



Ramsar Information Sheet

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Ukraine

Dnipro River Delta



Designation date	23 November 1995
Site number	767
Coordinates	46°33'15"N 32°27'12"E
Area	34 425,83 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 Site is represented by the Dnipro River Delta, 47 km long, and has all characteristics typical for delta complexes of large European rivers. It is a multi-branched section of the river that encompasses bedrock banks, water bodies and watercourses alternating with marshy reed beds. 34% of the area is covered by water bodies, 13% of which are watercourses and 21% are other bodies of water. In total, the delta encloses circa 50 watercourses of large and average size and 104 water bodies with the water surface exceeding 103 km². The wetland also includes bogs, floodplain forests, a complex of lakes, sand dunes, etc.

The Site supports species included in the Red Data Book of Ukraine, the IUCN Red List, appendixes of Bern Convention. In particular, there are 376 species of invertebrates recorded, 68 of which are included in the Red Data Book of Ukraine. *Acipenser ruthenus*, *A. gueldenstaedtii colchicus*, *A. stellatus ponticus*, *Huso huso ponticus*, *Leuciscus leuciscus*, *Chalcalburnus chalcogenides*, *Vimba vimba carinata*, etc. use the Site as spawning and fattening grounds. The territory is important for the conservation of *Mustela lutreola*, *Lutra lutra*, *Nyctalus leisleri*, *Neomys anomalus*, *Haliaeetus aldicilla*, *Plegadis falcinellus*, *Ardeola ralloides*

The wetland supports plants included in the Red Data Book of Ukraine such as *Aldrovanda vesiculosa*, *Nymphoides peltata*, *Epipactis palustris*, *Anacamptis palustris*, *Salvinia natans*, *Trapa natans* s. l. [8, 12]. High diversity of habitats and relative remoteness from agrolandscapes have contributed to the formation of a powerful nesting refuge of waterbirds. Among the rarest species, breeding in the site, are *Plegadis falcinellus*, *Bucephala clangula*, *Anas strepera*, *Aythya nyroca*, *Haliaeetus albicilla*. The site hosts the largest polyspecies colonies of *Ciconiiformes* and *Pelecaniformes* in the region. Shallow water bodies with sufficient forage resources, protected from winds and storms, attract birds during moult and migration periods. Thus, during the autumn migration (according to the monitoring data of 2012-2017) the site holds concentrations comprising up to 30,000 ind. of waterbirds. Rivers in the floodplain forests with dense underbrush are used as migratory areas by forest species of birds.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Responsible compiler

Institution/agency	Lower Dnipro National Nature Park
Postal address	18 Petrenko St., Kherson, Ukraine, 73000

National Ramsar Administrative Authority

Institution/agency	Ministry of Environmental Protection and Natural Resources of Ukraine
Postal address	35 Mytropolyta Vasylya Lypkivskogo Str.

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

From year	2016
To year	2018

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Dnipro River Delta
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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) The boundary has been extended	<input type="checkbox"/>
(Update) The boundary has been restricted	<input 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"/>
(Update) The Site area has increased because of a boundary extension	<input type="checkbox"/>
(Update) The Site area has decreased because of a boundary restriction	<input type="checkbox"/>
(Update) For secretariat only. This update is an extension	<input 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?	Not evaluated
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2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image
<2 file(s) uploaded>

Former maps	0
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Boundaries description

The Site is located in the northern part of the Black Sea region, within Oleshki, Hola Prystan and Bilozerka districts, to the south-west from the city of Kherson. The Site covers almost the entire territory of the Dnieper delta below the bridge from Kherson to Oleshky (Tsiurupynsk) up to the line between Sofiivka and Rybalche in Dnipro-Buh Liman (estuary). In 2018 the boundaries of the Site was delineated more accurately increasing the total area by 8,426 ha and officially approved by Ukrainian Governance in 2021. The area was calculated based on the Land Cadastral Map of Ukraine using GIS tools.

2.2.2 - General location

a) In which large administrative region does the site lie?	Kherson Region
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b) What is the nearest town or population centre?

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

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	Steppic

Other biogeographic regionalisation scheme

According to biogeographical zoning of Ukraine, the territory of the Lower Dnipro National Natural Park and the wetland "Dnipro River Delta" is located in Oleshki biogeographical region of the Lower Dnipro-Azov Sea district of the Lower Danube-Black Sea-Azov Sea sub-province of the Pontic province of the Steppe zone.

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

Hydrological services provided

The Site "Dnipro River Delta" plays a significant hydrological, biological and ecological role in the natural functioning of the large river basin and riparian ecosystems of the Dnipro River. The Site contains circa 50 large watercourses and more than 180 water bodies with the water surface exceeding 103 km². The Site plays an important role in self-purification of the water owing to large massifs of high aquatic vegetation. Floodplain lakes and channels contribute to the formation of microclimate and accumulate water during the arid season, thus supporting the survival of wetland species. The Site also serves as a barrier which limits penetration of brackish waters from the Dnipro-Buh Liman in the upstream area. These functions favour the conservation of typical freshwater species in the middle and upper areas of the Site.

Other ecosystem services provided

The Site is actively used for tourism and recreation, primarily for amateur fishing and summer holidays. Commercial fish catching is also practiced there.

Other reasons

A significant number of channels, floodplain lakes and shallows covered with water vegetation provide important spawning grounds for a lot of phytophilous indigenous fish species. The islands, distanced from settlements and anthropogenic impact, provide breeding habitats for colonial species of birds.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

In total, about 250 species of vascular plants, 200 species of birds, 40 species of mammals and 60 species of fish are recorded within the site.
 Typical animal species of floodplain habitats of the Site are *Castor fiber* and *Lutra lutra*, which number have greatly increased in the last years. There can be also found *Mustela lutreola*, *Mustela erminea*, *Cricetulus migratorius*, *Neomys anomalus*, *N. fodiens*, *Arvicola amphibius*, *Sorex minutus*, *S. araneus*, *Crociodura suaveolens*, *C. leucodon*, *Micromys minutus*. Among mammals, *Sus scrofa* and *Capreolus capreolus* are widespread.
 Many waterbirds breed there or use the area as a migratory stopover. Main breeding areas are represented by floodplain forests and reedbeds. The most valuable breeding area is the widest part of the Dnipro mouth. The total number of the breeding avian community constitute 6,000-8,000 pairs. Seasonal concentrations, which include up to 14,000 ind. mostly locate on the floodplain lakes. The most numerous breeding birds are *Phalacrocorax carbo*, *Ardea cinerea*, *Egretta alba*, *Fulica atra*, *Podiceps cristatus*. Floodplain lakes are favourite areas of seasonal gatherings of birds. The most numerous are *Fulica atra*, *Anas platyrhynchos*, *Phalacrocorax carbo*, *Aythya ferina*, *A. fuligula*.
 Main part of the aquatic faunal diversity belongs to five faunal complexes: tertiary plain freshwater complex; boreal plain complex; Ponto-Caspian freshwater complex; Ponto-Caspian marine and Chinese plain complex. The dominants are mostly freshwater semi-anadromous and lake species.

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

- Criterion 5 : >20,000 waterbirds

Overall waterbird numbers 22000

Start year

Source of data:

Criterion 7 : Significant and representative fish

Justification

Ichthyofauna of the wetland "Dnipro River Delta" include circa 60 species of fish. The dominants are mostly freshwater semi-anadromous and lake species.
 The Dnipro River Delta is used for spawning and fattening by 16 species of fish, protected under the Red Data Book of Ukraine, Bern Convention (II and III), IUCN Red List and CITES (II).
 A great variety of habitats (fresh, brackish, marine) with the different hydrological regimes (from stagnant to fast-flowing), densely overgrown and completely deprived of vegetation along with their considerable sizes have determined a high biological diversity and high density of ichthyofauna. The most common species of the Site are *Carassius gibelio*, *Abramis brama*, *Vimba vimba* *Hipophthalmichtis molitrix*, *Lucioperca lucioperca*, *Cyprinus carpio*, *Rhodeus sericeus* *Silurus glanis*, *Aspius aspius*, *Perca fluviatilis*, *Blicca bjoerkna*, *Rutilus rutilus*, *Scardinius erythrophthalmus*, *Esox lucius*. Rare and threatened species are *Huso huso*, *Acipenser nudiiventris*, *A. sturio*, *A. ruthenus*, *Chalcalburnus chalcoides*.

Criterion 8 : Fish spawning grounds, etc.

Justification

This Site provides valuable spawning grounds for many freshwater fish species, part of them are commercially important (*Abramis brama*, *Blicca bjoerkna*, *Cyprinus carpio*, *Esox lucius*, *Leuciscus idus*, *Perca fluviatilis*, *Rutilus rutilus*, *Scardinius erythrophthalmus*, *Silurus glanis*, *Tinca tinca*, etc).

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

Phylum	Scientific name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
Plantae								
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Aldrovanda vesiculosa</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EN	<input type="checkbox"/>	listed in the Red Data Book of Ukraine – EN, appendix I of Bern convention	
TRACHEOPHYTA/ LILIOPSIDA	<i>Anacamptis palustris</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input checked="" type="checkbox"/>	listed in the Red Data Book of Ukraine - LC	
TRACHEOPHYTA/ LILIOPSIDA	<i>Epipactis palustris</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input checked="" type="checkbox"/>	listed in the Red Data Book of Ukraine - LC	
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Nymphoides peltata</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
TRACHEOPHYTA/ POLYPODIOPSIDA	<i>Salvinia natans</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	Red Data Book of Ukraine - VU, appendix I of Bern convention	
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Trapa natans</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	Red Data Book of Ukraine - VU, appendix I of Bern convention	

Aldrovanda vesiculosa - the species is characterized by drastic changes in the number between years, depending on average annual temperatures in summer months. In years with cold rainy summers it can stay in a latent form as turions. In favourable yeas, the population density reaches 20-30 ind./1 m2.

Numphoides peltata - occurs sporadically, forms numerus dense populations in some water bodies.

Epipactis palustris - populations are numerous, dense, age structure include representatives of all ages, percentage of juveniles is high.

Anacamptis palustris - populations are scanty. Generative and adult vegetative individuals dominate.

Salvinia natans - the species forms thick colonies within the site, with an area up to 800-1,000 m2, density 100-1200 ind./m2.

Trapa natans - in some water bodies of the site the species forms numerous populations covering an area up to several ha, density 1,500-2,500 ind./100 m2.

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

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
Others																	
ANNELIDA / CLITELLATA	<i>Archaeobdella esmonti</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine – VU	
CHORDATA / REPTILIA	<i>Emys orbicularis</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>		
ANNELIDA / CLITELLATA	<i>Hirudo medicinalis</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				NT	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine – VU	
CHORDATA / MAMMALIA	<i>Lutra lutra</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				NT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NE, Bern - II	
CHORDATA / MAMMALIA	<i>Meles meles</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / MAMMALIA	<i>Microtus arvalis</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / MAMMALIA	<i>Mustela lutreola</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				CR	<input type="checkbox"/>	<input type="checkbox"/>	Bern - II, Red Data Book of Ukraine-EN	
CHORDATA / MAMMALIA	<i>Neomys anomalus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Bern (II), Red Data Book of Ukraine – Rare	
CHORDATA / MAMMALIA	<i>Nyctalus leisleri</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - LC, Appendix II of Bern Convention	
CHORDATA / MAMMALIA	<i>Sus scrofa</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / MAMMALIA	<i>Talpa europaea</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / MAMMALIA	<i>Vulpes vulpes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
Fish, Mollusc and Crustacea																	
CHORDATA / ACTINOPTERYGII	<i>Abramis brama</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / ACTINOPTERYGII	<i>Acipenser gueldenstaedtii</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				CR	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - VU	
CHORDATA / ACTINOPTERYGII	<i>Acipenser ruthenus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				VU	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - EN	
CHORDATA / ACTINOPTERYGII	<i>Acipenser stellatus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				CR	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - EN	
CHORDATA / ACTINOPTERYGII	<i>Alburnus chalcoides</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / ACTINOPTERYGII	<i>Alburnus sarmaticus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				EN	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine – VU	
CHORDATA / ACTINOPTERYGII	<i>Blicca bjoerkna</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / ACTINOPTERYGII	<i>Carassius carassius</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - EN	

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
CHORDATA/ ACTINOPTERYGII	<i>Cyprinus carpio</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				VU	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Esox lucius</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
ARTHROPODA/ MALACOSTRACA	<i>Hemimysis anomala</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine – CR	
CHORDATA/ ACTINOPTERYGII	<i>Huso huso</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				CR	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA/ ACTINOPTERYGII	<i>Hypophthalmichthys molitrix</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				NT	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Leuciscus aspius</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Leuciscus idus</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Leuciscus leuciscus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine – VU	
CHORDATA/ ACTINOPTERYGII	<i>Perca fluviatilis</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Rhodeus sericeus</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Rutilus rutilus</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Sander lucioperca</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Scardinius erythrophthalmus</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Silurus glanis</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	<i>Tinca tinca</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
MOLLUSCA/ GASTROPODA	<i>Turricaspa lincta</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine – LC	
CHORDATA/ ACTINOPTERYGII	<i>Vimba vimba</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		
Birds																	
CHORDATA/ AVES	<i>Accipiter gentilis</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25	2012–2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in appendix II of Bern convention	
CHORDATA/ AVES	<i>Anas crecca</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	50	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ AVES	<i>Anas penelope</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	300	2012-2017			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - LC	
CHORDATA/ AVES	<i>Anas platyrhynchos</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5000			LC	<input type="checkbox"/>	<input type="checkbox"/>		The land supports this species for nesting and migration.
CHORDATA/ AVES	<i>Anas querquedula</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	400	2012–2018			<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ AVES	<i>Ardea alba</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	80	2012–2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The land supports this species for nesting and migration.
CHORDATA/ AVES	<i>Ardea alba</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	80	2012–2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ AVES	<i>Ardea cinerea</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	300	2012–2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports this species for nesting and migration.
CHORDATA/ AVES	<i>Ardea purpurea</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	2012–2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in appendix II of Bern convention	
CHORDATA/ AVES	<i>Ardeola ralloides</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in appendix II of Bern convention	
CHORDATA/ AVES	<i>Asio flammeus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30	2012-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	Bern-II; CITES-II; Red Data Book of Ukraine-Rare	

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
CHORDATA/AVES	<i>Aythya ferina</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	2012-2017		VU	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Red Data Book of Ukraine - VU	
CHORDATA/AVES	<i>Aythya fuligula</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5000			LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports this species during migrations.
CHORDATA/AVES	<i>Aythya nyroca</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40	2012-2017		NT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Red Data Book of Ukraine - VU	
CHORDATA/AVES	<i>Botaurus stellaris</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40	2012–2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in appendix II of Bern convention	
CHORDATA/AVES	<i>Bucephala clangula</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40	2012-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine-Rare	
CHORDATA/AVES	<i>Buteo buteo</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25	2012–2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in appendix II of Bern convention	
CHORDATA/AVES	<i>Egretta garzetta</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40	2012–2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in appendix II of Bern convention	
CHORDATA/AVES	<i>Fulica atra</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1800			LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports this species for nesting and migration.
CHORDATA/AVES	<i>Haematopus ostralegus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	2012-2017		NT	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine-VU	
CHORDATA/AVES	<i>Haliaeetus albicilla</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	35	2012-2017		LC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Red Data Book of Ukraine-Rare	
CHORDATA/AVES	<i>Ixobrychus minutus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	500	2012–2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in appendix II of Bern convention	
CHORDATA/AVES	<i>Nycticorax nycticorax</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	200	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in appendix II of Bern convention	
CHORDATA/AVES	<i>Phalacrocorax carbo</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10000			LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports this species for nesting and migration.
CHORDATA/AVES	<i>Plegadis falcinellus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine – VU	
CHORDATA/AVES	<i>Podiceps cristatus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	800			LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports this species for nesting and migration.
CHORDATA/AVES	<i>Tadorna ferruginea</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40	2012-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine-VU	

1) Percentage of the total biogeographic population at the site

The islands are inhabited by small mammals, their species composition and number is higher than in riparian habitats. Six species are recorded: *Microtus rossiaemeridionalis*, *Microtus socialis*, *Apodemus uralensis*, *Apodemus agrarius*, *Mus musculus*, *Rattus norvegicus*. The scanty species in the site is *Mustela erminea*, which chiefly occurs in reedbeds. It is recorded in human settlements of the region. Through habitats, located along a wide network of irrigation canals and fishponds, it has also penetrated in steppe regions of southern Ukraine. In the last 5-7 years its number in the Dnipro reedbeds is slowly decreasing.

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
Community of <i>Aldrovandeta vesiculosae</i>	<input checked="" type="checkbox"/>	Rare association type of dominants. Dominant- <i>Aldrovanda vesiculosa</i> , included in Red Data Book of Ukraine, Bern Convention (I) .	Green Data Book of Ukraine (status of communities: endangered, restoration potential: weak)

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Community of <i>Trapa natans</i>)	<input checked="" type="checkbox"/>	Common and rare association types of dominant species. Dominant is <i>Trapa natans</i> and a co-dominant - <i>Salvinia natans</i> , included in Red Data Book of Ukraine та Bern Convention (I) . Co-dominant- <i>Nymphoides peltata</i> , included in Red Data Book of Ukraine.	Green Data Book of Ukraine (status of communities: typical, restoration potential: satisfactory)
Community of <i>Nupharetta luteae</i>	<input checked="" type="checkbox"/>	Common association type of dominant species. Co-dominants - <i>Trapa natans</i> , <i>Nymphoides peltata</i> , <i>Salvinia natans</i> , included in Red Data Book of Ukraine. <i>Trapa natans</i> and <i>Salvinia natans</i> are also included in the Bern Convention (I) .	Green Data Book of Ukraine (status of communities: typical, restoration potential: satisfactory)
Community of <i>Nymphaeeta albae</i>	<input checked="" type="checkbox"/>	Common association type of dominant species. Co-dominants - <i>Trapa natans</i> , <i>Nymphoides peltata</i> , <i>Salvinia natans</i> , included in Red Data Book of Ukraine. <i>Trapa natans</i> and <i>Salvinia natans</i> are also included in the Bern Convention (I) .	Green Data Book of Ukraine (status of communities: rare, restoration potential: satisfactory). Botanic-geographical value: dominant species within the range.
Community of <i>Nymphoideta peltatae</i>	<input checked="" type="checkbox"/>	Rare association type of dominant of main and subdivided layers. Dominant- <i>Nymphoides peltata</i> , included in Red Data Book of Ukraine. Co-dominants - <i>Marsilea quadrifolia</i> , <i>Salvinia natans</i> , included in the Red Data Book of Ukraine and Bern Convention (I)	Green Data Book of Ukraine (status of communities: rare, restoration potential: satisfactory).
Community of <i>Salvinietta natans</i>	<input checked="" type="checkbox"/>	Common association type of dominant species. Dominant - <i>Salvinia natans</i> , included in the Red Data Book of Ukraine, Bern Convention (I) .	Green Data Book of Ukraine (status of communities: typical, restoration potential: satisfactory). Dominant species within the range.
C1.222 - Floating <i>Hydrocharis morsus-ranae</i> rafts	<input checked="" type="checkbox"/>	Free-floating surface communities of Palaearctic waters rich in <i>Hydrocharis morsus-ranae</i> .	Listed in Resolution 4 of Bern Convention
C1.223 - Floating <i>Stratiotes aloides</i> rafts	<input checked="" type="checkbox"/>	Free-floating communities of Palaearctic waters dominated by <i>Stratiotes aloides</i> .	Listed in Resolution 4 of Bern Convention
C1.224 - Floating <i>Utricularia australis</i> and <i>Utricularia vulgaris</i> colonies	<input checked="" type="checkbox"/>	Free-floating communities of more or less nutrient-rich Palaearctic waters dominated by bladderworts (<i>Utricularia australis</i> , <i>Utricularia vulgaris</i>).	Listed in Resolution 4 of Bern Convention
C1.225 - Floating <i>Salvinia natans</i> mats	<input checked="" type="checkbox"/>	Free-floating communities of Central and Eastern Europe dominated by the free-floating non-indigenous fern <i>Salvinia natans</i> , often forming dense and extensive mats.	Listed in Resolution 4 of Bern Convention
C1.226 - Floating <i>Aldrovanda vesiculosa</i> communities	<input checked="" type="checkbox"/>	Rare aquatic formations of Central and Eastern Europe, dispersed from southern Brandenburg and Lake Constance east to the Ukraine, with a former outpost in eastern Lithuania, harbouring the carnivorous, free-floating <i>Droseraceae Aldrovanda vesiculosa</i>	Listed in Resolution 4 of Bern Convention

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
C1.32 - Free-floating vegetation of eutrophic waterbodies	<input checked="" type="checkbox"/>	Free-floating surface communities of more or less nutrient-rich waters, with for example <i>Lemna minor</i> , <i>Spirodela polyrhiza</i> , <i>Wolffia arrhiza</i> , <i>Salvinia natans</i> , <i>Ceratophyllum submersum</i> , <i>Stratiotes aloides</i> , and communities of <i>Hydrochariton</i> , <i>Utricularia</i>	Listed in Resolution 4 of Bern Convention
C1.33 - Rooted submerged vegetation of eutrophic waterbodies	<input checked="" type="checkbox"/>	Formations of water bodies constituted by submerged, rooted, perennial phanerogams with often emerging flower spikes, in particular entirely immersed pondweeds of genus <i>Potamogeton</i> .	Listed in Resolution 4 of Bern Convention
C1.3411 - <i>Ranunculus</i> communities in shallow water	<input checked="" type="checkbox"/>	Communities dominated by water crowfoots, <i>Ranunculus</i> sp. with both submerged and floating leaves, characteristic mostly of shallow Palaearctic waters with fluctuating water levels, susceptible to occasional drying.	Listed in Resolution 4 of Bern Convention
C1.3413 - <i>Hottonia palustris</i> beds in shallow water	<input checked="" type="checkbox"/>	Communities of shallow Palaearctic waters dominated by <i>Hottonia palustris</i> .	Listed in Resolution 4 of Bern Convention
C2.34 - Eutrophic vegetation of slow-flowing rivers	<input checked="" type="checkbox"/>	Euhydrophyte communities of Palaearctic streams rich in nutrients	Listed in Resolution 4 of Bern Convention
C2.33 - Mesotrophic vegetation of slow-flowing rivers	<input checked="" type="checkbox"/>	Euhydrophyte communities of Palaearctic streams moderately rich in nutrients	Listed in Resolution 4 of Bern Convention
C3.51 - Euro-Siberian dwarf annual amphibious swards	<input checked="" type="checkbox"/>	Dwarf oligo-mesotrophic annual communities of recently emerged muds and sands of the nemoral, boreonemoral and boreal regions. Terrestrial forms of amphibious species and annual species are frequent.	Listed in Resolution 4 of Bern Convention
D5.2 - Beds of large sedges normally without free-standing water	<input checked="" type="checkbox"/>	Terrestrialized stands of tall <i>Carex</i> , <i>Cladium</i> and <i>Cyperus</i> , usually species-poor and often dominated by one species, growing on waterlogged ground. These species also grow as emergents and fringing vegetation beside water bodies	Listed in Resolution 4 of Bern Convention
E1.9 - Open non-Mediterranean dry acid and neutral grassland, including inland dune grassland	<input checked="" type="checkbox"/>	Open grassland, often with therophytes, of the nemoral, boreonemoral and submediterranean zones, developed on raw non-calcareous soils, especially on inland dunes and fixed sands.	Listed in Resolution 4 of Bern Convention
E3.4 - Moist or wet eutrophic and mesotrophic grassland	<input checked="" type="checkbox"/>	Wet eutrophic and mesotrophic grasslands and flood meadows of the boreal and nemoral zones, dominated by grasses Poaceae, rushes <i>Juncus</i> spp. or club-rush <i>Scirpus sylvaticus</i> .	Listed in Resolution 4 of Bern Convention

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
E5.4 - Moist or wet tall-herb and fern fringes and meadows	<input checked="" type="checkbox"/>	Tall-herb and fern vegetation of the nemoral and boreal zones, including stands of tall herbs on hills and mountains below the montane level. Tall herbs are often dominant along watercourses, in wet meadows and in shade at the edge of woodlands.	Listed in Resolution 4 of Bern Convention
F9.1 - Riverine scrub	<input checked="" type="checkbox"/>	Scrub of broad-leaved willows, e.g. <i>Salix</i> sp.	Listed in Resolution 4 of Bern Convention
G1.11 - Riverine <i>Salix</i> woodland	<input checked="" type="checkbox"/>	<i>Salix</i> spp. scrub or arborescent formations, lining flowing water and submitted to periodic flooding, developed on recently deposited alluvion.	Listed in Resolution 4 of Bern Convention
G1.3 - Mediterranean riparian woodland	<input checked="" type="checkbox"/>	Alluvial forests and gallery woods of the mediterranean region. Dominance may be of a single species, of few species or mixed with many species including <i>Fraxinus</i> , <i>Liquidambar</i> , <i>Platanus</i> , <i>Populus</i> , <i>Salix</i> , <i>Ulmus</i> . Excludes mediterranean <i>Salix</i> woods	Listed in Resolution 4 of Bern Convention
X35 - Inland Sand Dunes	<input checked="" type="checkbox"/>	Sand bodies of eolian origin, possessing constructional relief and separated from the coast and its dune cordons by nondunal habitats, developed within the boreal, nemoral, steppic, warm - temperate humid, mediterranean or subdesert steppe zones.	Listed in Resolution 4 of Bern Convention

[Optional text box to provide further information](#)

The Site "Dnipro River Delta" is a central part of the Lower Dnipro floodplain. Aquatic, boggy, meadow, scrub, tree and halophytic vegetation can be found. Aquatic vegetation is widespread and diverse. Common classes of vegetation are Lemnetaea (representatives - *Hydrocharis morsus-ranae*, *Lemna gibba*, *L. minor*, *L. trisulca*, *Salvinia natans*, *Spirodella polyrhiza*) and Potametea (*Ceratophyllum demersum*, *Elodea canadensis*, *Myriophyllum spicatum*, *M. verticillatum*, *Potamogeton compressus*, *P. crispus*, *P. lucens*, *P. perfoliatus*, *Utricularia vulgaris*). Boggy communities occupy almost half of the Site and, if taken together with aquatic communities, they cover 80.0% of the area. The main dominant of boggy massifs of the lower Dnipro is *Phragmites australis*. In addition, the dominants of grassy bogs can be *Typha angustifolia* and *T. latifolia*, as well as representatives of the genus *Carex* sp.div. (e.g. *Carex acutiformis* and *C. riparia*.)

The tree-scrub vegetation is widely represented in the site. The most common species are *Salix alba*, *Populus nigra*, *Alnus glutinosa*. The thickets of *Salix cinerea* and *S. Triandra* are also abundant.

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

4.1 - Ecological character

The Dnipro River Delta is an ecotonic zone of the river-sea type and characterized by a high diversity of species and coenoses. There is a mosaic of delta branches, lakes, floodplain forests and areas with wetland vegetation. The Site is represented by the delta of the Dnipro River, 47 km long, connected with the Black Sea via Dnipro-Buh Liman. It has all the typical characteristics for a large European delta complex. The river network of the delta is characterized by a uniform increase in the number of watercourses from the north-east to the southwest. The largest watercourses includes the main channel of the Dnipro, divided further downstream (below Kherson City) into the Vilkhovyi and the Staryi Dnipro, and magistral branches: Koshova, Rvach, Bakai, Konka. The water bodies of the Dnipro Delta occupy more than one-fifth of the total area of the Site. The largest of them are Zburivskiy Kut, Stebliivskiy Liman, Kardashikiy Liman, lakes Bile, Bezmen, Kruhle, Krasniukove, Nizhne Solonetske, Verkhne Solonetske, Liahushache, Didovo [8].

The climate of the territory is temperate continental with mild winter (average temperatures of winter months -1° -3°C) and hot summers (average temperatures + 22-23°C, maximum - more than 40 °C). The average annual temperature in the last 5 years ranges from 11.4-11.7 °C and has a steady tendency to increase. According to the climate classification of V.P. Köppen, the climate is moderately cold with uniform humidity and hot summer (Dfa). The climate is formed under the influence of the cold continental air masses of Scandinavia and Asia, as well as warm subtropical air masses of the Mediterranean and Atlantic oceans. For the Black Sea lowland, the western transition is prevailing, which determines the nature of the cyclonic activity in the region. Cyclones, acting in the lower reaches, are mainly those from central Europe and the northern regions of Africa. The exceptions are the southern cyclones that are formed over the eastern part of the Mediterranean and the Black Sea. During their passage over the territory of southern Ukraine, they bring heavy showers, strong winds (usually of southern directions) and rising water levels caused by wind-driven phenomena on the Dnipro. The average long-term annual rainfall in the region is about 400 mm, but this amount has been increasing during the last decades. Annual evaporation from the land surface is 428 mm, highest in May-July, and lowest in January. Annual evaporation from the water surface is much higher and equals to 880-1050 mm. The wind is the most changeable characteristic of the region. In the territory of the National Park the winds of the north-eastern, eastern and south-western directions dominate [4, 8].

Dangerous hydrometeorological phenomena in the Site include strong winds and ice-hoar frost deposition. Whirlwinds occur every 5-7 years. The climate of Kherson Region is characterized by summer hot dry winds and winter thaws, which often negatively affect the floristic and faunal groups of the region in some seasons.

The territory of the Site is one of major routes to transport goods by river and sea transport. A navigation approach channel goes along the Rvach river that belongs to the waters of Kherson seaport. Countryside cottages, located on the islands of Velykiy Potiomkinskiy, Bilohrudiv and others, provide an additional significant impact on the status of the wetland.

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

Marine or coastal wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
G: Intertidal mud, sand or salt flats		2		Representative
I: Intertidal forested wetlands		1		Representative

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 >> L: Permanent inland deltas		2		Representative
Fresh water > Flowing water >> M: Permanent rivers/ streams/ creeks		3		Representative
Fresh water > Lakes and pools >> O: Permanent freshwater lakes		3		Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		2		Representative
Fresh water > Flowing water >> Y: Permanent Freshwater springs; oases		2		Representative

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type
9: Canals and drainage channels or ditches	Approach canal to Kherson seaport	2	

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Phylum	Scientific name	Position in range / endemism / other
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Nymphaea alba</i>	Included in the Red List of Kherson Region.

Invasive alien plant species

Phylum	Scientific name	Impacts	Changes at RIS update
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Amorpha fruticosa</i>	Actual (major impacts)	increase

4.3.2 - Animal species

Invasive alien animal species

Phylum	Scientific name	Impacts	Changes at RIS update
CHORDATA/ACTINOPTERYGII	<i>Carassius gibelio</i>	Actual (major impacts)	No change
CHORDATA/MAMMALIA	<i>Nyctereutes procyonoides</i>	Actual (major impacts)	No change
CHORDATA/MAMMALIA	<i>Ondatra zibethicus</i>	Actual (major impacts)	No change

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
D: Moist Mid-Latitude climate with cold winters	Dfa: Humid continental (Humid with severe winter, no dry season, hot summer)

The climate is moderately continental, characterised by summer drought and mild winters with an annual frost-free period of 180-210 days. Snow cover may last 20-40 days in some years; however winters without snow are frequent. When it does snow, cover is generally unstable, with frequent thaws. The average July temperature is 20°C, while average January temperature is 2.5°C. Annual precipitation is 320-350 mm, occurring mainly as summer storms.

4.4.2 - Geomorphic setting

a) Minimum elevation above sea level (in metres)

a) Maximum elevation above sea level (in metres)

- Entire river basin
- Upper part of river basin
- Middle part of river basin
- Lower part of river basin
- More than one river basin
- Not in river basin
- Coastal

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.

Dnipro River with branches and channels

4.4.3 - Soil

Organic

(Update) Changes at RIS update No change Increase Decrease Unknown

No available information

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

4.4.4 - Water regime

Water permanence

Presence?	Changes at RIS update
Usually permanent water present	unknown

Source of water that maintains character of the site

Presence?	Predominant water source	Changes at RIS update
Water inputs from precipitation	<input type="checkbox"/>	unknown
Water inputs from surface water	<input checked="" type="checkbox"/>	unknown
Water inputs from groundwater	<input type="checkbox"/>	unknown

Water destination

Presence?	Changes at RIS update
Marine	No change

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:

The intensive study of the factors, affecting the functioning of the aquatic ecosystem of the Lower Dnipro in the last decade, is connected with the irreversible changes in its status caused by the construction of Kakhovka Hydropower Station-2, the enhancement of water management in the water objects of the region, and changes in research methods and ecosystem assessment according to the EU standards, etc. On the average, the maximum fluctuation of water levels within the site is 0.34 mBS, minimum is 0.46 mBs. Apart from seasonal phenomena, the water levels fluctuate due to the activity of Kakhovka Hydropower Station

4.4.5 - Sediment regime

Significant accretion or deposition of sediments occurs on the site

(Update) Changes at RIS update No change Increase Decrease Unknown

Significant transportation of sediments occurs on or through the site

(Update) Changes at RIS update No change Increase Decrease Unknown

Sediment regime unknown

(ECD) Water temperature Minimum water temperature throughout the year within the site was 4.8 °C, maximum - 27 °C.

4.4.6 - Water pH

Alkaline (pH>7.4)

(Update) Changes at RIS update No change Increase Decrease Unknown

Unknown

4.4.7 - Water salinity

Fresh (<0.5 g/l)

(Update) Changes at RIS update No change Increase Decrease Unknown

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:

Surrounding area has greater urbanisation or development

Surrounding area has higher human population density

Surrounding area has more intensive agricultural use

Surrounding area has significantly different land cover or habitat types

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

In Kherson Region there has been formed the Kherson industrial hub. The core area of it lies in Kherson cities, other key areas are Oleshki and Hola Prystan. It specializes in ship building and repairing, electrical and agricultural machine-building, textile and food (fruit and vegetable canning, meat and dairy, flour, confectionery) industries, building and construction industry. Suburban agriculture and recreational activities are highly developed as well. The recreation centres are the cities of Kherson and Hola Prystan, the village of Krynky of Tsiurupinsk District and others. Large areas in the Lower Dnipro region near Kherson are occupied by horticulture associations and countryside cottages. Settlements near the Dnipro and at the sea coast (Bilozerka, Oleksandrivka, Stanislav, Novozburivka, Zaliznyi Port) are centers of mass recreation. All these objects directly and indirectly influence on the status of wetlands.

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
Fresh water	Water for irrigated agriculture	High
Fresh water	Drinking water for humans and/or livestock	High

Regulating Services

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

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Picnics, outings, touring	High
Recreation and tourism	Recreational hunting and fishing	High
Spiritual and inspirational	Inspiration	High
Spiritual and inspirational	Cultural heritage (historical and archaeological)	High
Spiritual and inspirational	Aesthetic and sense of place values	High
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	High
Scientific and educational	Major scientific study site	High
Scientific and educational	Educational activities and opportunities	High
Scientific and educational	Long-term monitoring site	High
Scientific and educational	Type location for a taxon	High

Supporting Services

Ecosystem service	Examples	Importance/Extent/Significance
Biodiversity	Supports a variety of all life forms including plants, animals and microorganisms, the genes they contain, and the ecosystems of which they form a part	High
Soil formation	Sediment retention	Low
Soil formation	Accumulation of organic matter	Low
Nutrient cycling	Storage, recycling, processing and acquisition of nutrients	Medium
Nutrient cycling	Carbon storage/sequestration	Low
Pollination	Support for pollinators	Low

Other ecosystem service(s) not included above:

Shipping services. Movement of vessels in waters of Kherson seaports.

Within the site: 1000

Outside the site: >10000

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

i) the site provides a model of wetland wise use, demonstrating the application of traditional knowledge and methods of management and use that maintain the ecological character of the wetland

ii) the site has exceptional cultural traditions or records of former civilizations that have influenced the ecological character of the wetland

iii) the ecological character of the wetland depends on its interaction with local communities or indigenous peoples

iv) relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological character of the wetland

<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
Provincial/region/state government	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Local authority, municipality, (sub)district, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Other public ownership	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Private ownership

Category	Within the Ramsar Site	In the surrounding area
Cooperative/collective (e.g., farmers cooperative)	<input checked="" 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):

Within the wetland, which included in the Lower Dnipro National Nature Park, the use of natural resources (hunting, fish farming, fishing, grazing, hay-making, recreation, sand extraction, water transport (commercial and recreational)) is restricted and controlled. The adjacent lands are used for the mentioned purposes or for traditional agriculture (viticulture, irrigation, etc.).

The list of users and owners of lands: Kherson City Council; Bilozerka District: lands of state property (Dnipro and Rvach rivers), Bilozerske Forestry – lands of the forest fund; Hola Prystan District: Hola Prystan City Council – reserved lands of the reserve, Stara Zburivka Village Council – reserved lands, LLC "Delta-Luks" - lands of the forest fund; Tsiurupinsk District: Solontsy Village Council - lands of the forest fund, Tsiurupinsk City Council – reserved lands, state enterprise "Kherson Forestry and Hunting Economy" - lands of the forest fund.

5.1.2 - Management authority

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

The Lower Dnipro National Nature Park, Department of Ecology and Natural Resources of Kherson Regional State Administration (partly)

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

Oleksii Chachibai, director of the Lower Dnipro National Nature Park Yuri Poputko, director of the Department of Ecology and Natural Resources of Kherson Regional State Administration

Postal address:

18 Petrenko St., Kherson, Ukraine, 73000
10 Kozatskyi Provulok, Kherson, Ukraine, 73026

E-mail address:

dp-ekology@khoda.gov.ua

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
Housing and urban areas	Low impact	Low impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Commercial and industrial areas	High impact	High impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Tourism and recreation areas	Low impact	Low impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Water abstraction	Low impact	Low impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Canalisation and river regulation	High impact	High impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Dredging	Low impact	Low impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Water releases	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Agriculture and aquaculture

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Annual and perennial non-timber crops	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Energy production and mining

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Mining and quarrying	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Shipping lanes	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Roads and railroads	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Utility and service lines (e.g., pipelines)	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Hunting and collecting terrestrial animals	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Logging and wood harvesting	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Gathering terrestrial plants	Low impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Fishing and harvesting aquatic resources	Medium impact	High impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Human intrusions and disturbance

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Recreational and tourism activities	Low impact	Low impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
(Para)military activities	Low impact	Low impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Natural system modifications

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Fire and fire suppression	High impact	High impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Dams and water management/use	High impact	High impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Vegetation clearance/land conversion	High impact	High impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

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	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Household sewage, urban waste water	High impact	High impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Garbage and solid waste	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Industrial and military effluents	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Agricultural and forestry effluents	Medium impact	Medium impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

5.2.2 - Legal conservation status

Regional (international) legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Other international designation	Dniprovs'ko-Buzkyi Lyman (SiteCode: UA0000109)	https://natura2000.eea.europa.eu/Emerald/SDF.aspx?site=UA0000109	partly
Other international designation	Lower Dnipro (SiteCode: UA0000192)	https://natura2000.eea.europa.eu/Emerald/SDF.aspx?site=UA0000192	partly

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
National Nature Park	Lower Dnieper National Nature Park	http://nppn.org.ua/	partly

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	Dnipro delta	http://datazone.birdlife.org/site/factsheet/2051	whole

5.2.3 - IUCN protected areas categories (2008)

- Ia Strict Nature Reserve
- Ib Wilderness Area: protected area managed mainly for wilderness protection
- II National Park: protected area managed mainly for ecosystem protection and recreation
- III Natural Monument: protected area managed mainly for conservation of specific natural features
- IV Habitat/Species Management Area: protected area managed mainly for conservation through management intervention
- V Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation
- VI Managed Resource Protected Area: protected area managed mainly for the sustainable use of natural ecosystems

5.2.4 - Key conservation measures

Legal protection

Measures	Status
Legal protection	Partially implemented

Habitat

Measures	Status
Improvement of water quality	Proposed
Hydrology management/restoration	Proposed
Habitat manipulation/enhancement	Proposed
Land conversion controls	Proposed

Species

Measures	Status
Threatened/rare species management programmes	Proposed
Reintroductions	Proposed
Control of invasive alien plants	Proposed
Control of invasive alien animals	Proposed

Human Activities

Measures	Status
Management of water abstraction/takes	Partially implemented
Regulation/management of wastes	Partially implemented
Livestock management/exclusion (excluding fisheries)	Partially implemented
Fisheries management/regulation	Partially implemented
Harvest controls/poaching enforcement	Partially implemented
Regulation/management of recreational activities	Partially implemented
Communication, education, and participation and awareness activities	Partially implemented
Research	Partially implemented

Other:

For effective protection of water resources and natural complexes of the delta, it is necessary to build waste treatment facilities, establish water protection zones and introduce closed water cycle at all industrial enterprises. A conservation management plan for Dnipro Delta is in preparation.

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:

Institute of Biology of Southern Seas (Sevastopol), Institute of Hydrobiology and Institute of Zoology of the National Academy of Sciences of Ukraine, Black Sea Biosphere Reserve

5.2.6 - Planning for restoration

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

5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Water quality	Proposed
Water regime monitoring	Proposed
Soil quality	Proposed
Plant community	Proposed
Plant species	Proposed
Animal community	Proposed
Animal species (please specify)	Proposed
Birds	Proposed

Animal species: *Mutela lutreola*, *Lutra lutra*, *Nyctalus leisleri*, *Neomys anomalus*
 Birds: *Haliaeetus aldricilla*, *Plegadis falcinellus*, *Ardeola ralloides*

Monitoring of the wetland "Dnieper River Delta" is carried out annually, according to the programme of "The Chronicle of Nature" of the Lower Dnieper National Nature Park (Vol. 1 of the Nature Records with general information was published in 2017).

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

- Buzevych Yu.I. The scientific-biological justification of seeding the Dnipro-Buh mouth system with juveniles of valuable fish species of different age for the period 2016-2018. - Kyiv, 2016. [in Ukrainian]
- Wetlands of Ukraine. Directory / Ed. Marushevsky G. B., Zharuk I. C. - The Wetlands International Black Sea Programme, 2006. - 312 p. [in Ukrainian]
- Dimova Zh.O. Bottom invertebrates of the Dnipro-Buh mouth system, listed in the Red Data Book of Ukraine, their distribution and quantitative characteristics / Zh.O. Dimova // Scientific readings devoted to the Day of Science. Iss. 3. Collection of scientific papers. - Kherson: Vyshemyrskyi Press, 2010. - P. 38-45. [in Ukrainian]
- Scientific report: Structural and functional changes in hydrobiont groups of the Dnipro-Buh mouth system under intensive anthropogenic impact / Ed.by T.L. Aleksenko / State registration number 0111U002025 - Kherson Hydrobiological Station of the National Academy of Sciences of Ukraine, 2015 - 258 p. [in Ukrainian]
- Korzhov E.I. Current hydrographic characteristic of the Lower Dnipro / E.I. Korzhov // Scientific readings devoted to the Day of Science. Iss.4: Collection of scientific papers. - Kherson: Vyshemyrskyi Press, 2011. - P.4-17. [in Russian]
- Korzhov E.I. External water exchange of the channel and lake systems of the Lower Dnipro in the present time / E.I. Korzhov // Hydrology, hydrochemistry and hydroecology. Collection of scientific papers. Ed. by V.K. Khilchevskyi - Kyiv: Obrii, 2013. - Vol. 2 (29). - P. 37-45. [in Ukrainian]
- Korzhov E.I. Anthropogenic impact on the ecosystem of the Lower Dnipro and possible ways to mitigate it / E.I. Korzhov // Transactions of the Ukrainian Research Hydrometeorological Institute. – Iss. 267. - Kyiv: Nika-Centre, 2015. - P. 102-108. [in Ukrainian]
- The Lower Dnipro National Nature Park. Nature Records, Vol.1, Kherson, 2017. - P.337. [in Ukrainian]
- Stetsenko M.P., Parchuk H.V., Klestov M.L., Osipova M.O., Melnychuk G.O., Andrievska O.L., Wetlands of Ukraine: Information materials / Ed. By M.P. Stetsenko - Kyiv, 1999. [in Ukrainian]
- Seliunina Z.V., Rudenko A.G., Rusin M.Yu. Faunal community of the Dnipro reedbeds // Prypodnychi Almanakh. Series: Biological Sciences. Iss. 5. - 2004. - p.119-121. [in Ukrainian]
- Green Data Book of Ukraine. Plant World / ed. by Ya.P. Didukh - Kyiv: Alterpress, 2009.-448 p. [in Ukrainian]
- Red Data Book of Ukraine. Plant World / ed. by Ya.P. Didukh - Kyiv: Globalconsulting, 2009.-912 p. [in Ukrainian]
- Red Data Book of Ukraine. Animal World / ed. by I. A. Akimov. - Kyiv: Globalconsulting, 2009. - 600 p. [in Ukrainian]

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:



Dnipro River Delta (Anastasia Davydova, 17-07-2020)



Dnipro River Delta (Anastasia Davydova, 17-07-2020)



Dnipro River Delta (Anastasia Davydova, 17-07-2020)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 1995-11-23