



# 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 BG0000507

SITENAME Deleyna

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## 1. SITE IDENTIFICATION

|                      |                                   |                             |
|----------------------|-----------------------------------|-----------------------------|
| <b>1.1 Type</b><br>B | <b>1.2 Site code</b><br>BG0000507 | <a href="#">Back to top</a> |
|----------------------|-----------------------------------|-----------------------------|

### 1.3 Site name

|         |
|---------|
| Deleyna |
|---------|

|  |                                   |
|--|-----------------------------------|
| <b>1.4 First Compilation date</b><br>2005-07 | <b>1.5 Update date</b><br>2021-11 |
|--|-----------------------------------|

### 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>                 | 2020-12  |
| <b>National legal reference of SAC designation:</b> | Designation Order No. RD - 1043/17.12.2020 (promulgated SG 19 /2021) 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 - 1043/17.12.2020 (promulgated SG 19 /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**

22.6975

**Latitude**

44.0619

**2.2 Area [ha]:**

2257.54

**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

**2.6 Biogeographical Region(s)**Continental (100.0  
%)

### 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 |
| 6250 <b>B</b>         |    |    | 29.21      |               | M            | A                | C                | A            | B      |
| 6430 <b>B</b>         |    |    | 40.31      |               | M            | A                | C                | A            | B      |
| 6510 <b>B</b>         |    |    | 8.12       |               | G            | A                | C                | A            | B      |
| 91E0 <b>B</b>         |    |    | 0.3        |               | G            | B                | C                | B            | B      |
| 91G0 <b>B</b>         |    |    | 412.03     |               | M            | B                | C                | B            | C      |
| 91I0 <b>B</b>         |    |    | 8.34       |               | M            | B                | C                | B            | B      |
| 91M0 <b>B</b>         |    |    | 472.11     |               | M            | B                | C                | C            | B      |
| 91Z0 <b>B</b>         |    |    | 355.18     |               | 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. |
| A       | 1188 | <a href="#">Bombina bombina</a>   |                        |    | p |        |        | localities | P    | DD              | C       | C     | C    | C    |
| A       | 1193 | <a href="#">Bombina variegata</a> |                        |    | p | 1      | 1      | localities | V    | P               | C       | C     | C    | C    |
| I       | 1088 | <a href="#">Cerambyx cerdo</a>    |                        |    | p | 134010 | 197731 | i          | R    | M               | C       | B     | C    | B    |

|   |      |   |  |  |   |        |        |            |   |    |   |   |   |   |
|---|------|---|--|--|---|--------|--------|------------|---|----|---|---|---|---|
| R | 5194 | <a href="#">Elaphe sauromates</a>         |  |  | p |        |        | localities | P | DD | C | C | C | C |
| R | 1220 | <a href="#">Emys orbicularis</a>          |  |  | p | 1      | 1      | localities | V | P  | C | C | C | C |
| I | 1083 | <a href="#">Lucanus cervus</a>            |  |  | p | 47888  | 94206  | i          | R | M  | C | B | C | B |
| M | 2609 | <a href="#">Mesocricetus newtoni</a>      |  |  | p |        |        |            | P | DD | D |   |   |   |
| M | 1310 | <a href="#">Miniopterus schreibersii</a>  |  |  | p |        |        |            | P | DD | D |   |   |   |
| I | 1089 | <a href="#">Morimus funereus</a>          |  |  | p | 113461 | 131789 | i          | R | M  | C | B | C | B |
| M | 1316 | <a href="#">Myotis capaccinii</a>         |  |  | p |        |        |            | P | DD | D |   |   |   |
| M | 1305 | <a href="#">Rhinolophus euryale</a>       |  |  | p |        |        |            | P | DD | D |   |   |   |
| M | 1304 | <a href="#">Rhinolophus ferrumequinum</a> |  |  | p | 6      | 10     | i          | V | G  | D |   |   |   |
| I | 1087 | <a href="#">Rosalia alpina</a>            |  |  | p |        |        |            | R | DD | C | B | C | B |
| R | 1219 | <a href="#">Testudo graeca</a>            |  |  | p |        |        | localities | P | DD | C | A | C | A |
| R | 1217 | <a href="#">Testudo hermanni</a>          |  |  | p |        |        | localities | P | DD | C | A | C | A |
| A | 1993 | <a href="#">Triturus dobrogicus</a>       |  |  | p |        |        | localities | P | DD | C | C | C | C |
| I | 1032 | <a href="#">Unio crassus</a>              |  |  | p |        |        | i          | R | M  | C | B | C | B |
| M | 2635 | <a href="#">Vormela peregrina</a>         |  |  | 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 |
| P       |      | <a href="#">Acanthus balcanicus</a>                   |   |    |                        |     |      | R       |               |   |                  | X |   |   |
| P       |      | <a href="#">Aremonia agrimonoides</a>                 |   |    |                        |     |      | C       |               |   |                  |   |   | X |
| P       |      | <a href="#">Asparagus tenuifolius</a>                 |   |    |                        |     |      | V       |               |   |                  |   |   | X |
| A       |      | <a href="#">Bufo viridis</a>                          |   |    |                        |     |      | P       |               |   |                  |   | X |   |
| P       |      | <a href="#">Bupleurum praealtum</a>                   |   |    |                        |     |      | P       |               |   |                  |   |   | X |
| P       |      | <a href="#">Campanula rapunculus</a>                  |   |    |                        |     |      | P       |               |   |                  |   |   | X |
| P       |      | <a href="#">Chamaecytisus supinus ssp. velenovsky</a> |   |    |                        |     |      | R       |               |   |                  |   |   | X |
| P       |      | <a href="#">Clinopodium vulgare</a>                   |   |    |                        |     |      | P       |               |   |                  |   |   | X |
| R       |      | <a href="#">Coluber caspius</a>                       |   |    |                        |     |      | P       |               |   |                  |   | X |   |
| R       |      | <a href="#">Elaphe longissima</a>                     |   |    |                        |     |      | P       |               |   |                  |   | X |   |
| P       |      | <a href="#">Galium pseudoaristatum</a>                |   |    |                        |     |      | C       |               |   |                  |   |   | X |
| P       |      | <a href="#">Helleborus odorus</a>                     |   |    |                        |     |      | C       |               |   |                  |   |   | X |
| A       |      | <a href="#">Hyla arborea</a>                          |   |    |                        |     |      | P       |               |   |                  |   | X |   |



Rosa canina partly single and Amorpha fruticosa. The main grass composition is presented by Asparagus tenuifolius, Paeonia peregrina at places taking up to 30% of the grass coverage, Bupleurum praelatum, Polygonatum odoratum, Campanula trachelium, Ruscus aculeatus, Ruscus hypoglossum, Lathyrus sp., Geum urbanum, Viola odorata, Helleborus odoratus, Alliaria petiolata, Hederix xelix, Euphorbia amygdaloides, Tilia tomentosa, Q. dalechampii, Glechoma hederacea, Fragaria sp., Ajga genevensis, Prunella vulgaris, Rumex sp, Galium pseudoaristatum, Pulmonaria officinalis, Lithospermum officinale, Lechenfeldia flexiosa, Lysimachia nummularia, Clinopodium vulgare, Galium sp. etc. Habitat 91M0xGO - Coordinates E 22.42.49.906-22.39.13.359, N-44.04.27.503-44.03.66.936 Typical for the water catchment of Deleinska River Habitat but in most cases in combination with elements of 91M0. Slightly expressed mesophile character except in the low parts of the relief but in the high part clearly expressed xerothermic character of the forests and the grass coverage. Main tree composition Q. frainetto - 60% /30-60 years/, Q. robur - 5 % /40-70 years/, Q. ceris -20% /40-60 years/, Carpinus betulus - 5% /5-10%/, Carpinus orientalis - 10% /10-30 years/ , Tilia tomentosa - single trees, Acer tataricum, Acer campestre 10%, Sorbus torminalis, spots at the free areas - Robinia pseudoacacia . Unclearly expressed shrubs horizon consisting of the following species Rosa sp., Fraxinus ornus, Eunymus europaeus, Sorbus aucuparia. The grass composition is Galium pseudoaristatum, Ruscus aculeatus, Ruscus hypoglossum, Dianthus sp., Hypericum perforatum, Campanula rapunculoides, Chamaecytisus supinus, Helleborus odoratus, Bupleurum praealtum, Clinopodium vulgare, Luzula sp., Fragaria sp, Aremonia agrimonoides, Asparagus tenuifolius, Meica sp., massive and at big and dense spots - Paeonia peregrina, Sedum maximum, Acanthus balcanicus - single, Polygonatum latifolium. Habitat 6510 - Coordinates E 44.04.27.503, N 44.04.27.503 Habitat with restricted distribution along the valley of the river as well as along some side tributaries - mainly on the right side. In most cases the grazing meadows are becoming wild, shrubs and tree vegetation from the neighbouring forests - Qercus, Prunus spinosa, Robinia pseudoacacia start to settle there. In the past this habitat was widely distributed along the wet lowlands of the topographic cover but due to the sharp decreasing of the population the habitats 6510 are in worse condition. Main species that are found are Alopecurus pratensis, Deschampsia caespitosa, Festuca sp., Poa sp. Habitat 91 MOx9110, Coordinates E 22.37.48.702, N 44.04.15.005 Typical habitat for the water catchment area of Deleinska River, immediately (500 m) next to the Serbian border, responding to the high altitude and the continental climate. The tree composition includes Q. frainetto - 70% /30-60 years. Shrubs composition - Sorbus aucuparia, Rubus sp., Fraxinus ornus, Acer tataricum, Prunus spinosa, Pyrus pyraeaster. Grass composition - Helleborus odoratus, Galium pseudoaristatum, Equisetum sp., Asparagus tenuifolius /very often in big groups/, Euphorbia amygdaloides, Paeonia peregrina /often in spots/, Euphorbia cyparissias, Digitalis lanata, Eryngium campestre, Inula sp., Convolvulus arvensis, Brachypodium sylvaticum, Viola odorata, Tanacetum corymbosum, Pseudolysimachion orchideum, Acinos arvensis. Habitat 91ZO, Coordinates E 22.42.57, N 44.05.46.266 Typical Moesian cenoses of Tilia tomentosa /70 - 75 % /, /30-50 years/ - good renewal including coppies and most probably of Tilia tomentosa h Tilia rubra iuzhno from Gymzovo village out of the water catchment of Deleinska River - Bregovska lowland, aged 20 -60 years. It was affected by anthropogenic influence in the past but it has good renewal abilities. In the tree composition are found also Q. dalechampii 5 - 10% /30-60 years/ - good renewal, Q. ceris 20 % /30-60 years/, Acer campestre /single/, Acer platanoides, Cerasus sp., Acer tataricum, Sorbus torminalis. Shrubs composition of Crataegus monogyna, Fraxinus ornus, Cornus sanguinea, Rosa canina partly single and Amorpha fruticosa. The main grass species composition is presented by Asparagus tenuifolius, Bupleurum praelatum, Polygonatum odoratum, Campanula trachelium, Glechoma hederacea, Mercurialis ovata, Ruscus hypoglossum, Lathyrus sp., Geum urbanum, Viola odorata, Helleborus odoratus, Asarum europaeum, Hederix xelix, Euphorbia amygdaloides, Tilia tomentosa, Q. dalechampii, Glechoma hederacea, Fragaria sp., Arum maculatum, Prunella vulgaris, Rumex sp, Galium pseudoaristatum, Pulmonaria officinalis, Lithospermum officinale, Lechenfeldia flexiosa, Lysimachia nummularia, Clinopodium vulgare, Galium sp. etc. Habitat 6250 - Distributed in fragments in the northern part of the site. Main grass composition - Xeranthemum anum /30%/, Centaurea arvensis /singly/ , Centaurea solstitialis /singly/, Salvia aethiops /singly/, Anthericum liliago, Pseudolysimachion orchideum, Centaurea rumelica, Chamaecytisus rochelii var. bulgaricus, Cerinthe minor, Glycyrrhiza echinata, Lathyrus latifolius, Euphorbia sequevana, Salvia argentea /10%/, Galium sp., Echium italicum /10%/, Verbascum sp., Potentilla pilosa, Stachys germanica, Consolida sp., Agrimonia eupatoria /30%/, Cynoglossum sp., Salvia verticillata, Teucrium chamaedris, Linaria sp., Eryngium campestre, Tragopodon sp., Acanthus balcanicus, Clematis vitalba.

#### 4.2 Quality and importance

Region - West tributaries of Danube River in the region of Timok River - Danube River. Water catchment - Deleinska River. Flora region Danube plain, Bregovo - Novo selo lowland. Physical - geographical sub-region West Danube plain. Water catchment's area is 150 sq. km. The site mainly includes forest areas presented by plain lime and oak tree forests. The forests are distributed along the valley of Deleinska River, mainly on the right riverside. Exceptions are the isolated forest massifs distributed along the high plateau-like loess grounds in the region of Plakuder and Gymzovo villages. Their origin is coppies and it is difficult for natural renovation, the forests average age is around 40 years. The natural character of the massifs is clearly expressed even though their origin. At separate places there is afforestation with acacia, which renovate extremely well. The forest massifs are compact forming almost non-breaking plain massif between the villages Deleina and Kalina. At separate places fragmented are found lowland grazing meadows - mainly in the region of Deleina and Tiaanovtzi villages. Fragmentally distribution of the habitats 91I0 and 91G0. The first one takes the high above 100 meters altitude terrains and the second one is distributed along the wet valleys mainly at Mechata glava place. Along the valley of Deleina River dominate riverside grasses combined with spots of 91E0 V. Habitat 91E0 is very defragmented, distributed at isolated sections mainly in the northern part of the site. In the northeast part of the site there are beams of sand loess immediately before the start of the forest massifs along the valley. Clearly presented 91M0 mainly at the border side part of the site.

#### 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                | J02.11                       |                             | i                      |

| Positive Impacts |                               |                             |                         |
|------------------|-------------------------------|-----------------------------|-------------------------|
| Rank             | Activities, management [code] | Pollution (optional) [code] | inside /outside [i o b] |
| L                | A03                           |                             | i                       |

|   |        |  |   |
|---|--------|--|---|
| M | A10    |  | o |
| M | I01    |  | i |
| M | B      |  | o |
| L | B02.02 |  | i |
| L | A05.01 |  | i |
| L | E03.01 |  | i |
| L | B01.02 |  | i |

|   |        |  |   |
|---|--------|--|---|
| M | A10    |  | o |
| M | B      |  | o |
| L | B02.02 |  | i |
| L | A05.01 |  | 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 Ivailo Dimitrov Nikolov, s. Kaleytsa, obl. Lovech, 147 "Hristo Botev" Str., ivodimnik@abv.bg  
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=BG0000507&siteType=HabitatDirective>

### 5. SITE PROTECTION STATUS (optional)

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

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| Code | Cover [%] | Code | Cover [%] | Code | Cover [%] |
|------|-----------|------|-----------|------|-----------|
| BG00 | 100.0     |      |           |      |           |

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

#### 5.3 Site designation (optional)

The site is designated to preserve the biggest for the region plain forests of silver lime and concomitant small- and large-leaved lime distributed mainly in the northern and northwestern part of the site. The site also preserves relatively well conserved complex of plain oak forests parts of the habitat types 91 M0, 91G0, 91I0. here are found the most western for Bulgaria oak forests included in these habitat types and distributed up to 150 meters altitude. The site preserves the system of plain beams of snad loess.

### 6. SITE MANAGEMENT

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

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|               |   |
|---------------|---|
| 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                    |
| <input type="checkbox"/> No, but in preparation |
| <input checked="" type="checkbox"/> No          |

#### 6.3 Conservation measures (optional)

Forestry management project, Forestry Enterprise Vidin

### 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).