



# 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 **BG0002003**  
SITENAME **Kresna**

## TABLE OF CONTENTS

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

## 1. SITE IDENTIFICATION

[Back to top](#)

<b>1.1 Type</b> A	<b>1.2 Site code</b> BG0002003
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### 1.3 Site name

Kresna
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<b>1.4 First Compilation date</b> 2005-10	<b>1.5 Update date</b> 2015-07
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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 Maria Luiza Blvd. 22 1000 Sofia
<b>Email:</b>	r.dimova@moew.government.bg

### 1.7 Site indication and designation / classification dates

<b>Date site classified as SPA:</b>	2007-03
<b>National legal reference of SPA designation</b>	Site classified as SPA by Council of Ministers Decision No. 122/02.03.2007 (promulgated SG 21/2007).
<b>Explanation(s):</b>	Site classified as SPA by Council of Ministers Decision No. 122/02.03.2007 (promulgated SG 21/2007). Issued designation order by the Minister of Environment and Water with prohibitions and restrictions on activities contradicting the conservation objectives of the site – Order No. RD – 748/24.10.2008 (promulgated SG 97/2008).

## 2. SITE LOCATION

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

[Back to top](#)
**Longitude**

23.1656

**Latitude**

41.7289

**2.2 Area [ha]:**

23495.5854

**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
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### 2.6 Biogeographical Region(s)

Continental (100.0%)

## 3. ECOLOGICAL INFORMATION

### 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

[Back to top](#)

Species					Population in the site						Site assessment				
Group	Code	Scientific Name	S	NP	Type	Size		Unit	Cat.	Data quality	A B C D				
						Min	Max				Pop.	Cons.	Isol.	Glob.	
											C R V P				
B	A402	<a href="#">Accipiter brevipes</a>			c				P	DD		A	A	C	A
B	A402	<a href="#">Accipiter brevipes</a>			r	4	7	p		G		A	A	C	A
B	A086	<a href="#">Accipiter nisus</a>			p	4	5	p		G		C	B	C	C
B	A168	<a href="#">Actitis hypoleucos</a>			c				P	DD		C	B	C	C
B	A168	<a href="#">Actitis hypoleucos</a>			r	4	6	p		G		C	B	C	C
B	A079	<a href="#">Aegypius monachus</a>			c	1	2	i	V	G		C	A	B	B
B	A229	<a href="#">Alcedo atthis</a>			p	9	11	p		G		C	A	C	C
B	A465	<a href="#">Alectoris graeca graeca</a>			p	30	45	p		G		C	B	B	B
B	A053	<a href="#">Anas platyrhynchos</a>			p	1	9	p		G		D			
B	A255	<a href="#">Anthus campestris</a>			c				P	DD		C	A	C	B
B	A255	<a href="#">Anthus campestris</a>			r	5	10	p		G		C	A	C	B
B	A091	<a href="#">Aquila chrysaetos</a>			p	1	1	p		G		C	A	C	C
B	A090	<a href="#">Aquila clanga</a>			c	1	5	i	P	G		C	B	B	B
B	A404	<a href="#">Aquila heliaca</a>			r		1	i		G		C	B	C	C
B	A404	<a href="#">Aquila heliaca</a>			c		1	i		G		C	B	C	C
B	A089	<a href="#">Aquila pomarina</a>			r	1	1	p		G		C	B	C	C

B	A089	<a href="#">Aquila pomarina</a>			c				P	DD	C	B	C	C
B	A028	<a href="#">Ardea cinerea</a>			c	2	2	i		G	C	B	C	C
B	A215	<a href="#">Bubo bubo</a>			p	4	5	p		G	C	A	C	C
B	A133	<a href="#">Burhinus oedicnemus</a>			r	1	1	p		G	C	A	C	C
B	A087	<a href="#">Buteo buteo</a>			p	7	15	p		G	C	B	C	C
B	A403	<a href="#">Buteo rufinus</a>			p	3	4	p		G	C	B	C	B
B	A243	<a href="#">Calandrella brachydactyla</a>			c				P	DD	C	A	C	C
B	A243	<a href="#">Calandrella brachydactyla</a>			r	5	10	p		G	C	A	C	C
B	A224	<a href="#">Caprimulgus europaeus</a>			r	70	160	p		G	C	B	C	B
B	A224	<a href="#">Caprimulgus europaeus</a>			c				P	DD	C	B	C	B
B	A136	<a href="#">Charadrius dubius</a>			c				P	DD	C	B	C	C
B	A136	<a href="#">Charadrius dubius</a>			r	25	35	p		G	C	B	C	C
B	A031	<a href="#">Ciconia ciconia</a>			c				P	DD	C	B	C	C
B	A031	<a href="#">Ciconia ciconia</a>			r	5	5	p		G	C	B	C	C
B	A030	<a href="#">Ciconia nigra</a>			r	4	4	p		G	C	B	C	C
B	A030	<a href="#">Ciconia nigra</a>			c				P	DD	C	B	C	C
B	A080	<a href="#">Circus gallicus</a>			c				P	DD	C	A	C	B
B	A080	<a href="#">Circus gallicus</a>			r	3	6	p		G	C	A	C	B
B	A081	<a href="#">Circus aeruginosus</a>			c				P	DD	C	B	C	C
B	A231	<a href="#">Coracias garrulus</a>			r	10	12	p		G	C	B	C	C
B	A231	<a href="#">Coracias garrulus</a>			c				P	DD	C	B	C	C
B	A122	<a href="#">Crex crex</a>			r	3	3	p		G	C	B	C	C
B	A238	<a href="#">Dendrocopos medius</a>			p	20	30	p		G	C	B	C	C
B	A429	<a href="#">Dendrocopos syriacus</a>			p	35	50	p		G	C	A	C	C
B	A236	<a href="#">Dryocopus martius</a>			p	2	2	p		G	C	B	C	C
B	A379	<a href="#">Emberiza hortulana</a>			c				P	DD	C	A	C	A
B	A379	<a href="#">Emberiza hortulana</a>			r	240	340	p		G	C	A	C	A
B	A101	<a href="#">Falco biarmicus</a>			c		1	p	P	G	A	B	A	B
B	A511	<a href="#">Falco cherrug</a>			p		1	p		G	B	A	C	B
B	A511	<a href="#">Falco cherrug</a>			c	2	3	i		G	B	A	C	B
B	A100	<a href="#">Falco eleonora</a>			c	20	50	i	P	G	C	B	B	B
B	A103	<a href="#">Falco peregrinus</a>			r	3	5	p		G	B	A	C	B
B	A099	<a href="#">Falco subbuteo</a>			r	1	1	p		G	C	B	C	C
B	A096	<a href="#">Falco tinnunculus</a>			p	25	30	p		G	C	B	C	C
B	A097	<a href="#">Falco vespertinus</a>			c				P	DD	C	B	C	C
B	A442	<a href="#">Ficedula semitorquata</a>			r		1	p		G	C	B	C	C
B	A123	<a href="#">Gallinula chloropus</a>			p	1	3	p		G	D			
B	A078	<a href="#">Gyps fulvus</a>			c	10	30	i	P	G	B	A	B	B
B	A078	<a href="#">Gyps fulvus</a>			p	2	4	p	P	G	B	A	B	B





N15	2.0
N06	1.0
<b>Total Habitat Cover</b>	NaN

### Other Site Characteristics

Kresna is situated in South-west Bulgaria along the Struma River valley in the region of Kresna Gorge. On the south it reaches the villages Palat and Drakata, on the north ? the village Krupnik, on the east - the foot of the Pirin Mountain and on the west ? the foothills of the Maleshevska Mountain. The climate is transitory Mediterranean. The sediment soils prevail along the river course, followed by moltic, delluvial alluvial shallow soils and in the periphery ? maroon soils. The Kresna Gorge is a rocky complex on a silicate base. It features steep stony slopes, a big rock massif with vertical cliff walls and smaller rocky habitats. South of the gorge there are hills covered with Mediterranean vegetation, with altitude up to 500 m. The mixed oak forests - *Quercus pubescens*, *Carpinus orientalis*, and *Fraxinus ornus*, as well as the mixed forests of *Juniperus excelsa* and *Q. pubescens* with undergrowth of evergreen Mediterranean shrubs are widely spread at an altitude of up to 500 m. Forests of *Juniperus excelsa* with undergrowth of *Juniperus oxycedrus* prevail at certain places. *Paliurus spina-cristi* and *Pistacia terebinthus* occur mainly along the gorges. In the more southern regions occur some typical Mediterranean evergreen species as *Quercus coccifera* and *Phillyrea media*. The associations of Pubescent Oak and Oriental Hornbeam are quite characteristic. The Juniper and mixed Juniper-Pubescent Oak forests with undergrowth of evergreen Mediterranean shrubs are the habitats, which determine the high proportion of the Mediterranean speices (more than 30%) in the ornithofauna of Kresna. Along the Struma valley in the Kresna gorge and in the foothills of the Pirin Mountain there are associations of *Platanus orientalis*. The lower parts of these regions along the rivers and on the wet spots support associations of willow and alder *Salix* spp. and *Alnus* spp. An endemic species occurring there is *Minuartia dilijane*. There are also sparse artificial plantations of Austrian Pine *Pinus nigra* as well as farmlands, mainly pastures.

### 4.2 Quality and importance

The region of Kresna supports 147 bird species. Twenty-two of them are listed in the Red Data Book for Bulgaria. Sixty-four are of European conservation concern (SPEC) (BirdLife International, 2004), two species being included in category SPEC 1 as globally threatened (the Corncrake *Crex crex*), 22 species ? in SPEC 2 and 40 species ? in SPEC 3 as threatened in Europe. Kresna supports the populations of a 44 bird species of European Union importance, 35 of which are included in Annex I of Bird Directive. Kresna is of global importance as a representative example for the Mediterranean biome. Eight biome-restricted bird species, typical for the Mediterranean biome occur there ? Rock Partridge *Alectoris graeca*, Olive-tree Warbler *Hippolais olivetorum*, Masked Shrike *Lanius nubicus*, Woodchat Shrike *Emberiza melanocephala*, Black-eared Wheatear *Oenanthe hispanica*, Subalpine Warbler *Sylvia cantillans*, Sardinian Warbler *Sylvia melanocephala* and Rock Nuthatch *Sitta neumayer*. For the Levant Sparrowhawk *Accipiter brevipes* the region of Kresna is one of the most important breeding sites in Bulgaria. The area supports considerable country populations of the Rock Partridge *Alectoris graeca*, Ortolan Bunting *Emberiza hortulana*, Olive-tree Warbler *Hippolais olivetorum*, Red-backed Shrike *Lanius collurio*, Masked Shrike *Lanius nubicus*, Woodlark *Lullula arborea*, Corn Bunting *Miliaria calandra*, Blue Rock Thrush *Monticola solitarius*, Sombre Tit *Parus lugubris*, Turtle Dove *Streptopelia turtur*, Rufous-tailed Rock Thrush *Monticola saxatilis* and Scops Owl *Otus scops*. The Kresna Gorge is situated on the migration route Via Aristotelis and it is of regional importance for migrating birds ? mainly passerines and raptors, but also waterbirds.

### 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]
H	C01.07		i
H	J02.05		i
M	A04		i
L	A05.02		i
L	A05.01		i
M	J01		o
M	C01.01		i
H	K01.01		i
L	F03.02.01		i
M	D01.02		i
H	C01.01.01		i
M	G05		i
L	F03.01		i
H	H06.01		i
H	E03.01		i
M	F03.02.03		i
H	D01.04		i
H	E01.04		i
H	E03		i
M	B01		i
L	F02.03		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
H	C01.07		i
H	D01.04		i
H	E03		i
H	E01.04		i
L	F02.03		i
M	A03		i
H	H06.01		i
L	A05.01		i
L	A05.02		i
M	A09		i
H	E01.03		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

#### 4.5 Documentation

Initial proposal and description of the site made by Dr. J. Spiridonov - Wilderness Fund, (+3592)9880914; S. Spasov - Bulgarian Society for the Protection of Birds, Bulgaria, 1111 Sofia, P.O.Box 50, phone (+359 2) 9715855, fax (+359 2) 9715856, www.bspb.org; Dr. P. Shurulinkov – Zoology Institute, BAS, 1 "Tzar Osvoboditel" blvd., 1000 Sofia; I. Nikolov, B. Nikolov - CEIE, 1303 Sofia, 17A "S.Vratchanski" Str., (+3592)9808497. Data revised by a team of Bulgarian Academy of Sciences (<http://www.bas.bg>). Documents: BDZP/BirdLife Balgariya. 2005. "Nacionalna banka za ornitologichna informacia 1988-2005", Balgarsko Druzhestvo za zastita na pticite; Botev, B. and Tz. Peshev, (eds). 1985. Red Data Book of Republic Bulgaria. 2: Animals. Sofia: Bulgarian Academy of Science. (In Bulgarian.); Kostadinova, I. (sast.) 1997. Ornitologichno vazhni mesta v Balgariya. BDZP, Prirodzashtitna poreditsa. Kniga 1, BDZP, Sofiya, 176 s.; Michev, T., Tz. Petrov, L. Profirov, P. Iankov, S. Gavrailov. 1989. Razprostranenie I prirodzashtiten status na skalniya orel *Aquila chrysaetos chrysaetos* (L.), 1758 v Balgariya. ? Izv. Muz. Yu. Balgariya, 15, 79-87.; MOSV. 2005. Arhiv na zastitenite teritorii v Bulgaria. Baza dannii (nepubl.); Petrov, Tz. 1997b. Belyat shtarkel (*Ciconia ciconia*) v Balgariya. Prirodzashtitna poreditsa, Kniga 2, BDZP, Plovdiv.; Petrov, Tz., P.Iankov, T. Michev, B. Milchev, L. Profirov. 1991. Razprostranenie, chislenost I merki za opazvane na cherniya shtarkel, *Ciconia nigra* (L.) v Balgariya. ? Izv. Muz. Yu. Balgariya, T. 17, 25-32.; Simeonov, S. 1986. Materiali varhu razprostranienieto I gnezdovata biologiya na chervenogushoto koprivarche (*Sylvia cantillans* (Pallas)) v Balgariya. ? Ekologiya. 19, 57-61.; Simeonov, S., T. Michev. 1985. Savremenno razprostranenie I chislenost na buhala (*Bubo bubo*(L.) v Balgariya. ? Ekologiya, 15, 60-65.; Stoyanov, G., G. Kotsakov, N.Todorov, V. Bozhilov. 2001. Vidov sastav, karakter na prebivavane I prirodzashtiten status na ornitofaunata v Kresnenskiya prolom. - P.Beron (red.), Bioraznoobrazie na Kresnenskiya prolom, 305-323.; Vatev, I., P. Simeonov, T. Michev, B. Ivanov.1980. Belochelata svrachka (*Lanius nubicus* Lichtenstein) ? gnezdysht vid v Balgariya. ? Acta zoologica Bulgarica, 15, 115-118.; BirdLife International. 2000. Threatened birds of the world. Barcelona and Cambridge, UK: Lynx Edicions and BirdLife International, 695pp.; Birdlife International (2004) Birds in Europe: Population estimates, trends and conservation status. Cambridge, UK: Birdlife International (Birdlife Conservation Series No. 12).; BirdLife International. 2005. World Bird Database ? Important Birds Areas.Bulgaria. Cambridge. (unpublished); Iankov, P., N. Petkov, A. Kovachev, D. Plachiisky. (in print). Pygmy Cormorant in Bulgaria 2001/2002. Final Report.; Kostadinova, I., S.Dereliev. 2001. Results the Mid-Winter Counts of Waterbirds in Bulgaria for the period 1997- 2001. BSPB Conservation Series. Book 3, BSPB, Sofia, BG; Kostadinova, I., M. Mihailov, (comp.) 2002. Guide for NATURA 2000 in Bulgaria. BSPB nature conservation series No5. BSPB, Sofia, 80pp. (In Bulgarian.); Kostadinova, I. 2005. Application of C criteria for Identification of Important Bird Areas of European Union importance in Bulgaria. Preliminarily implementation and analysis of the gaps. ? In: Petrova, A. (ed.), Current state of Bulgarian biodiversity ? problems and perspectives. Pp. 533-548. Bulgarian Bioplatform, Sofia Kouzmanov, G. 1996. L`Aigle pomarin *Aquila pomarina* en Bulgarie. ? In: Meyburg, B.-U. & R. D. Chancellor eds. Eagle Studies. World Working Group on Birds of Prey (WWGBP), Berlin, London & Paris, 319-326.; Kouzmanov, G., G. Stoyanov, R. Todorov. 1996. Sur la Biologie et la Protection de l'Aigle royal *Aquila chrysaetos* en Bulgarie. - In: Meyburg, B.-U. & R.D. Chancellor eds. 1994. Raptor Conservation Today, WWGBP/ The Pica Press, 505-515.; Michev, T., Tz. Petrov, L. Profirov. 1989. Status, breeding, distribution, numbers and conservation of the White Stork in Bulgaria; Simeonov, S. 1970. Über die Verbreitung mediterraner Vogelarten in Bulgarien. ? Die Vogelwelt., 91, 2, 59-67. MOEW. 1998. CORINE Biotopes Database of the sites of European Importance for the biodiversity. Bulgaria, MOSV (nepubl.); Osieck, E. 2000 Filling in the requirements of the EU Birds Directive: Lessons from the "Dutch Case?". In: European IBA Workshop. 29 March - 2 April 2000, Brussels, Belgium. Proceedings. BirdLife International, 86-99; Waliczky, Z. 2000 "Important Bird Areas of European Union Importance: explanation of the EU Criteria applied in IBA 2000? In: European IBA Workshop. 29 March - 2 April 2000, Brussels, Belgium. Proceedings. BirdLife International, 12-16;

Link(s): <http://natura2000.moew.government.bg/Home/ProtectedSite?code=BG0002003&siteType=BirdsDirective>

## 5. SITE PROTECTION STATUS (optional)

[Back to top](#)

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

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
BG06	1.05	BG00	96.546	BG03	0.004
BG01	2.4				

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

designated at national or regional level:

Type code	Site name	Type	Cover [%]
BG03	MOMINA SKALA	+	0.004
BG06	NATURAL PLANE TREE HABITAT - BUYNA	+	
BG06	MORAVSKA	+	1.0
BG06	NATURAL PLANE TREE HABITAT	+	

BG06	NATURAL PLANE TREE HABITAT - KUCHKARNIKA	+	0.049
BG01	TISATA	+	2.4

designated at international level:

Type	Site name	Type	Cover [%]
Other	IBA	=	100.0

### 5.3 Site designation (optional)

About 6% of the territory of Kresna is given legal protection under the national nature conservation law. The only reserve in the area ? ?Tissata? was designated in 1949 for the protection of *Juniperus exelsa*. Initially the reserve covers 19 ha, but in 1978 it is enlarged to its present territory. The ?Moravska? Natural Monument is designated also for the conservation of Juniper. The other protected areas are designated for the protection of typical landscapes and plant communities. In 1997 the area was designated as Important Bird Area by BirdLife International. It largely overlaps with ?Kresna? CORINE Site appointed in 1998 because of its European value for habitats, rare and threatened plant and animal species, including birds.

## 6. SITE MANAGEMENT

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

Organisation:	Regional Inspectorate of Environment and Water -Blagoevgrad;West-Aegean Rive Basin Directorate; Forestry Departments - Kresna, Simitli,Tsaparevo
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

## 7. MAP OF THE SITES

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).