



# 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 BG0000182

SITENAME Orsoya

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## 1. SITE IDENTIFICATION

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|                 |                      |
|-----------------|----------------------|
| <b>1.1 Type</b> | <b>1.2 Site code</b> |
| B               | BG0000182            |

### 1.3 Site name

|        |
|--------|
| Orsoya |
|--------|

|                                   |                        |
|-----------------------------------|------------------------|
| <b>1.4 First Compilation date</b> | <b>1.5 Update date</b> |
| 2005-12                           | 2018-12                |

### 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> | 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). Extended by Council of Ministers Decision No. 811/16.11.2010 (promulgated SG 96/2010).

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## 2. SITE LOCATION

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

**Longitude**

23.0506

**Latitude**

43.785

### 2.2 Area [ha]:

2949.4139

### 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 |
| BG31 | Северозападен / Severozapaden |

### 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 |
| 2340  |    |    | 616.16     |               | M            | A                | A                | B            | A      |
| 3130  |    |    | 4.92552    |               |              | C                | C                | C            | C      |
| 3150  |    |    | 130.36409  |               |              | C                | C                | C            | C      |
| 3260  |    |    | 34.27      |               | G            | C                | C                | C            | C      |
| 3270  |    |    | 4.32       |               | G            | C                | C                | C            | C      |
| 6430  |    |    | 250.02     |               | M            | A                | B                | B            | A      |
| 91E0  |    |    | 90.02      |               | M            | A                | C                | B            | A      |
| 91F0  |    |    | 58.88      |               | 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. |
| F       | 4125 | <a href="#">Alosa immaculata</a>         |   |    | r                      |         |         |            | R    | DD      | C               | B     | C    | B    |
| F       | 1130 | <a href="#">Aspius aspius</a>            |   |    | p                      | 5351710 | 5351710 | area       | P    | P       | C               | A     | C    | A    |
| A       | 1188 | <a href="#">Bombina bombina</a>          |   |    | p                      | 3       | 3       | localities | V    | P       | C               | A     | C    | B    |
| F       | 1149 | <a href="#">Cobitis taenia</a>           |   |    | p                      | 26891   | 26891   | i          | C    | G       | C               | A     | C    | A    |
| R       | 1220 | <a href="#">Emys orbicularis</a>         |   |    | p                      | 5       | 5       | localities | R    | M       | C               | A     | C    | B    |
| F       | 2484 | <a href="#">Eudontomyzon mariae</a>      |   |    | p                      | 5374900 | 5374900 | area       | V    | P       | C               | A     | B    | A    |
| F       | 2555 | <a href="#">Gymnocephalus baloni</a>     |   |    | p                      | 4435090 | 4435090 | area       | P    | P       | C               | A     | C    | A    |
| F       | 1157 | <a href="#">Gymnocephalus schraetzer</a> |   |    | p                      | 5083130 | 5083130 | area       | P    | P       | C               | A     | C    | A    |
| M       | 1355 | <a href="#">Lutra lutra</a>              |   |    | p                      | 7       | 8       | i          |      | G       | C               | A     | C    | A    |
| M       | 2609 | <a href="#">Mesocricetus newtoni</a>     |   |    | p                      |         |         |            | P    | DD      | D               |       |      |      |
| F       | 1145 | <a href="#">Misgurnus fossilis</a>       |   |    | p                      | 62828   | 62828   | i          | C    | G       | B               | A     | C    | A    |
| F       | 2522 | <a href="#">Pelecus cultratus</a>        |   |    | p                      | 5350000 | 5350000 | area       | P    | P       | C               | A     | B    | A    |
| F       | 5339 | <a href="#">Rhodeus amarus</a>           |   |    | p                      | 149702  | 149702  | i          | R    | G       | C               | A     | C    | A    |
| F       | 5329 | <a href="#">Romanogobio vladkovii</a>    |   |    | p                      | 5349300 | 5349300 | area       | C    | P       | C               | A     | B    | A    |
| F       | 1146 | <a href="#">Sabanejewia aurata</a>       |   |    | p                      | 5353650 | 5353650 | area       | P    | P       | C               | A     | C    | A    |
| M       | 1335 | <a href="#">Spermophilus citellus</a>    |   |    | p                      |         |         |            | P    | DD      | D               |       |      |      |
| I       | 4064 | <a href="#">Theodoxus transversalis</a>  |   |    | p                      | 930     | 930     | i          | V    | M       | C               | A     | C    | A    |
| A       | 1993 | <a href="#">Triturus dobrogicus</a>      |   |    | p                      | 1       | 1       | localities | V    | P       | C               | A     | C    | A    |
| I       | 1032 | <a href="#">Unio crassus</a>             |   |    | p                      | 13446   | 13446   | i          | R    | M       | C               | B     | C    | B    |
| F       | 1160 | <a href="#">Zingel streber</a>           |   |    | p                      | 5349650 | 5349650 | area       | P    | P       | C               | A     | C    | A    |
| F       | 1159 | <a href="#">Zingel zingel</a>            |   |    | p                      | 5349650 | 5349650 | area       | P    | P       | C               | A     | C    | A    |

**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)

**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)

[illegible]

|   |  |                                          |  |  |  |  |  |   |  |  |   |   |   |   |
|---|--|------------------------------------------|--|--|--|--|--|---|--|--|---|---|---|---|
| F |  | <a href="#">Proterorhinus marmoratus</a> |  |  |  |  |  | P |  |  |   |   |   | X |
| I |  | <a href="#">Radix auricularia</a>        |  |  |  |  |  |   |  |  | X |   |   |   |
| A |  | <a href="#">Rana dalmatina</a>           |  |  |  |  |  | R |  |  |   |   | X |   |
| F |  | <a href="#">Sabanejewia bulgarica</a>    |  |  |  |  |  | P |  |  |   | X |   |   |
| P |  | <a href="#">Salvinia natans</a>          |  |  |  |  |  | R |  |  |   |   | X |   |
| P |  | <a href="#">Senecio paludosus</a>        |  |  |  |  |  | R |  |  | X |   |   |   |
| F |  | <a href="#">Silurus glanis</a>           |  |  |  |  |  | P |  |  |   |   |   | X |
| I |  | <a href="#">Stagnicola palustris</a>     |  |  |  |  |  |   |  |  | X |   |   |   |
| P |  | <a href="#">Utricularia vulgaris</a>     |  |  |  |  |  | R |  |  | X |   |   |   |
| R |  | <a href="#">Vipera ammodytes</a>         |  |  |  |  |  | P |  |  |   |   | X |   |
| I |  | <a href="#">Viviparus viviparus</a>      |  |  |  |  |  |   |  |  | 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    |
|----------------------------|------------|
| N09                        | 18.0       |
| N20                        | 11.0       |
| N07                        | 38.0       |
| N06                        | 18.0       |
| N08                        | 1.0        |
| N10                        | 13.0       |
| N16                        | 1.0        |
| <b>Total Habitat Cover</b> | <b>100</b> |

### Other Site Characteristics

The site comprises the former Orsoya marsh, located at the bank of the Danube. It also includes a group of islands and a part of the bank, covered by forest vegetation. There are systems of dikes, canals, pumps and other draining facilities. The main habitats in the former marsh are the areas, covered by marsh vegetation, where reed and rush communities dominate. There are also open water surfaces as well as humid meadows. The cultivation of the arable land depends on the success of the draining activities.

### 4.2 Quality and importance

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

The site is a former floodplain, which was drained. The arable lands were used, but now are abandoned. There is a natural restoration of the former marshes. There are sand dunes in the plain, which cover very big area. They are the most representative in Bulgaria. The former breeding-ponds of Orsoya are abandoned and now they are with natural regime of flooding and are covered by different aquatic plant communities. The near Kovachev (Dobrina) Island is covered by natural alluvial forest (*Salix*, *Populus*, *Ulmus*, *Quercus robur*, *Fraxinus oxycarpa*).

#### 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                | J02.01.02                    |                             | i                      |
| M                | A01                          |                             | o                      |
| L                | B02.02                       |                             | i                      |
| L                | K02.02                       |                             | i                      |
| M                | I01                          |                             | b                      |
| M                | C01.01                       |                             | i                      |
| M                | B01.02                       |                             | i                      |
| M                | F03.02.03                    |                             | i                      |
| M                | F03.01                       |                             | b                      |
| M                | E03.01                       |                             | i                      |
| L                | A04                          |                             | b                      |
| M                | K02.03                       |                             | i                      |
| M                | B                            |                             | o                      |
| L                | A01                          |                             | i                      |
| L                | F02.01.02                    |                             | i                      |
| H                | J02.01.01                    |                             | i                      |
| M                | D01.02                       |                             | i                      |

| Positive Impacts |                               |                             |                        |
|------------------|-------------------------------|-----------------------------|------------------------|
| Rank             | Activities, management [code] | Pollution (optional) [code] | inside/outside [i o b] |
| M                | F03.01                        |                             | o                      |
| L                | F02.01.02                     |                             | i                      |
| M                | A01                           |                             | o                      |
| M                | B01.02                        |                             | 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 the site made by T. Trichkova, T. Stefanov, M. Vasilev, M. Zhivkov - Institute of Zoology, 1 Tsar Osvoboditel Blvd., 1000 Sofia; Mladen Angelov - Green Balkans Federation; Dr. R. Tzonev - Sofia University; Dr. Georgi Hinkov - Forest Research Institute, BAS. 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." Benda, P., T. Ivanova, I. Horacek, V. Hanak, J. Gaisler, J. Cervený, J. Gaisler, A. Georgieva, 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." 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. 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." Delany, S., C. Reyes, E. Hubert, S. Pihl, E. Rees, L. Haanstra, A. Strien. 1999. Results from the International Waterbird Census in the Western Palearctic and Southwest Asia 1995 and 1996. Wetlands International Publication, 54, 178 pp." Georgiev, D. 2003. A report of *Mesocricetus newtoni* (Mammalia: Cricetidae) from South-Eastern Bulgaria. Trav. Sci. Univ. Plovdiv, Animalia, 39 (6), 107-110." Ivanova, T. 2005. Important Bat Underground Habitats (IBUH) in Bulgaria. Acta zool. Bulg." Horacek, I., J. Cervený, A. Tausl, D. Vitek. 1974. Notes on the Mammal fauna of Bulgaria (Insectivora, Chiroptera, Rodentia). Vestnik Cesk. Spol. Zool., XXXVIII, 1, 19-31." Karapetkova, M., M. Zhivkov. 1995. Fish in Bulgaria. Sofia. "Gea Libris", 247 pp." Kavrakova, V., D. Dimova, M. Dimitrov, R. Tsonev, T. Belev (ed.). 2005. Guide for identification of habitats of European significance in Bulgaria. WWF DCP, Green Balkans Federation. Sofia. 128 pp." 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."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, 160." Mihov, S. 2002. Field guide of amphibians in Bulgaria, Bourgas Wetlands, 45 pp."Milchev, B., Z. Boev, V. Georgiev. 2004. Die Nahrung der Schleiereule (Tyto alba) in Sudost-Bulgarien. Egretta, 47, 66-77."Nankinov, D., S. Simeonov, T. Michev, B. Ivanov. 1997. Fauna of Bulgaria. Vol. 26: Aves, Part ??, Sofia, Academic Publishing House "Prof. M. Drinov", 427 pp." Nankinov, D. et al. 2004.Breeding totals of the ornithofauna in Bulgari?. Green Balkans, Plovdiv, 32 pp."Ornithological database of Green Balkans Federation of Nature Conservation NGOs. "Patev, P. 1950. Birds in Bulgaria. BAS, Sofia, 364 pp. "Peshev, T., D. Peshev, V. Popov. 2004. Fauna of Bulgaria. Vol. 27: Mammalia.Sofia. Academic Publishing House "Prof. M. Drinov", 632 pp."Popov, V. 2003. Mammals in Bulgaria. Vitosha Nature Park Directorate, Sofia, "Geosoft", 291 pp."Roché, J. 2000. Die Vogelstimmen Europas auf 4 CDs - Rufe und Gesänge. "Kosmos". Shurulinkov, P., R. Tsonev, B. Nikolov, G. Stoyanov, L. Assenov. 2005. Birds of Middle Danube Plain. Sofia. 120 pp. In Bulgarian."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 . S., BAS, 350 pp."Simeonov, S., T. Michev. 1991. Birds of the Balkan Peninsula. Peter Beron, Sofia, 245 pp. "Swensson, L. 1992. Identification guide to European Passerines. Stockholm."Swensson L., P. Grant. 2000. Bird guide. Harper Collins Publishers, London, 392 pp. "CORINE BIOTOPES database"Sakalyan, M. (eds.). 1993. National Strategy for Biodiversity Conservation. Main Reports. Volume 1Data revised by a team of Bulgarian Academy of Sciences (http://www.bas.bg).Data revised by a team of the Institute for Biodiversity and Ecosystem Research, BAS.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=BG0000182&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 [ % ] |
|------|-------------|------|-------------|------|-------------|
| BG06 | 5.33        | BG00 | 94.67       |      |             |

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

designated at national or regional level:

| Type code | Site name         | Type | Cover [ % ] |
|-----------|-------------------|------|-------------|
| BG06      | Ribarnitzi Orsoya | +    | 5.33        |

### 5.3 Site designation (optional)

This is the most important site in Bulgaria for the habitat 2340 - inland dunes. There is a big diversity of habitats, plants and animals (especially birds), which are with nature-conservation importance. The site is Important Bird Area.

## 6. SITE MANAGEMENT

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### 6.1 Body(ies) responsible for the site management:

|               |                                                         |
|---------------|---------------------------------------------------------|
| Organisation: | Regional Inspectorate of Environment and Water: Montana |
| Address:      |                                                         |
| Email:        |                                                         |

### 6.2 Management Plan(s):

An actual management plan does exist:

|                          |     |
|--------------------------|-----|
| <input type="checkbox"/> | Yes |
|--------------------------|-----|

☐

☐ No, but in preparation

☒

No

### 6.3 Conservation measures (optional)

Restoration of the natural alluvial forests. Stopping of the illegal excavations on the dunes. Restoration of part from the former marshes on the place of the breeding-ponds.

## 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).