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 **BG0000195**

SITENAME **Reka Tundzha 2**

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1. SITE IDENTIFICATION

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1.1 Type	1.2 Site code
B	BG0000195

1.3 Site name

Reka Tundzha 2

1.4 First Compilation date	1.5 Update date
2004-10	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
26.5372	42.1473

2.2 Area [ha]:

5953.32

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
BG34	Югоизточен / Yugoiztochen
BG42	Южен централен / Yuzhen 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
1530			41.31		G	C	C	C	C
6210			93.32		G	C	C	C	C
91F0			1204.85		G	B	B	B	B
91M0			135.55		G	D			
92A0			285.5		G	B	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	1130	Aspius aspius			p	1021	1021	i	R	G	C	B	B	A
F	5088	Barbus cyclolepis			p				C	DD	C	B	B	B
A	1188	Bombina bombina			p			localities	P	DD	C	A	C	A
I	1088	Cerambyx cerdo			p	12967	19133	i	R	M	C	B	C	C
F	1149	Cobitis taenia			p	27728	27728	i	C	G	C	C	B	A
I	4045	Coenagrion ornatum			p	21	21	localities	R	G	C	A	C	A
R	5194	Elaphe sauromates			p			localities	P	DD	C	A	C	A
R	1220	Emys orbicularis			p	16	16	localities	C	G	C	A	C	A
I	1083	Lucanus cervus			p	21449	42195	i	V	M	C	C	C	C
M	1355	Lutra lutra			p	10	15	i	C	G	C	A	C	A
I	1060	Lycaena dispar			p	1910	3819	i	R	M	C	A	B	A
I	1089	Morimus funereus			p				P	DD	C	C	C	C
M	2617	Myomimus roachi			p				V	DD	C	B	C	C
M	1307	Myotis blythii			p	11	50	i	R	M	C	B	C	C
M	1316	Myotis capaccinii			p				P	DD	D			
M	1321	Myotis emarginatus			p				P	DD	D			
M	1324	Myotis myotis			p	11	50	i	R	M	C	B	C	C
I	1037	Ophiogomphus cecilia			p	5	5	localities	R	G	C	A	A	B
M	1303	Rhinolophus hipposideros			p				P	DD	D			
F	5339	Rhodeus amarus			p	26885	26885	i	C	G	C	A	B	B
M	1335	Spermophilus citellus			p	5	5	colonies	V	G	C	B	C	C
R	1219	Testudo graeca			p	1	1	localities	V	P	C	A	C	A
R	1217	Testudo hermanni			p	6	6	localities	R	M	C	A	C	A
A	1171	Triturus karelinii			p			localities	P	DD	C	A	C	B
I	1032	Unio crassus			p	9096	9096	i	R	M	C	A	C	A
		Vormela												

M	2635	peregusna			p	1	1	localities	P	P	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		Anguilla anguilla						P			X			
I		Apatura ilia						P						X
A		Bufo viridis						P					X	
F		Chondrostoma vardarense						C				X		
R		Coluber caspius						C					X	
M		Crocidura leucodon						C					X	
M		Crocidura suaveolens						C					X	
F		Cyprinus carpio						R			X			
M		Dryomys nitedula						C					X	
R		Elaphe longissima						C					X	
M		Erinaceus concolor						C						X
F		Esox lucius						C						X
M		Glis glis						P					X	
A		Hyla arborea						C					X	
R		Lacerta trilineata						C					X	
R		Lacerta viridis						C					X	
F		Leuciscus cephalus						C						X
R		Malpolon monspessulanus						C					X	
M		Meles meles						C					X	

M		Micromys minutus						P					X	
R		Natrix tessellata						C					X	
F		Neogobius fluviatilis						R						X
A		Pelobates syriacus						C					X	
R		Podarcis taurica											X	
A		Rana dalmatina						C					X	
F		Silurus glanis						R					X	
M		Suncus etruscus						P						X
F		Vimba melanops						C				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
N08	29.0
N16	42.0
N15	21.0
N23	2.0
N09	6.0
Total Habitat Cover	100

Other Site Characteristics

The bigger part of the river is diked and significantly deforestated. There are several flood plain forests - Ormana, Dolna and Gorna Topchiya, Ayvadjina saved, where a great part of the biodiversity is concentrated. There are also a few ponds, which also gather a significant part of the wintering fowl.

4.2 Quality and importance

An overal restoration of the site in order to let it operate as a bio-corridor is required. The numbers of Phalacrocorx pygmeus written indicate roosting sites in Dolna and Gorna Topchiya. During the day, these birds feed in Ovcharitsa reservoir.The current research has been implemented in the period 1999-2004.The species enlisted as 'Other species-D' are included in Annex III of the Bulgarian Biodiversity Act as protected species. This category is given highest priority from all other the could include the particular species.

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	D01.02		i
H	B02.02		i
H	A04		o
M	C01.01		o
H	F03.01		i
H	A09		o
H	J02.10		i
H	A04		i
H	A09		i
H	J01		o
H	L08		i
M	F03.02.03		o
M	F03.01		o
H	C01.01		i
H	B02.04		i
H	A03		i
M	D01.02		o
H	F03.02.03		i
H	A08		o
H	B01.02		i
H	A08		i
M	A03		o

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i|o|b]
H	L08		i
H	J02.04		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 I. Ivanov, D. Georgiev, M. Angelov, D. Bechev - Green Balkans Federation, Stara Zagora, greenbalsz@orbinet.bg; Dobromira Dimova, 17 Antim 1 Str, Sofia, dobi55@abv.bgInitially listed publications: "Angelov A., 1963. Fauna of Bulgaria - invertebrates. Narodna Prosveta, 406 pp."Angelova V., Ts. Peshev, 1962/63. Small mammals from the South-Eastern parts of Bulgaria. Ann. Of Sofia Univ. (in Bulgarian)"Arnold E., J. Burton, D. Ovenden, 1992. A field guide to the Reptiles and Amphibians of Britain and Europe. Collins Publ., London, 272 pp"Beshkov V., 1993. Bats. National strategy for biodiversity conservation, 631 - 644. (in Bulgarian)" Cramp, St. 1983. Handbook of the Birds of Europe the Middle East and North Africa. The Birds of the Western Palearctic. Volume 4. Oxford University Press, 48-62 pp."Cramp, St., K E L Simmons et al. 1977 Handbook of the Birds of Europe the Middle East and North Africa. The Birds of the Western Palearctic. Volume I : Ostrich to Ducks. Oxford University Press."Darakchiev,A. 1988. Status,numbers and dinamique of the ornitofauna in the Stranndja-Sakar regione, Final report ¹ 11659 F 2 , Plovdiv Uneversity, 41 pp." Delany S., C. Reyes, E. Hubert, S. Pihl, E. Rees, L. Haanstra, A. Strien, 1999. Results from the International Waterbird Census in the Westwrn Paleactic and Southwest Asia 1995 and 1996. Wetlands International Publication, ¹ 54, 178 pp."Dobrovolov, I., S. Dobrovolova, 1987. Electrophoretical characteristic of some representatives of Cobitis and Noemacheilus proteins in Bulgarian rivers. Ichtiological issues. P. 27. Issue 6. 913-918 pp. (in Russian)"Ivanova, P.P., I.S.Dobrovolov. 1999. Morphological and biochemical comparison of

Sabanejewia aurata balcanica (Karaman, 1922) and Sabanejewia romanica (Bacescu, 1943), (Pisces, Cobitidae). Proceading of Institute of Fisheries - Varna, V.25, 71-82 pp."Ivanova, P.P., I.S.Dobrovolov. 1999. Morphological and electrophoretical comparison of some representatives of genus Cobitus Linne (Pisces). Comptes rendus de l'Academie bulgare des Sciences, v.52, ¹ 11-12, 79-82 pp."Ivanova, P.P., I.S.Dobrovolov. 2002. Morphological and biochemical-genetic comparison of Cobitis albicoloris Chichkoff, 1932 populations (Pisces, Cobitidae) from Bulgaria. Acta zool. Bulg. 54 (3), 35-45 pp."Ivanova, P.P., I.S.Dobrovolov. 2003. Presence of Cobitis elongata (Pisces, Cobitidae) in Bulgarian freshwater. Journal of Ichthyology 43(1): 91-95 pp. (In Russian)."Karapetkova M., M. Zhivkov, 1995. Fish in Bulgaria. Sofia. "Gea Libris", 247 pp."Karapetkova, M., Zhivkov, M., Aleksandrova-Kolemanova K. 1993. Status and assessment of fish resources in Bulgaria. In: National Biodiversity Conservation Strategy. Volume I. Editor in charge: Marieta Sakalyan . 515-546 p."Kostadinova, I. (compiler), 1997. Important Bird Areas in Bulgaria. BSPB, Sofia."Kostadinova, I., S. Dereliev, 2001. Results from the midwinter census of waterfowl in Bulgaria for the period 1997-2001 year, Sofia. Macdonald D., P. Barret, 1993. Mammals of Britain & Europe. Collins field guide, Harper Collins Publ., London, 312 pp."Marin S., I Ivanov, D. Georgiev, Z. Boev, 2004. On the food of the Imperial Eagle (Aquila heliaca) in Sakar Mountain and Dervent Heights, Bulgaria. Raptors Worldwide, WWGBP/MME, Budapest, May - 2003, p. 589-592."Markov G., 1960. Contribution to research on hamsters (Cricetidae) in Bulgaria. Bull. Ins. Zool. Mus., 9: 239-304. (in Bulgarian)"Markov G., 1964. Insectivores and Rodents in Tracia. Fauna of Tracia, Voll. 1, BAS, 19-53. (in Bulgarian)"Markov G., 1974. Insectivores and Rodents of Middle and Eastern Stara Planina Mountains. Bull. Ins. Zool. Mus., 41: 11-22. (in Bulgarian)"Michev, T., L. Profirov. 2003. Mid-winter Numbers of Waterbirds in Bulgaria (1977-2001). Results form 25 years of mid-winter counts carried out at the most important Bulgarian wetlands. Sofia - Moscow." Mihov S., 2002. Field guide of amphibians in Bulgaria, Bourgas Wetlands, 45 pp."Nankinov, D., S. Simeonov, T. Michev, B. Ivanov. 1997. Fauna of Bulgaria. Vol. 26: Aves, Part ²². Sofia, Academic Publishing House "Prof. M. Drinov"."Ornithological database of Green Balkans Federation of Nature Conservation NGOs. "Patev, P. 1950. Birds in Bulgaria. BAS, Sofia, 364 pp. "Peshev Ts, T. Dinev, B. Angelova, 1960. Myomimus personatus Ogn - a new rodent species for the European fauna. Bull. Ins. Zool. Mus., 9: 305-314. (in Bulgarian)"Popov V., 1993. Small mammals. National strategy for biodiversity conservation, 615 - 630. (in Bulgarian)"Popov V., K. Njagolov, 1991. A new record of Suncus etruscus (Savi, 1822) (Mammalia, Soricidae) for Bulgaria. Acta Zool. Bulg., 41: 69-71."Roche J., 2000. Die Vogelstimmen Europas auf 4 CDs - Rufe und Gesange. "Kosmos"."Simeonov S., T. Michev. 1991. Birds of the Balkan Peninsula. Peter Beron, Sofia, 245 pp."Simeonov, S., T. Michev, 1991. The birds of the Balkan Peninsula. "Peter Beron", Sofia, 249 pp."Simeonov, S., T. Michev, D. Nankinov. 1990. Fauna in Bulgaria. Vol. 20 Aves. Part ². S., BAS, 350 pp."Spiridonov G., N. Spassov, 1989. Otter (Lutra lutra L., 1758) in Bulgaria, status and conservation. Hist. Natur. Bul., 1:57-64."Spiridonov G., N. Spassov, 1993. Large mammals. National strategy for biodiversity conservation, 645 - 663. (in Bulgarian)"Spiridonov G., NNPS, Ministry of Environment; Meshinev T., Velchev V., Apostolova I., Inst. Of Botany, BASci.; Iankov P., BSPB/BirdLife-Bulgaria; Inst. Of Zoology, BASci., 1996. CORINE Biotopes Database"Swensson L., 1992. Identification guide to European Passerines. Stockholm."Swensson L., P. Grant, 2000. Bird guide. Harper Collins Publishers, London, 392 pp. "Tsvetkov V., at al. 1969. Wild birds. Barn Owl. S., Zemizdat, p. 60-61. (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=BG0000195&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 [%]
BG01	2.0833217746943484	BG00	87.58860433682727	BG04	10.328073889056727

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
BG04	Balabana	+	1.8136655389272185
BG01	Gorna topchiya	+	2.0833217746943484

BG04	Dolna topchiya	+	8.514408350129509

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: Stara Zagora
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)

The site has no Management Plan.

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).