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 **BG0000233**

SITENAME **Studena reka**

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1. SITE IDENTIFICATION

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1.1 Type	1.2 Site code
B	BG0000233

1.3 Site name

Studena reka

1.4 First Compilation date	1.5 Update date
2004-07	2018-12

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:	No data
National legal reference of SAC designation:	No data

Explanation(s):	Adopted by Council of Ministers Decision No. 122/02.03.2007 (promulgated SG 21/2007).

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2. SITE LOCATION

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2.1 Site-centre location [decimal degrees]:

Longitude	Latitude
25.53	43.575

2.2 Area [ha]:

5301.57

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
BG32	Северен централен / Severen tsentralen
BG32	Северен централен / Severen tsentralen

2.6 Biogeographical Region(s)

Continental (100.0 %)

3. ECOLOGICAL INFORMATION

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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
1340			69.83		M	A	B	B	B
1530			346.81		M	B	B	B	B
40A0			0.15		G	D			
40C0			0.23		G	B	B	B	B
6210			165.84		M	C	C	C	C
6240			121.94		G	B	C	B	B
6250			644.05		G	A	B	B	B

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	1138	Barbus meridionalis			p	67903	67903	i	C	G	B	A	C	A
A	1188	Bombina bombina			p	2	2	localities	V	P	C	A	B	A
F	1149	Cobitis taenia			p	487513	487513	i	C	G	C	A	C	A
I	4045	Coenagrion ornatum			p	1	1	localities	R	G	C	A	B	C
P	4091	Crambe tataria			p	7	7	i		G	A	B	B	A
R	5194	Elaphe sauromates			p			localities	P	DD	C	A	C	B
R	1220	Emys orbicularis			p	6	6	localities	R	M	C	A	C	A
M	1355	Lutra lutra			p	10	11	i		G	C	A	C	A
M	2633	Mustela eversmanii			p				R	DD	C	A	C	A
F	5339	Rhodeus amarus			p	733500	733500	i	C	G	C	A	C	B
F	5329	Romanogobio vladykovi			p	4368	4368	i	R	G	C	B	B	B
M	1335	Spermophilus citellus			p	5	5	colonies	R	M	C	B	C	A
R	1219	Testudo graeca			p	1	1	localities	V	P	C	A	C	A
R	1217	Testudo hermanni			p			localities	P	DD	C	A	C	A
A	1993	Triturus dobrogicus			p			localities	P	DD	C	A	B	A
I	1032	Unio crassus			p			i	R	M	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
P		Adonis volgensis						R			X			
P		Anemone sylvestris						P			X			
I		Arctosa leopardus						C			X			
I		Calosoma inquisitor						C			X			
I		Calosoma sycophanta						C			X			
I		Carabus scabrosus						C			X			
P		Centaurea thracica						P				X		
P		Ephedra distachya						R			X			
P		Hedysarum grandiflorum ssp. bulgaricum						V				X		
P		Limonium bulgaricum						R				X		
P		Nepeta parviflora						V			X			
I		Orictes nasicornis						C			X			
P		Paeonia tenuifolia						R			X			
I		Saturnia pyri						C			X			
P		Serratula bulgarica						R					X	
P		Stachys arenariaeformis						C				X		
P		Stipa lessingiana						R			X			
P		Taraxacum bessarabicum						R			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

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4.1 General site character

Habitat class	% Cover
N08	3.0
N16	7.0
N15	37.0
N23	3.0
N21	1.0
N09	42.0
N06	7.0
Total Habitat Cover	100

Other Site Characteristics

The site includes open and low hilly areas, pastures, cereal fields, which fall especially in Studena River valleys. This valley is surroinded by hills with steppe vegetationa and there are salt meadows along the river. One part of the valleys is transfomed as a big fishponds.

4.2 Quality and importance

Open and low hilly areas, pastures, cereal fields. Hadzidimitrovo fishponds are of special importance for migrating and breeding water-connected species of birds, being also a feeding place for birds, nesting along the Danube. Important for the existence for the invertebrate fauna. This is one of the most steppe regions in Bulgaria with represantative steppe species and communities. Single locality in Danube plain for Crambe tataria and Serratula bulgarica, which are with international conservation importance. The biggest halophylous habitats in North Bulgaria. Many rare, endemic plant and animal species. The steppe communities have a diverse floristic composition. The most valuable are steppe communities with many rare and endagered steppe plant species as Serratula bulgarica, Hedysarum grandiflorums subsp. bulgaricum, Astragalus pubiflorus, Paeonia tenuifolia.

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	A01		o
H	J02.01.01		i
L	B02.04		i
M	A07		i
M	B01		i
L	F02.03		i
H	A01		i
M	F03.01		i
L	B		i
M	F01		i
M	A04		i
M	J01		o
H	J02.05.02		i
M	F03.01		o
M	E01		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i|o|b]
L	D01.02		i
M	E01		i
M	A04.03		i
L	F02.03		i

L	D01.02		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 Zdravko Hubenov, Christo Deltshev - Institute of Zoology, 1 Tsar Osvoboditel Blvd., 1000 Sofia; Ivailo NIikolov, Nikolai Todorov - Bulgarian Ornithological Centre, 1 Tsar Osvoboditel Blvd., Sofia; Rossen Tzonev - Sofia University, rossentzonev@abv.bg.Data revised by a team of Bulgarian Academy of Sciences (http://www.bas.bg). 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=BG0000233&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 [%]
BG00	100.0				

5.2 Relation of the described site with other sites:

5.3 Site designation (optional)

The second (after Dobrudzha) big steppe region in Bulgaria. Locality of many rare, endangered and endemic plant species. Single localitiy within the interior of the country of habitat 6290. Serratula bulgarica is in IUCN, Crambe tataria is in the Directive 92/43, Studena River is the single locality of these species in Danube plain and one of the several in Bulgaria. Rich and still uninvestigated complitelly fauna.

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Regional Inspectorate of Environment and Water: Veliko Tarnovo, Ruse
Address:	
Email:	

6.2 Management Plan(s):

An actual management plan does exist:

- [ ] Yes
- [ ] No, but in preparation
- [X] No

6.3 Conservation measures (optional)

Sustainable development of fisheries, implemented by creation of ponds with small fish of no commercial value for attracting and feeding fish-eating birds in order to reduce the interaction between fisheries and piscivorous birds.

Leaving large areas of reedbeds within the area of the fishponds to ensure refuges for breeding/resting birds. Stop of the forestation with pine and locust tree plantations. Restoration of the normal water regime of Studena River an least in some parts of the course. Strict prtotection of steppe communities. Creating of strictly protected area in the locality of "Chaushchair", Karamanovo village for Limonium bulgariacum, and the locality of "Smardlikata" and "Delihassan", Hadzhidimitrovo village for Serratula bulgaruca, Hedysarum grandiflorum subsp. bulgaricum.

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).