



NATURA 2000 - STANDARD DATA FORM

For Special Protection Areas (SPA),
Proposed Sites for Community Importance (pSCI),
Sites of Community Importance (SCI) and
Sites of Community Importance (SCI) and

for Special Areas of Conservation (SAC)

SITE **BG0002013**
SITENAME **Studen kladenets**

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1. SITE IDENTIFICATION

1.1 Type A	1.2 Site code BG0002013	Back to top
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1.3 Site name

Studen kladenets

1.4 First Compilation date 2005-10	1.5 Update date 2015-07
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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:	2007-03
National legal reference of SPA designation	Site classified as SPA by Council of Ministers Decision No. 122/02.03.2007 (promulgated SG 21/2007).
Explanation(s):	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 - 766/28.10.2008 (promulgated SG 101/2008).

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude
25.5425

Latitude
41.62277777777778

2.2 Area [ha]:

15995.238

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

BG42	Южен централен / Yuzhen tsentralen
BG42	Южен централен / Yuzhen tsentralen

2.6 Biogeographical Region(s)

Continental (100.0
%)

3. ECOLOGICAL INFORMATION

3.1 Habitat types present on the site and assessment for them

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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	A086	Accipiter nisus			p	3	8	p		G	C	A	C	C
B	A168	Actitis hypoleucos			r	2	2	p		G	C	A	C	C
B	A168	Actitis hypoleucos			c				P	DD	C	B	C	C
B	A079	Aegypius monachus			c	1	1	i		G	A	A	B	A
B	A079	Aegypius monachus			p	1	1	p		G	A	A	B	A
B	A229	Alcedo atthis			p	13	17	p		G	C	A	C	C
B	A054	Anas acuta			w		12	i		G	C	B	C	C
B	A054	Anas acuta			c	4	10	i		G	C	B	C	C
B	A056	Anas clypeata			c	10	15	i		G	C	B	C	B
B	A056	Anas clypeata			w		2	i		G	C	B	C	B
B	A052	Anas crecca			w		1084	i		G	B	A	C	B
B	A052	Anas crecca			c	30	30	i		G	B	A	C	B
B	A050	Anas penelope			w		72	i		G	C	B	C	B
B	A050	Anas penelope			c	30	30	i		G	B	B	C	B
B	A053	Anas platyrhynchos			w	99	2636	i		G	B	A	C	B
B	A053	Anas platyrhynchos			c	488	650	i		G	B	A	C	B
B	A055	Anas querquedula			c		50	i		G	C	B	C	C
B	A055	Anas querquedula			w		247	i		G	C	B	C	C
B	A051	Anas strepera			c	1	5	i		G	C	B	C	C
B	A051	Anas strepera			w		9	i		G	C	B	C	C
B	A041	Anser albifrons			w		13	i		G	C	B	C	C
B	A043	Anser anser			w		8	i		G	C	A	C	C
B	A255	Anthus campestris			r	1	7	p		G	C	B	C	C
B	A091	Aquila chrysaetos			p	1	1	p		G	C	A	C	C
B	A089	Aquila pomarina			c	10	10	i		G	C	B	C	C

B	A028	Ardea cinerea			w		29	i		G	A	A	C	A
B	A028	Ardea cinerea			c	5	14	i		G	A	A	C	A
B	A029	Ardea purpurea			c	1	1	i		G	C	B	C	C
B	A024	Ardeola ralloides			c	1	1	i		G	C	B	C	C
B	A024	Ardeola ralloides			r		5	p		G	C	B	C	C
B	A059	Aythya ferina			w		750	i		G	B	A	C	B
B	A061	Aythya fuligula			w		1	i		G	C	B	C	C
B	A061	Aythya fuligula			c	10	15	i		G	C	B	C	C
B	A060	Aythya nyroca			w		1	i		G	C	B	C	C
B	A060	Aythya nyroca			c	2	5	i		G	C	B	C	C
B	A215	Bubo bubo			p	5	10	p		G	C	A	C	A
B	A133	Burhinus oedicnemus			r	8	8	p		G	B	B	C	A
B	A133	Burhinus oedicnemus			c		15	i		G	B	B	C	A
B	A087	Buteo buteo			c				P	DD	C	B	C	C
B	A087	Buteo buteo			p	10	10	p		G	C	A	C	C
B	A087	Buteo buteo			w		8	i		G	C	B	C	C
B	A403	Buteo rufinus			p	2	3	p		G	C	B	C	C
B	A243	Calandrella brachydactyla			r	5	50	p		G	C	B	C	B
B	A224	Caprimulgus europaeus			r	75	155	p		G	C	A	C	B
B	A136	Charadrius dubius			r	32	37	p		G	C	A	C	C
B	A196	Chlidonias hybridus			c	1	1	i		G	C	B	C	C
B	A198	Chlidonias leucopterus			c				P	DD	C	B	C	C
B	A197	Chlidonias niger			c	30	40	i		G	C	B	C	C
B	A031	Ciconia ciconia			c	10	10	i		G	C	A	C	C
B	A031	Ciconia ciconia			r	5	5	p		G	C	A	C	C
B	A030	Ciconia nigra			w		3	i		G	B	A	C	A
B	A030	Ciconia nigra			r	30	30	p		G	B	A	C	A
B	A030	Ciconia nigra			c	35	35	i		G	B	A	C	A
B	A080	Circus gallicus			r	1	3	p		G	C	A	C	C
B	A081	Circus aeruginosus			c	1	1	i		G	C	B	C	C
B	A082	Circus cyaneus			w		1	i		G	C	A	C	C
B	A083	Circus macrourus			c	1	1	i		G	C	B	C	C
B	A084	Circus pygargus			c	1	1	i		G	C	B	C	C
B	A231	Coracias garrulus			r	15	50	p		G	C	A	C	B
B	A231	Coracias garrulus			c	1	1	i		G	C	A	C	B
B	A122	Crex crex			c	1	1	i		G	C	B	C	C
B	A038	Cygnus cygnus			w		44	i		G	B	B	C	B
B	A036	Cygnus olor			w		100	i		G	B	A	C	B
B	A238	Dendrocopos medius			p	8	8	p		G	C	B	C	C
B	A429	Dendrocopos syriacus			p	15	30	p		G	C	B	C	C
B	A236	Dryocopus martius			p	4	5	p		G	C	B	C	C
B	A027	Egretta alba			c	1	3	i		G	B	B	C	B
B	A027	Egretta alba			w	2	20	i		G	B	B	C	B
B	A026	Egretta garzetta			r		15	p		G	C	B	C	B
B	A026	Egretta garzetta			c	1	1	i		G	C	B	C	B
B	A379	Emberiza hortulana			r	44	215	p		G	C	A	C	C

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
B	A247	Alauda arvensis			455	455	p						X	
B	A218	Athene noctua			5	5	p						X	
B	A366	Carduelis cannabina			115	115	p						X	
B	A363	Carduelis chloris			120	120	p						X	
B	A347	Corvus monedula			50	50	p							X
B	A347	Coturnix coturnix			76	76	p						X	
B	A377	Emberiza cirlus			18	18	p						X	
B	A382	Emberiza melanocephala			592	592	p						X	
B	A359	Fringilla coelebs			770	770	p						X	
B	A244	Galerida cristata			150	150	p						X	
B	A251	Hirundo rustica			415	415	p						X	
B	A233	Jynx torquilla			32	32	p						X	
B	A383	Miliaria calandra			950	950	p						X	
B	A281	Monticola solitarius			6	6	p						X	
B	A278	Oenanthe hispanica			100	100	p						X	
B	A214	Otus scops			5	5	p						X	
B	A329	Parus caeruleus			85	85	p						X	
B	A443	Parus lugubris			50	50	p						X	
B	A235	Picus viridis			55	55	p						X	
B	A445	Sitta neumayer			20	20	p				X			
B	A210	Streptopelia turtur			75	75	p						X	
B	A311	Sylvia atricapilla			590	590	p						X	
B	A304	Sylvia cantillans			110	110	p						X	
B	A305	Sylvia melanocephala			20	20	p						X	
B	A283	Turdus merula			935	935	p						X	
B	A285	Turdus philomelos			20	20	p						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
N09	17.0
N10	
N06	18.0

N08	13.0
N15	1.0
N21	1.0
N22	
N19	3.0
N17	6.0
N23	1.0
N12	4.0
N16	36.0
Total Habitat Cover	NaN

Other Site Characteristics

A water reservoir established in the rocky defile of the Arda River, with vertical cliffs, steep banks covered by scant vegetation and the adjacent maintain hills. It is located in the Eastern Rhodopes, between the town of Kurdzhali and the village of Studen Kladenets. About 23 of the mountain slopes surrounding the reservoir are covered by secondary broadleaved mixed forests of *Carpinus orientalis*, *Fraxinus ornus*, *Quercus frainetto* or *Quercus dalechampii* with Mediterranean elements. Pure forests of *Quercus dalechampii* or such mixed with *Carpinus betulus* occur more rarely. At places there are woodlands and shrubs of *Carpinus orientalis* and *Paliurus spina-christi*, mixed with *Jasminum fruticans*, *Juniperus oxycedrus* and a combination of xerothermal grass formations with Mediterranean elements, for instance *Cistus incanus*. A considerable part of the area is occupied by rock complexes, single cliffs and stony screes. The region abounds in dispersed open plots, occupied by arable lands or meadows overgrown with xerothermal grass associations, dominated by *Dichantium ischaemum*, *Poa bulbosa*, etc. (Bondev 1991; Gjuleva, Petrova 1996).

4.2 Quality and importance

The territory of the Studen Kladenets IBA supports 219 bird species, 59 of which are listed in the Red Data Book for Bulgaria (1985). Of the birds occurring there 103 species are of European conservation concern (SPEC) (BirdLife International, 2004), 12 of them being listed in category SPEC 1 as globally threatened, 27 in SPEC 2 and 64 in SPEC 3 as species threatened in Europe. The area is of global importance, as it is a representative biome for the Mediterranean zone. Seven biome-restricted species, typical for the Mediterranean zone, out of 9 established in Bulgaria, occur there: Black-eared Wheatear *Oenanthe hispanica*, Olive-tree Warbler *Hippolais olivetorum*, Sub-alpine Warbler *Sylvia cantillans*, Sardinian Warbler *Sylvia melanocephala*, Rock Nuthatch *Sitta neumayer*, Masked Shrike *Lanius nubicus* and Black-headed Bunting *Emberiza melanocephala*. Studen Kladenets reservoir is proposed for inclusion in the National Ecological Network for conservation of the habitats of a complex of 69 bird species listed in Annex I of the Birds Directive and 21 migrating and wintering waterbird species. It is the only place in Bulgaria where the Black Vulture *Aegypius monachus* breeds, as well as one of the few sites in the country where the Lesser Kestrel *Falco naumanni* still breeds. One of the two colonies of Griffon Vulture *Gyps fulvus* in Bulgaria breeds on the cliff banks of the reservoir. Studen Kladenets is one of the most important areas in the country on a European Union scale for the species mentioned above, as well as for the breeding Black Stork *Ciconia nigra*, Egyptian Vulture *Neophron percnopterus*, Stone Curlew *Burhinus oedipnemus*, Eagle Owl *Bubo bubo*, Olive-tree Warbler *Hippolais olivetorum* and Masked Shrike *Lanius nubicus*. The area holds a significant on a European scale population of the Blue Rock Thrush *Monticola solitarius*.

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	F03.01		o
H	F02.03.01		i
L	D01.04		i
M	B		o
M	F01		o
M	K01.01		o
H	G01.04		o
L	A04.03		i
H	F03.01		i
L	B02.04		o
L	G01.03		i
L	E03.03		i
L	B02.04		i
L	L		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside /outside [i o b]
M	E01		i
L	D01.04		i
L	L		i
H	A05.01		o
H	E03.04		o
M	G02.04		o
H	E01.03		o
M	B02.01		o
H	A05.02		o
M	B01		o
L	A09		i
H	A04		i
H	E01.03		i
L	G02.04		i

H	A03		o
L	F03.02.01		i
L	H04		o
M	D01.01		o
L	A02		o
L	B03		i
L	F04		i
L	A08		o
H	B02.02		o
H	B02.02		i
L	D01.02		i
L	G05		o
L	F03.02.03		i
L	G05		i
L	A10.01		i
L	A08		i
L	A10		o
H	G01.03		o
H	A03		i
L	C01.01		i
H	F02.01.02		o
M	A01		o
H	F02.03.01		o
L	F03.02.03		o
M	F03.02		i
L	H		i
L	F03.02.09		o
M	D01.01		i
L	C01.01.01		o
L	A10		i
L	F02.03		o
M	J01		o
M	B		i
H	F02.01.02		i
L	A02		i
L	B02.03		o
M	F03.02		o
M	A01		i
M	B01.02		i
L	A10.01		o
M	H05		o
L	F03.02.01		o
H	G01.04		i
L	D02.01		i
L	E03.03		o
M	J01		i
H	F03.02.02		i
H	E03.01		o
L	C01.01.01		i
M	G01.05		o
M	H05		i
M	D02.01		o
M	G01.05		i
L	H		o
L	F02.03		i
H	E03.01		i
H	F03.02.02		o
L	H04		i

L	A09		o
M	K04.01		i
L	B02.01		i
L	H		i
L	H		o
L	G01.03		i
L	B01.02		o
H	A04		o
M	B01		i
M	A05.02		i
L	D02.01		i
L	D01.02		i
H	A05.01		i
H	E03.04		i

M	K01.01		i
L	A04.03		o
L	F04		o
L	D01.02		o
M	F01		i
L	F03.02.09		i
L	B03		o
L	B02.03		i
L	C01.01		o
L	E01		o

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 Dr. Petar Iankov, Hristo Hristov, Boris Barov - 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 .Data revised by a team of Bulgarian Academy of Sciences (<http://www.bas.bg>).Documents: Barov, B. 1995. Status na beloshipata vetrushka Falco naumanni v Iztochnite Rodopi. Otchet po proekt Opazvane na biologichnoto raznoobrazie na Iztochnite Rodopi ² faza. BSHPOBR, Sofiya.;Barov, B. 1996. Sastoyanie na populatsiyata na beloshipata vetrushka Falco naumanni v Iztochnite Rodopi, 1995-1996. Doklad po proekt Opazvane na biologichnoto raznoobrazie na Iztochnite Rodopi. BSHPOBR, Sofiya.;BDZP/BirdLife Balgariya. 2005. Nacionalna banka za ornitologichna informacia 1988-2005, Balgarsko Druzhestvo za zastita na pticite;Bondev, I. 1991. Rastitelnostta na Balgariya. S. Universitetsko izdatelstvo Sv. Kliment Ohridski, 183 s.;Botev, B. and Tz. 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Link(s): <http://natura2000.moew.government.bg/Home/ProtectedSite?code=BG0002013&siteType=BirdsDirective>

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
BG06	9.0	BG00	86.0	BG01	5.0

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
BG06	GOLEMIYA SIPEY	+	4.0
BG01	VALCHI DOL	+	5.0
BG06	SREDNA ARDA	+	3.0
BG06	YUMRUK SKALA	+	2.0

designated at international level:

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

5.3 Site designation (optional)

So far 14% of the area of Studen Kladenets is under legal protection as reserve and there are three protected areas. The Valchi Dol Reserve was designated in 1980 to protect the colony of Griffon Vulture, as well as other rare and threatened bird species, typical for the Eastern Rhodopes Mountain. In 1989 the area was designated as Important Bird Area by BirdLife International. About 95% of Studen Kladenets overlaps with the Arda Valley CORINE Site, which was designated 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:

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Organisation:	Regional Inspectorate of Environment and Water -Haskovo;East-Aegean River Basin Directorate;Forestry Departments - Krumovgrad; Kardzhali; Momchilgrad; Haskovo
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).