



Ramsar Information Sheet

Published on 25 November 2015

Update version, previously published on 1 January 2008

Hungary

Szaporca



Designation date	11 April 1979
Site number	182
Coordinates	45°47'12"N 18°5'22"E
Area	289,50 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

The wetland site covers the territory of an ox-bow lake that developed naturally from the main arm of the river Drava. Before regulation of the river the site was flooded regularly. River regulation created permanent separation between the river and its former riverbed. Various wetland habitats along this fragmented riverbed represent well the different stages of biological succession.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Compiler 1

Name	Ákos Gáborik, conservation officer
Institution/agency	Duna-Dráva Nemzeti Park Directorate
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Fax	+36 72 517 219

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)	Szaporca
Unofficial name (optional)	Szaporca, Ó-Dráva meder

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

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 Ramsar Site follows the boundary of the Duna-Dráva National Park around the shoreline of the ancient riverbed of the Dráva at Szaporca. No area has been removed from the Ramsar site. The description of the site boundary is the same as in the 2006 version of the RIS, because the site is and has always been designated for the ancient riverbed (oxbow lake), not for the present riverbed or the gallery forest alongside the river Dráva. Unfortunately, an older version of the map contained, incorrectly, a stretch along the river Dráva. The boundary on the map has been better adjusted to the land parcel boundary and thus to the actual boundary of the near-natural habitats (gallery forest and oxbow lake).

2.2.2 - General location

a) In which large administrative region does the site lie?	County of Baranya
b) What is the nearest town or population centre?	South-west from town of Pécs.

2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other countries?	Yes <input type="radio"/> No <input checked="" type="radio"/>
b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party?	Yes <input type="radio"/> No <input checked="" type="radio"/>

2.2.4 - Area of the Site

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
















The Szaporca Ó-Dráva-meder (ancient riverbed of Dráva at Szaporca) is a typical example of a near-natural oxbow. Considering its close to natural status it has a special value because it supports the species richness of the river Dráva and its floodplain communities, including floating vegetation communities (Lemno-Utricularietum, Nuphareto-Castalietum)




































- Criterion 2 : Rare species and threatened ecological communities
- Criterion 4 : Support during critical life cycle stage or in adverse conditions

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

Criterion 2: This wetland has in recent years supported critically endangered species of plants and animals. This wetland complex supports the survival of endangered and vulnerable animal and plant species.

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 / AVES	 <i>Accipiter gentilis</i>	Northern Goshawk	<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"/>		The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Accipiter nisus</i>	Eurasian Sparrowhawk	<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"/>		The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Alauda arvensis</i>	Eurasian Skylark; Sky Lark	<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"/>		The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Alcedo atthis</i>	Common Kingfisher	<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"/>	Annex I of the EU Birds Directive	The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Aythya nyroca</i>	Ferruginous Duck	<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 checked="" type="checkbox"/>	Annex I of the EU Birds Directive	<i>Aythya nyroca</i> is particularly noteworthy as a breeding species in the area. Criterion 4: The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Botaurus stellaris</i>	Eurasian Bittern	<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"/>	Annex I of the EU Birds Directive	The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Buteo buteo</i>	Common Buzzard	<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"/>		2 pairs The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Ciconia ciconia</i>	White Stork	<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"/>	Annex I of the EU Birds Directive	The site shelters internationally threatened species.

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								
CHORDATA / AVES	 <i>Ciconia nigra</i>	Black Stork	<input type="checkbox"/>	<input checked="" 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	The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Circus aeruginosus</i>	Western Marsh Harrier	<input type="checkbox"/>	<input checked="" 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	1 pair The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Coturnix coturnix</i>	Common Quail	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Cuculus canorus</i>	Common Cuckoo	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		5-6 pairs The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Dendrocapos major</i>	Great Spotted Woodpecker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		6-7 pairs The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Dendrocapos minor</i>	Lesser Spotted Woodpecker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		1-2 pairs The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Dryocopus martius</i>	Black Woodpecker	<input type="checkbox"/>	<input checked="" 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	1-2 pairs The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Falco subbuteo</i>	Eurasian Hobby/Northern Hobby	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		The site shelters internationally threatened 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"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex IV of the EU Habitats Directive ; EU CITES A II ; Bern Convention Appendix II	
CHORDATA / AVES	 <i>Galerida cristata</i>	Crested Lark	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Gallinula chloropus</i>	Common Moorhen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		8-10 pairs The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Ixobrychus minutus</i>	Little Bittern	<input type="checkbox"/>	<input checked="" 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	3-4 pairs The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Locustella luscinioides</i>	Sav's Warbler	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		2-3 pairs The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Luscinia megarhynchos</i>	Common Nightingale	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		4-5 pairs The site shelters internationally threatened 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"/>				LC 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex IV and II of the EU Habitats Directive ; Bern Convention Appendix II	
CHORDATA / AVES	 <i>Merops apiaster</i>	European Bee-eater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		The site shelters internationally threatened species.
CHORDATA / AVES	 <i>Milvus migrans</i>	Black Kite	<input type="checkbox"/>	<input checked="" 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	1 pair The site shelters internationally threatened species.
CHORDATA / MAMMALIA	 <i>Myotis daubentonii</i>		<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"/>	Annex IV of the EU Habitats Directive ; EU CITES A II ; Bern Convention Appendix II	

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>Nycticorax nycticorax</i>	Black-crowned Night Heron; Black-crowned Night-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"/>	Annex I of the EU Birds Directive	The site shelters internationally threatened species.
CHORDATA / AVES	<i>Oriolus oriolus</i>	Eurasian Golden Oriole	<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"/>		2-3 pairs The site shelters internationally threatened species.
CHORDATA / AVES	<i>Picus viridis</i>	European Green Woodpecker	<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"/>		The site shelters internationally threatened species.
CHORDATA / MAMMALIA	<i>Pipistrellus pipistrellus</i>	Common Pipistrelle; common pipistrelle	<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 ; EU CITES A.III ; Bern Convention Appendix II	
CHORDATA / AVES	<i>Rallus aquaticus</i>	Water Rail	<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"/>		8-10 pairs The site shelters internationally threatened species.
CHORDATA / AVES	<i>Remiz pendulinus</i>	Eurasian Penduline Tit	<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"/>		1-2 pairs The site shelters internationally threatened species.
CHORDATA / AVES	<i>Riparia riparia</i>	Bank Swallow; Sand Martin	<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"/>		The site shelters internationally threatened species.
CHORDATA / AVES	<i>Saxicola torquatus</i>	Common Stonechat	<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"/>		1-2 pairs The site shelters internationally threatened species.
CHORDATA / AVES	<i>Sitta europaea</i>	Eurasian Nuthatch	<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"/>		3-4 pairs The site shelters internationally threatened species.
CHORDATA / AVES	<i>Strix aluco</i>	Tawny Owl	<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"/>		The site shelters internationally threatened species.
CHORDATA / AVES	<i>Sylvia communis</i>	Common Whitethroat	<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"/>		The site shelters internationally threatened species.
CHORDATA / AVES	<i>Sylvia nisoria</i>	Barred Warbler	<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"/>	Annex I of the EU Birds Directive	The site shelters internationally threatened species.
CHORDATA / AVES	<i>Tachybaptus ruficollis</i>	Little Grebe	<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"/>		4-5 pairs The site shelters internationally threatened species.
CHORDATA / AVES	<i>Tyto alba</i>	Barn Owl	<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"/>		The site shelters internationally threatened species.
CHORDATA / AVES	<i>Upupa epops</i>	Common Hoopoe; Eurasian Hoopoe	<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"/>		The site shelters internationally threatened species.

Criterion 2: This wetland has in recent years supported critically endangered species of plants and animals. This wetland complex supports the survival of endangered and vulnerable animal and

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

RIS for Site no. 182, Szaporca, Hungary

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Soft wood gallery forests (Salicetum albae-fragilis)	<input type="checkbox"/>	In botanical sense the wetland belongs to the Titelicum in Eupannonicum of the larger area of Pannonicum.	
Willowpoplar gallery forests (Saliceto-Populetum)	<input type="checkbox"/>	In botanical sense the wetland belongs to the Titelicum in Eupannonicum of the larger area of Pannonicum.	
Hard wood gallery forests (Fraxino-pannonicae-Ulmetum)	<input type="checkbox"/>	In botanical sense the wetland belongs to the Titelicum in Eupannonicum of the larger area of Pannonicum.	

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

4.1 - Ecological character

As a complex riverine ecosystem, the wetland site offers appropriate feeding and breeding sites for a diverse wildlife. Ecological processes are still complete and human interference is not significant.

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 > Lakes and pools >> O: Permanent freshwater lakes		1		Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		2		

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Scientific name	Common name	Position in range / endemism / other
<i>Carex strigosa</i>		
<i>Carpesium abrotanoides</i>		
<i>Dryopteris carthusiana</i>		
<i>Hottonia palustris</i>		
<i>Iris pseudacorus</i>		
<i>Nymphaea alba</i>		
<i>Nymphoides peltata</i>		
<i>Sagittaria sagittifolia</i>		
<i>Salvinia natans</i>		
<i>Stratiotes aloides</i>		
<i>Trapa natans</i>		
<i>Urtica kioviensis</i>		

4.3.2 - Animal species

<no data available>

4.4 - Physical components

4.4.1 - Climate

The climate is continental with the influence of Mediterranean winds.

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.

Hydrographically, the oxbows are inextricably linked to the river Dráva. The narrow left-side valley-plain of the Dráva belongs to the catchment of the site.

The wetland has no independent catchment area, it belongs to the Dráva river.

4.4.3 - Soil

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)

Soils associated with riverine ecosystems are predominant along the river Dráva flood plain (83%).
Bedrock types are usually clay or sandy clay. Its calcium carbonate content varies widely.

4.4.4 - Water regime

Water permanence

Presence?	Changes at RIS update
Usually permanent water present	

Stability of water regime

Presence?	Changes at RIS update
Water levels fluctuating (including tidal)	No change

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

According to the hydrographical classification the site is moderately wet with surplus water. River Dráva may flood the area in summer and in autumn, however, the area is characterised by relatively low water in winter. Local watercourses usually carry much water at the beginning of summer.

Water supply is managed through sluices that are connected to the river Dráva.

4.4.5 - Sediment regime

<no data available>

4.4.6 - Water pH

Unknown

4.4.7 - Water salinity

Fresh (<0.5 g/l)

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 site itself. i) broadly similar ii) significantly different

Please describe other ways in which the surrounding area is different:

The immediate surroundings of the site are the former floodplain of the Drava river is formed from alluvial sediments (mostly sand and clay). The general land use is agriculture, around the site there are large arable lands.

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Wetland non-food products	Livestock fodder	Medium

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	High

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Scientific and educational	Educational activities and opportunities	Medium
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	Medium
Scientific and educational	Major scientific study site	Medium

Other ecosystem service(s) not included above:

a) within the Ramsar site:

Arable land: 84 ha; Grassland: 30 ha; Marshland: 52 ha; Forest: 62 ha; Fallow: 10 ha; Other: 17 ha.
Total: 257 ha

b) in the surroundings/catchment: ploughlands, hay production, other agricultural activities.

Within the site: 100s

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
Local authority, municipality, (sub)district, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Private ownership

Category	Within the Ramsar Site	In the surrounding area
Cooperative/collective (e.g., farmers cooperative)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other types of private/individual owner(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Provide further information on the land tenure / ownership regime (optional):

a) within the Ramsar site:

167 ha, Duna-Dráva National Park Directorate 57 ha, private 29 ha, other 4 ha

b) in the surrounding area:

Cooperative farms or privately owned

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, Tetteye tér 9.
Hungary
Phone: +36 72 517 200
fax: +36 72 517 219

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

Water regulation

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

Natural system modifications

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

Pollution

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

Please describe any other threats (optional):

a) within the Ramsar site:

Water regulation carried out between 1986-1990 had a negative impact on the wetland site. There is a strong pressure of anglers on the wetland especially at Lake Kisinci. Due to the draining *Solidago canadensis* and *Cercis siliquastrum* are spreading in the site.

b) in the surrounding area:

Intensified agricultural activities in the surroundings resulted in decline of water quality.

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	Kelet-Dáva (SCI)		whole

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
national park	Duna-Dráva 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

Human Activities

Measures	Status
Regulation/management of recreational activities	Implemented

Other:

Fishing with nets is prohibited in the area. Angling is allowed only from the shores, outside the breeding season and with restrictions.

Conservation measures proposed but not yet implemented:

The oxbow can only be preserved by intermittent water recharges from the river Dráva. This is becoming increasingly more difficult as the regulation of the river has resulted in deepening of the riverbed. It is of utmost importance to establish a thin culvert connecting the river with the oxbow.

Due to vegetation succession, the habitats and species diversity are declining at an increasing rate. Succession will lead to the swamp being overgrown with shrubs and riparian forests, and eventually the wetland habitat may rapidly disappear, as it has happened with numerous remnant oxbows along the river Dráva. The first step of restoration is provision of water supply. Next, the surrounding 'ameliorated' agricultural lands will have to be converted to grasslands. The riparian zone will have to be converted to softwood gallery woodland.

In the long term, all arable lands within the horseshoe-shaped oxbow bed will have to be eliminated, and areas with favourable water conditions will have to be forested with near-natural stands. Chemical use in the surrounding area will have to be eliminated, as the seepage affects wildlife and accelerates the silting process. Grazing in the wooded pastures nearby is not solved presently; state support is needed to maintain livestock and promote traditional land use forms.

There are plans to refill the water level two times a year from Fekete-víz, the works will start in fall of 2013 and be finished spring of 2014.

5.2.5 - Management planning

Is there a site-specific management plan for the site? No

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:

Trips are organised to demonstrate the values and functions of the wetland by the Duna-Dráva National Park Directorate.

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? Please select a value

5.2.7 - Monitoring implemented or proposed

<no data available>

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Á, Uherkovich (eds., 1995): The fauna of the Drava region I. Studia Pannonica (A) Series HistoricoNaturalis in Hungarian, Baranya Megyei Múzeumok Igazgatósága, Pécs

Á, Uherkovich (eds., 1998): The fauna of the Drava region II. Studia Pannonica (A) Series HistoricoNaturalis in Hungarian, Baranya Megyei Múzeumok Igazgatósága, Pécs

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

<no file available>

<no data available>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



The old riverbed of the Dráva River at Szaporca in summer (Mr. Attila Kontós ; Duna-Dráva National Park Directorate, 08-07-2013)

6.1.4 - Designation letter and related data

Designation letter

<no file available>

Date of Designation 1979-04-11