



Ramsar Information Sheet

Published on 25 November 2015

Update version, previously published on 1 January 2007

Hungary

Gemenc



Designation date	30 April 1997
Site number	900
Coordinates	46°13'16"N 18°51'18"E
Area	19 770,00 ha

Color codes

Fields back-shaded in light blue relate to data and information required only for RIS updates.

Note that some fields concerning aspects of Part 3, the Ecological Character Description of the RIS (tinted in purple), are not expected to be completed as part of a standard RIS, but are included for completeness so as to provide the requested consistency between the RIS and the format of a 'full' Ecological Character Description, as adopted in Resolution X.15 (2008). If a Contracting Party does have information available that is relevant to these fields (for example from a national format Ecological Character Description) it may, if it wishes to, include information in these additional fields.

1 - Summary

Summary

There is a variety of floodplain biotopes along the river Danube. The floodplain forests and dead branches of the river support a high number and dense populations of important and/or protected species and communities.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Compiler 1

Name	Ákos Gáborik
Institution/agency	Duna-Dráva Nemzeti Park Directorate
Postal address	Hungary H-7625 Pécs, Tettye tér 9.
E-mail	gaborik@ddnp.kwm.hu
Phone	+36 72 517 200

2.1.2 - Period of collection of data and information used to compile the RIS

From year	2013
To year	2015

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Gemenc
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2.1.4 - Changes to the boundaries and area of the Site since its designation or earlier update

(Update) A. Changes to Site boundary	Yes <input checked="" type="radio"/> No <input type="radio"/>
(Update) The boundary has been delineated more accurately	<input checked="" type="checkbox"/>
(Update) B. Changes to Site area	the area has increased
(Update) The Site area has been calculated more accurately	<input checked="" type="checkbox"/>
(Update) The Site has been delineated more accurately	<input checked="" type="checkbox"/>

2.1.5 - Changes to the ecological character of the Site

(Update) 6b i. Has the ecological character of the Ramsar Site (including applicable Criteria) changed since the previous RIS?	No
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2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<1 file(s) uploaded>

Boundaries description (optional)

The previous map did not accurately represent the boundaries of the Ramsar Site. This has been corrected on the new map where the site follows the boundary of the Gemenc unit of the Duna-Dráva National Park.

2.2.2 - General location

a) In which large administrative region does the site lie?	Tolna and Bács Kiskun
b) What is the nearest town or population centre?	Szekszárd, Baja

2.2.3 - For wetlands on national boundaries only

- a) Does the wetland extend onto the territory of one or more other countries? Yes No
- b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party? Yes No

2.2.4 - Area of the Site

RIS for Site no. 900, Gemenc, Hungary

Official area, in hectares (ha):

Area, in hectares (ha) as calculated from GIS boundaries

2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
EU biogeographic regionalization	Pannonic

3 - Why is the Site important?

3.1 - Ramsar Criteria and their justification

- Criterion 1: Representative, rare or unique natural or near-natural wetland types

Other ecosystem services provided

Gemenc is a typical middle Danube floodplain. Considering its size and close to natural status it has a special value because it supports the species richness of the river Danube and its floodplain communities.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

Gemenc supports populations of plant and animal species important for maintaining the biological diversity in the Pannonic biogeographic region (as listed under Criterion 2).

- Criterion 4 : Support during critical life cycle stage or in adverse conditions

- Criterion 8 : Fish spawning grounds, etc.














Justification




































Gemenc is an important spawning and nursery ground for different fish species.






































3.2 - Plant species whose presence relates to the international importance of the site





<no data available>

3.3 - Animal species whose presence relates to the international importance of the site

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA/ ACTINOPTERYGII	<i>Acipenser ruthenus</i> 	Sterlet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				VU 	<input type="checkbox"/>	<input type="checkbox"/>		Gemenc is an important spawning and nursery ground for different fish species.
CHORDATA/ AVES	<i>Alcedo atthis</i> 	Common Kingfisher	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of the EU Birds Directive	100 pairs Gemenc supports breeding grounds and migration stopovers of threatened and strictly protected bird species
CHORDATA/ AVES	<i>Anas platyrhynchos</i> 	Mallard	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		In addition to the breeding population, the area is an important migration stopover and wintering site.
CHORDATA/ AVES	<i>Anas querquedula</i> 	Garganey	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>		The area is an important migration stopover and wintering site.
CHORDATA/ AVES	<i>Anser albifrons</i> 	Greater White-fronted Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		Non-breeding bird species. The area is an important migration stopover and wintering site.
CHORDATA/ AVES	<i>Anser anser</i> 	Greylag Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		Non-breeding bird species. The area is an important migration stopover and wintering site.
CHORDATA/ AVES	<i>Anser fabalis</i> 	Bean Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		Non-breeding bird species. The area is an important migration stopover and wintering site.

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA/ AVES	 <i>Ardea cinerea</i>	Gray Heron; Grey Heron	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	400 breeding pairs Gemenc supports breeding grounds and migration stopovers of threatened and strictly protected bird species	
CHORDATA/ AVES	 <i>Aythya ferina</i>	Common Pochard	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	In addition to the breeding population, the area is an important migration stopover and wintering site.	
CHORDATA/ AVES	 <i>Aythya nyroca</i>	Ferruginous Duck	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				NT 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Annex I of the EU Birds Directive 3-5 pairs Gemenc supports breeding grounds and migration stopovers of threatened and strictly protected bird species. In addition to the breeding population, the area is an important migration stopover and wintering site.	
CHORDATA/ MAMMALIA	 <i>Barbastella barbastellus</i>	Barbastelle bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				NT 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive	
CHORDATA/ AMPHIBIA	 <i>Bombina orientalis</i>	Fire-bellied toad	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II and IV of the EU Habitats Directive	
CHORDATA/ AVES	 <i>Bucephala clangula</i>	Common Goldeneye	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Non-breeding bird species. The area is an important migration stopover and wintering site.	
CHORDATA/ MAMMALIA	 <i>Castor fiber</i>	Eurasian Beaver	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II and IV of the EU Habitats Directive	
CHORDATA/ AVES	 <i>Ciconia nigra</i>	Black Stork	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of the EU Birds Directive 35-40 breeding pairs, 400-500 on migration Gemenc supports breeding grounds and migration stopovers of threatened and strictly protected bird species	
CHORDATA/ ACTINOPTERYGII	 <i>Cyprinus carpio</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				VU 	<input type="checkbox"/>	<input type="checkbox"/>	Gemenc is an important spawning and nursery ground for different fish species.	
CHORDATA/ AVES	 <i>Dryocopus martius</i>	Black Woodpecker	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of the EU Birds Directive 50-60 breeding pairs Gemenc supports breeding grounds and migration stopovers of threatened and strictly protected bird species	
CHORDATA/ REPTILIA	 <i>Emys orbicularis</i>	European pond turtle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	Annex II and IV of the EU Habitats Directive	
CHORDATA/ MAMMALIA	 <i>Eptesicus serotinus</i>	serotine; Common Serotine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex IV Habitat Directive	
CHORDATA/ ACTINOPTERYGII	 <i>Esox lucius</i>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Gemenc is an important spawning and nursery ground for different fish species.	
CHORDATA/ CEPHALASPIDOMORPHI	 <i>Eudontomyzon mariae</i>	Ukrainian Brook Lamprey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive Gemenc is an important spawning and nursery ground for different fish species.	
CHORDATA/ AVES	 <i>Falco cherrug</i>	Saker Falcon	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				EN 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Annex I of the EU Birds Directive 1 breeding pairs Gemenc supports breeding grounds and migration stopovers of threatened and strictly protected bird species	
CHORDATA/ MAMMALIA	 <i>Felis silvestris</i>	Wildcat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex IV of the EU Habitats Directive	
CHORDATA/ ACTINOPTERYGII	 <i>Gymnocephalus baloni</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II and IV of the EU Habitats Directive Gemenc is an important spawning and nursery ground for different fish species.	
CHORDATA/ ACTINOPTERYGII	 <i>Gymnocephalus schraetser</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive Gemenc is an important spawning and nursery ground for different fish species.	

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			2	4	6	9	3	5	7	8								
CHORDATA/ AVES	<i>Haliaeetus albicilla</i> 	White-tailed Eagle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Annex I of the EU Birds Directive	15 breeding pairs, 60 wintering Gemenc supports breeding grounds and migration stopovers of threatened and strictly protected bird species
CHORDATA/ ACTINOPTERYGII	<i>Leuciscus aspius</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive	Gemenc is an important spawning and nursery ground for different fish species.	
CHORDATA/ MAMMALIA	<i>Lutra lutra</i> 	European Otter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			NT 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex II and IV of the EU Habitats Directive		
CHORDATA/ AVES	<i>Mergellus albellus</i> 	Smew	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of the EU Birds Directive	Non-breeding bird species. The area is an important migration stopover and wintering site.	
CHORDATA/ AVES	<i>Mergus merganser</i> 	Common Merganser	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>		Non-breeding bird species. The area is an important migration stopover and wintering site.	
CHORDATA/ AVES	<i>Milvus migrans</i> 	Black Kite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of the EU Birds Directive	25 breeding pairs Gemenc supports breeding grounds and migration stopovers of threatened and strictly protected bird species	
CHORDATA/ ACTINOPTERYGII	<i>Misgurnus fossilis</i> 	Weatherfish	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive	Gemenc is an important spawning and nursery ground for different fish species.	
CHORDATA/ MAMMALIA	<i>Myotis brandtii</i> 	Brandt's bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex IV Habitat Directive		
CHORDATA/ MAMMALIA	<i>Myotis dasycneme</i> 	Pond Myotis; pond bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			NT 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive		
CHORDATA/ MAMMALIA	<i>Myotis mystacinus</i> 	Whiskered Myotis; whiskered bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex IV Habitat Directive		
CHORDATA/ MAMMALIA	<i>Myotis nattereri</i> 	Natterer's bat; Natterer's Myotis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex IV Habitat Directive		
CHORDATA/ MAMMALIA	<i>Nyctalus leisleri</i> 	Leisler's bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II Habitat Directive		
CHORDATA/ ACTINOPTERYGII	<i>Pelecus cultratus</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive	Gemenc is an important spawning and nursery ground for different fish species.	
CHORDATA/ AVES	<i>Pernis apivorus</i> 	European Honey Buzzard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of the EU Birds Directive	15 breeding pairs Gemenc supports breeding grounds and migration stopovers of threatened and strictly protected bird species	
CHORDATA/ MAMMALIA	<i>Plecotus auritus</i> 	brown big-eared bat; Brown Long-eared Bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex IV Habitat Directive		
CHORDATA/ MAMMALIA	<i>Plecotus austriacus</i> 	gray big-eared bat; Gray Long-eared Bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex IV Habitat Directive		
CHORDATA/ ACTINOPTERYGII	<i>Romanogobio alpininatus</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive	Gemenc is an important spawning and nursery ground for different fish species.	
CHORDATA/ ACTINOPTERYGII	<i>Sander lucioperca</i> 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>		Gemenc is an important spawning and nursery ground for different fish species.	
CHORDATA/ ACTINOPTERYGII	<i>Silurus glanis</i> 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			LC 	<input type="checkbox"/>	<input type="checkbox"/>		Gemenc is an important spawning and nursery ground for different fish species.	

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CHORDATA/ AMPHIBIA	<i>Triturus dobrogicus</i> 	Danube crested newt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				NT 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive		
CHORDATA/ ACTINOPTERYGII	<i>Umbra krameri</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				VU 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the EU Habitats Directive	Gemenc is an important spawning and nursery ground for different fish species.	

3.4 - Ecological communities whose presence relates to the international importance of the site

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
3130 Oligotrophic to mesotrophic standing waters	<input checked="" type="checkbox"/>	with vegetation of the Littorelletea uniflorae and/or of the Isoëto-Nanojuncetea	Annex I of the EU Habitats Directive
3150 Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation	<input checked="" type="checkbox"/>		Annex I of the EU Habitats Directive
3270 Rivers with muddy banks with Chenopodium rubri p.p. and Bidention p.. vegetation	<input checked="" type="checkbox"/>		Annex I of the EU Habitats Directive
6440 Alluvial meadows of river valleys of the Cnidion rubii	<input checked="" type="checkbox"/>		Annex I of the EU Habitats Directive
91E0 Alluvial forests with Alnus glutinosa and Fraxinus excelsior	<input checked="" type="checkbox"/>		Annex I of the EU Habitats Directive
91F0 Riparian mixed forests of Quercus robur, Ulmus laevis and Ulmus minor, Fraxinus excelsior or Fraxinus angustifolia,	<input checked="" type="checkbox"/>	along the great rivers	Annex I of the EU Habitats Directive

4 - What is the Site like? (Ecological character description)

4.1 - Ecological character

Forests – dominant tree species: *Quercus robur*, *Salix alba*, *Populus alba*, *Populus nigra*, *Ulmus laevis*, *Fraxinus angustifolia*, *Populus x euramericana*, *Juglans nigra*

Water bodies – permanent water coverage in the river Danube and some side branches and oxbows, seasonal/temporary water coverage in some old oxbows, marshy depressions, reedbeds, wet meadows, willow bushes and forests.

The most characteristic vegetation associations are the following:

- o Calamagrosti-Salicetum cinerea
- o Caricetum elatae
- o Scirpo-Phragmitetum
- o Hydrochari-Strationetum
- o Moinetum coeruleae
- o Perucedano-Asteretum sedifolii
- o Salvia-Festucetum rupicolae
- o Agrostio-Alopecuretum pratensis
- o Achilleo-Festucetum pseudoinae

4.2 - What wetland type(s) are in the site?

Inland wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Flowing water >> M: Permanent rivers/ streams/ creeks		3		Representative
Fresh water > Lakes and pools >> O: Permanent freshwater lakes		0		Representative
Fresh water > Lakes and pools >> P: Seasonal/ intermittent freshwater lakes		4		Representative
Fresh water > Marshes on inorganic soils >> Ts: Seasonal/ intermittent freshwater marshes/ pools on inorganic soils		2		Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		1		Representative

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
4: Seasonally flooded agricultural land				
7: Excavations				
9: Canals and drainage channels or ditches				

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Scientific name	Common name	Position in range / endemism / other
<i>Crataegus nigra</i>		
<i>Leucocjum aestivum</i>		
<i>Nymphaea alba</i>		
<i>Nymphoides peltata</i>		
<i>Sagittaria sagittifolia</i>		
<i>Salvinia natans</i>		
<i>Trapa natans</i>		

4.3.2 - Animal species

Other noteworthy animal species

Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
ANNELIDA/CLITELLATA	Hirudo medicinalis	Medicinal leech				
CHORDATA/AMPHIBIA	Hyla arborea	European tree frog				
CHORDATA/AVES	Mergus serrator	Red-breasted Merganser				
CHORDATA/MAMMALIA	Neomys anomalus	Mediterranean Water Shrew;Southern Water Shrew				
CHORDATA/MAMMALIA	Sorex araneus	Common Shrew;Eurasian Shrew				
CHORDATA/MAMMALIA	Sorex minutus	Eurasian Pygmy Shrew				

4.4 - Physical components

4.4.1 - Climate

The climate is continental, the zone is semi-arid. Precipitations mainly occur in spring and late summer. Yearly average precipitation summa is around 500-600 mm, annual mean temperature is 11 degrees Centigrade.

4.4.2 - Geomorphic setting

a) Minimum elevation above sea level (in metres)

a) Maximum elevation above sea level (in metres)

Middle part of river basin

Please name the river basin or basins. If the site lies in a sub-basin, please also name the larger river basin. For a coastal/marine site, please name the sea or ocean.

The site is on the alluvial reach of the river Danube.

4.4.3 - Soil

Mineral

Organic

Are soil types subject to change as a result of changing hydrological conditions (e.g., increased salinity or acidification)? Yes No

Please provide further information on the soil (optional)

Deep and surface layers are deposited river sediments, high proportion of sand, smaller of gravel, silt and clay. Surface morphology is characterised by dead river branches, some of which are already only temporarily flooded meadows in depressions, due to silting up. The apparent deepening of the stabilized riverbed of the Danube and sediment deposits during inundation are the most typical ongoing geomorphological processes.

4.4.4 - Water regime

Water permanence

Presence?	Changes at RIS update
Usually permanent water present	
Usually seasonal, ephemeral or intermittent water present	

Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology.

The site has very small own catchment that does not play an important role in the hydrology, nor the water quality of the floodplain. Water supply comes practically a hundred percent from Danube floodings. The site is situated on the active floodplain of the Danube river, the water regime of the branches, oxbow lakes and other backwater types depend on the main course of the river.

The hydrology is determined by that of the river Danube. Annual average flooding durability is between 50 and 60 days. Flooding occurs if water level on the Baja gauge exceeds 600 cm. The water level of the Danube on this stretch is strictly depending on the precipitation of the catchment upstream Devin (Austrian and German catchment) with high runoff rates. The difference between the lowest and highest water levels of the Danube at the Baja gauge is about 10 m.

4.4.5 - Sediment regime

Significant erosion of sediments occurs on the site

Significant accretion or deposition of sediments occurs on the site

Please provide further information on sediment (optional):

Considerable amounts of both suspended sediment and bed-load enter the floodplain during high floods, and are deposited there. This has an adverse effect because sediment deposition leads to a continuous rise of the elevation and thus to decrease of inundation frequency and durability of the floodplain. In addition, in the main riverbed of the Danube there is continuous sediment deficiency caused by river regulation, so there is erosion in the main riverbed.

4.4.6 - Water pH

Unknown

4.4.7 - Water salinity

Fresh (<0.5 g/l)

Unknown

4.4.8 - Dissolved or suspended nutrients in water

Unknown

4.4.9 - Features of the surrounding area which may affect the Site

Please describe whether, and if so how, the landscape and ecological characteristics in the area surrounding the Ramsar Site differ from the i) broadly similar ii) significantly different site itself.

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	Medium
Wetland non-food products	Timber	Medium

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Hazard reduction	Flood control, flood storage	High

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Recreational hunting and fishing	Medium
Recreation and tourism	Water sports and activities	Medium
Recreation and tourism	Nature observation and nature-based tourism	Medium

Other ecosystem service(s) not included above:

a) within the Ramsar site:
Forestry, hunting, fishing, angling, recreation, tourism.

b) in the surroundings/catchment:
Various, characterised by agriculture and aquaculture.

Hydrological values:
The area is a floodplain, the groundwater regime of which is directly dependent of the water levels of the Danube. The water levels of different observation wells follow the changes of the Danube level, the dependence is decreasing with distance from the river. The floodplain with its more than 16000 ha area plays an important role with its natural retention capacity in case of high flood waves.

Current recreation and tourism:
There is an official tourist trail across the area. There is a biking route around the site. Waterbodies are very popular for rowing. Angling is also very popular where allowed.

Have studies or assessments been made of the economic valuation of ecosystem services provided by this Ramsar Site? Yes No Unknown

4.5.2 - Social and cultural values

<no data available>

4.6 - Ecological processes

<no data available>

5 - How is the Site managed? (Conservation and management)

5.1 - Land tenure and responsibilities (Managers)

5.1.1 - Land tenure/ownership

Public ownership

Category	Within the Ramsar Site	In the surrounding area
National/Federal government	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Local authority, municipality, (sub)district, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Private ownership

Category	Within the Ramsar Site	In the surrounding area
Other types of private/individual owner(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

5.1.2 - Management authority

Please list the local office / offices of any agency or organization responsible for managing the site:

Duna-Dráva National Park Directorate

Provide the name and title of the person or people with responsibility for the wetland:

Ákos Gáborik, zoological officer

Postal address:

H-7625 Pécs, Tettye tér 9.
Hungary
Phone: +36-72-517-200, Fax: +36-72-517-201,
E-mail: DunaDrava@ddnp.kvvm.hu

E-mail address:

gaborik@ddnp.kvvm.hu

5.2 - Ecological character threats and responses (Management)

5.2.1 - Factors (actual or likely) adversely affecting the Site's ecological character

Human settlements (non agricultural)

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Tourism and recreation areas		Medium impact	<input checked="" type="checkbox"/>	No change	<input type="checkbox"/>	No change
Unspecified development		Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Drainage			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Unspecified	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Fishing and harvesting aquatic resources	Medium impact		<input checked="" type="checkbox"/>	No change	<input type="checkbox"/>	No change

Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Invasive non-native/ alien species			<input checked="" type="checkbox"/>		<input type="checkbox"/>	

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Unspecified		Medium impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Please describe any other threats (optional):

a) within the Ramsar site:
 Past: river regulation of the Danube river and flood protection of the surrounding, intensive forest management.
 Present: intensive forest management, overfishing of natural waterbodies, navigation.
 Future: development of transportation, infrastructure and increasing human pressure (resulting mainly from increasing water-related recreation and tourism).

b) in the surrounding area:
 Agricultural activities, development of transportation, infrastructure, insufficiently treated wastewater disposal in the vicinity.

5.2.2 - Legal conservation status

Regional (international) legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
EU Natura 2000	Gemenc (SPA and SCI)		whole

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Landscape Protection Area			whole
National Park			whole

5.2.3 - IUCN protected areas categories (2008)

V Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation

5.2.4 - Key conservation measures

Habitat

Measures	Status
Hydrology management/restoration	Proposed

Other:

The management plan exists in draft version only. It is not approved yet.
 Wetland restoration measures are planned (technical interventions in order to improve the water regime).

5.2.5 - Management planning

Is there a site-specific management plan for the site? In preparation

Has a management effectiveness assessment been undertaken for the site? Yes No

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning processes with another Contracting Party? Yes No

Please indicate if a Ramsar centre, other educational or visitor facility, or an educational or visitor programme is associated with the site:

There are visitors' centres, observation towers and nature trails, as well as information booklets and tourists' maps available.

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No, but a plan is being prepared

5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Water regime monitoring	Implemented
Water quality	Implemented
Plant species	Implemented
Animal species (please specify)	Implemented
Birds	Implemented

Different monitoring activities have been carried out during the past 15 years in relation to Hydrology, Bird fauna, Flora, Amphibian, Reptile and Fish fauna, Water quality, Groundwater regime. There is no field research station. The monitoring activities are carried out by different NG organizations and institutions in co-operation with the Directorate.

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Please refer to Section 6.1.2. vi. other published literature, for the full bibliography.

6.1.2 - Additional reports and documents

i. taxonomic lists of plant and animal species occurring in the site (see section 4.3)

<no file available>

ii. a detailed Ecological Character Description (ECD) (in a national format)

<no file available>

iii. a description of the site in a national or regional wetland inventory

<no file available>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<no file available>

vi. other published literature

<1 file(s) uploaded>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



The Nyéki Holt-Duna (oxbow) at Gemenc in autumn (Mr. Attila Mórocz; Duna-Dráva National Park Directorate, 02-11-2006)

6.1.4 - Designation letter and related data

Designation letter

<no file available>

Date of Designation 1997-04-30