



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 BG0001501

SITENAME Emona

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code BG0001501	Back to top
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1.3 Site name

Emona

1.4 First Compilation date 2012-07	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 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:	2013-11
Date site confirmed as SCI:	2015-11
Date site designated as SAC:	No data
National legal reference of SAC designation:	No data
Explanation(s):	Adopted by Council of Ministers Decision No. 660/01.11.2013 (promulgated SG 97/2013).

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude 28.1554	Latitude 42.8522
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2.2 Area [ha]:

55345.28

2.3 Marine area [%]

100.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code

Region Name

BGZZ	Extra-Regio
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2.6 Biogeographical Region(s)

Marine (100.0
Black %)
Sea

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
1170f			55345.28		M	A	B	A	A

- **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	Alosa immaculata			p				C	P	B	A	C	A
F	4127	Alosa tanaica			p				R	P	B	A	C	A
M	1351	Phocoena phocoena			p				R	P	B	B	C	B
M	1349	Tursiops truncatus			p				C	P	B	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
F		Acipenser gueldenstaedtii						P			X		X	
F		Acipenser stellatus						P			X		X	
M		Delphinus delphis						C			X		X	
F		Huso huso						P			X		X	
I		Liocarcinus navigator						R					X	
F		Mesogobius batrachocephalus						C					X	
I		Mytilus galloprovincialis						C						X
I		Pilumnus hirtellus						C					X	
F		Psetta maxima						R			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
N01	100.0
Total Habitat Cover	100

Other Site Characteristics

The site is entirely marine with bottom depth of 30-75 m. The bottom substrates are gray-black, gray and gray-green soft plastic terrigenous muds with layers of shell detritus. The region is amongst the most representative ones in the Bulgarian Black Sea for biotope "Sublittoral mussel banks on sediment" that as a biogenic reef is a subtype of habitat 1170. The environment-forming species is the blue mussel *Mytilus galloprovincialis*, whose individuals attach to one another via byssal threads and thus build biogenic reefs - mussel banks. The marine area is habitat of shad fishes as in the spring through it passes the spawning migration to the rivers, and upon completion of the breeding process, the representatives of the genus inhabit the aquatory where they actively nurture. The area is permanent habitat of both target cetacean species *Tursiops truncatus* and *Phocoena phocoena*.

4.2 Quality and importance

The site covers 13% of the national distribution of mussel banks on sediment. The present mussel banks have a considerable area, high density of the coverage, high biomass and large average size (56.32 mm) of the individuals - indicators of excellent representativity and favorable conservation status of the habitat. The area is important for the protection and maintenance of the mussel banks in good condition and the prospects for this are good given the fact that the aquatory is remote from the major transnational source of eutrophication - the Danube River. As a potential habitat for shad fishes and cetaceans the site is of the highest class in terms of abundant trophic base and preserved ecosystems with rich biodiversity. Protecting the aquatory will have a beneficial effect on the shad fishes population as it provides a migration route to the spawning grounds, connectivity with the neighboring protected sites, offers suitable conditions for nurture and growth of individuals and is away from the places traditionally used for shad fishing along the coast. Importance of the aquatory for

conservation of the populations of the target cetacean species: harbor porpoise – the aquatory protects about 6.6% of the national population, and for the Bottlenose Dolphin about 5% (calculated on the basis of potential habitats of species in the productive shelf zone).

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	F05.04		b
M	H01.02		o
M	F02.02		b
M	E01.02		o
M	D03.02		o

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

Type	[%]	
Public	National/Federal	100
	State/Province	0
	Local/Municipal	0
	Any Public	0
Joint or Co-Ownership	0	
Private	0	
Unknown	0	
sum	100	

4.5 Documentation

Proposal and description of the site made by V. Todorova, M. Panayotova - Institute of Oceanology, BAS / 1-vi May Str. 40, 9000 Varna / vtodorova@io-bas.bg Documents: V. Todorova et al., 2012. Report on implementation of grant Contract No. 7976 / 04.04.2011, between EMEPA and the Institute of Oceanology. Project: "Expansion of the Natura 2000 ecological network in the Bulgarian Black Sea marine area to overcome the moderate insufficiencies regarding marine habitats 1110 "Sandbanks which are slightly covered by sea water all the time" and 1170"Reefs"and species 4125 Alosa immaculata, 1349 Tursiops truncatus and 1351 Phocoena phocoena and partial filling of scientific reserve for habitat 1180 " Submarine structures made by leaking gases" and species 1349 Tursiops truncatus in accordance with the conclusions from the Marine Black Sea Seminar, Brindisi, 15 June 2010". Fund of IO-BAS. Assessment of the current status of waters in the Black Sea Basin region for 2010. Basin Directorate for water management in the Black Sea region. http://www.bsbd.org/UserFiles/File/godishen%20doklad%20za%20sastoianieto%20na%20vodite%202010_raboten%20variant.pdf

Link(s): http://www.bsbd.org/UserFiles/File/godishen%20doklad%20za%20sastoianieto%20na%20vodite%202010_raboten%20variant.pdf
<http://natura2000.moew.government.bg/Home/ProtectedSite?code=BG0001501&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)

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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Organisation:	Basin Directorate for Water Management in the Black Sea Region – Varna
Address:	33 Aleksandar Dyakovich Str., Varna 9000
Email:	bdvarna@bsbd.org

Organisation:	Regional Inspectorate of Environment and Water – Varna
Address:	4 Yan Palah Str., Varna 9000
Email:	riosv-vn@mbox.contact.bg

Organisation:	Regional Inspectorate of Environment and Water – Burgas
Address:	67 Perushtitsa Str., hc “Lazur”, floor 3, P.O. box 219, Burgas 8000
Email:	riosvbs@unacs.bg

Organisation:	Ministry of Environment and Water
Address:	22 Maria Luiza Blvd., Sofia 1000
Email:	natura2000@moew.government.bg

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)

Appropriate measures against physical impacts on habitat 1170 include: prohibiting burial of the habitat subject of protection under dredge disposals; ban on sealing of habitats subject of protection with permanent structures, including artificial underwater reefs and islands; prohibition of conducting actions associated with interference in hydrological processes leading to significant changes in temperature regime, salinity, currents and wave effects; ban on the use of bottom trawling and dredging equipment, including sucking dredgers; prohibition of the introduction of solid waste. Appropriate measures against chemical impacts on habitat 1170 include: prohibiting the discharge of untreated wastewater, the quantity and quality of treated waters must meet the requirements for individual emission limits specified in the discharge permit issued in accordance with the requirements of the Water Act; prohibition on introduction of hazardous substances - synthetic, non-synthetic and radionuclides. Necessary measures against selective fishing and collection of species, including by-catch, to protect habitat 1170 and species 4127 *Alosa tanaica* and 4125 *Alosa immaculata*: Ban on commercial and recreational fishing of fish and molluscan aquatic organisms with the following appliances, tools, accessories and devices - explosives, poisonous and intoxicating substances, electric current and other equipment stunning the fish, bottom trawling and dredging equipment, firearms, jigging; Prohibiting fishing for *Alosa* spp. species during their period of reproduction; Prohibiting fishing, carrying, transport, sell and buy of *Alosa* spp. smaller than 22 cm.; In case of determining status changes to the stocks of *Alosa* spp. threatening their natural reproduction and economic importance, the Minister of Agriculture and Food in coordination with the Minister of Environment and Water imposes a ban on their use for a period of time not less than one year; Ban on commercial fishing of *Mytilus galloprovincialis* from natural mussel banks on sediment; Permissible quantities for recreational catch of *Mytilus galloprovincialis* are up to 2 kg.; Prohibiting of fishing, carrying and transport of *Mytilus galloprovincialis* from natural mussel banks on rocky bottom smaller than 7 cm; Prohibition of commercial catch of warty crab *Eriphia verrucosa*. Permissible quantities for recreational fishing are up to 1 kg; Prohibiting of fishing, carrying and transport of warty crabs *Eriphia verrucosa* smaller than 5 cm; Prohibiting fishing for warty crab *Eriphia verrucosa* during the period 1 April to 31 May. Necessary measures for the protection of cetaceans 1349 *Tursiops truncatus*, 1351 *Phocoena phocoena* and 1350 *Delphinus delphis*: Prohibited all forms of deliberate capture or killing of specimens by any appliances, tools and methods; persecution and disturbance, particularly during the period of breeding, rearing, wintering and migration; taking found dead specimens; possession, rearing, transportation, carrying, export, trading and offering for sale or exchange of specimens taken from the wild; taxidermy, possession, display in public, handling, transportation, export, trading and offering for sale or exchange of taxidermy specimens. Equipment of fixed fishing gear with repellent devices. Necessary measures against invasive alien species: Deliberate introduction into the marine environment of alien species is prohibited; Prohibited reballasting of ships in the aquatory of the SCI. For prevention appropriate assessment under art. 6 of the Habitats Directive is needed for the following projects and investment proposals: prospecting, exploration and exploitation of natural resources; prospecting, exploration and exploitation of oil, natural gas and unconventional hydrocarbons; construction of oil and gas pipelines; facilities for the production of electricity by wind power; farming of fish and shellfish aquatic organisms; underwater or floating constructions for tourist purposes. In order to control the status and effectiveness of conservation management measures monitoring of the conservation status of habitats and species populations is needed.

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).