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	**BG0000116**
SITENAME	**Kamchia**

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1. SITE IDENTIFICATION

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1.1 Type	1.2 Site code
B	BG0000116

1.3 Site name

Kamchia

1.4 First Compilation date	1.5 Update date
2003-12	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:	2007-12
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. 802/04.12.2007 (promulgated SG 107/2007).

2. SITE LOCATION

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2.1 Site-centre location [decimal degrees]:

Longitude	Latitude
27.7536	43.0217

2.2 Area [ha]:

12919.9374

2.3 Marine area [%]

5.8

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name
BGZZ	Extra-Regio
BG33	Североизточен / Severoiztochen

2.6 Biogeographical Region(s)

Black Sea (94.2 %)

Marine Black Sea (5.8 %)

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
1110			220.93092		M	C	C	C	C
1130			1.39		G	A	C	B	B
1140			4.90957		M	A	B	B	A
1160			2.66		G	A	C	B	B
2110			15.33		M	C	B	B	C
2120			2.45478		M	B	C	B	B
2130			129.7		M	A	A	B	B
2180			43.06		M	C	A	B	C
2190			12.44		M	C	A	B	C
8330			1.03359		P	A	C	C	B
91E0			181.29999999999998		M	A	C	A	A
91F0			2826.84		M	B	A	A	B
91G0			35.55		M	C	C	B	B
91M0			2249.84		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	5288	Alburnus mandrensis			p				P	DD	D			
F	4125	Alosa immaculata			r	66	66	i	P	G	C	B	C	B
F	4125	Alosa immaculata			c				P		C	B	C	B
F	4127	Alosa tanaica			r	91	91	i	C	G	B	C	A	B
F	4127	Alosa tanaica			p				C	DD	B	C	A	B
F	1130	Aspius aspius			p	195840	195840	area	V	P	C	C	A	A
M	1308	Barbastella barbastellus			p	11	50	i	V	M	C	B	C	C
F	5265	Barbus bergi			p	1121100	1121100	area	P	P	C	B	B	B
A	1188	Bombina bombina			p	3	3	localities	V	P	C	A	C	A
M	1352	Canis lupus			p		1	i	P	M	C	A	C	A
I	1088	Cerambyx cerdo			p	51340	75752	i	R	M	C	B	C	B
F	1149	Cobitis taenia			p	938190	938190	area	P	P	C	A	C	A
I	1086	Cucujus cinnaberinus			p	1	1	localities	R	P	C	A	C	B
I	4032	Dioszeghyana schmidtii			p	1613	2258	i	V	P	C	B	A	B
R	5194	Elaphe sauromates			p	1	1	localities	V	P	C	A	C	A
R	1220	Emys orbicularis			p	1	1	localities	V	P	C	A	C	A
I	1065	Euphydryas aurinia			p	1	1	localities	R	P	B	B	B	B
I	6199	Euplagia quadripunctaria			p	4273	5002	i	V	P	C	B	C	B
P	2327	Himantoglossum caprinum			p	100	150	i		G	C	B	A	B
I	1083	Lucanus cervus			p	52969	104201	i	R	M	C	A	C	A
M	1355	Lutra lutra			p	10	15	i		G	C	A	C	A
I	1060	Lycaena dispar			p	1336	2672	i	R	M	C	A	B	B
M	2609	Mesocricetus newtoni			p				P	DD	D			
I	1089	Morimus funereus			p	63122	73319	i	R	M	C	A	C	A
M	1323	Myotis bechsteinii			p	101	250	i	R	M	C	B	C	C
M	1351	Phocoena phocoena			c				P		C	C	C	C
M	1303	Rhinolophus hipposideros			p	11	50	i	R	M	C	B	C	C
F	5339	Rhodeus amarus			p	23389	23389	i	V	G	C	B	C	B
I	1087	Rosalia alpina			p	14844	27033	i	R	M	C	A	C	B
M	1335	Spermophilus citellus			p	1	1	colonies	P	M	C	C	C	B
R	1219	Testudo graeca			p			localities	P	DD	C	A	C	A
R	1217	Testudo hermanni			p	5	5	localities	R	M	C	A	C	A
A	1171	Triturus karelinii			p			localities	P	DD	C	A	C	A
M	1349	Tursiops truncatus			c				P		C	C	C	B
I	1032	Unio crassus			p	14564	14564	i	R	M	C	B	C	B
I	1014	Vertigo angustior			p			i	R	M	B	A	C	A
I	1016	Vertigo moulinsiana			p			i	R	M	B	A	C	A
M	2635	Vormela peregusna			p				P	DD	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
R		Ablepharus kitaibelii						P					X	
F		Acipenser gueldenstaedti						P					X	
F		Acipenser stellatus						P					X	
F		Anguilla anguilla						P			X			
P		Astragalus haarbachii						V			X			
F		Atherina boyeri						P			X			
F		Belone belone						P						X
F		Blicca bjoerkna						P			X			
A		Bufo viridis						C					X	
P		Calystegia soldanella						C			X			
P		Centaurea arenaria						C			X			
R		Coluber caspius						P					X	
P		Convolvulus persicus						C						X
P		Cyclamen coum						C			X			
R		Elaphe longissima						P					X	
M		Eptesicus serotinus						C					X	
M		Erinaceus concolor						C			X			
P		Eryngium maritimum						C			X			
F		Esox lucius						P						X
P		Galanthus elwesii						C						X
P		Galanthus nivalis						C			X			
F		Gambusia affinis						P						X
F		Gasterosteus aculeatus						P			X			
F		Huso huso						R					X	
A		Hyla arborea						C					X	
M		Hypsugo savii						C					X	
F		Knipowitschia caucasica						C			X			
R		Lacerta trilineata						P					X	
R		Lacerta viridis						C					X	
P		Lepidotrichum uechtritzianum						C			X			
P		Leucojum aestivum						C			X			
F		Liza ramada						P						X

I		Melitaea trivia						C					X	
P		Merendera sobolifera						R						X
F		Mesogobius batrachocephalus						P						X
M		Mustela nivalis						C			X			
M		Myotis daubentonii						C					X	
M		Myotis sp.						C					X	
R		Natrix natrix											X	
R		Natrix tessellata											X	
F		Neogobius ratan						P						X
P		Nuphar lutea						C			X			
M		Nyctalus leisleri						C					X	
M		Nyctalus noctula						C					X	
P		Nymphaea alba						C			X			
P		Otanthus maritimus						C			X			
F		Pegusa lascaris						P						X
A		Pelobates syriacus						P					X	
F		Petroleuciscus borysthenicus						R				X		
M		Pipistrellus nathusii						C					X	
M		Pipistrellus pipistrellus						C					X	
M		Pipistrellus pygmaeus						C					X	
M		Plecotus sp.						C					X	
R		Podarcis muralis						P					X	
R		Podarcis taurica						P					X	
F		Pungitius platygaster						P			X			
F		Raja clavata						P						X
A		Rana dalmatina						C					X	
P		Salvinia natans						C			X			
F		Sarda sarda						P						X
P		Scilla bithynica						C			X			
I		Scolitantides orion						C						X
F		Scomber scombrus						V			X			
F		Silurus glanis						P						X
P		Sison amomum						R			X			
F		Squalus acanthias						P						X
P		Trachomitum venetum						C			X			
F		Uranoscopus scaber						P						X
P		Utricularia vulgaris						R						X
F		Vimba vimba tenella						P					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

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4.1 General site character

Habitat class	% Cover
N04	1.0
N02	1.0
N15	32.0
N08	3.0
N16	48.0
N01	6.0
N09	9.0
Total Habitat Cover	100

Other Site Characteristics

The persentage for the coniferous forests is for plantations of Austrian pine.

4.2 Quality and importance

Very well developed and preserved swamp forests and marshes in combination with coastal dunes. The forest is frequented by numerous mammals. The Kamchiya is the biggest Bulgarian river directly flown into the Black Sea. It is quite important from faunistical, ecological and conservation points of view.

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	E02.01		b
L	F03.02.03		b
M	I03.01		b
M	J02.12		i
L	F02.03		i
L	B01.02		b
L	A08		b
M	E03.01		b
H	J02.01.01		b
L	H		b
L	E01.03		b
M	G01.03		b
M	A04		b
M	G02		i
M	A03		b
M	G02.10		o
L	K04		b
L	F01		b
M	F03.01		b
M	J02.01		b

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside /outside [i|o|b]
M	L08		b
L	K04		b
H	J02		i
L	F02.03		i
M	A04		o
M	F03.01		b
L	F01		b
L	B01.02		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 V. Popov, I. Pandourski, M. Vassilev - Institute of Zoology, BAS; Al. Tashev, University of Forestry, Sofia; M. Angelov - Green Balkans Federation, Plovdiv; A. Tsekov, I. Dobrovolov; St. Petrov - Agricultural University, Plovdiv; D. Duhalov; Institute of Oceanology,BAS. Data revised by a team of Bulgarian Academy of Sciences (http://www.bas.bg).Initially listed publications: Henrich, G. 1936. Uber die von mir in Jahre 1935 in Bulgarien gesammelten Saugetiere. - Proc. Nat. Hist. Inst. In Sofia, 9: 33-48. Shishkov, G. 1939. A few words about the fishfauna of the Kamchia River.- Fish. Rev., Sofia, VI, 7. (In Bulgarian). Drensky, P. 1951. Fishes of Bulgaria, Sofia, BAS, 270 pp. (In Bulgarian).Karapetkova, M. 1974. Ichthyofauna of the Kamchia River.- Bull. Inst. Zool. And Mus., 39, 85-98. (In Bulgarian with Russian and French summary).Vassilev, M. 1999. Changes of ichthyofauna in the Lesenski and the Mazen marshes (Kamchia Reserve, Bulgaria).- Acta zool. Bulg., 51, 1, 57-60.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=BG0000116&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	1.6013878081433095	BG01	6.200340144705736	BG00	92.19827204751408

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
BG01	Kamchiya	+	6.200340144705736
BG06	Kamchijski pyasatzi	+	1.6013878081433095

5.3 Site designation (optional)

The restoration of the tree species in the forest of Longoza during the last years is very good, at places even excellent.

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Regional Inspectorate of Environment and Water: Varna
Address:	
Email:	

6.2 Management Plan(s):

An actual management plan does exist:

- [ ] Yes
- [ ] No, but in preparation
- [X] No

6.3 Conservation measures (optional)

The regime of flooding of the plain forests situated on the territory of the site to be restored.

7. MAP OF THE SITES

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INSPIRE ID:

Map delivered as PDF in electronic format (optional)

- [ ] Yes
- [X] No

Reference(s) to the original map used for the digitalisation of the electronic boundaries (optional).