



# 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

<b>1.1 Type</b> B	<b>1.2 Site code</b> BG0001012	<a href="#">Back to top</a>
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### 1.3 Site name

Zemen
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<b>1.4 First Compilation date</b> 2006-09	<b>1.5 Update date</b> 2021-11
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### 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>	2021-03
<b>National legal reference of SAC designation:</b>	Designation Order No. RD - 328/ 31.03.2021 (promulgated SG 53 /2021) issued by the Minister of Environment and Water.
<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). Issued by the Minister of Environment and Water designation Order No. RD - 328/ 31.03.2021 (promulgated SG 53/2021) with prohibitions and restrictions on activities contradicting the conservation objectives of the site.

## 2. SITE LOCATION

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

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**Longitude**

22.7092

**Latitude**

42.4675

**2.2 Area [ha]:**

17764.3347

**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**

BG41	Югозападен / Yugozapaden
BG41	Югозападен / Yugozapaden

**2.6 Biogeographical Region(s)**Continental (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
3140B			0.05		G	C	C	C	C
3260B			145.684275		G	A	C	B	B
4090B			1708.32371			A	B	A	A
40A0B			186.11		M	A	B	A	A
5210B			161.04		M	A	C	A	A
6110B			9.76		M	B	C	B	B
6210B			350.62		M	B	C	A	B
6220B			1.70477		P	D			
62A0B			2120.66		M	A	B	A	A
6430B			133.14		M	A	C	B	B
6510B			3.88		M	B	C	B	B
6520B			1.85		G	D			
7220B			1.4652936		G	A	C	B	B
8210B			285.0		M	A	B	A	A
8310B				13	G	C	C	B	C
9130B			489.22		M	A	C	B	B
9150B			32.43		M	A	C	B	B
9170B			809.65		M	A	C	B	B
9180B			102.55		M	A	C	B	B
91E0B			22.92		M	A	C	A	A
91H0B			533.94		M	A	B	A	A



M	1303	<a href="#">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 vardarensis</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
N15	4.0
N19	3.0
N09	16.0
N12	12.0
N10	2.0
N08	13.0
N23	1.0
N17	3.0
N22	2.0
N14	12.0
N07	1.0
N16	27.0
N21	1.0
N06	1.0
N20	2.0

### 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	B02.04		i
M	E01		i
L	F04		i
M	F03.02.01		i
M	J01		i
H	B02.01		i
H	F03.02.03		i
M	E03.01		i
H	B		i
M	B03		i
L	F03.02		i
H	J02.05		i
L	A02		i
M	A09		i
L	A08		i
M	B02.03		i
L	D02.01		i
H	A04.03		i
H	J02		i
H	B01.02		i
M	E02		i
M	B02.02		i
L	A07		i
L	H07		i
H	F03.01		i
M	G01.03		i
M	E03.03		i

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

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

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

i = inside, o = outside, b = both

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

### 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, bbfb@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 [%]
BG03	0.182	BG00	99.818		

### 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).