



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 BG0000366
SITENAME Kresna - Ilindentsi

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code BG0000366	Back to top
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1.3 Site name

Kresna - Ilindentsi

1.4 First Compilation date 2006-03	1.5 Update date 2022-10
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1.6 Respondent:

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

1.7 Site indication and designation / classification dates

Date site classified as SPA:	0000-00
National legal reference of SPA designation	No data
Date site proposed as SCI:	2007-03
Date site confirmed as SCI:	2008-12
Date site designated as SAC:	2021-03
National legal reference of SAC designation:	Designation Order No. RD - 264/31.03.2021 (promulgated SG 41 /2021) issued by the Minister of Environment and Water.
Explanation(s):	Adopted by Council of Ministers Decision No. 122/02.03.2007 (promulgated SG 21/2007). 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 - 264/ 31.03.2021 (promulgated SG 41/2021) with prohibitions and restrictions on activities contradicting the conservation objectives of the site thereafter amended and supplemented by Order No RD - 992/21.10.2022 (promulgated SG 85/2022).

2. SITE LOCATION

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2.1 Site-centre location [decimal degrees]:

Longitude

23.1647

Latitude

41.7553

2.2 Area [ha]:

48596.5184

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

2.6 Biogeographical Region(s)

Continental (80.8
%)

Alpine (19.2
%)

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
4060B			205.92		M	C	C	C	C
4070B			12.55		M	C	C	C	C
5210B			94.55		M	A	C	A	A
6110B			0.3		G	D			
6210B			2543.51		M	A	B	B	B
6220B			2202.86		M	A	B	B	B
6230B			76.53		M	C	C	C	C
62A0B			15.02		M	A	C	A	A
62D0B			419.15		M	C	C	B	C
6420B			2.01		M	C	C	B	C
6430B			18.12		G	A	C	B	B
6510B			12.93		G	C	C	B	C
6520B			1283.36		M	A	B	B	A
8110B			26.44		M	C	C	B	C
8210B			24.35		M	A	C	A	A
8220B			51.16		M	A	C	A	A
8230B			52.69		M	A	C	A	A
8310B				28	G	B	C	B	B
9110B			1696.52		M	B	A	B	B
9130B			4631.11		M	A	B	B	A
9150B			146.42		M	C	C	B	C

9170B			3171.93		M	A		C		B		B
9180B			3.18		G	C		C		B		C
91AAB			3692.75		M	B		B		C		C
91BAB			165.1		M	A		C		B		A
91CAB			3656.56		M	A		B		B		A
91E0B			89.95		G	A		C		B		A
91M0B			1161.65		M	A		C		A		A
91Z0B			27.8		M	A		C		A		A
9260B			5.11		M	C		C		B		C
92A0B			43.32		G	C		B		C		C
92C0B			78.51		M	A		A		B		A
92D0B			2.44		G	B		C		B		B
9410B			7.85		G	B		C		A		B
9530B			1625.45		M	A		B		A		A
9560B			1132.59		M	A		A		B		A
95A0B			538.64		M	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.
F	1130	Aspius aspius			p	69540	69540	area	P	P	C	A	B	A
I	1093	Austropotamobius torrentium			p	4	4	localities	C	M	C	A	C	B
M	1308	Barbastella barbastellus			p	219	363	i		M	C	B	C	C
F	5088	Barbus cyclolepis			p	25	25	length	C	G	B	A	C	A
A	1193	Bombina variegata			p	27	27	grids1x1	C	G	C	A	C	A
M	1352	Canis lupus			p	12	16	i		G	C	A	C	A
P	4080	Centaurea immanuelis-loewii			p	800	900	i	R	M	B	A	B	A
I	1088	Cerambyx cerdo			p				R	DD	C	A	C	B
F	6963	Cobitis taenia Complex			p	1	1	length	C	G	C	B	A	B
I	4046	Cordulegaster heros			p	2	2	localities	R	G	C	A	C	A
I	1086	Cucujus cinnaberinus			p				V	DD	C	A	C	B
R	1279	Elaphe quatuorlineata			p	10	10	grids1x1	C	M	A	C	B	A
R	1220	Emys orbicularis			p	10	10	grids1x1	P	P	C	B	C	B
I	4033	Erannis ankeraria			p	1	1	grids1x1	P	DD	A	B	B	B
I	1074	Eriogaster catax			p			grids1x1	P	DD	B	B	C	B
I	6199	Euplagia quadripunctaria			p	9	9	grids1x1	R	P	C	B	C	B

I	1083	Lucanus cervus			p	4	4	grids1x1	R	M	C	A	C	B
M	1355	Lutra lutra			p	5	5	grids1x1	P	G	C	B	C	B
I	1060	Lycaena dispar			p				R	DD	C	A	B	B
M	2609	Mesocricetus newtoni			p				P	DD	D			
M	1310	Miniopterus schreibersii			c			i	R	DD	C	B	C	C
I	6908	Morimus asper funereus			p	3	3	grids1x1	R	M	C	A	C	B
M	1323	Myotis bechsteinii			p	101	201	i		M	C	B	C	C
M	1307	Myotis blythii			r	8	12	bfemales	C	M	C	B	C	B
M	1307	Myotis blythii			w	5	5	i		M	C	B	C	C
M	1316	Myotis capaccinii			p				P	DD	D			
M	1321	Myotis emarginatus			r	860	1500	bfemales		G	B	A	C	B
M	1324	Myotis myotis			r			bfemales	C	DD	C	B	C	B
M	1324	Myotis myotis			w			i		DD	C	B	C	C
I	1037	Ophiogomphus cecilia			p	2	2	localities	R	G	C	A	C	A
I	4053	Paracaloptenus caloptenoides			p				R	DD	C	B	C	B
I	4042	Polyommatus eroides			p	124	124	grids1x1	C	G	A	B	B	B
I	4022	Probaticus subrugosus			p			grids1x1	V	DD	A	B	C	B
M	1305	Rhinolophus euryale			p	101	250	i		G	C	B	C	C
M	1304	Rhinolophus ferrumequinum			w	195	250	i		G	C	B	C	C
M	1304	Rhinolophus ferrumequinum			r	320	420	bfemales	C	G	B	B	C	B
M	1303	Rhinolophus hipposideros			w	34	52	i		G	C	B	C	C
F	5339	Rhodeus amarus			p	40	40	length	C	G	C	A	C	B
I	1087	Rosalia alpina			p			trees	R	DD	C	A	C	B
R	1219	Testudo graeca			p	38	38	grids1x1	C	G	C	B	C	A
R	1217	Testudo hermanni			p	38	38	grids1x1	C	G	C	B	C	A
A	1171	Triturus karelinii			p	6	6	localities	R	M	C	A	C	B
I	1032	Unio crassus			p	23409	23409	i	R	M	C	A	C	A
M	1354	Ursus arctos			p	2	3	i		G	C	A	C	B
M	2635	Vormela peregusna			p				P	DD	C	B	C	B
R	6095	Zamenis situla			p	17	17	grids1x1	R	M	B	C	B	A

- **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		Alburnoides bipunctatus						C					X	
F		Alburnus alburnus						R						X
I		Apatura metis						C					X	
A		Bufo viridis						C					X	
F		Chondrostoma vardareense						C				X		
R		Coluber caspius						P					X	
R		Coronella austriaca						P					X	
R		Elaphe longissima						P			X			
I		Erebia medusa						C						X
I		Glaucopsyche alexis						C						X
F		Gobio gobio						C						X
I		Hipparchia senthes						C						X
A		Hyla arborea						C					X	
I		Isophya andreevae						R			X			
R		Lacerta trilineata						C					X	
R		Lacerta viridis						C					X	
F		Leuciscus cephalus						C						X
I		Limenitis populi						P						X
I		Lycaena ottomana						C						X
I		Maculinea arion						C					X	
I		Mantispa perla						V			X			
I		Melitaea trivia						C					X	
R		Natrix tessellata						P					X	
I		Neptis rivularis						P						X
I		Nymphalis xanthomelas						P						X
F		Oxynoemacheilus bureschi						C				X		
I		Parnassius apollo						P						X
I		Parnassius mnemosyne						C					X	
I		Pieris ergane						C						X
R		Podarcis erhardii						C					X	
R		Podarcis muralis						C					X	
R		Podarcis taurica						C					X	
I		Pseudophilotes vicrama						C						X
I		Pyrgus cinarae						C						X
A		Rana dalmatina						C					X	
F		Salmo macedonicus						R				X		
I		Scolitantides orion						C					X	
I		Thymelicus acteon						C						X
F		Vimba melanops						V				X		
R		Vipera ammodytes						P					X	
I		Zerynthia polyxena						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
N06	14.0
N21	1.0
N20	22.0
N15	2.0
N16	23.0
N19	2.0
N12	5.0
N10	1.0
N23	1.0
N17	4.0
N09	3.0
N08	22.0
Total Habitat Cover	100

Other Site Characteristics

The site has several separate cores connected by river valleys in a single site. The site is like a buffer zone to the west of Pirin National Park, it also includes the highest parts of Maleshevska and Vlahina Mountains towards the border with Macedonia, and between them the deep Kresna Gorge of the Struma River. Unique biodiversity is concentrated in the site. Here the Rhodope Mountains has the best ecological connection with the mountains on the border between Bulgaria and Macedonia. Simultaneously, the Struma River is biocorridor for the migration of species in south and north direction. Steep mountain slopes are a strong barrier for these migrations, and in the region of Kresna gorge a unique and highly vulnerable bottleneck biocorridor is formed. The area includes natural and semi-natural ecosystems of sub-alpine level in Pirin as well as areas with vegetation typical of the continental sub-Mediterranean and in the south of the meso-Mediterranean climate (according to Rivas - Martinez). There is exceptional in Europe climate gradation from north to south: for about 20 km in the valley the average annual temperature varies with 1 degree. There are representatives of preglacial Mediterranean vegetation and fauna in the site, as well as relict glacial species in the higher parts. The site includes the northern boundary of distribution of many species and mediteranean communities, including communities of *Platanus orientalis*, *Quercus coccifera*, *Phyllirea media*, *Juniperus excelsa*. Some areas of forest monocultures are excluded from the site. "Zandana" (N 41° 39' 02.2" E 23° 15' 15.6" WGS 84, alt. 490 m) is a complex of 3 caves situated between the villages of Ploski and Ilindentsi. Breeding colonies of horseshoe bats and migratory groups/colonies of other bat species were observed in these caves. Other species of bats are known to live in rock fissures.

4.2 Quality and importance

The rivers of the pSCI are preserved in their natural or semi-natural condition. They are following their natural riverbeds and the territories of their riparian terraces are slightly fragmented. The riparian forests of *Alnus glutinosa* and *Salix* sp. (Priority Habitat 91E0) and riparian forest of *Platanus orientalis* (92C0) forms one of the most qualitative riparian galleries in the country. The ichtiofauna is distinguishly rich and divers (important food resource for the otter's stable population) There are 12 inhabitant fish species, 3 of which are included in Annex II of Directive 92/43/EEC and 10 species of herpethofauna, 3 of which in Annex II of the same Directive. This makes pSCI "Kresna-Ilindentzi" one of the most valuable for protection of ihtiofauna, herpethofauna and natural habitats. The natural river system of the mountain is of great importance for the fish migration. ?? Majority of the horseshoe bats, which are living in the southern parts of the Struma River Valley are hibernating in the cave.

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			
	Threats and	Pollution	inside/outside

Positive Impacts			
	Activities,	Pollution	inside

Rank	pressures [code]	(optional) [code]	[i o b]
M	E03.01		i
H	J02		i
H	B01.02		i
L	A08		i
H	C01.04.01		i
M	D02.01		i
M	F02.03		i
M	J01		o
M	B02.02		i
L	A07		i
M	C01.04.01		o
M	G01.03		i
H	E03		o
H	J02.05		i
M	A02		i
H	F03.02.03		i
L	F03.02		i
M	E02		i
L	H07		i
H	B03		i
M	A04		i
M	A04		o
L	G02.02		i
H	B		i
M	J01		i
H	F03.02.01		i
L	E01.03		i
M	C01.04		i
H	D01.02		i
L	G01.04		i
M	E01		i
H	C01.01		i
M	E03.03		i
L	D02.01		o
M	D05		i
H	B02.01		i
H	A04.03		i
M	B02.03		i
L	F04		i
H	F03.01		i
M	B02.04		i
H	J02.03		i

Rank	management [code]	(optional) [code]	/outside [i o b]
M	A04		i
M	A04		o
L	D02.01		o
M	F02.03		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

4.4 Ownership (optional)

4.5 Documentation

Initial proposal and description of the site made by Balkani Wildlife Society / office@balkani.org; Centre for Environmental Information and Education / ceie@ceie.org; St. Beshkov, B. Petrov - National Museum of Natural History, Sofia /boyanpp@nmnh.bas.bg .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).Site-specific Conservation Objectives for Natura 2000 site BG0000366;

Link(s): <http://natura2000.moew.government.bg/Home/ProtectedSite?code=BG0000366&siteType=HabitatDirective>

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
BG01	1.4796	BG03	0.1387	BG06	0.809
BG00	97.5727				

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
BG01	Tisata	+	1.4796
BG06	Buina	+	0.1
BG06	Estestveno nahodishte na chinar	+	0.116
BG06	Moravska	+	0.43
BG03	Momina skala	+	0.1387
BG06	Kuchkarnika	+	0.163

5.3 Site designation (optional)

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Regional Inspectorate of Environment and Water: Blagoevgrad
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).