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 **BG0000220**

SITENAME **Dolna Mesta**

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1. SITE IDENTIFICATION

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1.1 Type	1.2 Site code
B	BG0000220

1.3 Site name

Dolna Mesta

1.4 First Compilation date	1.5 Update date
2006-03	2020-12

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:	2007-12
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. 802/04.12.2007 (promulgated SG 107/2007).

2. SITE LOCATION

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2.1 Site-centre location [decimal degrees]:

Longitude	Latitude
23.9296	41.4821

2.2 Area [ha]:

9585.612

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)

Alpine (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
5210			966.33		M	A	B	B	B
6210			569.72		M	A	C	A	C
6220			1497.05		M	A	B	A	A
8210			45.51		M	A	C	A	A
8220			1.92		G	D			
8230			26.99		M	A	C	A	A
8310				2	G	C	C	C	C
9170			800.91		M	B	C	B	B
91AA			66.87		M	B	C	A	C
91E0			142.12		P	A	C	B	B
91M0			1290.42		M	B	C	B	B
9530			8.56		M	C	C	B	C

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.
I	1093	Austropotamobius torrentium			p			i	P	M	D	A	C	B
M	1308	Barbastella barbastellus			p	39	75	i	R	M	C	A	C	B
F	5088	Barbus cyclolepis			p				C	DD	B	A	C	A
A	1193	Bombina variegata			p	4	4	localities	V	P	C	A	C	A
M	1352	Canis lupus			p	2	3	i		G	C	A	C	A
I	1088	Cerambyx cerdo			p	19394	28616	i	R	M	C	C	C	C
F	1149	Cobitis taenia			p	24646	24646	i	R	G	C	B	C	A
R	1220	Emys orbicularis			p			localities	P	DD	C	A	C	B
I	6199	Euplagia quadripunctaria			p				V	DD	C	B	C	B
I	1083	Lucanus cervus			p	22931	45109	i	R	M	C	B	C	B
M	1355	Lutra lutra			p	7	8	i		G	C	A	C	A
I	1089	Morimus funereus			p	32164	37360	i	R	M	C	B	C	B
M	1323	Myotis bechsteinii			p	11	50	i	R	M	C	B	C	C
M	1321	Myotis emarginatus			p	51	100	i	R	G	C	A	C	C
M	1324	Myotis myotis			p	11	50	i	P	M	C	A	C	C
M	1306	Rhinolophus blasii			p	11	50	i	R	G	C	B	C	C
M	1305	Rhinolophus euryale			p	51	100	i	R	G	C	B	C	C
M	1304	Rhinolophus ferrumequinum			p	51	100	i	C	G	C	B	C	C
M	1303	Rhinolophus hipposideros			p	51	100	i	C	G	C	B	C	C
F	5339	Rhodeus amarus			p	101133	101133	i	C	G	C	B	C	A
I	1087	Rosalia alpina			p				R	DD	C	A	C	B
F	1146	Sabanejewia aurata			p	26527	26527	i	C	G	C	A	C	A
R	1219	Testudo graeca			p			localities	P	DD	C	A	C	A
R	1217	Testudo hermanni			p	3	3	localities	V	P	C	A	C	A
A	1171	Triturus karelinii			p			localities	P	DD	C	A	C	B
M	2635	Vormela peregusna			p				P	DD	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
F		Alburnoides bipunctatus						C					X	
P		Alkanna stribrnyi						R			X			
P		Armeria rumelica						C				X		
F		Barbatula bureschi						C				X		
F		Barbus cyclolepis						P					X	
A		Bufo viridis						C					X	
P		Campanula sparsa						C				X		
F		Chondrostoma nasus						P				X		
F		Chondrostoma vardarense						C				X		
R		Coluber caspius						C					X	
R		Coluber najadum						P					X	
R		Coronella austriaca						P					X	
P		Dianthus gracilis						C				X		
P		Dianthus moesiacus						C				X		
R		Elaphe longissima						P					X	
M		Eptesicus serotinus						C					X	
I		Erebia medusa						C						X
I		Glaucopsyche alexis						C						X
F		Gobio gobio						C						X
A		Hyla arborea						C					X	
P		Hypecoum ponticum						R			X			
P		Hypericum rumeliacum						C				X		
R		Lacerta viridis						C					X	
F		Leuciscus cephalus						C						X
P		Linum elegans						R			X			
R		Natrix tessellata						P					X	
M		Nyctalus noctula						C					X	
I		Nymphalis xanthomelas						C					X	
P		Onosma rhodopaea						V			X			
I		Parnassius mnemosyne						C					X	
F		Perca fluviatilis						R						X
F		Phoxinus phoxinus						R						X
M		Pipistrellus pipistrellus						C					X	
R		Podarcis erhardii						C					X	
R		Podarcis muralis						R					X	
R		Podarcis taurica						R					X	

I		Polyommatus aroaniensis						C						X
I		Pyrgus cinarae						C						X
P		Quercus coccifera						V			X			
A		Rana dalmatina						C					X	
F		Rutilus rutilus						R						X
P		Sedum tenuifolium						V						X
P		Silene frivaldskyana						C				X		
P		Trachelium rumelianum						R			X			
P		Verbascum roripifolium						R			X			
R		Vipera ammodytes						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

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4.1 General site character

Habitat class	% Cover
N06	14.0
N12	4.0
N20	7.0
N21	5.0
N16	22.0
N15	8.0
N08	15.0
N11	7.0
N17	5.0
N23	1.0
N09	5.0
N10	5.0
N22	2.0
Total Habitat Cover	100

Other Site Characteristics

The site is located in the South-Western parts of the Rhodopi Mountains. It consists of afforested and open areas (arable land and pastures). Main rivers with good water regime are the Mesta and the Dospat Rivers and the Surnena Trubutary. There are no big settlements within the site.

4.2 Quality and importance

The pSCI covers the low flows of the rivers Dolna Mesta, Bistritza and Matnitza. The rivers 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. Bistritza river has a very well presented priority natural Habitat 91E0. The

proposed site is the only place in the Dolna Mesta river valley with 92A0 and 6420 natural habitats. The ichtiofauna is presented with 11 species, 3 of which are included in Annex II of Directive 92/43/EEC (important food resource for the otter's stable population) and 7 species of herpethofauna, 3 of which are include in Annex II of the same Directive. This makes pSCI "Dolna Mesta-Dospat dere" valuable for protection of ihtiofauna and natural habitats. There are many endemic and rare species of fish within the site - Ch. nasus, B. cyclolepis. The Mesta River supports one of the densest populations of B. cyclolepis in the country. Some of the specimens caught show morphological characteristics of Barbus bureshi, but for the exact identification genetical and iso-electric studies are required.In table "Ecological Information - Other Important species", the species justified by 'A-National' are not necessarily included in the National Red Data Book, because its last edition is too old (1985), not up-dated and has no legislative value. The species indicated by 'A-National' are the protected flora and fauna species, included in the Bulgarian Biodiversity Act, and therefore this motivation is given highest priority. The Sabanejewia aurata found within the site has recently been identified as Sabanejewia balcanica, derived from Sabanejewia aurata balcanica subspecies.

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]
M	E02		i
M	G01.03		i
M	J02.05.02		i
M	J01		o
M	B02.02		i
L	A08		i
M	E03.03		i
L	D02.01		i
M	D01.02		i
H	J02		i
L	E01.03		i
M	A04		i
H	A04.03		i
H	F03.01		i
L	D02.01		o
M	B02.03		i
M	J01		i
H	C01.01		i
M	B03		i
H	K01.01		i
H	F03.02.03		i
H	E03.01		i
L	F04		i
M	D05		i
M	J02.03		i
H	E03		o
H	B01.02		i
L	A02		i
H	F06		i
L	F02.03		i
L	A07		i
H	J02.05		i
M	B02.04		i
H	B		i
H	B02.01		i
L	H07		i
M	F03.02.01		i
M	A04		o
H	B02.02		o

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i|o|b]
L	D02.01		o
M	A04		i
L	F02.03		i
M	A04		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 A. Tsekov, M. Angelov - Green Balkans; Asen Asenov - Sofia University, assenov@gea.uni-sofia.bg; O. Todorov - Agricultural University; Balkani Wildlife Society,office@balkani.org; Centre for Environmental Information and Education, ceie@ceie.org.Initially listed data sources and publications: "CORINE BIOTOPES database"Karapetkova, M., M. Zhivkov . 1995. Fish in Bulgaria. Sofia. "Gea Libris", 247 pp."Sakalyan, M. (eds.). 1993. National Strategy for Biodiversity Conservation. Main Reports. Volume 1. " Zhivkov, M., D. Dobrev. 2001. Fishes, Amphibians, Reptiles of the Rhodopes. Bulgarian Society for Protection of the Rhodopes. Sofia. 128 pp. In Bulgarian.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=BG0000220&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)

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Regional Inspectorate of Environment and Water: Blagoevgrad, Smolyan
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)

7. MAP OF THE SITES

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INSPIRE ID:

Map delivered as PDF in electronic format (optional)

- [ ] Yes
- [X] No

Reference(s) to the original map used for the digitalisation of the electronic boundaries (optional).