



# 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 BG0000605  
SITENAME Bozhkova dupka

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## 1. SITE IDENTIFICATION

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|                      |                                   |
|----------------------|-----------------------------------|
| <b>1.1 Type</b><br>B | <b>1.2 Site code</b><br>BG0000605 |
|----------------------|-----------------------------------|

### 1.3 Site name

|                |
|----------------|
| Bozhkova dupka |
|----------------|

|                                   |                        |
|-----------------------------------|------------------------|
| <b>1.4 First Compilation date</b> | <b>1.5 Update date</b> |
| 2006-10                           | 2015-07                |

### 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>                  | 2007-03 |

|                                                     |                                                                                                                     |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Date site confirmed as SCI:</b>                  | 2008-12                                                                                                             |
| <b>Date site designated as SAC:</b>                 | 2015-02                                                                                                             |
| <b>National legal reference of SAC designation:</b> | Designation Order No. RD – 101/09.02.2015 (promulgated SG 17/2015) issued by the Minister of Environment and Water. |

|                        |                                                                                                                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Explanation(s):</b> | Adopted by Council of Ministers Decision No. 122/02.03.2007 (promulgated SG 21/2007). Issued by the Minister of Environment and Water designation Order No. RD – 101/09.02.2015 (promulgated SG 17/2015) with prohibitions and restrictions on activities contradicting the conservation objectives of the site. |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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## 2. SITE LOCATION

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

**Longitude**

26.3484

**Latitude**

43.6556

### 2.2 Area [ha]:

1.5988

### 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

### 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  |    |    |            | 1             | 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

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

| 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 | <a href="#">Canis lupus</a>               |   |    | p                      |      |     |      | P    | DD      | D               |       |      |      |
| M       | 1310 | <a href="#">Miniopterus schreibersii</a>  |   |    | p                      | 11   | 50  | i    | P    | M       | C               | A     | C    | A    |
| M       | 1310 | <a href="#">Miniopterus schreibersii</a>  |   |    | c                      | 11   | 50  | i    | C    | M       | C               | A     | C    | A    |
| M       | 1323 | <a href="#">Myotis bechsteinii</a>        |   |    | c                      |      |     |      | R    | DD      | D               |       |      |      |
| M       | 1316 | <a href="#">Myotis capaccinii</a>         |   |    | p                      | 1    | 5   | i    | R    | G       | D               |       |      |      |
| M       | 1321 | <a href="#">Myotis emarginatus</a>        |   |    | c                      |      |     |      | P    | DD      | D               |       |      |      |
| M       | 1305 | <a href="#">Rhinolophus euryale</a>       |   |    | c                      | 100  | 251 | i    | R    | G       | C               | B     | C    | C    |
| M       | 1304 | <a href="#">Rhinolophus ferrumequinum</a> |   |    | p                      | 51   | 100 | i    | C    | G       | C               | B     | C    | C    |
| M       | 1303 | <a href="#">Rhinolophus hipposideros</a>  |   |    | r                      | 10   | 10  | i    |      | 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       |      | <a href="#">Porrhomma microps</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 |
|----------------------------|---------|
| N22                        | 100.0   |
| <b>Total Habitat Cover</b> | 100     |

#### Other Site Characteristics

The cave is 1200 meters east of the village of Krivnya in the middle of the rock massive between it and the town of Senovo. It is formed in Lower-Cretaceous limestone. Kulina dipka (Bojkova dupka, Kumnitsa) is the longest cave in the Ludogorie Mountains and fourth longest in the District of Ruse. Its total length is 326 m. It is branched, horizontal and dry, split in two parts. The floor of the first part is covered by fallen rocks. After 36 meters the gallery gets narrow and a pass leads to the second part of the cave. It consists of several halls, about 7-8 meters high and short branches. All branches end up with impassable narrow tunnels. The cave is scarce in secondary formations. Many parts are covered with a lot of bat guano (up to 120 cm in depth).

### 4.2 Quality and importance

One of the most significant caves for bat conservation in Bulgaria.

### 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                | G05.04                       |                             | i                      |
| M                | G01.04                       |                             | i                      |

| 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 Teodora Ivanova, tea@lomea.org. Initially 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. Spéleol. 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]. BulgarskiPesteri (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: 285-349.341BERON 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 faune 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 naBiologichnoto 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: NBDCS & 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).342BURES 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, Sonderhf.: 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 iztochni Rodopi. Vidov sustav, biologichni I ekologichni harakteristiki, 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 pester, 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. & SEDEFČEV 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, 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=BG0000605&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: Ruse |
| 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

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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).

|  |
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