



# 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 BG0000211  
SITENAME Tvardishka planina

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## 1. SITE IDENTIFICATION

<b>1.1 Type</b> B	<b>1.2 Site code</b> BG0000211	<a href="#">Back to top</a>
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### 1.3 Site name

Tvardishka planina
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<b>1.4 First Compilation date</b> 2004-10	<b>1.5 Update date</b> 2021-11
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### 1.6 Respondent:

<b>Name/Organisation:</b>	Ministry of Environment and Water, "National Nature Protection Service" Directorate
<b>Address:</b>	Sofia Kn. Maria Luiza Blvd. 22 1000 Sofia
<b>Email:</b>	natura2000@moew.government.bg

### 1.7 Site indication and designation / classification dates

<b>Date site classified as SPA:</b>	0000-00
<b>National legal reference of SPA designation</b>	No data
<b>Date site proposed as SCI:</b>	2007-10
<b>Date site confirmed as SCI:</b>	2008-12
<b>Date site designated as SAC:</b>	2021-03
<b>National legal reference of SAC designation:</b>	Designation Order No. RD - 326/ 31.03.2021 (promulgated SG 52 /2021) issued by the Minister of Environment and Water.
<b>Explanation(s):</b>	Adopted by Council of Ministers Decision No. 661/16.10.2007 (promulgated SG 85/2007). Issued by the Minister of Environment and Water designation Order No. RD - 326/ 31.03.2021 (promulgated SG 52 /2021) with prohibitions and restrictions on activities contradicting the conservation objectives of the site.

## 2. SITE LOCATION

### 2.1 Site-centre location [decimal degrees]:

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**Longitude**

26.06

**Latitude**

42.8403

**2.2 Area [ha]:**

38649.5285

**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
BG34	Югоизточен / Yugoiztochen

**2.6 Biogeographical Region(s)**Continental (65.4  
%)Alpine (34.6  
%)

### 3. ECOLOGICAL INFORMATION

**3.1 Habitat types present on the site and assessment for them**[Back to top](#)

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
4060 <b>B</b>			36.04		M	C	C	B	B
6210 <b>B</b>			211.42		M	B	C	B	B
62A0 <b>B</b>			238.87		M	C	C	B	B
6430 <b>B</b>			44.02		M	C	C	B	B
8220 <b>B</b>			53.22		M	C	C	B	B
8230 <b>B</b>			42.21		M	B	C	B	B
8310 <b>B</b>				15	G	B	C	B	B
9110 <b>B</b>			30.91		M	A	C	B	B
9130 <b>B</b>			3733.82		M	A	C	B	A
9150 <b>B</b>			7220.46		M	A	B	B	A
9170 <b>B</b>			4389.02		M	B	C	B	B
9180 <b>B</b>			1111.25		M	B	B	B	B
91AA <b>B</b>			9.00534		G	C	C	C	C
91E0 <b>B</b>			2.01		G	D			
91G0 <b>B</b>			2092.0		M	C	B	C	C
91M0 <b>B</b>			1752.76		M	A	C	B	B
9530 <b>B</b>			30.68		M	B	C	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.
I	1093	<a href="#">Austropotamobius torrentium</a>			p	74409	74409	i	C	M	C	A	C	A
M	1308	<a href="#">Barbastella barbastellus</a>			p	176	302	i	R	M	C	C	C	C
F	5088	<a href="#">Barbus cyclolepis</a>			p				C	DD	C	B	C	B
F	1138	<a href="#">Barbus meridionalis</a>			p	290397	290397	i	C	G	C	A	C	A
A	1193	<a href="#">Bombina variegata</a>			p	1	1	localities	V	P	C	A	C	A
M	1352	<a href="#">Canis lupus</a>			p	5	6	i		G	C	A	C	A
I	1088	<a href="#">Cerambyx cerdo</a>			p				R	DD	C	B	C	B
I	4046	<a href="#">Cordulegaster heros</a>			p	9	9	localities	R	G	C	A	A	A
F	1163	<a href="#">Cottus gobio</a>			p	21175	21175	i	R	G	C	B	A	B
R	5194	<a href="#">Elaphe sauromates</a>			p			localities	P	DD	C	A	C	B
R	1220	<a href="#">Emys orbicularis</a>			p	1	1	localities	V	P	C	A	C	B
I	1065	<a href="#">Euphydryas aurinia</a>			p	31820	63354	i	R	M	C	A	A	A
I	6199	<a href="#">Euplagia quadripunctaria</a>			p	6881	12329	i	V	P	C	A	C	A
I	1083	<a href="#">Lucanus cervus</a>			p	91231	179469	i	R	M	C	B	C	B
M	1355	<a href="#">Lutra lutra</a>			p	4	5	i		G	C	A	C	B
M	1310	<a href="#">Minopterus schreibersii</a>			p				P	DD	D			
I	1089	<a href="#">Morimus funereus</a>			p	246824	286696	i	R	M	C	B	C	B
M	1323	<a href="#">Myotis bechsteinii</a>			p	211	422	i	R	M	C	C	C	C
M	1307	<a href="#">Myotis blythii</a>			p	11	50	i	R	G	C	B	C	C
M	1316	<a href="#">Myotis capaccinii</a>			p				P	DD	D			
M	1321	<a href="#">Myotis emarginatus</a>			p	11	50	i	P	M	C	B	C	C
M	1324	<a href="#">Myotis myotis</a>			p	11	50	i	R	G	C	B	C	C
I	4053	<a href="#">Paracaloptenus caloptenoides</a>			p	4	4	localities	R	M	C	B	B	B
I	4042	<a href="#">Polyommatus eroides</a>			p				P	DD	C	C	C	C
M	1305	<a href="#">Rhinolophus euryale</a>			p	11	50	i	P	G	C	B	C	C
M	1304	<a href="#">Rhinolophus ferrumequinum</a>			p	101	250	i	P	G	C	B	C	B
M	1303	<a href="#">Rhinolophus hipposideros</a>			p	101	250	i	C	G	C	B	C	B
F	5339	<a href="#">Rhodeus amarus</a>			p	3963933	3963933	i	C	G	C	A	C	B
F	6145	<a href="#">Romanogobio uranoscopus</a>			p	7079	7079	i	R	G	C	A	A	A
I	1087	<a href="#">Rosalia alpina</a>			p	129089	235093	i	R	M	C	B	C	B
F	1146	<a href="#">Sabanejewia aurata</a>			p	514586	514586	i	C	G	B	A	C	A
M	1335	<a href="#">Spermophilus citellus</a>			p				P	DD	D			
R	1219	<a href="#">Testudo graeca</a>			p			localities	P	DD	C	C	C	C



R	<a href="#">Elaphe longissima</a>							P						X	
P	<a href="#">Epipactis helleborine</a>							R						X	
M	<a href="#">Eptesicus serotinus</a>							C						X	
I	<a href="#">Erebia medusa</a>							C							X
M	<a href="#">Erinaceus concolor</a>							C							X
M	<a href="#">Felis silvestris</a>							P			X				
P	<a href="#">Festuca balcanica</a>							R				X			
I	<a href="#">Formica rufa</a>							R						X	
P	<a href="#">Fritillaria graeca</a>							R			X				
P	<a href="#">Fritillaria pontica</a>							V			X				
P	<a href="#">Galanthus nivalis</a>							R			X				
P	<a href="#">Gentianella bulgarica</a>							C				X			
M	<a href="#">Glis glis</a>							P						X	
P	<a href="#">Groenlandia densa</a>							R			X				
P	<a href="#">Hieracium tschamkoriense</a>							R				X			
A	<a href="#">Hyla arborea</a>							P						X	
M	<a href="#">Hypsugo savii</a>							C						X	
R	<a href="#">Lacerta viridis</a>							C						X	
P	<a href="#">Lilium jankae</a>							R				X			
I	<a href="#">Maculinea arion</a>							C						X	
M	<a href="#">Martes foina foina</a>							P						X	
M	<a href="#">Martes martes</a>							P			X				
I	<a href="#">Melitaea aurelia</a>							C							X
P	<a href="#">Micromeria frivaldszkyana</a>							R						X	
M	<a href="#">Muscardinus avellanarius</a>							P							X
M	<a href="#">Mustela nivalis</a>							P			X				
M	<a href="#">Nannospalax leucodon</a>							P						X	
R	<a href="#">Natrix tessellata</a>							C						X	
M	<a href="#">Neomys anomalus</a>							P						X	
M	<a href="#">Neomys fodiens</a>							P						X	
P	<a href="#">Neottia nidus-avis</a>							C						X	
M	<a href="#">Nyctalus noctula</a>							C						X	
P	<a href="#">Ophrys cornuta</a>							R						X	
P	<a href="#">Orchis coriophora</a>							R						X	
P	<a href="#">Orchis simia</a>							R						X	
I	<a href="#">Parnassius apollo</a>							C						X	
F	<a href="#">Phoxinus phoxinus</a>							C							X
M	<a href="#">Pipistrellus pipistrellus</a>							C						X	
P	<a href="#">Platantera bifolia</a>							C						X	
M	<a href="#">Plecotus auritus</a>							C						X	
R	<a href="#">Podarcis muralis</a>							C						X	
I	<a href="#">Poecilimon marmaraensis</a>							R			X				
I	<a href="#">Polyommatus aroaniensis</a>							C							X

P		<a href="#">Pulsatilla halleri</a>						R			X		
I		<a href="#">Pyrgus cinarae</a>						C					X
A		<a href="#">Rana dalmatina</a>						C				X	
F		<a href="#">Salmo trutta fario</a>						C					X
P		<a href="#">Satureja rumelica</a>						R			X		
M		<a href="#">Sciurus vulgaris</a>						C				X	
P		<a href="#">Sempervivum erythraeum</a>						R				X	
P		<a href="#">Taxus baccata</a>						R			X		
I		<a href="#">Thymelicus acteon</a>						C					X
P		<a href="#">Verbascum adrianopolitanum</a>						R			X		
R		<a href="#">Vipera ammodytes</a>						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
N19	1.0
N08	8.0
N20	1.0
N07	6.0
N06	4.0
N16	55.0
N23	2.0
N21	1.0
N10	12.0
N22	1.0
N17	8.0
N11	1.0
<b>Total Habitat Cover</b>	<b>100</b>

### Other Site Characteristics

The south part of the site and the slope are covered by broad-leaved oak and beech tree forests, while the north slopes are open hilly areas, covered by meadows and pastures.

### 4.2 Quality and importance

The site is important for carnivour and bat species. The zone is one of the few zones in Bulgaria where large percent /50%/ of the forest are occupied of habitats 9150- Medio-European limestone beech forests of the Cephalanthero-Fagion, 9130 Asperulo-Fagetum beech forests and 9110 Luzulo-Fagetum beech forest. The zone have considerable value through the big number of species (38) with conservation statut. The site protects important habitats for rare, critical endangered and endemic plants as Chamecytissus frivaldzkyanus, Fritillaria pontica, Saturea rumelica, Verbascum adrianopolitanum, Taxus baccata, Anemone sylvestris, Aquilegia nigricans, Coeloglossum viride, Crocus veluchensis, Fritillaria graeca, Hieracium tschamkoriense. In the territory of State forestry board Buinovci was established natural population of Abies alba in lowest above sea-level in the country.

### 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	B02.02		o
M	E01		o
L	C02		i
L	C02		o
M	D01.02		i
M	E03.01		i
L	F03.02.03		i
H	B02.02		i
L	E02		o
L	H		o
L	E03.03		i
L	F03.02.03		o
M	K01.01		i
M	A04		i
L	H05		i
M	E04.01		o
M	B01.02		o
L	E03		o
M	G02.04		i
M	A04		o
M	D02		o
M	B01.02		i
L	D02.01		i
M	E01.03		o

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside /outside [i o b]

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 Alexandar Tashev - Forestry University, Sofia; Konstantin Dichev, Dilian Georgiev, Dimitar Bechev - Green Balkans Federation of Nature Conservation NGOs. Initially listed publications: "Arnold E., J. Burton, D. Ovenden, 1992. A field guide to the Reptiles and Amphibians of Britain and Europe. Collins Publ., London, 272 pp" 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."Karapetkova M., M. Zhivkov, 1995. Fish in Bulgaria. Sofia. "Gea Libris", 247 pp. Macdonald D., P. Barret, 1993. Mammals of Britain & Europe. Collins field guide, Harper Collins Publ., London, 312 pp." 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. "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., 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.Data revised by the National Forestry Board and 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=BG0000211&siteType=HabitatDirective>

### 5. SITE PROTECTION STATUS (optional)

**5.1 Designation types at national and regional level:**

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
BG00	99.4915	BG06	0.0933	BG04	0.1314
BG01	0.2171	BG03	0.0667		

**5.2 Relation of the described site with other sites:**

designated at national or regional level:

Type code	Site name	Type	Cover [%]
BG04	haidushki chukar	+	0.10306170372094005
BG04	Sini bryag	+	0.02834000340281367
BG03	Nahodishte na tis	+	0.06561744701921515
BG01	Byala krava	+	0.21711764465544015
BG06	Aglikina polyana	+	0.09330089840589109
BG03	Vodopada na reka Miikovska	*	0.0011

**5.3 Site designation (optional)****6. SITE MANAGEMENT****6.1 Body(ies) responsible for the site management:**

Organisation:	Regional Inspectorate of Environment and Water: Veliko Tarnovo, Stara Zagora, Burgas, Shumen
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**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).