



# Ramsar Information Sheet

Published on 26 August 2020

Update version, previously published on : 1 January 1998

## Ukraine Shatsk Lakes



Designation date	23 November 1995
Site number	775
Coordinates	51°30'40"N 23°51'10"E
Area	32 850,00 ha

## Color codes

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

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

## 1 - Summary

### Summary

The Site is located in the north-western part of Ukraine, within Shatsk National Nature Park. It holds the largest Ukrainian lake complex (23 lakes), combined with bogs, peatlands, meadows and forests. It is crossed by the main European watershed, between basins of the Baltic Sea (the Western Buh river basin) and the Black Sea (the Prypiat river basin).

This area, one of the largest and best preserved in the Polissia region, is important for the conservation of rich species diversity of fauna and flora, including waterbird breeding and migratory grounds. During migrations, in feeding and molting stopovers, up to 40,000-41,000 individuals were observed. In the post-breeding and autumn periods, *Fulica atra* (3,000-16,000 ind.), *Anas platyrhynchos* (1,500-3,500 ind.), *Aythya ferina* (1,000-2,000) and others are the most numerous.

825 species of plants are found in the site, of which 44 are listed in the Red Data Book of Ukraine, 12 - in Appendices of CITES, 15 habitat types from Resolution 4 (1996) of the Bern Convention and 14 rare plant communities are listed in the Green Data Book of Ukraine. The fauna includes 385 species of vertebrate animals, among which 158 are listed in annexes of CMS, 37 in CITES, 76 in AEWA, and 16 in EuroBats. Furthermore, there are 77 threatened species in accordance with the Red Data Book of Ukraine and 24 species listed in the IUCN Red List. The site is also valuable for the breeding of rare, globally vulnerable bird species such as *Aythya nyroca*, *Gallinago media* and *Acrocephalus paludicola*, and for migration of *Anser erythropus* (IUCN, Red Data Book of Ukraine).

Human practices include forestry and agriculture, fishing, recreation, livestock grazing and haymaking. Hunting is prohibited in the area. The site is part of the Shatsk National Nature Park.

## 2 - Data & location

### 2.1 - Formal data

#### 2.1.1 - Name and address of the compiler of this RIS

##### Compiler 1

Name	Mykhailo Khymyn
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##### Compiler 2

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Institution/agency	Shatsk National Nature Park
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#### 2.1.2 - Period of collection of data and information used to compile the RIS

From year	2012
To year	2018

#### 2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Shatsk Lakes
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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  No

(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

## 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 extreme north-western part of Ukraine in Shatsk District of Volynska Region. The Site is territory of Shatsk National Nature Park. In the north, the Site partly borders on the Republic of Belarus, in the east and south - on the forest lands of the State Enterprise "Shatske Forestry", and in the west the borders with Poland goes along the Western Buh River. The Site includes all lakes with adjacent marshes, meadows, meliorative canals, forests, agricultural lands and some populated areas (Shatsk - settlement, center of administrative region and villages: Gaivka, Melnyky, Svitiaz, Ostrivka, Pidmanove, Pulmo, Svitiaz, Zalissia). The southern and northern boundaries of this Site are forested areas (beyond them are melioration systems, fields, settlements, and partly extensions of forest areas), and the eastern one passes through forested areas, the main of which is Prince Bagon included in the Site.

The northern boundary of the Site runs along a curved line from the western border between Ukraine and Belarus to the eastern border between Ukraine and Belarus, along the northern boundary of forest areas, swamps, lakes Pulemets, Ostrivianske, Luky and along southern boundary of settlements Pulemets, Kamianka, Ostrivka and Zatyshshia, as well as along the border with Belarus to the tract of Moshkov Breed.

The eastern boundary of the Site passes in the middle of a large massif of forest through the tract of Prince Bagon, further south to the floodplain of Pripyat River between the villages of Kropyvnyky and Vilytsia.

The southern boundary of the Site runs along the southern border of the forest from the floodplain of Pripyat River to the border between Ukraine and Poland near the village Vilshanka.

The western boundary of the Site runs along the border between Ukraine and Poland to the point of intersection of the borders of Ukraine, Poland and Belarus, and further along the border with Belarus until the end of a large forest area bounded by an amelioration channel.

## 2.2.2 - General location

- a) In which large administrative region does the site lie?
- 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	Continental biogeographic region

### Other biogeographic regionalisation scheme

The Shatsk Lakes (Svitiaz, Pulemetske, Luky, Liutsymer, Ostrivske, Peremut and other) are situated within the Upper-Pripyat physical-geographical region of mixed forest in the western part of Western (Volynske) Polissia. The modern appearance of the relief developed primarily in the Quaternary period under the influence of glaciations, erosion, karsts, wind and human impact. According to the geobotanical regionalization (Bradis, Andrienko, 1977), the area of the wetland belongs to Ratnivsko-Lyubeshivski (Upper-Pripyat') District, where dominating are pine-bilberry-green moss forests and eutrophic sedge marshes. National Scheme of biogeographic regionalisation. National Atlas of Ukraine. – Kyiv: State scientific production enterprise 'Kartographia', 2007. – 440 p.

### 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 lies on the Main European Watershed (between Baltic and Black Sea basins). Water supply is due to atmospheric precipitation – 70%, groundwaters – 20% and surface runoff – 10%. The Site provides water to the local population, forestry, agriculture, fishery, recreation, etc. The water in most lakes is very clean. Bogs play a certain stabilizing role for the hydrological regime of the lake complex.

Other ecosystem services provided

Part of the meadows and bogs of the Site are traditionally used for haymaking and livestock grazing. The lakes are used as traditional fishing areas by the local population and places of mass recreation. The lake complex plays an important role in the development of recreational and tourist capacities of the region.

Other reasons

The Site consists of a unique lake complex, in combination with bogs, meadows and forests. Landscapes and biodiversity of the Site are typical for Western Polissia. Five lakes in the middle of the site (of karst and fluvio-glacial origin) are part of the unique natural lake system in Europe. The largest of the lakes are Svitiaz (2519 ha, 58 m deep) and Pulemetske (1588 ha, 19 m deep). Adjacent to the lakes and located between them there are low-lying and transitional bogs with rare marsh vegetation. The lakes, in turn, contribute to the life activity of waterbirds and biota as a whole. They serve as stopovers, moulting and feeding areas of waterbirds as well as places of concentration, spawning and feeding of valuable species of fish.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

This wetland is one of the largest and most well-preserved natural ecosystems in the Polissya region. High levels of biodiversity are found in the Site. Within the wetland area, 825 vascular plant species are recorded. Wetland flora is common in the forest zone of Western Polissia. Mires and meadows are occupied by different types of sedge and other herbs.

In general, the most common plants found in bogs, meadows, shores and shallow water bodies within the Site are *Carex* sp., *Phragmites australis* and willows of the genus *Salix*. Raised bogs, transitional and lowland bogs support typical and rare plant species and communities. In Rare pine-sphagnum raised bogs, species such as *Oxycoccus palustris*, *Eriophorum vaginatum*, *Caccinium uliginosum*, *Ledum palustre* and other oligotrophic-bog species form the grass cover. In some areas, sedge-hypnum bogs and meadows support rare plants such as *Betula humilis*, *Carex dioica* and *C. davalliana*.

Meadow vegetation is associated with lake banks and shores. Remnants of forest bogs in Kniaz Bahon area give shelter to rare *Pinetum leucobriosum* Western Polissia pine forests, as well as to *Pinetum lycopodiosum* (annotini) forests. In other places, there are birch-alder forests with bracken fern-blueberry and lady ferns. Willow thickets are formed by *Salix cinerea*, *S. pentandra*, *S. rosmarinifolia*, *S. purpurea* and *S. nigricans*, in places mixed with *Betula humilis*.

Of the 253 bird species found in the Site, 75 are birds directly dependant on the wetland complexes. The most numerous of these are *Podiceps cristatus* (80 breeding pairs and 400 migrants), *Botaurus stellaris* (20 breeding pairs and 120 migrants), (80 breeding pairs and 320 migrants), *Anser albifrons* (about 7000 spring migrants), *Cygnus olor* (12 breeding pairs and 220), *Anas platyrhyncho* (500 breeding pairs and 3500 migrants), *Anas querquedula* (40 breeding pairs and 1200 migrants), *Aythya ferina* (250 breeding pairs and 1800 on migration accumulations), *Bucephala clangula* (1200 on migration accumulations), *Mergus merganser* (30 breeding pairs and 1800 migrants), *Porzana parva* (20 breeding pairs and 140 migrants), *Fulica atra* (120 breeding pairs and 7500 on autumn accumulations), *Tringa glareola* (800 migrants), *Philomachus pugnax* (800 migrants), *Larus ridibundus* (120 breeding pairs and more than 1500 migrants), *Chlidonia niger* (40 breeding pairs and 220 migrants), and some other waterbirds species: *Gallinago gallinago*, *Tringa totanus*, *Anatus pratensis*, *Acrocaphalus arundinaceus*, *Emberiza schoeniclus* etc.

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

Criterion 5 : >20,000 waterbirds

Overall waterbird numbers

Start year

Source of data:

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

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<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 - NT, Appendix I of the Bern Convention	
<i>Anacamptis coriophora</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Betula humilis</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	
<i>Botrychium lunaria</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<i>Carex davalliana</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	
<i>Carex umbrosa</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NE	
<i>Cephalanthera rubra</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
<i>Cladium mariscus</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	
<i>Cypripedium calceolus</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, Appendix I of the Bern Convention	
<i>Dactylorhiza fuchsii</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NE	
<i>Dactylorhiza incarnata</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Dactylorhiza maculata</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Dactylorhiza majalis</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
<i>Drosera anglica</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Drosera intermedia</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Epipactis atrorubens</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Epipactis palustris</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	
<i>Lilium martagon</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NE	
<i>Liparis loeselii</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Lycopodiella inundata</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	
<i>Lycopodium annotinum</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Neottia nidus-avis</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NE	
<i>Neottia ovata</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NE	
<i>Pinguicula vulgaris</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Platanthera bifolia</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NE	
<i>Salix lapponum</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Scheuchzeria palustris</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Vaccinium microcarpum</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	

## 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 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
<b>Birds</b>																		
CHORDATA / AVES	<i>Acrocephalus paludicola</i>	Aquatic Warbler	<input checked="" 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"/>	60	2012-2018		WU	<input type="checkbox"/>	<input checked="" type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	The Site supports species during breeding season.
CHORDATA / AVES	<i>Anas acuta</i>	Northern Pintail	<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	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern Convention, and Appendix II of CMS	
CHORDATA / AVES	<i>Anas clypeata</i>	Northern Shoveler	<input 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"/>	100	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Anas crecca</i>	Green-winged Teal; Eurasian Teal	<input 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"/>	220	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Anas penelope</i>	Eurasian Wigeon	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5000	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>		The Site serves as feeding and resting ground during migrations.
CHORDATA / AVES	<i>Anas platyrhynchos</i>	Mallard	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3500	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site serves as breeding, feeding and resting ground during migrations.
CHORDATA / AVES	<i>Anas querquedula</i>	Garganey	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>		The Site serves as breeding, feeding and resting ground during migrations.
CHORDATA / AVES	<i>Anas strepera</i>	Gadwall	<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"/>	140	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	The Site serves as breeding, feeding and resting ground during migrations.
CHORDATA / AVES	<i>Anser albifrons</i>	Greater White-fronted Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7000	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during migratory seasons.
CHORDATA / AVES	<i>Anser anser</i>	Greylag Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site serves as breeding, feeding and resting ground during migrations.
CHORDATA / AVES	<i>Anser erythropus</i>	Lesser White-fronted Goose	<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"/>	6	2012-2018		WU	<input type="checkbox"/>	<input checked="" type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA / AVES	<i>Anser fabalis</i>	Bean Goose	<input 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"/>	100	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Aquila pomarina</i>	Lesser Spotted Eagle	<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"/>	3	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine – NT	The Site supports species during breeding season.
CHORDATA / AVES	<i>Ardea alba</i>	Great Egret	<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"/>	140	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern Convention	
CHORDATA / AVES	<i>Ardea cinerea</i>	Grey Heron; Gray Heron	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	320	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during breeding season.
CHORDATA / AVES	<i>Asio flammeus</i>	Short-eared Owl	<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"/>	8	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine – NT	The Site supports species during breeding season.
CHORDATA / AVES	<i>Aythya ferina</i>	Common Pochard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1800	2012-2018		WU	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during migrations.
CHORDATA / AVES	<i>Aythya fuligula</i>	Tufted Duck	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	700	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during migrations.



Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence <sup>1)</sup>	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Aythya nyroca</i>	Ferruginous Duck	<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"/>	20	2012-2018		NT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA / AVES	<i>Botaurus stellaris</i>	Eurasian Bittern	<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"/>	120	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in appendix II of Bern convention	
CHORDATA / AVES	<i>Bubo bubo</i>	Eurasian Eagle-Owl	<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"/>	8	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA / AVES	<i>Bucephala clangula</i>	Common Goldeneye	<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"/>	1200	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	The Site supports species during migrations.
CHORDATA / AVES	<i>Charadrius hiaticula</i>	Common Ringed Plover	<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"/>	2	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA / AVES	<i>Chlidonias hybrida</i>	Whiskered Tern	<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	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern Convention	
CHORDATA / AVES	<i>Chlidonias leucopterus</i>	White-winged Tern	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	700	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern Convention	The Site supports species during breeding and migratory seasons.
CHORDATA / AVES	<i>Chlidonias niger</i>	Black Tern	<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"/>	120	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern Convention	
CHORDATA / AVES	<i>Chroicocephalus ridibundus</i>	Black-headed Gull	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1500	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during breeding, moulting and migratory periods.
CHORDATA / AVES	<i>Ciconia ciconia</i>	White Stork	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	700	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern Convention	The Site supports species during migrations.
CHORDATA / AVES	<i>Ciconia nigra</i>	Black Stork	<input checked="" 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"/>	90	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT, appendix II of Bern Convention	The Site supports species during migrations.
CHORDATA / AVES	<i>Circus gallicus</i>	Short-toed Snake Eagle	<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"/>	2	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA / AVES	<i>Circus cyaneus</i>	Northern Harrier	<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"/>	10	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA / AVES	<i>Circus pygargus</i>	Montagu's Harrier	<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"/>	10	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA / AVES	<i>Crex crex</i>	Corn Crane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern Convention	The Site supports species during breeding season.
CHORDATA / AVES	<i>Cyanistes cyanus</i>	Azure Tit	<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"/>	20	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA / AVES	<i>Cygnus cygnus</i>	Whooper Swan	<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"/>	10	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern Convention	
CHORDATA / AVES	<i>Cygnus olor</i>	Mute Swan	<input 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"/>	220	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Falco cherrug</i>	Saker Falcon	<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"/>	1	2012-2018		EN	<input type="checkbox"/>	<input checked="" type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence <sup>1)</sup>	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Fulica atra</i>	Eurasian Coot	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7500	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during breeding and migratory seasons.
CHORDATA / AVES	<i>Gallinago gallinago</i>	Common Snipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during breeding and migratory seasons.
CHORDATA / AVES	<i>Gallinago media</i>	Great Snipe	<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"/>	12	2012-2018		NT	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN, listed in appendix II of Bern convention	The Site supports species during breeding.
CHORDATA / AVES	<i>Gavia arctica</i>	Black-throated Loon; Arctic Loon	<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 the Bern Convention	
CHORDATA / AVES	<i>Grus grus</i>	Common Crane	<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"/>	1200	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	The Site supports species during breeding and migratory seasons.
CHORDATA / AVES	<i>Haematopus ostralegus</i>	Eurasian Oystercatcher	<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"/>	2	2012-2018		NT	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA / AVES	<i>Haliaeetus albicilla</i>	White-tailed Eagle	<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"/>	2	2012-2018		LC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	
CHORDATA / AVES	<i>Ixobrychus minutus</i>	Little Bittern	<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	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern Convention	
CHORDATA / AVES	<i>Lanius excubitor</i>	Great Grey Shrike; Northern Shrike	<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"/>	20	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	The Site supports species during breeding.
CHORDATA / AVES	<i>Larus cachinnans</i>	Yellow-legged Gull; Caspian Gull	<input 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"/>	200	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Larus minutus</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"/>	15	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA / AVES	<i>Limosa limosa</i>	Black-tailed Godwit	<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"/>	100	2012-2018		NT	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Lyrurus tetrix</i>	Eurasian Black Grouse; Black Grouse	<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	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	
CHORDATA / AVES	<i>Mergus merganser</i>	Common Merganser	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1800	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during breeding and migratory seasons.
CHORDATA / AVES	<i>Numenius arquata</i>	Eurasian Curlew	<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"/>	45	2012-2018		NT	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	
CHORDATA / AVES	<i>Pandion haliaetus</i>	Osprey	<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"/>	2	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	
CHORDATA / AVES	<i>Philomachus pugnax</i>	Ruff	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	800	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during migratory seasons.
CHORDATA / AVES	<i>Podiceps cristatus</i>	Great Crested Grebe	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	400	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during breeding.
CHORDATA / AVES	<i>Podiceps grisegena</i>	Red-necked Grebe	<input checked="" 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"/>	20	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern	The Site supports species during breeding.

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence <sup>1)</sup>	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Podiceps nigricollis</i>	Eared Grebe; Black-necked Grebe	<input checked="" 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"/>	20	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern	The Site supports species during breeding.
CHORDATA / AVES	<i>Porzana parva</i>	Little Crake	<input checked="" 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			<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern	The Site supports species during breeding.
CHORDATA / AVES	<i>Scolopax rusticola</i>	Eurasian Woodcock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	220	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during breeding.
CHORDATA / AVES	<i>Sterna hirundo</i>	Common Tern	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during breeding.
CHORDATA / AVES	<i>Sternula albifrons</i>	Little Tern	<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	2012-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA / AVES	<i>Tachybaptus ruficollis</i>	Little Grebe	<input checked="" 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"/>	40	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern	The Site supports species during breeding.
CHORDATA / AVES	<i>Tetrastes bonasia</i>	Hazel Grouse	<input checked="" 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"/>	40	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	The Site serve as breeding ground and habitat.
CHORDATA / AVES	<i>Tringa glareola</i>	Wood Sandpiper	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	800	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern	The Site supports species during migratory seasons.
CHORDATA / AVES	<i>Tringa ochropus</i>	Green Sandpiper	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in Appendix II of the Bern	The Site supports species during breeding and migratory seasons
CHORDATA / AVES	<i>Tringa totanus</i>	Common Redshank	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during migratory seasons.
CHORDATA / AVES	<i>Vanellus vanellus</i>	Northern Lapwing	<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		NT	<input type="checkbox"/>	<input type="checkbox"/>		The Site supports species during breeding and migratory seasons
<b>Others</b>																		
CHORDATA / MAMMALIA	<i>Barbastella barbastellus</i>	Western Barbastelle	<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"/>	listed in the Red Data Book of Ukraine - EN	
CHORDATA / REPTILIA	<i>Coronella austriaca</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"/>	12	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA / AMPHIBIA	<i>Epidalea calamita</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"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA / MAMMALIA	<i>Lutra lutra</i>	European Otter	<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"/>	20	2012-2018		NT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NE	
CHORDATA / MAMMALIA	<i>Mustela erminea</i>	Ermine	<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"/>	listed in the Red Data Book of Ukraine - not evaluated	
CHORDATA / MAMMALIA	<i>Myotis dasycneme</i>	Pond Myotis	<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"/>		2012-2018		NT	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	
CHORDATA / MAMMALIA	<i>Neomys anomalus</i>	Mediterranean Water Shrew	<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"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	

1) Percentage of the total biogeographic population at the site

365 species of vertebrate animals are registered within the site, including 33 species of bony fish, 13 species of amphibians, 7 species of reptiles, 253 species of birds, 59 species of mammals. Among them, 77 species are included in the Red Data Book of Ukraine. The total number of waterbirds nesting within the site is 6,000-10,000 pairs. Birds that use the site as moulting or migratory stopovers make up 40,000-41,000 individuals. Breeding species include *Podiceps cristatus* (380-400 pairs), *Botaurus stellaris* (18-25 pairs), *Ardea cinerea* (70-100 pairs), *Cygnus olor* (10-15 pairs), *Anser anser* (35-45 pairs), *Anas platyrhynchos* (400-500 pairs), *Aythya ferina* (240-260 pairs), *A. nyroca* (2-3 pairs), *Fulica atra* (800-1,000 pairs), *Numenius arquata* (2-5 pairs), *Larus ridibundus* (100-120 pairs), *L. cachinnans* (200-220 pairs), *Acrocephalus paludicola* (25-35 pairs). The most numerous species in seasonal concentrations are *Fulica atra*, *Anas platyrhynchos*, *A. Penelope*, *Aythya ferina*, *Anser albifrons*, *Anser anser*, *Larus ridibundus*, *Vanellus vanellus*, *Tringa totanus*, *T. glareola*, *Philomachus pugnax*, *Calidris* sp. etc.

Rare, red-listed species of birds in the area of Shatsk Lakes in different seasons are represented by *Ciconia nigra*, *Cygnus bewickii*, *Bucephala clangula*, *Somateria mollissima*, *Oxyura leucocephala*, *Mergus serrator*, *Grus grus*, *Pandion haliaetus*, *Circus cyaneus*, *Haliaeetus albicilla*, *Aquila Chrysaetos*, *A. romarina*, *A. clanga*, *Circaetus gallicus*, *Falco peregrinus*, *Himantopus himantopus*, *Haematopus ostralegus*, *Tringa stagnatilis*, *Numenius phaeopus*, *Hydroprogne caspia*, *Bubo bubo*, *Lanius excubitor*, *Acrocephalus paludicola*. Other rare species of birds, listed in the Red Data Book of Ukraine, are not recorded annually and are rare migrants or accidental visitors.

### 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
C1.1: Permanent oligotrophic lakes, ponds and pools	<input checked="" type="checkbox"/>	According to several criteria, Lake Svitiáz corresponds to this type of the community	Resolution 4 of the Bern Convention (1996).
C1.2: Permanent mesotrophic lakes, ponds and pools C1.222 : Floating <i>Hydrocharis mosus-ranae</i> rafts	<input checked="" type="checkbox"/>	Occur within mesotrophic lakes	Resolution 4 of the Bern Convention (1996).
C1.223 : Floating <i>Stratiloidea aloides</i> rafts	<input checked="" type="checkbox"/>	Occur within mesotrophic lakes	Resolution 4 of the Bern Convention (1996).
C1.224 : Floating <i>Utricularia australis</i> and <i>Utricularia vulgaris</i> colonies	<input checked="" type="checkbox"/>	Occur within waterlogged bogs and mesotrophic lakes	Resolution 4 of the Bern Convention (1996).
C1.226 : Floating <i>Aldrovanda vesiculosa</i> communities	<input checked="" type="checkbox"/>	Occur within some lakes	Resolution 4 of the Bern Convention (1996).
C1.25 : Charophyte submerged carpets in mesotrophic waterbodies	<input checked="" type="checkbox"/>	Occur within mesotrophic lakes having low flowing rate	Resolution 4 of the Bern Convention (1996).
C1.3: Permanent eutrophic lakes, ponds and pools C1.3413 : <i>Hottonia palustris</i> beds in shallow water	<input checked="" type="checkbox"/>	Occur in flooded microdepressions	Resolution 4 of the Bern Convention (1996).
D2: Valley mires, poor fens and transition mires D2.3: Transition mires and quaking bogs	<input checked="" type="checkbox"/>	Occur in flooded microdepressions	Resolution 4 of the Bern Convention (1996).
D4: Base-rich fens and calcareous spring mires D4.1: Rich fens, including eutrophic tall-herb fens and calcareous flushes	<input checked="" type="checkbox"/>	Occur in bog areas between lakes	Resolution 4 of the Bern Convention (1996).
D5: Sedge and reedbeds, normally without free-standing water D5.2: Beds of large sedges normally without free-standing w	<input checked="" type="checkbox"/>	Occur on bogs	Resolution 4 of the Bern Convention (1996).
E1.1: Inland sand and rock with open vegetation E1.12: Euro-Siberian pioneer calcareous sand swards	<input checked="" type="checkbox"/>	Occur on sand dunes – in microelevations among bogs and meadows	Resolution 4 of the Bern Convention (1996).
E2.1: Mesic grasslands	<input checked="" type="checkbox"/>	Occur on lake shores and along the bog edges	Resolution 4 of the Bern Convention (1996).
E3.4: Moist or wet eutrophic and mesotrophic grassland	<input checked="" type="checkbox"/>	Occurs on lake shores and along the bog edges	Resolution 4 of the Bern Convention (1996).
F9: Riverine and fen scrubs F9.1: Riverine scrub	<input checked="" type="checkbox"/>	Occur along some lakes	Resolution 4 of the Bern Convention (1996).
X: Habitat complexes X35: Inland sand dunes	<input checked="" type="checkbox"/>	Occur among microelevations	Resolution 4 of the Bern Convention (1996).

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

### 4.1 - Ecological character

The Site is part of a unique lake complex. There is a large variety of landscapes and habitats, namely lakes, rivers, canals, bogs, meadows, forests, etc. The uniqueness of this Site lies in the fact that it is located between the catchment basins of two seas. One part of the water runoff enters the basin of the Baltic Sea, and the other to the Black Sea basin.

The lakes of the Site are of different genesis. Thus, the lakes Svitiaz, Pulemetske and Krymne are of karst origin, while Pischne, Liutsimer and Peremut are cavities in chalk deposits, covered with karst. The largest lakes among them are Svitiaz (2,519 ha, 58 m deep), Pulemetske (1588 ha, 19 m deep) and Liutsimer (430 ha, 11 m deep). The Velyke Chorne Lake is of glacial origin, as evidenced by the moraine on its bottom. Lakes of relic origin (for example, Lake Ozertse) have appeared on microdepression areas. The water's chemical composition mainly contains hydrocarbonates - calcium, mild, often with a high admixture of iron. Such water is best suited for the organization of centralized water supply for household consumption. The peculiarity of the wetland is that, in hydrological terms, is practically independent of the surface runoff of the adjacent Prypiat and Western Buh rivers. The impact on water level and water purity in lakes depends on human activities (melioration, agriculture, use of mineral fertilizers, pollution from households, individual enterprises and recreants).

The wetland is covered by 50% of forested areas, 14.3% of meadows, 4% of marshes and 14.2% of open waters. Forests are spread unevenly, however, the largest continuous stands are confined to the perimeter of the wetland. Depressions between lakes are occupied by eutrophic and mesotrophic marshes, oligotrophic ones are rare. A large portion of the marshes are drained, a part of the eutrophic marshes have been converted into peaty meadows. Meadow vegetation is confined to lake surroundings and river-sides.

The precipitation in the region of Shatsk's Lakes is approximately 600 mm per year. The temperature regime is one of the highest in the region - the average annual temperature in the region of Lake Svitiaz is + 7.5 °C. During the period of 2015-2017, the majority of the Shatsk's Lakes experienced a decrease in water levels by 30-50 cm (about 30 cm on average). At that time, the water retreated from the shore by 20-30 meters, and in places even more, exposing the bottom of the shallows of the lake. However, in 2018 the decrease in water levels in the lakes mostly did not exceed 25-35 cm.

Shatsk's Lakes have a great recreational value. In their vicinity, there are medical and resort facilities. Lakes Svitiaz, Pischne, Pulemetske, Liutsimer, Somynets, Krymne, Velyke Chorne and adjacent to them, mostly forest-covered areas, are rich in recreational resources. These are traditional places of mass organized recreation, which are the most exposed to urbanization

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

#### Inland wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Flowing water >> M: Permanent rivers/ streams/ creeks		4	0.5	Representative
Fresh water > Lakes and pools >> C: Permanent freshwater lakes		1	6338.9	Representative
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools		2	1977.3	Representative
Fresh water > Marshes on inorganic soils >> W: Shrub-dominated wetlands		3	81.9	Representative

#### Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
9: Canals and drainage channels or ditches		3	161.7	

#### Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Forests	14917.6
agricultural lands	7831.6
settlements	1343.2
motorways	183
sands	14.3

### 4.3 - Biological components

#### 4.3.1 - Plant species

##### Invasive alien plant species

Scientific name	Common name	Impacts	Changes at RIS update
<i>Acer negundo</i>		Actual (minor impacts)	No change
<i>Ambrosia artemisiifolia</i>		Potential	unknown
<i>Amelanchier canadensis</i>		Potential	unknown
<i>Bidens frondosa</i>		Actual (minor impacts)	unknown
<i>Erigeron canadensis</i>		Potential	No change
<i>Heracleum sosnowskyi</i>		Actual (minor impacts)	unknown
<i>Oenothera biennis</i>		Potential	unknown
<i>Pinus banksiana</i>	Hudson Bay pine; Jack pine	Potential	unknown
<i>Robinia pseudoacacia</i>		Potential	No change

#### 4.3.2 - Animal species

Other noteworthy animal species

Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
CHORDATA/AVES	<i>Aythya marila</i>	Greater Scaup	20	2012-2018		
CHORDATA/AVES	<i>Gallinula chloropus</i>	Common Moorhen	80	2012-2018		
CHORDATA/AVES	<i>Larus canus</i>	Mew Gull	50	2012-2018		
CHORDATA/AVES	<i>Tringa nebularia</i>	Common Greenshank	80	2012-2018		

Invasive alien animal species

Phylum	Scientific name	Common name	Impacts	Changes at RIS update
CHORDATA/ACTINOPTERYGII	<i>Ameiurus melas</i>		Actual (major impacts)	No change
CHORDATA/ACTINOPTERYGII	<i>Ameiurus nebulosus</i>	Northern brown bullhead; Mudcat; Mudpuppy; Horned pout; Horned catfish; Common catfish; Brown catfish	Actual (major impacts)	decrease
CHORDATA/ACTINOPTERYGII	<i>Gasterosteus aculeatus</i>		Actual (major impacts)	No change
CHORDATA/ACTINOPTERYGII	<i>Hypophthalmichthys molitrix</i>		Actual (minor impacts)	unknown
CHORDATA/ACTINOPTERYGII	<i>Micropterus salmoides</i>		Actual (minor impacts)	unknown
CHORDATA/MAMMALIA	<i>Neovison vison</i>		Actual (major impacts)	No change
CHORDATA/MAMMALIA	<i>Neovison vison</i>		Actual (major impacts)	No change
CHORDATA/MAMMALIA	<i>Nyctereutes procyonoides</i>	Raccoon dog	Potential	No change
CHORDATA/ACTINOPTERYGII	<i>Plecoglossus altivelis</i>	Chinese sleeper; Amur sleeper	Actual (major impacts)	No change

#### 4.4 - Physical components

##### 4.4.1 - Climate

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

The territory of the Site belongs to the Western part of the Atlantic continental region with moderate wet and warm summer, mild winter with ice-cover on water bodies that lasts from several weeks to three months; precipitation is considerable (about 600 mm per year). The western location of the Site favors the intrusion of oceanic and polar air masses and local factors responsible for the shaping of the climate, in particular, the low-laying character of the Site and numerous lakes, favor the development of microclimatic conditions peculiar to lakelands. By so the climate here resembles the temperate oceanic climate of Western Europe.

Radiation conditions determine temperature and moisture regimes, which have a significant influence upon the character of processes responsible for shaping the relief. The period of active plant growth begins in the third decade of April and lasts until late September.

##### 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.

According to geomorphological compound, wetland's area is alluvium-moraine or accumulative lowland located within watershed of Baltic and Black seas. The wetland is crossed by the boundary of the European Watershed, which divides the drainage basins of Pripyat (Dnieper River) and Western Bug and set here limit of distribution of many plant and animal species. In geological structure there are several layers: crystalline shield, Shatsk bending of Jurassic and Cretaceous periods and sediments of the Age of Reptiles. Upper cretaceous sediments are the most spreaded.

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

Please provide further information on the soil (optional)

Main soils of the Site are boggy, peat-boggy and peat soils. The rest is mostly represented by sod-podzolized soils.

4.4.4 - Water regime

Water permanence

Presence?	Changes at RIS update
Usually permanent water present	No change

Source of water that maintains character of the site

Presence?	Predominant water source	Changes at RIS update
Water inputs from surface water	<input type="checkbox"/>	No change
Water inputs from rainfall / snowfall	<input checked="" type="checkbox"/>	No change
Water inputs from groundwater	<input type="checkbox"/>	No change

Water destination

Presence?	Changes at RIS update
Feeds groundwater	No change
To downstream catchment	No change

Stability of water regime

Presence?	Changes at RIS update
Water levels largely stable	No change

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

In recent years (2015-2017) water levels in the lakes have fallen by 0.2-0.8 m, in 2018 levels have partially stabilized. The main hydrological sources, feeding the lakes, are atmospheric precipitation, limited water inflow and runoff from the adjoining territory. Expenditures are caused by evaporation from the water surface, and surface and underground drainage. The following data on the annual water balance of Svitiiaz Lake have been presented by H. Prots (1988): precipitation - 76%, retained water - 18%, runoff from the adjoining area - 6%; losses: evaporation - 73%, surface drainage - 26%, groundwater supply - 1%. However, different forms may have their own peculiarities in the formation of water balance due to differences in geology, weather conditions, etc.

4.4.5 - Sediment regime

Sediment regime unknown

Please provide further information on sediment (optional):

The lakes of the site are not joined with the rivers, but only connected through some systems of channels and ditches, which do not provide any significant impacts in terms of sediments.

(EOD) Water turbidity and colour

The water is usually yellowish, generally clear and transparent in most lakes. In Lake Svitiiaz the bottom is visible up

(EOD) Water temperature

The warmest water temperature in July is +24-25 °C

4.4.6 - Water pH

Alkaline (pH>7.4)

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

Unknown

Please provide further information on pH (optional):



Due to significant depths (availability of pits up to 15-58 m), pH in many lakes are rarely lower than 5.5 (even in winter and during hot days)

4.4.7 - Water salinity

Fresh (<0.5 g/l)

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

Unknown

Please provide further information on salinity (optional):

The water is calcium-hydrocarbonate with low mineralization near 280 mg/l and very transparent (concentration of sedimentation is 3 g/m3).

4.4.8 - Dissolved or suspended nutrients in water

Eutrophic

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

Mesotrophic

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

Oligotrophic

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

Unknown

Please provide further information on dissolved or suspended nutrients (optional):

Eutrophication is observed in shallow lakes.

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

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

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	Medium
Fresh water	Drinking water for humans and/or livestock	Medium
Wetland non-food products	Livestock fodder	Medium
Wetland non-food products	Fuel wood/fibre	Low
Wetland non-food products	Reeds and fibre	Low

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	High
Climate regulation	Local climate regulation/buffering of change	Medium
Hazard reduction	Flood control, flood storage	Low

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Picnics, outings, touring	High
Recreation and tourism	Recreational hunting and fishing	Low
Spiritual and inspirational	Contemporary cultural significance, including for arts and creative inspiration, and including existence values	Medium
Spiritual and inspirational	Cultural heritage (historical and archaeological)	Medium
Spiritual and inspirational	Spiritual and religious values	Medium
Scientific and educational	Educational activities and opportunities	Medium
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	High
Scientific and educational	Major scientific study site	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	Accumulation of organic matter	Low
Nutrient cycling	Carbon storage/sequestration	Medium

Within the site:

Outside the site:

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
National/Federal government	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Local authority, municipality, (sub)district, etc.	<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"/>
Commercial (company)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

#### 5.1.2 - Management authority

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

Shatsk National Nature Park

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

Mariia Khrystetska, director of Shatsk National Nature Park

Postal address:

61, Zhovtneva St., Svitiaz Village, Shatsk District, Volynska Region, 44021, Ukraine

E-mail address:

shnpp.park@gmail.com

### 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	Medium impact	<input checked="" type="checkbox"/>	increase	<input checked="" type="checkbox"/>	decrease
Tourism and recreation areas	Low impact	High impact	<input checked="" type="checkbox"/>	increase	<input checked="" type="checkbox"/>	No change

##### Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Drainage	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Water releases	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Water abstraction	Low impact	Low impact	<input checked="" type="checkbox"/>	increase	<input checked="" type="checkbox"/>	No change
Canalisation and river regulation	Low impact	Low impact	<input checked="" type="checkbox"/>	decrease	<input checked="" type="checkbox"/>	decrease

##### 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	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Wood and pulp plantations	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Livestock farming and ranching	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

##### Energy production and mining

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Mining and quarrying	Low impact	High impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

##### Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Utility and service lines (e.g., pipelines)	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Roads and railroads	Low impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

## Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Hunting and collecting terrestrial animals	Low impact	Low impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Fishing and harvesting aquatic resources	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Logging and wood harvesting	Low impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Gathering terrestrial plants	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

## 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	High impact	<input checked="" type="checkbox"/>	increase	<input checked="" type="checkbox"/>	No change

## Natural system modifications

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

## Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Invasive non-native/ alien species	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Problematic native species	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" 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	Low impact	Low impact	<input checked="" type="checkbox"/>	decrease	<input checked="" type="checkbox"/>	No change
Household sewage, urban waste water	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Garbage and solid waste	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Air-borne pollutants	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Excess heat, sound, light	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

## Climate change and severe weather

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Habitat shifting and alteration	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Temperature extremes	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Storms and flooding	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Droughts	Low impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

## Please describe any other threats (optional):

Shallowing of water bodies due to decrease in rainfall during the last 4 years (observed mainly from the end of the low water period to the end of autumn). Main threats to plants, including rare species in wetlands, include a certain change in the regime of land use, especially in bogs and meadows. Much of the hayfields and pastures are no longer used. Since the vegetation is almost not removed, a large part of the peat bogs is overgrown with shrubs. Therefore, in such places, rare species of plants and habitats of animals disappear. More and more private homes are appearing on agricultural lands and nearby lakes, which also has a negative impact on vegetation, primarily meadow vegetation.

## 5.2.2 - Legal conservation status

## Global legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
UNESCO Biosphere Reserve	Western Polissia	<a href="http://www.unesco.org/new/en/natural-sciences/environment/ecological-sciences/biosphere-reserves/europe-north-america/belarus-poland-ukraine/west-polesie-transboundary-biosphere-reserve/">http://www.unesco.org/new/en/natural-sciences/environment/ecological-sciences/biosphere-reserves/europe-north-america/belarus-poland-ukraine/west-polesie-transboundary-biosphere-reserve/</a>	whole

## National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
National Nature Park	Shatsk National Nature park	www.shpark.com.ua	whole

## Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	Shatsk Lakes UA001	http://datazone.birdlife.org/site/factsheet/shatski-lakes-iba-ukraine	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	Implemented

## Habitat

Measures	Status
Catchment management initiatives/controls	Implemented

## Human Activities

Measures	Status
Management of water abstraction/takes	Partially implemented
Regulation/management of wastes	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

## 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

## 5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No need identified

## 5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Water regime monitoring	Implemented
Birds	Implemented

Monitoring of the water regime has been carried out since 1988. Late-autumn counts of waterbirds at Shatsk Lakes and phenological observations of plant and animal world have been generally conducted since 1985.

## 6 - Additional material

### 6.1 - Additional reports and documents

#### 6.1.1 - Bibliographical references

- A. Gorun. Concept of creation of Transboundary Biosphere Reserve 'Wester Polissia'. Scientific Newsletter of Volyn State University named by L. Ukrainka. No. 11, 2007. Part 1. Shatskyi National nature Park: regional aspects, ways and directions of development. Vezha. P. 38-46. [In Ukrainian]
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- Khymyn M., Khymyn L. Vertebrate animals of natural reserves and national natural parks within the region of Western Polissia // Scientific Bulletin of National Nature Park "Pripiat-Stokhid". - Lubeshiv, 2014. - Vol. 4, No. 1 - P. 47-55. [In Ukrainian]
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- Sytnyk Yu.M., Melnyk A.P., Mikhailenko N.G., Shevchenko P.G., Mateichyk V.I. Hydrochemical studies of lake ecosystems of Shatsk National Nature Park in the spring of 2017 // Proceedings of the scientific conference "State and biodiversity of the ecosystems of Shatsk NNP and other protected areas" (Shatsk, September 7-10, 2017). - Lviv: SPOLOM, 2017. - P. 94-99. [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:



lake Svityaz ( Shatskyi National Nature Park, 05-05-2015 )



lake Svityaz ( Shatskyi National Nature Park, 20-04-2015 )



swamp ( Shatskyi National Nature Park, 19-11-2015 )



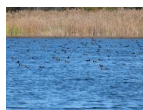
wild geese ( Shatskyi National Nature Park, 21-05-2013 )



geese chicks ( Shatskyi National Nature Park, 08-03-2015 )



Lake Somynets ( M. V. Khymyn, 21-10-2018 )



Concentration of Fulica atra ( M. V. Khymyn, 21-10-2018 )



Lake Svityaz ( M. V. Khymyn, 21-10-2018 )

#### 6.1.4 - Designation letter and related data

##### Designation letter

<1 file(s) uploaded>

Date of Designation