



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

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1.1 Type	1.2 Site code
B	BG0000507

1.3 Site name

Deleyna

1.4 First Compilation date	1.5 Update date
2005-07	2018-12

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).

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2. SITE LOCATION

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2.1 Site-centre location [decimal degrees]:

Longitude

22.6975

Latitude

44.06194444444444

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

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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
6250 f			29.21		M	A	C	A	B
6430 f			40.31		M	A	C	A	B
6510 f			8.12		G	A	C	A	B
91E0 f			0.3		G	B	C	B	B
91G0 f			412.03		M	B	C	B	C
91I0 f			8.34		M	B	C	B	B
91M0 f			472.11		M	B	C	C	B
91Z0 f			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	Bombina bombina			p			localities	P	DD	C	C	C	C
A	1193	Bombina variegata			p	1	1	localities	V	P	C	C	C	C
I	1088	Cerambyx cerdo			p	134010	197731	i	R	M	C	B	C	B
R	5194	Elaphe sauromates			p			localities	P	DD	C	C	C	C
R	1220	Emys orbicularis			p	1	1	localities	V	P	C	C	C	C
I	1083	Lucanus cervus			p	47888	94206	i	R	M	C	B	C	B
M	2609	Mesocricetus newtoni			p				P	DD	D			
M	1310	Miniopterus schreibersii			p				P	DD	D			
I	1089	Mormus funereus			p	113461	131789	i	R	M	C	B	C	B
M	1316	Myotis capaccinii			p				P	DD	D			
M	1305	Rhinolophus euryale			p				P	DD	D			
M	1304	Rhinolophus ferrumequinum			p	6	10	i	V	G	D			
I	1087	Rosalia alpina			p				R	DD	C	B	C	B
R	1219	Testudo graeca			p			localities	P	DD	C	A	C	A
R	1217	Testudo hermanni			p			localities	P	DD	C	A	C	A
A	1993	Triturus dobrogicus			p			localities	P	DD	C	C	C	C
I	1032	Unio crassus			p			i	R	M	C	B	C	B
M	2635	Vormela peregusna			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		Acanthus balcanicus						R				X		
P		Aremonia agrimonoides						C						X
P		Asparagus tenuifolius						V						X
A		Bufo viridis						P					X	
P		Bupleurum praealtum						P						X
P		Campanula rapunculus						P						X
P		Chamaecytisus supinus ssp. velenovsky						R						X
P		Clinopodium vulgare						P						X
R		Coluber caspius						P					X	
R		Elaphe longissima						P					X	
P		Galium pseudoaristatum						C						X
P		Helleborus odorus						C						X
A		Hyla arborea						P					X	
P		Hypericum perforatum						C						X
R		Lacerta viridis						C					X	
P		Limodorum abortivum						P			X			
R		Natrix tessellata						P					X	
P		Orchis tridentata						P					X	
P		Paeonia peregrina						R						X
A		Pelobates fuscus						P					X	
R		Podarcis muralis						P					X	
R		Podarcis taurica						P					X	
A		Rana dalmatina						P					X	
P		Ruscus aculeatus						R						X
P		Ruscus hypoglossum						R						X
P		Sedum maximum						R						X
R		Vipera ammodytes						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
N08	11.0
N15	1.0
N16	77.0
N10	1.0
N22	1.0
N07	1.0
N14	1.0
N12	2.0
N09	2.0
N20	1.0
N23	1.0
N21	1.0
Total Habitat Cover	100

Other Site Characteristics

The site presents 15.05 % (2257.5 ha) of the total area of the water catchment of Deleinska River (15 000 ha). The Deleinska River is drying up during most parts of the year (10 months). There are underground waters. The habitat types 91E0 and 91F0 distributed along the riverside are missing or are much dispersed. There isn't industrial pollution of the water flow, no dikes, shoots or other equipments. The arable lands are abandoned or underdeveloped due to the small number of population in the nearby settlements. In the riverside regions are found some grazing meadows with modified composition on the dry loess base. Habitat 91ZO, coordinates E - 22.45.19.246, N-44.03.43.583 Typical Moesian cenoses of *Tilia tomentosa* /50-80%/ and most probably of *Tilia tomentosa* h *Tilia rubra* aged 20 - 60 years. Strongly damaged by anthropogenic factors in the past but with good restoration abilities. In the tree composition take part also *Q.dalechampii* 5-10% /50-100 years/, *Q.ceris* 5-10% /50-100 years/, *Acer campestre* 10%, *Acer platanoides*, *Cerasus* sp., *Acer tataricum* separate trees or groups of the aggressive *Ailanthus altissima*, *Robinia pseudoacacia*. Shrubs composition consists of *Crataegus monogyna*, *Fraxinus ornus*, *Cornus sanguinea*, *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 praeltum*, *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, Anemone 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 praealtum, 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 arientalis /singly/ , Centaurea solstitialis /singly/, Salvia aethiopis /singly/, Anthericum liliago, Pseudolysimachion orchideum, Centaurea rumelica, Chamaecytisus rochelii var. bulgaricus, Cerinthe minor, Glycyrrhiza echinata, Lathyrus latifolius, Euphorbia sequerana, 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 9110 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				Positive Impacts			

Rank	Threats and pressures [code]	Pollution (optional) [code]	inside/outside [i o b]
L	A05.01		i
M	I01		i
L	B02.02		i
L	J02.11		i
M	A10		o
L	E03.01		i
L	B01.02		i
M	B		o

Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
L	A05.01		i
M	B		o
L	A03		i
L	B02.02		i
M	A10		o

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)

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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)

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

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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:

- ☐ Yes
☐ No, but in preparation
☒ 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).