



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

BG0002013

SITENAME

Studen kladenets

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](#)

1.1 Type	1.2 Site code
A	BG0002013

1.3 Site name

Studen kladenets

1.4 First Compilation date	1.5 Update date
2005-10	2015-07

1.6 Respondent:

Name/Organisation:	Ministry of Environment and Water, "National Nature Protection Service" Directorate
Address:	Sofia Maria Luiza Blvd. 22 1000 Sofia
Email:	r.dimova@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]:

[Back to top](#)
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

3.2 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	A B C		
						Min	Max		C R V P		Pop.	Cons.	Isol.	Glob.
B	A086	Accipiter nisus			p	3	8	p		G	C	A	C	C
B	A168	Actitis hypoleucos			c				P	DD	C	B	C	C
B	A168	Actitis hypoleucos			r	2	2	p		G	C	A	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			w		2	i		G	C	B	C	B
B	A056	Anas clypeata			c	10	15	i		G	C	B	C	B
B	A052	Anas crecca			c	30	30	i		G	B	A	C	B
B	A052	Anas crecca			w		1084	i		G	B	A	C	B
B	A050	Anas penelope			c	30	30	i		G	B	B	C	B
B	A050	Anas penelope			w		72	i		G	C	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			w		247	i		G	C	B	C	C

B	A055	Anas querquedula			c		50	i		G	C	B	C	C
B	A051	Anas strepera			w		9	i		G	C	B	C	C
B	A051	Anas strepera			c	1	5	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			c	5	14	i		G	A	A	C	A
B	A028	Ardea cinerea			w		29	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			c		15	i		G	B	B	C	A
B	A133	Burhinus oedicnemus			r	8	8	p		G	B	B	C	A
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	A087	Buteo buteo			c				P	DD	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			r	30	30	p		G	B	A	C	A
B	A030	Ciconia nigra			w		3	i		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			c	1	1	i		G	C	B	C	B
B	A026	Egretta garzetta			r		15	p		G	C	B	C	B
B	A379	Emberiza hortulana			r	44	215	p		G	C	A	C	C
B	A511	Falco cherrug			r	1	1	p		G	C	B	C	C
B	A511	Falco cherrug			c		1	i		G	C	B	C	C
B	A095	Falco naumanni			c		1	i		G	A	A	B	A
B	A095	Falco naumanni			r		3	p		G	A	A	B	A
B	A103	Falco peregrinus			r	2	3	p		G	C	A	C	C
B	A103	Falco peregrinus			c		1	i		G	C	A	C	C
B	A103	Falco peregrinus			w		1	i		G	C	A	C	C
B	A099	Falco subbuteo			r	3	3	p		G	C	A	C	C
B	A096	Falco tinnunculus			p	10	35	p		G	C	A	C	C
B	A096	Falco tinnunculus			c				P	DD	C	B	C	C
B	A096	Falco tinnunculus			w		1	i		G	C	B	C	C
B	A097	Falco vespertinus			r		1	p		G	C	B	C	C
B	A097	Falco vespertinus			c		1	i		G	C	B	C	C
B	A125	Fulica atra			w		316	i		G	C	A	C	C
B	A153	Gallinago gallinago			c				P	DD	C	B	C	C
B	A153	Gallinago gallinago			w				P	DD	C	B	C	C
B	A154	Gallinago media			c	1	1	i		G	C	A	C	C
B	A123	Gallinula chloropus			c				P	DD	C	B	C	C
B	A123	Gallinula chloropus			w		23	i		G	C	B	C	C
B	A123	Gallinula chloropus			p	5	10	p		G	C	A	C	C
B	A002	Gavia arctica			w		2	i		G	C	B	C	C
B	A001	Gavia stellata			w	2	2	i		G	A	A	B	A
B	A078	Gyps fulvus			w		27	i		G	A	A	B	A
B	A078	Gyps fulvus			c	3	4	i		G	A	A	B	A
B	A078	Gyps fulvus			p	37	37	p		G	A	A	B	A
B	A075	Haliaeetus albicilla			w		1	i		G	C	B	C	C

B	A075	Haliaeetus albicilla		r	1	1	p		G	C	B	C	C
B	A075	Haliaeetus albicilla		c		1	i		G	C	B	C	C
B	A092	Hieraetus pennatus		r	1	1	p		G	C	A	C	C
B	A092	Hieraetus pennatus		c	1	1	i		G	C	A	C	C
B	A439	Hippolais olivetorum		r	9	43	p		G	C	A	C	A
B	A338	Lanius collurio		r	800	1500	p		G	C	A	C	B
B	A339	Lanius minor		r	17	17	p		G	C	A	C	C
B	A433	Lanius nubicus		r	5	5	p		G	C	A	C	A
B	A459	Larus cachinnans		p	4	7	p		G	B	A	C	A
B	A459	Larus cachinnans		w	4	191	i		G	B	A	C	A
B	A182	Larus canus		c		2	i		G	C	B	C	C
B	A177	Larus minutus		r		1	i		G	C	A	C	C
B	A177	Larus minutus		c	1	1	i		G	C	B	C	C
B	A179	Larus ridibundus		w	61	300	i		G	B	A	C	B
B	A246	Lullula arborea		p	140	210	p		G	C	A	C	C
B	A246	Lullula arborea		c	10	10	i		G	C	A	C	C
B	A152	Lymnocyrtus minimus		c				P	DD	C	B	C	C
B	A242	Melanocorypha calandra		p	2	6	p		G	C	B	C	C
B	A068	Mergus albellus		w	1	7	i		G	C	A	C	C
B	A230	Merops apiaster		r	170	170	p		G	C	A	C	C
B	A230	Merops apiaster		c				P	DD	C	B	C	C
B	A073	Milvus migrans		c	1	1	i		G	C	B	C	C
B	A073	Milvus migrans		r	1	1	p		G	C	B	C	C
B	A074	Milvus milvus		c	1	1	i		G	C	A	C	A
B	A077	Neophron percnopterus		r	4	6	p		G	B	A	C	A
B	A058	Netta rufina		w	1	51	i		G	A	A	C	A
B	A160	Numenius arquata		w				P	DD	C	B	C	C
B	A023	Nycticorax nycticorax		r		35	p		G	C	A	C	C
B	A023	Nycticorax nycticorax		c	1	1	i		G	C	A	C	C
B	A094	Pandion haliaetus		r		1	p		G	C	A	C	C
B	A094	Pandion haliaetus		c	1	1	i		G	C	B	C	C
B	A020	Pelecanus crispus		w		3	i		G	C	B	C	C
B	A020	Pelecanus crispus		c		2	i		G	C	B	C	C
B	A072	Pernis apivorus		r	2	3	p		G	C	A	C	B
B	A017	Phalacrocorax carbo		w	27	155	i		G	B	A	C	B
B	A017	Phalacrocorax carbo		c	9	35	i		G	B	A	C	B
B	A393	Phalacrocorax pygmeus		w		250	i		G	C	A	C	C
B	A393	Phalacrocorax pygmeus		c	2	2	i		G	C	A	C	C

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)

[illegible]

B	A359			770	770							X	
B	A244	Galerida cristata		150	150							X	
B	A251	Hirundo rustica		415	415							X	
B	A233	Jynx torquilla		32	32							X	
B	A383	Miliaria calandra		950	950							X	
B	A281	Monticola solitarius		6	6							X	
B	A278	Oenanthe hispanica		100	100							X	
B	A214	Otus scops		5	5							X	
B	A329	Parus caeruleus		85	85							X	
B	A443	Parus lugubris		50	50							X	
B	A235	Picus viridis		55	55							X	
B	A445	Sitta neumayer		20	20					X			
B	A210	Streptopelia turtur		75	75							X	
B	A311	Sylvia atricapilla		590	590							X	
B	A304	Sylvia cantillans		110	110							X	
B	A305	Sylvia melanocephala		20	20							X	
B	A283	Turdus merula		935	935							X	
B	A285	Turdus philomelos		20	20							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

[Back to top](#)

Habitat class	% Cover
N09	17.0
N19	3.0
N06	18.0
N16	36.0
N22	
N08	13.0
N23	1.0
N10	
N17	6.0
N15	1.0
N12	4.0
N21	1.0
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 *Dichanthium 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]
L	D01.02		o
H	G01.04		o
H	F03.02.02		o
L	A10.01		i
L	F04		o
L	B02.03		i
H	F02.03.01		o
M	H05		o
H	A03		o
L	B02.04		i
M	F01		o
M	K01.01		o
L	E03.03		o
M	D01.01		o
L	A08		i
L	A10		o
M	D01.01		i
L	F03.02.09		o
L	F03.02.09		i
H	B02.02		o
L	F03.02.01		o
L	C01.01		i
M	F03.02		i
L	A02		i
M	A01		i
L	B02.03		o
M	J01		o
M	H05		i
H	F02.01.02		o
L	H04		i
L	H04		o
H	F03.02.02		i
L	E03.03		i
M	K01.01		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
L	G01.03		i
L	D02.01		i
H	A04		i
L	A09		o
M	A05.02		i
L	A09		i
L	D01.02		i
M	G02.04		o
L	H		o
M	K04.01		i
H	A04		o
M	B01		i
H	E03.04		i
H	E01.03		i
L	B01.02		o
L	H		i
H	E01.03		o
L	B02.01		i
L	D01.04		i
L	G02.04		i
L	L		i
M	B02.01		o
M	B01		o
M	E01		i
H	A05.01		o
H	A05.02		o
H	A05.01		i
H	E03.04		o

L	A04.03		o
M	B		o
L	F03.02.03		i
L	A04.03		i
L	C01.01.01		i
L	D02.01		i
M	F01		i
L	C01.01.01		o
H	F02.03.01		i
M	B01.02		i
L	D01.02		i
L	L		i
L	F03.02.01		i
L	C01.01		o
M	B		i
L	E01		o
L	G01.03		i
H	G01.04		i
L	F04		i
L	B02.04		o
L	G05		i
H	E03.01		i
L	H		o
L	B03		i
M	D02.01		o
H	F02.01.02		i
M	A01		o
L	A02		o
M	G01.05		i
L	B03		o
L	F02.03		i
L	H		i
M	G01.05		o
L	A08		o
L	G05		o
H	B02.02		i
L	D01.04		i
H	A03		i
L	A10.01		o
M	F03.02		o
H	F03.01		i
H	E03.01		o
L	A10		i
H	G01.03		o
L	F03.02.03		o
M	J01		i
L	F02.03		o
H	F03.01		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

4.5 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 ? ? 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 Bulgariya. 2005. ?Nacionalna banka za ornitologichna informacia 1988-2005?, Balgarsko Druzhestvo za zastita na pticite; Bondev, I. 1991. Rastitelnostta na Bulgariya. S. Universitetsko izdatelstvo ?Sv. Kliment Ohridski?, 183 s.; Botev, B. and Tz. Peshev, (eds). 1985. Red Data Book of Republic Bulgaria. 2: Animals. Sofia: Bulgarian Academy of Science. (In Bulgarian.); Hristov, Hr. 1997. Sastoyanie, monitoring I podpomagane na leshoyadnite ptitsi v Iztochnite Rodopi. ? Dokladi po proekt Iztochni Rodopi, BSHPOB ? BDZP, T. 3, Sofiya.; Hristov, Hr., E. Stoynov, St. Stoev.

1996. Novo nahodishte na cheren leshoyad v Iztochnite Rodopi. ? Neofron. Inf. Byul. Na BDZP, 1, 19.; Iankov, P. N. 1991. Ptitsite na Iztochnite Rodopi. ? Srokovie na prebivavane I dinamika na ornitofaunata. - Ekologiya, 24, 26-43.; Iankov, P. 2002.(red.). Svetovno zastrasheni vidove ptitsi v Bulgariya. Natsionalni planove za deystvie za opazvaneto im. Chast 1. BDZP-MOSV, Prirodzashtitna poreditsa, Kn. 4, Sofiya: 204-219.; Iankov, P., L. Profirov. 1991. Savremenno sastoyanie na populatsiyata na beloglaviya leshoyad (*Gyps fulvus* Hablizl) v Bulgariya. ? Ekologiya, 24, 44-52.; Kostadinova, I. (sast.) 1997. Ornitologichno vazhni mesta v Bulgariya. BDZP, Prirodzashtitna poreditsa. Kniga 1, BDZP, Sofiya, 176 s.; Michev, T., Tz. Petrov. 2000. Ptitsite na Rodopite. ? Balgarski sayuz za zashtita na Rodopite, Sofiya, 122 s.; MOSV. 2005. Arhiv na zastitenite teritorii v Bulgaria. Baza dannii (nepubl.); Petkov, N. 1997b. Savremenno sastoyanie na belookata potapnitsa (*Aythya nyroca*) v Bulgariya. Diplomna rabota, Biologicheski Fakultet pri SU ?Sv. Kl. Ohridski?, Sofiya, 104 s.; Petrov, Tz. 1997a. Tsarskiyat orel (*Aquila heliaca*) v Iztochnite Rodopi. - Dokladi po proekt Iztochni Rodopi, BDZP-BSHPOB, T. 3, Sofiya.; Petrov, Tz. 1997b. Beliyat shtarkel (*Ciconia ciconia*) v Bulgariya. 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 Bulgariya. ? Izv. Muz. Yu. Bulgariya, T. 17, 25-32.; Simeonov, S. 1986. Materiali varhu razprostranienieto I gnezdovata biologiya na chervenogushoto koprivarche (*Sylvia cantillans* (Pallas) v Bulgariya. ? Ekologiya. 19, 57-61.; Simeonov, S., T. Michev. 1985. Savremenno razprostranenie I chislenost na buhala (*Bubo bubo*(L.) v Bulgariya. ? Ekologiya, 15, 60-65.; Vatev, I., P. Simeonov, T. Michev, B. Ivanov.1980. Belochelata svrachka (*Lanius nubicus* Lichtenstein) ? gnezdyasht vid v Bulgariya. ? Acta zoologica Bulgarica, 15, 115-118.; Barov, B., G. Gerassimov, Ch. Christov. 1996. Current status of the populations of globally threatened raptors in the Eastern Rhodope Mountains, Bulgaria. - Poster presentation, Second International Conference of the Raptor Research Foundation, Urbino, Italy, 8 p.; 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); Grimmet, R. F. A., R. T. A. Jones. 1989. Important Bird Areas in Europe. Cambridge, U.K.: ICBP (ICBP Technical Publication No9); Iankov, P., Kh. Khristov and S. Avramov. 1994. Changes in Status of the Black Vulture *Aegypius monachus* in Bulgaria for the period 1980-1990. In: Meyburg, B.-U. & R. D. Chancellor, eds. Raptor Conservation Today, WWGBP/ The Pica Press, 139-142.; Iankov, P., N. Petkov, A. Kovachev, D. Plachiisky. (in print). Pygmy Cormorant in Bulgaria 2001/2002. Final Report.; Iankov, P., Tz. Petrov, T. Michev, L. Profirov. 1994. Past and present Status of the Lesser Kestrel *Falco naumanni* in Bulgaria. ? In: Meyburg, B.-U. & R.D. Chancellor eds. 1994. Raptor Conservation Today, WWGBP/ The Pica Press, 133-137.; 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.; Marin, S., A. Rogev, I. Christov, M. Sarov. 1998. New observations and nesting of the Black Vulture (*Aegypius monachus* L., 1766) in Bulgaria. ? In: Tewes, E., J. Sanchez, B. Heredia & M. Bijleveld van Lexmond (Eds), The Black Vulture in South Eastern Europe, BVCF/FZS, Palma de Mallorca, 47-50.; Michev, T., Tz. Petrov, L. Profirov. 1989. Status, breeding, distribution, numbers and conservation of the White Stork in Bulgaria; 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; Petkov, N. 1998a. Current Status of the Ferruginous Duck (*Aythya nyroca*) in Bulgaria. ? Partimadar, 6-7, MME, Budapest, 44?49 Stoychev, S., E. Stoychev, B. Barov. 1997. Mapping of nesting ornithofauna. In: Conservation of the Biological Diversity of the Eastern Rhodopes. Sofia, Bulgarian-Swiss Biodiversity conservation Program.V. 3: 21-38 (In Bulgarian); Stoychev, S., H. Hristov. 2002. Review of the Birds in the Eastern Rhodopes. ? Project report, In: Assessment of existing information on biodiversity in the Eastern Rhodopes, Bulgarian Society for the Protection of Birds, United Nations Development Program, 35 p.; 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=BG0002013&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 [%]
BG01	5.0	BG00	86.0	BG06	9.0

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
BG06	SREDNA ARDA	+	3.0
BG06	YUMRUK SKALA	+	2.0

BG01	VALCHI DOL	+	5.0
------	------------	---	-----

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:

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:

☐	Yes
☐	No, but in preparation
☒	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).

--