo sito è legato alla presenza di pinete naturali a Pinus halepensis in buono stato di conservazione che costituiscono una fascia più o meno continua lungo i pendii della valle. Si segnala la presenza di Juniperus phoenicea L.s.l., rara in Calabria e probabilmente in riduzione a causa dello sfruttamento delle coste. Elevata biodiversità di elementi termomediterranei.

4.4 Ownership (optional)

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

4.5 Documentation

AA.VV., 2007. Piano di gestione dei Siti Di Importanza Comunitaria (Sic), Nazionale (SIN) e Regionale (SIR) della rete "Natura 2000" nella Provincia di Cosenza. Quadro Conoscitivo. Provincia di Cosenza. Gargano D., Fenu G., Medagli P., Sciandrello S., Bernardo L., 2008. Sarcopoterium spinosum (L.) Spach. Informatore Botanico Italiano, 40 (Suppl. 1): 112-114. Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete "Natura 2000" nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT00	100.0				

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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Organisation:	Provincia di Cosenza
Address:	Piazza XV Marzo n. 5 87100 Cosenza Tel: +39098426800
Email:	info@provincia.cs.it

6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/>	Yes	Name: AA.VV., 2007. Piano di gestione dei Siti Di Importanza Comunitaria (Sic), Nazionale (SIN) e Regionale (SIR) della rete "Natura 2000" nella Provincia di Cosenza. Provincia di Cosenza. Link: http://www.regione.calabria.it/ambiente/index.php?option=com_content&task=view&id=191&Itemid=79
<input type="checkbox"/>	No, but in preparation	
<input type="checkbox"/>	No	

6.3 Conservation measures (optional)

da proporre

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).

266NE 1:25.000 UTM



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 IT9310044
SITENAME Foce del Fiume Crati

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

1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IT9310044	Back to top
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1.3 Site name

Foce del Fiume Crati

1.4 First Compilation date 1995-06	1.5 Update date 2013-10
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1.6 Respondent:

Name/Organisation:	Regione Calabria – Dipartimento Politiche dell'Ambiente
Address:	Viale Isonzo 414 - 88100 Catanzaro
Email:	dipartimento.ambiente@pec.regione.calabria.it

Date site proposed as SCI:	1995-09
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

2.1 Site-centre location [decimal degrees]:

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Longitude

16.5230555555556

Latitude

39.7152777777778

2.2 Area [ha]:

226.0

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**

ITF6

Calabria

2.6 Biogeographical Region(s)Mediterranean (100.0
%)**3. ECOLOGICAL INFORMATION**[Back to top](#)**3.1 Habitat types present on the site and assessment for them**

Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [ha]	Cave [number]	Data quality	A B C D	A B C		
						Representativity	Relative Surface	Conservation	Global
1130			11.32			A	C	B	B
1210			11.32			B	C	B	B
1310			4.53			A	C	B	B
1410			11.32			A	C	A	A
1420			4.53			A	C	B	B
1430			4.53			A	C	B	B
2110			11.32			B	C	C	C
2120			2.26			B	C	B	B
2210			2.26			B	C	B	B

2230		2.26			B		C	B	B
2240		2.26			B		C	B	B
2270				P	D				
3150		4.53			B		C	B	B
6420		15.85			B		C	B	B
92A0		49.83			A		C	B	B
92D0		9.06			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			
						Min	Max				Pop.	Con.	Iso.	Glo.
B	A168	Actitis hypoleucos			c				P	DD	D	C	C	B
B	A229	Alcedo atthis			r				P	DD	D	C	C	B
B	A054	Anas acuta			c				P	DD	D	C	C	B
B	A056	Anas clypeata			c				P	DD	D	C	C	B
B	A052	Anas crecca			c				P	DD	D	C	C	B
B	A050	Anas penelope			c				P	DD	D	C	C	B
B	A053	Anas platyrhynchos			p				P	DD	D	C	C	B
B	A051	Anas strepera			c				P	DD	D	C	C	B
B	A255	Anthus campestris			r				P	DD	D	C	C	B
B	A028	Ardea cinerea			w				P	DD	D	C	C	B
B	A029	Ardea purpurea			c				P	DD	D	C	C	B
B	A024	Ardeola ralloides			w				P	DD	D	C	C	B
B	A059	Aythya ferina			c				P	DD	D	C	C	B
B	A060	Aythya nyroca			c				P	DD	D	C	C	B

B	A025	Bubulcus ibis			w				P	DD	D	C	C	B
B	A087	Buteo buteo			p				P	DD	C	C	C	B
B	A138	Charadrius alexandrinus			c				P	DD	D	C	C	B
B	A136	Charadrius dubius			c				P	DD	D	C	C	B
B	A137	Charadrius hiaticula			c				P	DD	D	C	C	B
B	A081	Circus aeruginosus			c				P	DD	D	C	C	B
B	A082	Circus cyaneus			c				P	DD	D	C	C	B
B	A084	Circus pygargus			c				V	DD	D	C	C	B
B	A253	Delichon urbica			c				P	DD	C	C	C	B
B	A027	Egretta alba			w				P	DD	D	B	C	B
B	A026	Egretta garzetta			w				P	DD	D	C	C	B
R	1220	Emys orbicularis			p				P	DD	B	B	B	B
B	A099	Falco subbuteo			c				V	DD	D	C	C	B
B	A096	Falco tinnunculus			p				P	DD	C	C	C	B
B	A125	Fulica atra			c				P	DD	D	C	C	B
B	A153	Gallinago gallinago			c				P	DD	D	C	C	B
B	A123	Gallinula chloropus			p				P	DD	C	C	C	B
B	A189	Gelochelidon nilotica			c				P	DD	D	C	C	B
B	A127	Grus grus			c				P	DD	C	C	C	B
B	A130	Haematopus ostralegus			c				P	DD	D	C	C	B
B	A131	Himantopus himantopus			c				P	DD	D	C	C	B
B	A251	Hirundo rustica			c				P	DD	C	C	C	B
B	A022	Ixobrychus minutus			r	5	5	p		P	D			
B	A180	Larus genei			w				R	DD	D	C	C	B
B	A176	Larus melanocephalus			w				C	DD	C	C	C	B
B	A604	Larus michahellis			w				C	DD	C	C	B	B
B	A179	Larus ridibundus			w				C	DD	C	C	C	B
B	A272	Luscinia svecica			c				P	DD	D	C	C	B
M	1355	Lutra lutra			p				P	DD	B	B	A	B
B	A069	Mergus serrator			c				P	DD	D	C	C	B
B	A073	Milvus migrans			c				P	DD	D	C	C	B

B	A262	Motacilla alba			p				P	DD	D	C	C	B
B	A261	Motacilla cinerea			c				P	DD	D	C	C	B
B	A260	Motacilla flava			p				P	DD	D	C	C	B
B	A023	Nycticorax nycticorax			c				P	DD	D			
B	A094	Pandion haliaetus			c				P	DD	D	C	C	B
B	A072	Pernis apivorus			c				P	DD	D	C	C	B
B	A017	Phalacrocorax carbo			w				C	DD	D	C	C	B
B	A035	Phoenicopterus ruber			c				P	DD	D	B	C	B
B	A034	Platalea leucorodia			c				P	DD	D	C	C	B
B	A005	Podiceps cristatus			w				P	DD	D	C	C	B
B	A008	Podiceps nigricollis			c				P	DD	D	C	C	B
B	A464	Puffinus yelkouan			c				P	DD	D	C	C	B
B	A132	Recurvirostra avosetta			c				P	DD	D	C	C	B
B	A249	Riparia riparia			c				P	DD	D	C	C	B
B	A190	Sterna caspia			c				P	DD	D	C	C	B
B	A193	Sterna hirundo			c				P	DD	D	C	C	B
B	A191	Sterna sandvicensis			c				P	DD	D	C	C	B
B	A016	Sula bassana			c				P	DD	D	C	C	B
B	A048	Tadorna tadorna			c				P	DD	D	C	C	B
B	A166	Tringa glareola			c				P	DD	D	C	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
P		Artemisia variabilis						C				X		
A	1201	Bufo viridis						C	X					
P		Clematis viticella						R						X
I		Desera distincta						P			X			
R	1281	Elaphe longissima						C	X					
P		Ephedra distachya						C						X
P		Ephedra distachya						C			X			
P		Equisetum palustre						C						X
A		Hyla italica						C				X		
P		Iris fetidissima						P						X
P		Iris pseudocorus						C						X
P		Lysimachia vulgaris						P						X
R	1292	Natrix tessellata						V	X					
P		Pancratium maritimum						R						X
P		Salix brutia						C				X		
P		Sarcopoterium spinosum						V			X			
A	1168	Triturus italicus						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
N15	9.98
N04	12.63
N03	3.0
N08	4.03
N20	10.26
N07	5.0
N10	10.12
N20	10.26
N16	22.65
N02	5.0
N23	0.85
N06	2.24
Total Habitat Cover	96.02

Other Site Characteristics

Foce di fiume sullo Jonio con vegetazione riparia. Il sito interessa il tratto terminale del fiume Crati (Calabria nord-orientale), che procedendo in direzione Ovest-Est, si estende da località Casa Bianca, in corrispondenza della SS 106, fino a sboccare nel Mar Ionio, in corrispondenza del sito archeologico di Sibari. Si tratta di una zona umida di notevole interesse naturalistico ricadente nei comuni di Cassano allo Jonio e Corigliano Calabro. La piana alluvionale che si estende per decine di chilometri è stata intensamente coltivata con piante di agrumi. Nella fascia più prossimale alla costa l'ambiente è caratterizzato da piccoli bacini lacustri grazie al ristagno delle acque del fiume che scorreva secondo un tipico meandro fluviale parallelo alla linea di costa e successivamente abbandonato. La vegetazione naturale forestale è rappresentata da boschi igrofilo a pioppi, ontani e salici inquadrabili nei Populetalia albae. Le sponde del fiume sono colonizzate da boscaglie a Salix alba e Salix brutia, alle quali si accompagnano altre specie quali Salix purpurea ssp. lambertiana, Alnus glutinosa. Presso la foce e lungo le depressioni retrodunali la vegetazione arbustiva dominante è rappresentata da formazioni a Tamarix gallica, compenetrata da comunità alo-igrofile mediterranee dei Juncetalia maritimi, caratterizzate da Juncus acutus, Spergularia marina, Schoenus nigricans, Hordeum sp. pl., Trifolium sp. pl. ecc. Su suoli salsi si rinviene un mosaico di comunità alofile particolarmente eterogenee. Gli acquitrini sono dominati da fitocenosi degli ambienti salmastri con canneti e giuncheti diversificati in numerose fitocenosi inquadrabili nell'ambito dei Phragmyto-Magnocaricetea, Molinio-Arrhenatheretea, Juncetea maritimi, Lemnetea. La spiaggia presso la foce è caratterizzata da dune embrionali e dune fisse degradate con vegetazione psammofila caratteristica. Dal punto di vista faunistico il sito rappresenta un'importante area di sosta e foraggiamento, soprattutto durante il periodo migratorio, per numerose specie di uccelli acquatici.

4.2 Quality and importance

Boschi ripari mediterranei ben conservati. E' un importante biotopo per la sosta di numerosi uccelli migratori, ma anche un'area per lo svernamento e la riproduzione di altre specie. Desera distincta è specie paludicola di paludi salmastre, buon indicatore di qualità dell'ambiente. Proposta per l'integrazione nell'allegato II della Direttiva. Si segnalano nel sito numerose specie vegetali d'interesse conservazionistico incluse nella Lista Rossa Regionale e/o Nazionale fra le quali Clematis viticella, Iris pseudocorus, Equisetum palustre, Lysimachia vulgaris, Pancratium maritimum, Ephedra distachya, Iris fetidissima, Sarcopoterium spinosum.

4.4 Ownership (optional)

Type	[%]	
Public	National/Federal	0
	State/Province	0
	Local/Municipal	0
	Any Public	80
Joint or Co-Ownership	0	
Private	20	
Unknown	0	
sum	100	

4.5 Documentation

BRULLO S. & SPAMPINATO G., 1997 – Indagine sulle ripisilve della Calabria (Italia meridionale). Lazaroa 18: 105-151. BRUNELLI E. Atlante erpetologico della provincia di Cosenza: gl Anfibi., 1995, Tesi di laurea in Scienze Naturali, Università degli Studi della Calabria CASCINO C, 1994 - Distribuzione ed ecologia dei rettili nell'Alto Jonio calabrese. Tesi di laurea in Scienze Biologiche. Università degli Studi della Calabria. MAIORCA G., SPAMPINATO G., CRISAFULLI A., CARIDI D., PALEOLOGO P., GRASSO S., 2005 – Carta della Vegetazione Reale della Foce del Fiume Crati (CS – Calabria) (scala 1:4.000). Progetto Phytos.I.S. Monografia n. 2/2005. Cosenza. SORRISO-VALVO M. “Geomorfologia del Bacino del Crati”, Rapporto interno CNR-IRPI. SOTTILE F., 2004. Prima nidificazione accertata di Nitticora (Nycticorax nycticorax) in Calabria. Picus 30: 19-22. TRIPEPI S., SERRONI P., BRUNELLI E., 1999 – Guida-atlante degli Anfibi della provincia di Cosenza. Pellegrini Ed. Cosenza. Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete “Natura 2000” nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza.

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT05	62.0				

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT05	Riserva Naturale Regionale della Foce del fiume Crati	*	62.0

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Ente Riserve naturali del Lago di Tarsia e della Foce del fiume Crati
Address:	Via Garibaldi n. 4, Palazzo Rossi, Tarsia (CS) Tel.0981952185
Email:	info@riservetarsiacrati.it

6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/>	Yes	Name: Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete “Natura 2000” nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza. Link: http://www.regione.calabria.it/ambiente/index.php?option=com_content&task=view&id=191&Itemid=79
<input type="checkbox"/>	No, but in preparation	
<input type="checkbox"/>	No	

6.3 Conservation measures (optional)

da proporre

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).

255SE 1:25.000 UTM



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 IT9310052
SITENAME Casoni di Sibari

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

1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IT9310052	Back to top
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1.3 Site name

Casoni di Sibari

1.4 First Compilation date 1995-06	1.5 Update date 2013-10
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1.6 Respondent:

Name/Organisation:	Regione Calabria – Dipartimento Politiche dell'Ambiente
Address:	Viale Isonzo 414 - 88100 Catanzaro
Email:	dipartimento.ambiente@pec.regione.calabria.it

Date site proposed as SCI:	1995-09
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

2.1 Site-centre location [decimal degrees]:

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Longitude
16.4844444444444

Latitude
39.7341666666667

2.2 Area [ha]:
504.0

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**

ITF6	Calabria
------	----------

2.6 Biogeographical Region(s)

Mediterranean (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
1150			5.04			C	C	C	C
1210			10.08			C	C	B	B
1410			10.08			B	C	B	B
2110					P	D			
2120			5.04			C	C	C	C
2210			10.08			B	C	B	B
2230			15.13			B	C	B	B
2260			25.21			C	C	C	C
2270					P	D			

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

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

Species				Population in the site							Site assessment			
G	Code	Scientific Name	S	NP	T	Size		Unit	Cat.	D.qual.	A B C D		A B C	
						Min	Max				Pop.	Con.	Iso.	Glo.
B	A255	Anthus campestris			c				P	DD	D			
B	A090	Aquila clanga			c				P	DD	D	C	C	C
B	A029	Ardea purpurea			c				P	DD	B	B	C	B
B	A024	Ardeola ralloides			c				P	DD	C	B	C	B
B	A021	Botaurus stellaris			c				P	DD	C	B	C	B
B	A243	Calandrella brachydactyla			r	5	5	p		G	D			
B	A196	Chlidonias hybridus			c				P	DD	C	B	C	B
B	A197	Chlidonias niger			c				P	DD	C	B	C	B
B	A031	Ciconia ciconia			r	2	2	p		G	C	B	C	B
B	A030	Ciconia nigra			c				P	DD	C	B	C	B
B	A081	Circus aeruginosus			w				P	DD	C	B	C	B
B	A082	Circus cyaneus			c				P	DD	C	B	C	B
B	A084	Circus pygargus			c				P	DD	C	B	C	B
B	A027	Egretta alba			w				P	DD	C	B	C	B
B	A026	Egretta garzetta			c				V	DD	C	B	C	B
R	1220	Emys orbicularis			p				P	DD	B	B	B	B
B	A098	Falco columbarius			c				P	DD	C	B	C	B
B	A103	Falco peregrinus			c	2	2	i		G	D			
B	A154	Gallinago media			c				P	DD	C	B	C	B

B	A189	Gelocheilidon nilotica			c				P	DD	C	B	C	B
B	A135	Glareola pratincola			c				P	DD	C	B	C	B
B	A127	Grus grus			c	100		i	P	DD	C	B	C	B
B	A131	Himantopus himantopus			r				P	DD	D	C	C	C
B	A022	Ixobrychus minutus			r				P	DD	C	B	C	B
B	A180	Larus genei			w				P	DD	C	B	C	B
B	A272	Luscinia svecica			c				P	DD	D			
B	A023	Nycticorax nycticorax			c				P	DD	C	B	C	B
B	A094	Pandion haliaetus			c				P	DD	C	B	C	B
B	A151	Philomachus pugnax			c				P	DD	C	B	C	B
B	A034	Platalea leucorodia			c				P	DD	C	B	C	B
B	A032	Plegadis falcinellus			c				P	DD	C	B	B	B
B	A140	Pluvialis apricaria			c				P	DD	C	B	C	B
B	A132	Recurvirostra avosetta			c				P	DD	C	B	C	B
B	A195	Sterna albifrons			c				P	DD	C	B	C	B
B	A193	Sterna hirundo			c				P	DD	C	B	C	B
B	A166	Tringa glareola			c				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
A	1201	Bufo viridis						C	X					
A		Hyla italica						C				X		
R	1292	Natrix tessellata						V	X					
A	1168	Triturus italicus						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

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4.1 General site character

Habitat class	% Cover
N03	5.0
N02	1.0
N23	1.0
N13	77.0
N04	9.0
N08	7.0
Total Habitat Cover	100

Other Site Characteristics

L'ampia depressione attualmente convertita in risaia si estende in prossimità dei laghi salati di Sibari formati a causa della dinamica costiera per azione delle correnti e delle onde litoranee. La vegetazione naturale forestale è assente nel sito. Le depressioni retrodunali sfuggite alla coltivazione sono colonizzate da formazioni a Tamarix gallica e vi è una compenetrazione con comunità alo-igrofile mediterranee dei Juncetalia maritimi, caratterizzate da Juncus acutus, Spergularia marina, Schoenus nigricans, Hordeum sp. pl., Trifolium sp. pl. ecc. Su suoli salati si rinvengono un mosaico di comunità alofile particolarmente eterogeneo (Suaedetum maritimae-Salicornietum patulae, Sarcocornietum deflexae, Suaedetum fruticosae, Spergulario salinae-Hordeetum marini). Gli acquitrini sono dominati da fitocenosi degli ambienti salmastri con canneti e giuncheti diversificati in numerose fitocenosi inquadrabili nell'ambito dei Phragmyto-Magnocaricetea, Molinio-Arrhenatheretea, Juncetea maritimi, Lemneta.

4.2 Quality and importance

Stazione di rilevantissima importanza ornitologica per la sosta di numerose specie acquatiche

4.4 Ownership (optional)

Type	[%]
National/Federal	0
State/Province	0

Public	Local/Municipal	0
	Any Public	0
Joint or Co-Ownership		0
Private		100
Unknown		0
sum		100

4.5 Documentation

MAIORCA G., SPAMPINATO G., CRISAFULLI A., CARIDI D., PALEOLOGO P., GRASSO S., 2005 – Carta della Vegetazione Reale della Foce del Fiume Crati (CS – Calabria) (scala 1:4.000). Progetto Phytos.I.S. Monografia n. 2/2005. Cosenza. SOTTILE F. & MONTEROSSO G., 2006. Prima nidificazione accertata di Cavaliere d'Italia (*Himantopus himantopus*) in provincia di Cosenza. Picus. In corso di pubblicazione. SOTTILE F., 2004. Prima nidificazione accertata di Nitticora *Nycticorax nycticorax* in Calabria. Picus, 30: 19-22. TRIPEPI S., SERRONI P., BRUNELLI E., 1999 – Guida-atlante degli Anfibi della provincia di Cosenza. Pellegrini Ed. Cosenza. Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete "Natura 2000" nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT00	100.0				

6. SITE MANAGEMENT

6.2 Management Plan(s):

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An actual management plan does exist:

<input checked="" type="checkbox"/>	Yes	Name: Piano di Gestione dei Siti di Importanza Comunitaria (SIC), Nazionale (SIN) e Regionale (SIR) della Rete "Natura 2000" nella Provincia di Cosenza – Relazioni e allegati cartografici. Provincia di Cosenza. Link: http://www.regione.calabria.it/ambiente/index.php?option=com_content&task=view&id=191&Itemid=79
<input type="checkbox"/>	No, but in preparation	
<input type="checkbox"/>	No	

6.3 Conservation measures (optional)

da proporre

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).

278NO 266SO 1:25.000 UTM



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 IT9310303
SITENAME Pollino e Orsomarso

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1. SITE IDENTIFICATION

1.1 Type A	1.2 Site code IT9310303	Back to top
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1.3 Site name

Pollino e Orsomarso

1.4 First Compilation date 2005-11	1.5 Update date 2013-10
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1.6 Respondent:

Name/Organisation:	Regione Calabria – Dipartimento Politiche dell'Ambiente
Address:	Viale Isonzo 414 - 88100 Catanzaro
Email:	dipartimento.ambiente@pec.regione.calabria.it

1.7 Site indication and designation / classification dates

Date site classified as SPA:	2005-05
National legal reference of SPA designation	No data

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude

Latitude

16.0569444444444

39.8286111111111

2.2 Area [ha]:

94145.0

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**

ITF6	Calabria
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2.6 Biogeographical Region(s)Mediterranean (100.0
%)**3. ECOLOGICAL INFORMATION**[Back to top](#)**3.1 Habitat types present on the site and assessment for them**

Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [ha]	Cave [number]	Data quality	A B C D	A B C		
						Representativity	Relative Surface	Conservation	Global
3140						B	C	B	B
3150						B	C	B	B
3260						C	C	B	B
3280						C	C	B	B
5210						B	C	B	B
5230						B	C	B	B
5330						A	C	C	B
6210						A	C	A	A
6220						A	C	A	B
6510						B	C	B	B

7220									B	C	A	A
8130									C	C	A	B
8210									A	C	A	A
9180									C	C	B	B
91AA									B	C	B	B
91E0									C	C	C	C
91M0									B	C	B	B
9220									B	C	A	A
92A0									B	C	A	A
9340									A	C	A	B
9530									B	C	B	B
95A0									A	B	A	A

- **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	A091	Aquila chrysaetos			p	3	4	p		G	B	B	C	C
P	1558	Astragalus aquilanus			p				V	DD	C	C	A	A
B	A215	Bubo bubo			p	2	4	p		G	B	B	C	C
M	1352	Canis lupus			p				P	DD	C	B	C	B
B	A031	Ciconia ciconia			c				P	DD	C	B	C	B
B	A030	Ciconia nigra			c				P	DD	C	B	C	B
B	A080	Circaetus gallicus			r	1	3	i		G	B	B	C	C

B	A082	Circus cyaneus			w	2	6	i		G	C	B	C	B
I	1047	Cordulegaster trinacriae			p				P	DD				
B	A236	Dryocopus martius			p				P	DD	C	B	C	B
B	A027	Egretta alba			c				P	DD	C	B	C	B
R	1279	Elaphe quatuorlineata			p				P	DD				
B	A101	Falco biarmicus			p	2	2	p		G	C	B	C	C
B	A103	Falco peregrinus			p	26	35	p		G	A	B	C	C
B	A127	Grus grus			c				P	DD	C	B	C	B
B	A092	Hieraetus pennatus			c	10	10	i		G	C	B	C	B
P	4104	Himantoglossum adriaticum			p				P	DD	C	B	A	B
M	1355	Lutra lutra			p				P	DD	C	B	C	B
I	1062	Melanargia arge			p				C	DD				
B	A073	Milvus migrans			p	10	20	p		G	B	B	C	C
B	A073	Milvus migrans			w	30	30	i		G	B	B	C	C
B	A074	Milvus milvus			p	29	35	p		G	A	B	C	B
B	A074	Milvus milvus			w	270	350	i		G	A	B	C	B
B	A077	Neophron percnopterus			c				P	DD	C	B	C	B
B	A072	Pernis apivorus			c	500	500	i		G	D			
B	A072	Pernis apivorus			r	2	4	p		G	D			
B	A267	Prunella collaris			c				P	DD	C	B	C	B
P	1883	Stipa austroitalica			p				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

N23	0.55
N15	2.69
N21	0.58
N12	5.82
N22	1.78
N18	13.07
N06	0.03
N19	6.05
N16	37.2
N09	13.22
N27	5.07
N17	2.71
N08	10.7
N14	0.53
Total Habitat Cover	100

Other Site Characteristics

Vasta area montuosa degli Appennini Meridionali a cavallo tra Calabria e Basilicata molto importante per i rapaci. Il perimetro della ZPS corrisponde con quello del Parco Nazionale del Pollino che comprende tutte le zone più importanti per le specie per le quali è stata individuata la ZPS stessa. Territorio aspro con rupi calcaree di quota medio-alta con pascoli e zone spesso molto innevate. Sistema di valli boscate su calcare del piano montano e pascoli steppici e stagni perenni. Cime montuose con boschi mesofili e torrenti montani. Bacini idrografici ottimamente conservati. Lunghe valli fluviali incassate che si aprono a formare ampie aree alluvionali.

4.2 Quality and importance

Presenza di *Pinus leucodermis*. Zone dei valloni maturi e molto originali. Importanti zone di piante endemiche ed orchidee. Siti riproduttivi di *Triturus carnifex* e *Bombina variegata*. Aree ornitologiche di elevatissimo valore per la nidificazione di specie rapaci diurne e notturne. Presenza di nuclei di lupo e di capriolo appenninico. Ambienti fluviali ricchi di boschi ripari e foreste di macchia.

4.5 Documentation

"Sviluppo di un sistema nazionale delle ZPS sulla base della rete delle IBA (Important Bird Areas)" - Relazione finale, LIPU- BirdLife Italia, 2004. Progetto Bioitaly (Programma LIFE Natura 1994), Regione Calabria, 1997. Piante vascolari: Avena G.C., Bruno F., 1974. Lineamenti della vegetazione del Massiccio del Pollino (Appennino Calabro-Lucano). *Not. Fitosoc.*, 10:131-158. Bernardo L., 1996. Segnalazioni floristiche italiane 837-842. *Inform. Bot. Ital.*, 28(2): 267-270. Bonin G., 1978. Premiere contribution à l'etude des pelouses mesophiles et des groupements hygrophiles du Monte Pollino (Calabre). *Phyton (Austria)*, 14(3-4):271-280. Bonin G., 1978. Contribution a la connaissance de la vegetation des montagnes de l'Appennin Centro-Meridional. These Doctorat, Marseille. Brullo S., Spampinato G., 2003. La classe *Asplenietea trichomanis* in Calabria (Italia meridionale). *Fitosociologia*, 40(1):5-22. Conti F., Manzi A., Pedrotti F., 1992. Libro rosso delle piante d'Italia. WWF Italia, Roma. Conti F., Manzi A., Pedrotti F., 1997. Liste rosse regionali delle piante d'Italia. WWF Italia-Società Botanica Italiana, Camerino. Di Pietro R., Izco J., Blasi C., 2004. Contribution to the knowledge of *Fagus sylvatica* woodlands of southern Italy. *Plant Biosyst.*, 138(1):27-36. Gargano D., Bernardo L., 2006. Defining population structure and environmental suitability for the conservation of *Pinus leucodermis* Antoine in central Mediterranean areas. *Plant Biosyst.*, 140(3): 245-254. Maiorca G., Spampinato G., 1994. The vascular flora of the Argentino River Valley, a natural reserve in NW Calabria (Italy). *Flora Medit.*, 4:49-100. Maiorca G., Spampinato G., 1999. La vegetazione della Riserva Naturale Orientata Valle del Fiume Argentino (Calabria Nord-Occidentale). *Fitosociologia*, 36(2):15-60. Peruzzi L., Gargano D., 2004. Considerazioni biosintetiche e conservazionistiche su *Athamantia ramosissima* Portenschl. (Apiaceae). *Inform. Bot. Ital.* 36(1): 41-47. Peruzzi L., Gargano D., 2006 (2002). Biosystematics aspects and distribution of *Plantago brutia* Ten. (Plantaginaceae) an endemic unit of Southern Italy. *Arc. Geobot.*, 8(1-2):35-48. Stanisci A., 1997. Gli arbusteti altomontani dell'Appennino centrale e meridionale. *Fitosociologia*, 34:3-46. Tomaselli M., Bernardo L., Passalacqua N., 2003. The vegetation of the *Ranunculo-Nardion* in the Southern Apennines (S-Italy). *Phyton*, 43(1):39-57.

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT01	100.0				

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT01	Parco Nazionale del Pollino	-	100.0

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Ente Parco Nazionale del Pollino.
Address:	Complesso monumentale Santa Maria della Consolazione. 85048 Rotonda (PZ).Tel.0973/669311
Email:	ente@parcopollino.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

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).

131 I° NE - 131 I° S 1:25000 Gauss-Boaga



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 IT9310304
SITENAME Alto Ionio Cosentino

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1. SITE IDENTIFICATION

1.1 Type A	1.2 Site code IT9310304	Back to top
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1.3 Site name

Alto Ionio Cosentino

1.4 First Compilation date 2005-11	1.5 Update date 2013-10
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1.6 Respondent:

Name/Organisation:	Regione Calabria – Dipartimento Politiche dell'Ambiente
Address:	Viale Isonzo 414 - 88100 Catanzaro
Email:	dipartimento.ambiente@pec.regione.calabria.it

1.7 Site indication and designation / classification dates

Date site classified as SPA:	2005-05
National legal reference of SPA designation	No data

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude
16.46888888888889

Latitude
40.00666666666667

2.2 Area [ha]:

28622.0

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**

ITF6

Calabria

2.6 Biogeographical Region(s)Mediterranean (100.0
%)**3. ECOLOGICAL INFORMATION**[Back to top](#)**3.1 Habitat types present on the site and assessment for them**

Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [ha]	Cave [number]	Data quality	A B C D	A B C		
						Representativity	Relative Surface	Conservation	Global
1210						C	C	C	C
3250						B	C	B	B
5210						C	C	B	B
5210						C	C	B	B
5420						C	C	B	B
6220						B	C	B	B
8210						B	C	B	B
9180						B	C	A	A
91M0						B	C	A	A
92A0						B	C	B	B
92D0						B	C	B	B

9320								B	C	B	B
9340								B	C	B	B
9540								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	A133	Burhinus oedicnemus			p	10	10	p		G	B	B	C	C
M	1352	Canis lupus			p				P	DD	C	B	C	B
R	1279	Elaphe quatuorlineata			p				P	DD				
B	A101	Falco biarmicus			p	2	2	p		G	B	C	C	C
B	A244	Galerida cristata			r	200	200	p		G	D			
B	A341	Lanius senator			p	8	8	p		G	D			
B	A074	Milvus milvus			p	5	6	p		G	A	B	C	C
B	A281	Monticola solitarius			p	15	15	p		G	D			
B	A278	Oenanthe hispanica			r	10	10	p		G	C	C	C	C

- **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		Sarcopterium spinosum						V			X			
P		Thymus capitatus						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

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4.1 General site character

Habitat class	% Cover
N16	8.0
N15	15.0
N18	3.0
N10	1.5
N19	5.0
N17	8.0
N21	8.6
N04	5.7
N20	9.0
N23	0.5
N09	2.7
N22	0.4
N08	6.3
N12	17.8
N06	8.5
Total Habitat Cover	100

Other Site Characteristics

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La ZPS comprende il letto di alcuni torrenti e fiumare che sfociano sul mar Jonio: Torrente Canna, Fiume Ferro, Fiumara Saraceno, Fiumara Seranasso. Il confine interno coincide con quello del Parco Nazionale del Pollino e Monti dell'Orsomarso. IL confine est segue una linea che congiunge Nocara con Villapiana, passante per Orilo Calabro, Castroregio ed Albidona e si allunga fino al mare includendo i torrenti. Sono inclusi nella ZPS anche i bacini imbriferi dei corsi d'acqua: Timpone Piede della Scala, Timpone Donato, Timpone della Serra, Serra Donna Rocca. Le foci dei fiumi sullo Jonio hanno vegetazione riparia di boschi ripari mediterranei, ben conservati. Importanti siti ornitologici. Strette gole con elevate pareti verticali. Aree umide con presenza di specie vegetali atipiche per la zona.

4.2 Quality and importance

Elevata biodiversità di elementi termo-mediterranei. Cime montuose con boschi mesofili. Interessanti formazioni forestali di Tilio-Aceron. Ampie fiumare sul versante jonico calabrese, con grande attività erosiva. Specie vegetali atipiche per la zona.

4.5 Documentation

"Sviluppo di un sistema nazionale delle ZPS sulla base della rete delle IBA (Important Bird Areas)" - Relazione finale, LIPU- BirdLife Italia, 2004. Progetto Bioitaly (Programma LIFE Natura 1994), Regione Calabria, 1997 Pianta Vascolari: biondi E., Ballelli S., Allegrezza M., Taffetani F., Francalancia C., 1994. La vegetazione delle "fiumare" del versante ionico lucano-calabrese. Fitosociologia, 27:51-66. Conti F., Manzi A., Pedrotti F., 1992. Libro rosso delle piante d'Italia. WWF Italia, Roma. Conti F., Manzi A., Pedrotti F., 1997. Liste rosse regionali delle piante d'Italia. WWF Italia-Società Botanica Italiana, Camerino Gehu J.M., Costa M., Scoppola A., Biondi E., Marchiori S., Peris J.B., Franck, J., Caniglia G., Veri L., 1984 - Essay synsystematique et synchorologique sur les vegetationis littorales italiennes dans un but conservatoire. Doc. Phytosoc., 8:393-421.

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Provincia di Cosenza
Address:	Piazza XV Marzo n. 5 87100 Cosenza Tel: +39098426800
Email:	info@provincia.cs.it

6.2 Management Plan(s):

An actual management plan does exist:

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

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).

