



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 BG0000266
SITENAME Peshtera Mandrata

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1. SITE IDENTIFICATION

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1.1 Type B	1.2 Site code BG0000266
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1.3 Site name

Peshtera Mandrata

1.4 First Compilation date	1.5 Update date
2004-05	2016-09

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). Amended by Council of Ministers Decision No. 598/22.07.2016 (promulgated SG 59/2016), including the area of SCI BG0000607 deleted with the same Decision.
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2. SITE LOCATION

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2.1 Site-centre location [decimal degrees]:

Longitude

24.525793

Latitude

43.062443

2.2 Area [ha]:

1.8159

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

BG31	Северозападен / Severozapaden
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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
8310 				2	G	A	C	B	A

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

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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.
M	1352	Canis lupus			p				P	DD	D			
M	1310	Miniopterus schreibersii			r	600	1500	i	C	G	C	B	C	B
M	1310	Miniopterus schreibersii			w	1	100	i	C	G	C	B	C	C
M	1323	Myotis bechsteinii			p				P	DD	D			
M	1307	Myotis blythii			p	1	100	i	R	G	C	B	C	C
M	1316	Myotis capaccinii			p	51	100	i	R	G	C	B	C	C
M	1321	Myotis emarginatus			p	11	50	i	R	G	C	B	C	C
M	1324	Myotis myotis			p	1	100	i	R	M	C	B	C	C
M	1306	Rhinolophus blasii			p	11	50	i	R	G	C	B	C	C
M	1305	Rhinolophus euryale			r	400	1000	i	C	G	C	B	C	B
M	1304	Rhinolophus ferrumequinum			p	100	800	i	C	G	C	B	C	B
M	1303	Rhinolophus hipposideros			p	1	50	i	R	G	C	B	C	C

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
I		Niphargus bureschi			0	0		P				X		
I		Typhloiulus bureschi			0	0		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
N16	75.0
N25	20.0
N22	5.0
Total Habitat Cover	100

Other Site Characteristics

BG0000266 comprises a complex of two caves in the land of Village Mikre, Ugarchin municipality, Lovech district. These are “Mandrata” cave (“Goljamata Mikrenska Peshtera” cave) and “Malkata Mikrenska Peshtera” cave (“Mikre” cave). The site covers forest areas which are state property. The entrances of the two caves are located on 120 m from one another. The total length of the mapped underground passages of the “Mandrata” cave is 1,9 km. This cave has been used for dairy and mushroom in the past and because of that now there are remains of the facilities that have been used. The entrance is obstructed from a crumbling building and around 300 m of input ground has been cemented. The natural flow of the underground river has been damaged by water intake. There is 2 meters tall barrage inside the cave. Because of the easy access in it regularly enter caving tourists, hunters, treasure-hunters, local residents and others. The cave is located in guarded hunting reserve, which somewhat limits the mass access of people. The total length of the mapped underground passages of the “Malkata Mikrenska Peshtera” cave is 1,3 km.

4.2 Quality and importance

The two caves in the site represent the habitat type 8310-“Caves not open to the public”. Furthermore “Mandrata” cave (“Goljamata Mikrenska Peshtera” cave) is one of the most significant caves for bat conservation in Bulgaria - bat refuge that all-year is inhabited by bat colonies. The cave is used by at least 5 cave-dwelling bat species whose total number in the summer runs to 1564 individuals and at least 274 individuals in the winter. The cave fauna is quite well explored – there are known several regional endemic 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]
L	G01.04.03		i

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

M	G05.04		i
H	F03.01		o
H	B		o
M	G01.04.02		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 two separate sites: BG0000266 "Peshtera Mandrata" made by PANDOURSKI I., V. POPOV, Institute of Zoology, Bulgarian Academy of Sciences, 1 Tsar Osvoboditel Blvd., 1000 Sofia, Bulgaria; BG0000607 "Peshtera Mikre" made by Teodora Ivanova, tea@lomea.org.; Data revised by a team of Bulgarian Academy of Sciences (<http://www.bas.bg>). Proposal for uniting the both sites made by Boyan Petrov (BRCC-NMNH-BAS) due to a technical error in the initial proposal and description. New data provided by project "Mapping and assessment of the conservation status of the natural habitats and species - Phase 1". Other listed documents: BENDA P., T. IVANOVA, I. HORÁČEK, V. HANÁK, J. CHERVENÝ, J. GAISLER, A. GUEORGUIEVA, B. PETROV, V. VOHRALÍK, 2003. Bats (Mammalia: Chiroptera) of the Eastern Mediterranean, Part 3: Review of bat distribution in Bulgaria. Acta Soc. Zool. Bohem., 67: 245-357. BERON P. 1958: Po oprustenjavaneto na prilepi v Bulgarija [About bat-banding in Bulgaria]. Priroda (Sofija) 7(5):70-76 (in Bulgarian). BERON P. 1962: Vertebrata. Pp.: 344-356. In: GUÉORGUIEV V. & BERON P.: Essai sur la faune cavernicole de Bulgarie. Ann. Spéléol. 17(2): 285-356. BERON P. 1963: La baguage des Chauves-souris en Bulgarie de 1940 à 1961. Acta Theriol. 7: 33-49. BERON P. 1964b: Golemite prilepni pesteri v Bulgarija [Les grandes grottes à chauves-souris en Bulgarie]. Bulgarski Pesteri (Grottes Bulgares) (Sofija) 1(1-2): 37-43 (in Bulgarian, French summ.). BERON P. 1972: Essai sur la fauna cavernicole de Bulgarie. III. Résultats des recherches biospéléologiques de 1966 à 1970. Int. J. Speleol. 4: 285-349. 341 BERON P. 1994: Résultats des recherches biospéléologiques en Bulgarie de 1971 à 1994 et liste des animaux cavernicoles bulgares. Série Tranteeva (Sofija) 1: 1-139. BERON P. 1999: Biodiversity of the high mountain terrestrial fauna in Bulgaria. Historia Natur. Bulg. 10: 13-33. BERON P. & GUÉORGUIEV V. 1967: Essai sur la fauna cavernicole de Bulgarie. II. Résultats des recherches biospéologiques de 1961 à 1965. Izv. Zool. Inst. Muz. (Sofija) 24: 151-212. BERON P., BESHKOV V., POPOV V., VASSILEV M., PANDURSKA R. & IVANOVA T. BESHKOV V. A. 1998: The Bats of Bulgaria. Pp.: 453-466. In: MEINE C. (ed.): Bulgaria's Biological Diversity: Conservation Status and Needs Assessment. Vol. I. and II. Washington: Biodiversity Support Program, 839 pp. BESKOV V. 1993: Prilepi [Bats]. Pp.: 631-644. In: SAKALJAN M. & MAJNI K. (eds.): Programa za Poddurzane na Biologichnoto Raznoobrazie. Nacionalna strategija za opazvane na biologichnoto raznoobrazie. Osnovni Dokladi. Tom 1 [Programme of Biodiversity Conservation. National Strategy of Protection of Biodiversity. Basic Studies. Volume 1]. Sofija & Washington: NBDOS & BSP, 664 pp (in Bulgarian). BESKOV V., DONCHEV S., KARAPETKOVA M., NIKOLOV N., MESINEV T. & POPOV V. BUIS Ja. & IVANOVA T. 2002: Sresta na izsledovatelnite na bozajnici v Iztochni Rodopi [Meeting for research of mammals in Eastern Rhodopes]. Historia Natur. Bulg. 15: 142 (in Bulgarian). BURES I. 1917: Po faunata na prilepите (Chiroptera) vu Bulgarija [Über die Chiropterenfauna Bulgariens]. Spis. Bulg. Akad. Nauk. 15: 137-174 (in Bulgarian, Germ. Summ.). BURES I. 1924: Pesterna fauna v' Bulgarija [Cave fauna of Bulgaria]. Trud. Bulg. Prirodoizpit. Druz. 11: 143-163 (in Bulgarian). BURES I. 1925: Prilepите v Bulgarija [Bats of Bulgaria]. Priroda (Sofija) 25(9): 130-132 (in Bulgarian). 342 BURES I. 1926: Izsledvanija vurhu pesternata fauna na Bulgarija. II [Untersuchungen über die Höhlenfauna Bulgariens. II]. Trud. Bulg. Prirodoizpit. Druz. 12: 17-56 (in Bulgarian, German title). GENOV T., STOYKOVA-HAJINIKOLOVA R. & MÉSZÁROS F. 1992: Molinostrongylus spp. (Nematoda: Molineidae) from bats in Bulgaria, with a review of European species. Parasitol. Hungar. 25: 53-68. [HORÁČEK I., CHERVENÝ J., TAUSL A. & VÍTEK D.] 1971: Prinós kum izsledvaneto na drebnite bozajnici ot Rodopite [Contribution to investigation of small mammals of Rhodopes Mts.]. Rodopski Pesternjak 7(54): 40-44 (in Bulgarian). HORÁČEK I., CHERVENÝ J., TAUSL A. & VÍTEK D. 1974: Notes on the mammal fauna of Bulgaria (Insectivora, Chiroptera, Rodentia). V?st. CHs. Spolech. Zool. 38: 19-31. HORÁČEK I., HANÁK V. & BENDA P. 1998: Bats of the Eastern Mediterranean: a biogeographic summary. Ztschr. Säugetierk. 63, Sonderh.: 26. IVANOVA T. 1995: Bat research and bat protection in Bulgaria. Myotis 32-33: 145-153. IVANOVA T. 1997: Bats (Chiroptera, Mammalia) - study and conservation in the Eastern Rhodopes. Pp.: 170-180. In: Biodiversity Conservation of the Eastern Rhodopes. Sofija: Bulgarian Society for the Protection of Birds / BirdLife Bulgaria. IVANOVA T. I. 2003: Prilepите

(Chiroptera, Mammalia) v iztočni Rodopi. Vidov sustav, biološki i ekološki karakteristiki, analiz na suobstestvoto, opazvane [Bats (Chiroptera, Mammalia) of the Eastern Rhodopes. Species composition, biological and ecological characters, community analysis, protection]. Unpubl.Dissertation. Sofija: Nacionalen Prirodonauchen Muzej, 216 pp (in Bulgarian).IVANOVA T. & GUEORGUIEVA A. in press: Bats (Chiroptera, Mammalia) of the Eastern Rhodopes (Bulgaria and Greece): I. Species diversity, zoogeography and faunal patterns. In: BERON P. & POPOV A. (eds.): The Biodiversity of the Eastern Rhodopes. Biodiversity of Bulgaria. Volume 2. Sofija: Nacionalen Prirodonauchen Muzej.IVANOVA T. & PETROV B. P. 2001: Nov etap ot prouchvanijata vurhu prilepите (Chiroptera) v Bulgarija [New stage in the bat studies in Bulgaria]. Historia Natur. Bulg. 13: 88 (in Bulgarian, English title).KOVACHEV V. T. 1894: Materijali za izuchvanie bulgarskata fauna [Materials on investigation of Bulgarian fauna].Period. Spis. Bulg. Kniz. Druz. Sredec 9(47): 742-749 (in Bulgarian).KOVACHEV V. T. 1906: Vurhu bozajnata fauna na Bulgarija [Notes on the mammal fauna of Bulgaria]. Pp.: 3-16. In:Godisnik' na Rusenskata durzavna muzka gimnazija "Knjaz' Boris' " za uchebnata 1905-1906 god [Yearbook of the Ruse State Men's Grammar School "Prince Boris" for the Teaching Year 1905-1906]. Ruse: Br. Zlatevi (in Bulgarian).KVARTIRNIKOV M. 1957: Prilepите v Bulgarija. Dva novi vida za nasata fauna [Bats of Bulgaria. Two new species for our fauna]. Priroda (Sofija) 6: 63-64 (in Bulgarian).PANDURSKA R. S. 1993: Distribution and species diversity of cave-dwelling bats in Bulgaria and some remarks on the microclimatic conditions of the hibernation. Lucr. Inst. Speleol. "Emil Racovita" 32: 155-163.PANDURSKA R. S. 1994: Razprostranenie i biologija (hranene, razmnozavane, zimuvane) na pesternite prilepi (Chiroptera) v Bulgarija [Distribution and biology (alimentation, reproduction, hibernation) of cave-dwelling bats (Chiroptera) in Bulgaria]. Unpubl. PhD Thesis. Sofija: Institut po zoologija, Bulgarska Akademija na naukite, 174 pp (in Bulgarian).PANDURSKA R. 1996: Altitudinal distribution of bats in Bulgaria. Myotis 34: 45-50.PANDURSKA R. 1998: Reproductive behaviour and conservation status of nursery colonies of Myotis myotis (Borkhausen, 1797) in Bulgaria. Myotis 36: 143-150.PANDURSKA R. S. 1999: Prilepите (razred Chiroptera) v Devetaskata pesterа, Severna Bulgarija PANDURSKA R. 2003: Conservation measures for protection of important numerous bat colonies in Bulgaria.Nyctalus (N. F.) 8(6): 630-632.PANDURSKA R. & IVANOVA T. 2003: Distribution and present status of Barbastella barbastellus (Schreber, 1774) in Bulgaria. Nyctalus (N. F.) 8(6): 626-629.PANDURSKA-WHITCHER R. & PANDOURSKI I. 2002: Bats in Bulgaria, with an emphasis on Geoffroy's bat (Myotis emarginatus). Bat Res. News 43(1): 1-4.POPOV V. & SEDEFCEV A. 2003: Bozajnicite v Bulgarija. Opređelitel [Mammals of Bulgaria. Identification Key].Sofija: Biblioteka Vitosa, 292 pp.RADEV N. 1928: Materiali za izuchvane na pesterite v Bulgarija - II [Materialien zur Erforschung der Höhlen Bulgariens - II]. Trud. Bulg. Prirodoizpit. Druz. 13: 115-130 (in Bulgarian, German summ.).SCHÖBER W. & GRIMMBERGER E. 1998: Die Fledermäuse Europas. Kennen. Bestimmen. Schützen. Aktualisiert und erweitert. Stuttgart: Franckh-Kosmos Verlags-GmbH & Co., 265 pp.On Bats (Chiroptera)]. Leningrad: Zoologicheskij Institut Akademii Nauk SSSR, 182 pp.2 [Sedentary and migratory species of bats (Chiroptera) in the European part of the USSR. Handbuch der Säugetiere Europas. Band 4: Fledertiere. Teil I: Chiroptera I. Rhinolophidae.

Link(s): <http://natura2000.moew.government.bg/Home/ProtectedSite?code=BG0000266&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:	Basin Directorate for Water Management in Danube Region – Pleven
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Address:	Chataldja 60 Str., 5800 Pleven
Email:	dunavbd@bDDR.org

Organisation:	Ministry of Environment and Water
Address:	22 Maria Luiza Blvd., Sofia 1000
Email:	natura2000@moew.government.bg

Organisation:	Regional Inspectorate of Environment and Water - Pleven
Address:	Al. Stamboliysky Str. 1A, 5800 Pleven
Email:	office@riew-pleven.org

Organisation:	Regional Forest Directorate Lovetch
Address:	Turgovska Str.56, 5500 Lovech
Email:	RugLovetch@iag.bg

6.2 Management Plan(s):

An actual management plan does exist:

☐	Yes
☐	No, but in preparation
☒	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 ☒ No

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