



# 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 BG0001012

SITENAME Zemen

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## 1. SITE IDENTIFICATION

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<b>1.1 Type</b> B	<b>1.2 Site code</b> BG0001012
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### 1.3 Site name

Zemen
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<b>1.4 First Compilation date</b>	<b>1.5 Update date</b>
2006-09	2018-12

### 1.6 Respondent:

<b>Name/Organisation:</b>	Ministry of Environment and Water, "National Nature Protection Service" Directorate
<b>Address:</b>	Sofia Kn. Maria Luiza Blvd. 22 1000 Sofia
<b>Email:</b>	natura2000@moew.government.bg

### 1.7 Site indication and designation / classification dates

<b>Date site classified as SPA:</b>	0000-00
<b>National legal reference of SPA designation</b>	No data
<b>Date site proposed as SCI:</b>	2007-10
<b>Date site confirmed as SCI:</b>	2008-12
<b>Date site designated as SAC:</b>	No data

<b>National legal reference of SAC designation:</b>	No data
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<b>Explanation(s):</b>	Adopted by Council of Ministers Decision No. 661/16.10.2007 (promulgated SG 85/2007). Extended by Council of Ministers Decision No. 811/16.11.2010 (promulgated SG 96/2010).
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7220			1.4652936		G	A	C	B	B
8210	PF		285.0		M	A	B	A	A
8310	PF			13	G	C	C	B	C
9130	PF		489.22		M	A	C	B	B
9150	PF		32.43		M	A	C	B	B
9170	PF		809.65		M	A	C	B	B
9180	PF		102.55		M	A	C	B	B
91E0	PF		22.92		M	A	C	A	A
91H0	PF		533.94		M	A	B	A	A
91M0	PF		575.37		M	B	C	B	B
91W0	PF		92.39		M	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.
I	1093	<a href="#">Austropotamobius torrentium</a>			p			i	C	G	C	A	C	A
M	1308	<a href="#">Barbastella barbastellus</a>			p	92	147	i	R	M	C	A	C	C
F	5088	<a href="#">Barbus cyclolepis</a>			p				C	DD	C	A	C	A
A	1193	<a href="#">Bombina variegata</a>			p	7	7	localities	R	M	C	A	C	A
M	1352	<a href="#">Canis lupus</a>			p	3	4	i		G	C	A	C	A
I	1088	<a href="#">Cerambyx cerdo</a>			p	8870	13087	i	R	M	C	A	C	A
F	1149	<a href="#">Cobitis taenia</a>			p	1490900	1490900	area	R	P	C	A	B	A
P	4067	<a href="#">Echium russicum</a>			p	250	300	i		G	B	A	C	A
R	1220	<a href="#">Emys orbicularis</a>			p			localities	P	DD	C	A	C	B
I	6199	<a href="#">Euplagia quadripunctaria</a>			p	3895	6650	i	V	P	C	A	C	A
P	2327	<a href="#">Himantoglossum caprinum</a>			p	80	100	i		M	C	A	C	B
I	4037	<a href="#">Lignyoptera fumidaria</a>			p				V	DD	B	B	B	B
I	1083	<a href="#">Lucanus cervus</a>			p	36466	71735	i	R	M	C	B	C	B
M	1355	<a href="#">Lutra lutra</a>			p	21	22	i		G	C	A	C	A
I	1060	<a href="#">Lycaena dispar</a>			p	1437	2874	i	R	M	C	A	B	A
M	1361	<a href="#">Lynx lynx</a>			p				P	DD	C	B	C	B
M	1310	<a href="#">Mniopterus schreibersii</a>			p				P	DD	D			

I	1089	<a href="#">Morimus funereus</a>			p	88263	102520	i	R	M	C	A	C	A
M	1323	<a href="#">Myotis bechsteinii</a>			p	97	194	i	R	M	C	A	C	C
M	1307	<a href="#">Myotis blythii</a>			p	51	100	i	R	M	C	A	C	B
M	1316	<a href="#">Myotis capaccinii</a>			p				P	DD	D			
M	1321	<a href="#">Myotis emarginatus</a>			p	11	50	i	P	M	C	A	C	B
M	1324	<a href="#">Myotis myotis</a>			p	11	50	i	P	M	C	A	C	B
I	1084	<a href="#">Osmoderma eremita</a>			p				R	DD	C	B	C	B
M	1306	<a href="#">Rhinolophus blasii</a>			p	51	100	i	R	G	C	B	C	C
M	1305	<a href="#">Rhinolophus euryale</a>			p	51	100	i	R	G	C	A	C	C
M	1304	<a href="#">Rhinolophus ferrumequinum</a>			p	51	100	i	R	M	C	A	C	C
M	1303	<a href="#">Rhinolophus hipposideros</a>			p	51	100	i	C	G	C	A	C	C
F	5339	<a href="#">Rhodeus amarus</a>			p	93907	93907	i	C	G	C	A	C	B
I	1087	<a href="#">Rosalia alpina</a>			p				R	DD	C	B	C	B
F	1146	<a href="#">Sabanejewia aurata</a>			p	20117	20117	i	R	G	C	A	C	A
R	1219	<a href="#">Testudo graeca</a>			p			localities	P	DD	C	A	C	A
R	1217	<a href="#">Testudo hermanni</a>			p			localities	P	DD	C	A	B	A
A	1171	<a href="#">Triturus karelinii</a>			p	1	1	localities	V	P	C	A	C	A
M	1354	<a href="#">Ursus arctos</a>			p	0	1	i	R	G	C	B	C	B
M	2635	<a href="#">Vormela peregusna</a>			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	
F		<a href="#">Alburnoides bipunctatus</a>												X	
P		<a href="#">Allium cupanii</a>						R			X				
P		<a href="#">Anemone sylvestris</a>						R			X				
I		<a href="#">Apatura ilia</a>						C							X
P		<a href="#">Arabis nova</a>						R			X				

P		<a href="#">Astragalus wilmottianus</a>						R					X	
P		<a href="#">Atropa bella-donna</a>						R			X			
P		<a href="#">Aubrieta intermedia</a>						R			X			
F		<a href="#">Barbatula bureschi</a>										X		
I		<a href="#">Brachydesmus cristofer</a>						P				X		
I		<a href="#">Brenthis hecate</a>						C						X
P		<a href="#">Bromus moesiacus</a>						R				X		
A		<a href="#">Bufo viridis</a>											X	
P		<a href="#">Bupleurum flavum</a>						R			X			
P		<a href="#">Cachrys alpina</a>						R			X			
I		<a href="#">Calosoma sycophanta</a>						R			X			
P		<a href="#">Campanula versicolor</a>						V			X			
I		<a href="#">Carabus gigas</a>						V				X		
P		<a href="#">Centaurea rupestris</a>						V			X			
P		<a href="#">Cephalanthera damasonium</a>						V						X
F		<a href="#">Chondrostoma vardareense</a>										X		
P		<a href="#">Dactylorhiza sambucina</a>						V						X
P		<a href="#">Digitalis laevigata</a>						R			X			
I		<a href="#">Erebia medusa</a>						C						X
P		<a href="#">Erysimum comatum</a>						R			X			
M		<a href="#">Felis silvestris</a>						C			X			
M		<a href="#">Felis silvestris</a>						P			X			
P		<a href="#">Ferula heuffelii</a>						R			X			
P		<a href="#">Festuca stojanovii</a>						R				X		
P		<a href="#">Fibigia clypeata</a>						R			X			
I		<a href="#">Formica rufa</a>						C					X	
P		<a href="#">Fritillaria orientalis</a>						R			X			
P		<a href="#">Galanthus elwesii</a>						R			X			
P		<a href="#">Geranium tuberosum</a>						R			X			
I		<a href="#">Glaucopsyche alexis</a>						C						X
I		<a href="#">Glaucopsyche alexis</a>						C						X
P		<a href="#">Goniolimon tataricum</a>						R			X			
P		<a href="#">Huetia cynapioides</a>						R			X			
F		<a href="#">Leuciscus cephalus</a>									X			

F		<a href="#">Leuciscus cephalus</a>						C						X
P		<a href="#">Limodorum abortivum</a>						R			X			
I		<a href="#">Lithobius lakatnicensis</a>						P				X		
I		<a href="#">Melitaea aurelia</a>						C						X
I		<a href="#">Melitaea trivia</a>						C					X	
P		<a href="#">Minuartia velutina</a>						R			X			
I		<a href="#">Molops robustus parallelus</a>						R				X		
P		<a href="#">Morina persica</a>						R			X			
R		<a href="#">Natrix tessellata</a>											X	
I		<a href="#">Neptis sappho</a>						C						X
I		<a href="#">Niphargus sp.</a>						P				X		
P		<a href="#">Ononis adenotricha</a>						R			X			
P		<a href="#">Orchis papilionacea</a>						R			X			
P		<a href="#">Orobanche serbica</a>						R				X		
F		<a href="#">Oxynoemacheilus bureschi</a>						R			X			
I		<a href="#">Parnassius mnemosyne</a>						C						X
I		<a href="#">Parnassius mnemosyne</a>						C					X	
P		<a href="#">Pastinaca hirsuta</a>						R				X		
I		<a href="#">Pieris ergane</a>						C						X
I		<a href="#">Pseudophilotes vicrama</a>						C						X
I		<a href="#">Pseudophilotes vicrama</a>						C						X
P		<a href="#">Pulsatilla montana ssp. balcana</a>						R				X		
A		<a href="#">Rana dalmatina</a>											X	
A		<a href="#">Rana graeca</a>											X	
F		<a href="#">Salmo macedonicus</a>						C				X		
F		<a href="#">Salmo trutta</a>									X			
F		<a href="#">Salmo trutta fario</a>						C						X
I		<a href="#">Scolitantides orion</a>						C					X	
I		<a href="#">Scolitantides orion</a>						C					X	
P		<a href="#">Senecio pancici</a>						R			X			
P		<a href="#">Silaum silaus</a>						R			X			
P		<a href="#">Stachys serbica</a>						R			X			
I		<a href="#">Thymelicus acteon</a>						C						X
P		<a href="#">Tilia rubra</a>						V			X			
P		<a href="#">Tragopogon balcanicus</a>						R				X		

P		<a href="#">Trifolium medium ssp. balcanicus</a>						R				X		
P		<a href="#">Trinia glauca ssp. carniolica</a>						R			X			
P		<a href="#">Tulipa urumoffii</a>						R				X		
P		<a href="#">Utricularia minor</a>						R			X			
P		<a href="#">Verbascum urumovii</a>						R				X		
P		<a href="#">Vicia dumetorum</a>						R			X			
P		<a href="#">Vicia pisiformis</a>						R			X			
I		<a href="#">Zerynthia polyxena</a>						C					X	
I		<a href="#">Zerynthia polyxena</a>						C					X	

**Group:** A = Amphibians, B = Birds, F = Fish, Fu = Fungi, I = Invertebrates, L = Lichens, M = Mammals, P = Plants, R = Reptiles

**CODE:** for Birds, Annex IV and V species the code as provided in the reference portal should be used in addition to the scientific name

**S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes

**NP:** in case that a species is no longer present in the site enter: x (optional)

**Unit:** i = individuals, p = pairs or other units according to the standard list of population units and codes in accordance with Article 12 and 17 reporting, (see [reference portal](#))

**Cat.:** Abundance categories: C = common, R = rare, V = very rare, P = present

**Motivation categories:** **IV, V:** Annex Species (Habitats Directive), **A:** National Red List data; **B:** Endemics; **C:** International Conventions; **D:** other reasons

## 4. SITE DESCRIPTION

### 4.1 General site character

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Habitat class	% Cover
N12	12.0
N07	1.0
N06	1.0
N21	1.0
N15	4.0
N22	2.0
N08	13.0
N20	2.0
N10	2.0
N19	3.0
N16	27.0
N23	1.0
N17	3.0
N14	12.0
N09	16.0
<b>Total Habitat Cover</b>	<b>100</b>

### Other Site Characteristics

The SCI includes the Zemen Gorge of the Struma River and the valleys of its tributaries Penkyovska and Treklyanska. The adjacent areas of the Konyavska and Zemen Mountains are northern limit of the distribution of many southern



species of flora and fauna. The Zemen Gorge is proposed as a protected area.

#### 4.2 Quality and importance

The SCI protects representative limestone habitats, most of them priority ones with high diversity of protected plant species. It is the most important site for habitat 4090. It is also northern limit of the distribution of habitats 5210 and 92A0, of the tortoises and is an important bottle-neck site for their expansion in the future. The SCI protects one of two remaining viable populations of land tortoises in the mountains surrounding plane of Radomir. The Zemen Gorge is one of the few places where the valley of a big river is not populated and there are no roads. Natural riparian habitats are conserved around the river. The SCI is a stepping-stone biocorridor for protected fish and bat species.

#### 4.3 Threats, pressures and activities with impacts on the site

The most important impacts and activities with high effect on the site

Negative Impacts			
Rank	Threats and pressures [code]	Pollution (optional) [code]	inside/outside [i o b]
M	D01.02		i
M	F03.02.01		i
M	J01		i
M	E02		i
H	B		i
M	B02.03		i
M	G01.03		i
L	F04		i
L	D02.01		i
L	H07		i
M	B02.04		i
M	E01		i
H	B02.01		i
L	A02		i
H	F03.01		i
L	A07		i
H	J02		i
H	J02.05		i
M	A09		i
H	F03.02.03		i
M	E03.01		i
L	F03.02		i
M	B02.02		i
H	A04.03		i
L	A08		i
M	B03		i
H	B01.02		i
M	E03.03		i

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

Rank: H = high, M = medium, L = low

Pollution: N = Nitrogen input, P = Phosphor/Phosphate input, A = Acid input/acidification,

T = toxic inorganic chemicals, O = toxic organic chemicals, X = Mixed pollutions

i = inside, o = outside, b = both

#### 4.4 Ownership (optional)

#### 4.5 Documentation

Initial proposal and description of the site made by Balkani Wildlife Society, office@balkani.org; Green Balkans, office@greenbalkans.org; Bulgarian Biodiversity Foundation, bbf@biodiversity.bg; Wilderness Fund. Data revised by a team of Bulgarian Academy of Sciences (<http://www.bas.bg>). Data revised by a team of the Institute for Biodiversity and

Ecosystem Research, Bulgarian Academy of Sciences. New data provided by project "Mapping and assessment of the conservation status of the natural habitats and species - Phase 1" (see link).

Link(s): <http://natura2000.moew.government.bg/Home/ProtectedSite?code=BG0001012&siteType=HabitatDirective>

## 5. SITE PROTECTION STATUS (optional)

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

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
BG00	99.818	BG03	0.182		

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

designated at national or regional level:

Type code	Site name	Type	Cover [%]
BG03	Skakavishki vodopad	+	0.077
BG03	Zemenski skali	+	0.105

### 5.3 Site designation (optional)

## 6. SITE MANAGEMENT

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

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Organisation:	Regional Inspectorate of Environment and Water: Pernik
Address:	
Email:	

### 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)

## 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).