



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 **BG0002001**

SITENAME **Rayanovtsi**

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1. SITE IDENTIFICATION

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1.1 Type A	1.2 Site code BG0002001
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1.3 Site name

Rayanovtsi

1.4 First Compilation date 2005-10	1.5 Update date 2015-07
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1.6 Respondent:

Name/Organisation:	Ministry of Environment and Water, "National Nature Protection Service" Directorate
Address:	Sofia Maria Luiza Blvd. 22 1000 Sofia
Email:	r.dimova@moew.government.bg

1.7 Site indication and designation / classification dates

Date site classified as SPA:	2007-03
National legal reference of SPA designation	Site classified as SPA by Council of Ministers Decision No. 122/02.03.2007 (promulgated SG 21/2007).

Explanation(s):	Site classified as SPA by Council of Ministers Decision No. 122/02.03.2007 (promulgated SG 21/2007). Issued designation order by the Minister of Environment and Water with prohibitions and restrictions on activities contradicting the conservation objectives of the site – Order No. RD – 569/05.09.2008 (promulgated SG 84/2008).
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2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude

23.052500000000002

Latitude

42.930277777777775

2.2 Area [ha]:

13185.8338

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

BG41	Югозападен / Yugozapaden
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2.6 Biogeographical Region(s)

Continental (100.0%)

3. ECOLOGICAL INFORMATION

3.2 Species referred to in Article 4 of Directive 2009/147/EC and listed in Annex II of Directive 92/43/EEC and site evaluation for them
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Species			Population in the site							Site assessment				
Group	Code	Scientific Name	S	NP	Type	Size		Unit	Cat.	Data quality	A B C D		A B C	
						Min	Max		C R V P		Pop.	Cons.	Isol.	Glob.
B	A086	Accipiter nisus			p	3	3	p		G	C	A	C	C
B	A056	Anas clypeata			r	1	2	p		G	C	B	C	C
B	A052	Anas crecca			r	2	3	p		G	C	B	C	C
B	A053	Anas platyrhynchos			p	60	70	p		G	C	B	C	C
B	A055	Anas querquedula			r	8	20	p		G	C	B	C	C
B	A255	Anthus campestris			r	70	100	p		G	A	A	C	A
B	A090	Aquila clanga			c		1	i		G	B	A	C	A
B	A028	Ardea cinerea			r	1	2	p		G	C	B	C	C
B	A029	Ardea purpurea			r	2	9	p		G	B	B	A	B
B	A059	Aythya ferina			c	65	65	i		G	C	B	A	C
B	A059	Aythya ferina			r	2	15	p		G	C	B	C	C
B	A060	Aythya nyroca			c	100	150	i		G	B	A	C	A
B	A060	Aythya nyroca			r	25	30	p		G	B	A	C	A
B	A021	Botaurus stellaris			r	6	8	p		G	B	B	A	B
B	A215	Bubo bubo			p	1	1	p		G	C	A	C	C
B	A215	Bubo bubo			w	1	1	p		G	C	A	C	C
B	A133	Burhinus oedicnemus			r	10	10	p		G	B	A	C	A
B	A087	Buteo buteo			w	10	4	i		G	C	B	C	B
B	A087	Buteo buteo			p	10	10	p		G	C	B	C	C
B	A403	Buteo rufinus			p	4	4	p		G	C	A	C	B

B	A403	Buteo rufinus			w	7	7	i		G	C	A	C	B
B	A243	Calandrella brachydactyla			r	120	160	p		G	B	A	C	A
B	A224	Caprimulgus europaeus			c				P	DD	C	A	C	C
B	A224	Caprimulgus europaeus			r				R	DD	C	A	C	C
B	A136	Charadrius dubius			r	1	3	p		G	C	B	C	C
B	A031	Ciconia ciconia			c				C	DD	C	A	C	C
B	A031	Ciconia ciconia			r	10	12	p		G	C	A	C	C
B	A030	Ciconia nigra			r	1	1	p		G	C	B	B	C
B	A030	Ciconia nigra			c	50	100	i		G	C	B	B	C
B	A080	Circetus gallicus			r	3	3	p		G	C	A	C	C
B	A080	Circetus gallicus			c	30	30	i		G	C	A	C	C
B	A081	Circus aeruginosus			w	40	60	i		G	B	B	A	B
B	A081	Circus aeruginosus			r	4	4	p		G	B	B	A	B
B	A084	Circus pygargus			w	20	40	i		G	C	B	A	C
B	A084	Circus pygargus			r		3	p		G	C	B	A	C
B	A231	Coracias garrulus			r		2	p		G	C	A	C	A
B	A122	Crex crex			r	37	48	p		G	C	A	C	A
B	A429	Dendrocopos syriacus			p				R	DD	C	A	C	C
B	A429	Dendrocopos syriacus			w				R	DD	C	A	C	C
B	A027	Egretta alba			w				C	DD	A	B	A	A
B	A027	Egretta alba			p	3	6	p		G	A	B	A	A
B	A379	Emberiza hortulana			r	104	196	p		G	C	A	C	A
B	A511	Falco cherrug			c				P	DD	C	B	B	B
B	A511	Falco cherrug			r		1	i		G	C	B	B	B
B	A103	Falco peregrinus			r	1	1	p		G	C	B	C	C
B	A099	Falco subbuteo			r	2	2	p		G	C	B	C	C
B	A096	Falco tinnunculus			p	12	12	p		G	C	B	C	C
B	A125	Fulica atra			p	140	180	p		G	C	B	C	B
B	A125	Fulica atra			c	800	900	i		G	C	B	C	B
B	A125	Fulica atra			w	200	300	i		G	C	B	C	B
B	A123	Gallinula chloropus			p	25	30	p		G	C	B	C	C
B	A131	Himantopus himantopus			r		1	p		G	C	A	B	C
B	A131	Himantopus himantopus			c				R	DD	C	A	B	C
B	A022	Ixobrychus minutus			r	30	32	p		G	B	A	A	B
B	A338	Lanius collurio			c				P	DD	C	A	C	A
B	A338	Lanius collurio			r	820	1600	p		G	C	A	C	A
B	A339	Lanius minor			r	40	70	p		G	C	A	B	B
B	A246	Lullula arborea			p	115	115	p		G	C	A	C	C
B	A242	Melanocorypha calandra			r	20	30	p		G	B	A	C	B
B	A072	Pernis apivorus			c				C	DD	C	A	C	C
B	A072	Pernis apivorus			r	1	2	p		G	C	A	C	C
B	A005	Podiceps cristatus			r	4	8	p		G	C	B	C	B

B	A008	Podiceps nigricollis			r	2	2	p		G	A	A	C	B
B	A120	Porzana parva			r				R	DD	B	B	A	B
B	A120	Porzana parva			c				P	DD	B	B	A	B
B	A119	Porzana porzana			c				P	DD	B	B	A	B
B	A119	Porzana porzana			r				R	DD	B	B	A	B
B	A121	Porzana pusilla			c				P	DD	B	B	A	B
B	A121	Porzana pusilla			r				V	DD	B	B	A	B
B	A118	Rallus aquaticus			p	40	40	p		G	B	A	C	B
B	A307	Sylvia nisoria			r	30	63	p		G	C	A	C	B
B	A004	Tachybaptus ruficollis			r	26	30	p		G	C	B	C	B
B	A165	Tringa ochropus			r		3	p		G	C	B	C	C
B	A142	Vanellus vanellus			r	6	8	p		G	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
B	A113	Coturnix coturnix			500	500							X	
B	A244	Galerida cristata						P					X	
B	A214	Otus scops			1	1							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	2.0
N15	1.0
N06	
N08	7.0

N12	21.0
N21	1.0
N10	7.0
N23	18.0
N09	23.0
N17	2.0
N16	18.0
Total Habitat Cover	NaN

Other Site Characteristics

Rayanovtsi covers the wet meadows located in the valley between the town of Dragoman and the village of Tsruklevtsi, including the Dragoman Marsh, Chepun Ridge and the karst hills stretching from Dragoman to the grounds of the villages Bezden, Bogjovtsi and Ponor to the south. The area's eastern limit passes along the Sofia - Godetch road in its section from Belidie Han to the area of Vartopite. The wet meadows are overgrown with mesophyte grass vegetation, dominated by *Carex* spp., *Poa pratensis*, *Alopecurus pratensis*, *Poa sylvicola*, *Lolium perenne*, etc. (Bondev 1991). Drainage canals have been cut through the bigger part of the territory. They are fringed by single groups of willow *Salix* spp. and poplar belts *Populus* spp., as well as strips of marsh vegetation - reed *Phragmites australis*, reed mace *Typha* spp., etc. Common stinging nettle *Urtica dioica* grows on the dykes of the canals and provides the first refuge of the Corncrake *Crex crex* in early spring and the beginning of the breeding season. Typical marsh vegetation covers parts of the Dragoman Marsh and water pools remain at certain spots throughout the year. Since 50-ties the drainage system stopped to operate and the Dragoman marsh natural restoration process started. By 2005 the marsh covers area of nearly 400 ha. Chepun Ridge is overgrown with xerophyte and calciphyle grass and shrub vegetation, with presence of rare and endemic plant species. At some places there are plantations of pine *Pinus nigra* and dispersed broadleaved forest.

4.2 Quality and importance

Rayanovtsi meadows include valuable habitats of rare and threatened bird species - meadows, pastures and wetlands: 196 bird species have been recorded there, 84 of which are of European conservation concern (BirdLife, 2004) - 6 species are included in category SPEC1 (globally threatened), 21 in SPEC 2 and 57 in SPEC 3 as threatened in Europe. Forty-five of the species that occur there are listed in the Red Data Book for Bulgaria. The area is of global importance for the Corncrake, which breeds there regularly, as well as of European Union importance for a complex of 11 bird species, included in Annex I of Bird Directive. It is one of the most important sites in the country for the Tawny Pipit *Anthus campestris*, Ferruginous Duck *Aythya nyroca*, Short-toed Lark *Calandrella brachydactyla* and Ortolan Bunting *Emberiza hortulana*. It supports considerable populations of the Short-toed Eagle *Circaetus gallicus*, Common Quail *Coturnix coturnix*, Red-backed Shrike *Lanius collurio*, Woodlark *Lullula arborea*.

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]
M	B02.04		o
L	E01.04		i
M	F03.01		o
M	G05.01		i
L	H04		i
M	J02.05.02		o
L	D02.01		i
M	G01.04		i
M	B		o
L	B01.02		o
H	F03.01		i
M	F02.03		i
M	C01.01.01		i
M	G01.05		i
M	B01.02		i
L	A05.01		i
L	A04		i
M	A03		o
M	F04		i
M	B01		i
M	J02.05.02		i
M	J02.05		i
M	B02.03		o
M	E03.03		o
L	B02.02		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
M	E01.04		o
L	A05.01		i
L	A04		i
L	A04		o
L	A05.02		i
L	G01.02		o
L	A05.02		o
M	F02.03		o
L	A05.01		o
L	G01.04		o
L	G01.05		o
L	E01.04		i

L	B01		o
L	E03.03		i
L	B		i
L	B02.04		i
M	J01		o
M	F04		o
M	F02.03		o
L	G01.02		o
L	G01.04		o
M	J01		i
M	E03.01		i
L	A05.01		o
M	D01.02		i
M	E03.01		o
L	H05		i
L	G04.01		i
L	B02.03		i
L	A05.02		i
M	D01.01		i
M	A01		o
L	A01		i
L	C01.01.01		o
L	A03		i
M	G01.02		i
L	F03.02.02		o
L	G01.05		o
M	E03		i
M	F03.02.02		i
M	J02.10		i
L	A04		o
M	E03		o
M	B02.02		o
M	E01.04		o
L	A05.02		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

4.5 Documentation

Initial proposal and description of the site made by Dr. V. Delov, Dr. P. Iankov, Dr. N. Petkov - Bulgarian Society for the Protection of Birds, Bulgaria, 1111 Sofia, P.O.Box 50, phone (+359 2) 9715855, fax (+359 2) 9715856, www.bspb.org; Dr. P. Shurulinkov - Zoology Institute, BAS, 1 "Tzar Osoboditel" blvd., 1000 Sofia; S. Velkov - CEIE, 1303 Sofia, 17A "S.Vratchanski" St., (+3592)9808497. Data revised by a team of Bulgarian Academy of Sciences (<http://www.bas.bg>). Documents: BDZP/BirdLife Balgariya. 2005. "Nacionalna banka za ornitologichna informacia 1988-2005?", Balgarsko Druzhestvo za zastita na pticite; Bondev, I. 1991. Rastitelnostta na Balgariya. S. Universitetsko izdatelstvo "Sv. Kliment Ohridski", 183 s.; Botev, B. and Tz. Peshev, (eds). 1985. Red Data Book of Republic Bulgaria. 2: Animals. Sofia: Bulgarian Academy of Science. (In Bulgarian.); Delov, V., P. Iankov. 1997. Vlazhni livadi Rayanovtsi. V: Kostadinova, I. (sast.). Ornitologichno vazhni mesta v Balgariya. BDZP. Prirodozashtitna poreditsa. Kniga 1. Sofiya: 45-46; Iankov, P. 2002. (red.). Svetovno zastrasheni vidove ptitsi v Balgariya. Natsionalni planove za deystvie za opazvaneto im. Chast 1. BDZP-MOSV, Prirodozashtitna poreditsa, Kn. 4, Sofiya: 204-219.; Koshev, Y., N. Atanasov. (pod pechat). Ekologo-faunistichno izsledvane na drebni bozaynitsi (Micromammalia) v rayona na Dragomansko blato (Zapadna Balgariya). Sbornik dokladi ot I-va Natsionalna nauchna konferentsiya po ekologiya, Sofiya, 4-5 noemvri 2004 g.; Nankinov, D., P. Shurulinkov, B. Nikolov, I. Nikolov, I. Hristov, R. Stanchev, S. Dalakchieva, A. Dutsov, M. Sarov, A. Rogev. 2004. Gaskopodobnite ptitsi (Anseriformes) vav vlazhnite zoni krax gr. Sofis. Balgarska Ornitologicheska Tsentrala. 99 protsenta, Sofiya. 163 str.; Petkov, N. 1997b. Savremenno sastoyanie na belookata potapnitsa (Aythya nyroca) v Balgariya. Diplomna rabota, Biologicheski Fakultet pri SU "Sv. Kl. Ohridski", Sofiya, 104 s. BirdLife International. 2000. Threatened birds of the world. Barcelona and Cambridge, UK: Lynx Edicions and BirdLife International, 695pp.; BirdLife International (2004) Birds in Europe: Population estimates, trends and conservation status. Cambridge, UK: BirdLife International (BirdLife Conservation Series No. 12).; BirdLife International. 2005. World Bird Database ? Important Birds Areas. Bulgaria. Cambridge. (unpublished); Iankov, P., N. Petkov, A. Kovachev, D. Plachiisky. (in print). Pygmy Cormorant in Bulgaria 2001/2002. Final Report.; Delov, V. 1995. Investigations on the Cornkrake (Crx crex L.) in the region of Sofia. Ann. Sofia Univ., Fac. Biol. 88, 4: 25-31 Iankov, P., Tz. Petrov, T. Michev, L. Profirov. 1994. Past and present Status of the Lesser Kestrel Falco naumanni in Bulgaria. ? In: Meyburg, B.-U. & R.D. Chancellor eds. 1994. Raptor Conservation Today, WWGBP/ The Pica Press, 133-137.; Kostadinova, I., S. Dereliev. 2001. Results the Mid-Winter Counts of Waterbirds in Bulgaria for the period 1997- 2001. BSPB Conservation Series. Book 3, BSPB, Sofia, BG.; Kostadinova, I., M. Mihailov, (comp.) 2002. Guide for NATURA 2000 in Bulgaria. BSPB nature conservation series No5. BSPB, Sofia, 80pp. (In Bulgarian.); Kostadinova, I. 2005. Application of C criteria for Identification of Important Bird Areas of European Union importance in Bulgaria. Preliminarily implementation and analysis of the gaps. ? In: Petrova, A. (ed.), Current state of Bulgarian biodiversity ? problems and perspectives. Pp. 533-548. Bulgarian Bioplatform, Sofia MOEW. 1998.

CORINE Biotopes Database of the sites of European Importance for the biodiversity. Bulgaria, MOSV (nepubl.); Nankinov, D., P. Shurulinkov, I. Nikolov, B. Nikolov, S. Dalaktchieva, I. Hristov, R. Stanchev, A. Rogev, A. Dutsov, M. Sarov. 1998. Studies of the waders (Charadriiformes) on the wetlands around Sofia (Bulgaria). Riv. Ital. Orn. 68, 1: 63-83; Osieck, E. 2000 Filling in the requirements of the EU Birds Directive: Lessons from the 'Dutch Case??. In: European IBA Workshop. 29 March - 2 April 2000, Brussels, Belgium. Proceedings. BirdLife International, 86-99; Petkov, N. 1998a. Current Status of the Ferruginous Duck (Aythya nyroca) in Bulgaria. ? Partimadar, 6-7, MME, Budapest, 44?49 Waliczky, Z. 2000 ?Important Bird Areas of European Union Importance: explanation of the EU Criteria applied in IBA 2000? In: European IBA Workshop. 29 March - 2 April 2000, Brussels, Belgium. Proceedings. BirdLife International, 12-16;

Link(s): <http://natura2000.moew.government.bg/Home/ProtectedSite?code=BG0002001&siteType=BirdsDirective>

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				

designated at international level:

Type	Site name	Type	Cover [%]
Other	IBA	=	100.0

5.3 Site designation (optional)

The area does not have legal protection under the national conservation legislation. In 2005 the area of Dragoman Marsh is proposed for designation as Protected Area. In 1997 the area was designated as Important Bird Area by BirdLife International.

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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Organisation:	Regional Inspectorate of Environment and Water -Sofia;Forestry Departments - Godech; Sofia;
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

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).