



Ramsar Information Sheet

Published on 27 April 2022

Update version, previously published on : 1 January 2003

Ukraine Bakotska Bay



Designation date	17 November 2003
Site number	1396
Coordinates	48°36'02"N 26°58'12"E
Area	1 590,00 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 wetland "Bakotska Bay" is located in the south-western part of Ukraine, on the Dniester River between villages of Kolodiivka and Horaivka of Kamianets-Podilskyi District. The Site is a typical example of natural-anthropogenic complexes of Kamianets Dniester Region. The Site was formed after the flooding of a riverside territory of the Dniester in the process of filling the Dniester Reservoir. It is a half-open bay with small depths and weak flow.

Rock formations of the bay provide breeding habitats for rare birds of prey, such as *Bubo bubo*; the floodplain is used as a migration stopover by waterbirds. The Site supports typical representatives of local wildlife. Important species for the Site are *Astragalus monspessulanus*, *Cephalanthera damasonium*, *Chamaecytisus albus*, *Epipactis atrorubens*, *Epipactis purpurata*, *Pulsatilla grandis*, *Rhamnus tinctoria*, *Scutellaria verna*, *Stipa pennata*, *Stipa pulcherrima*, *Epipactis purpurata*, *Rhamnus tinctoria*, *Cephalanthera damasonium*, *Epipactis atrorubens*, *Epipactis purpurata*, which have different protection statuses. Other birds that occur are: *Bubo bubo*, *Falco peregrinus*, *Circaetus gallicus*, *Milvus migrans*, *Pandion haliaetus*, *Bucephala clangula*, *Ciconia nigra*, *Coronella austriaca*, *Vipera renardi*, *Acipenser ruthenus*, *Mustela lutreola*, *Felis sylvestris* and a number of Chiroptera species.

The Site is characterized by rich flora and fauna typical for the region, interesting geological history and picturesque views. An unusual combination of landscape, availability of cultural-historical monument (rock monastery of the 12th century) at Bakotska Bay make the place attractive for numerous visitors.

The Site is situated within the territory of Podilski Tovtry National Nature Park.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Responsible compiler

Institution/agency	Podilski Tovtry National Nature Park
Postal address	6 Polskyi Rynok Square, Kamyanets-Podilskyi, Khmelnytska Oblast, 32300, Ukraine

National Ramsar Administrative Authority

Institution/agency	Ministry of Environmental Protection and Natural Resources of Ukraine
Postal address	35, Vasylia Lipkivs'kogo Street, Kyiv, Ukraine, 03035

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)	Bakotska Bay
Unofficial name (optional)	Bakotska Bay (Бакотська затока, Бакота)

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	No change to area
(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?	No
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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

In the north, west and east, the boundaries of the Ramsar site are shaped by a riparian strip (up to 300 m) around Bakotska Bay of Dniester Reservoir. In the south, the boundary follows an administrative border (between Khmelnytskyi and Chernivtsi Regions) on Dniester Reservoir. The Site is located as far as 2 km to the south of Kashtanivka Village (Kamianets-Podilskyi District, Khmelnytskyi Region). In 2021 the boundaries of the Site was delineated more accurately. 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?	Kamianets-Podilskyi District, Khmelnytskyi Region (Oblast)
b) What is the nearest town or population centre?	Kashtanivka Village

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

Other biogeographic regionalisation scheme

According to geobotanical zoning (Didukh, Sheliah-Sosonko, 2003) the site "Bakotska Bay" belongs to Central Podillian District of hornbeam-oak and oak forests and dry meadows of Ukrainian Forest-steppe sub-Province of Eastern European Province of oak forests, steppified meadows and meadow steppes of the Forest-steppe Subregion of Eurasian Steppe Region.

According to floristical zoning (Zaverukha, 1985) the territory of the National Nature Park belongs to Postocchia-Podillian District of Liublino-Volyn-Podillian Sub-province of Central European Province of North Palearctic Sub-kingdom of Holarctic Kingdom.

Zoogeographical zoning: Podillian-Ternopil Steppe Area, Volyn-Podillian Forest-Steppe Region, Dnieper-Halych District of European Forest-Steppe Zone (Nature..., 1980).

3 - Why is the Site important?

3.1 - Ramsar Criteria and their justification

<no data available>

Criterion 2 : Rare species and threatened ecological communities

Criterion 3 : Biological diversity

Justification

The Site provides habitats for various species, supporting the biological diversity of the Central European biogeographical region of mixed forests. Rich and diverse flora of the territory contributes to the maintenance of specific characteristics of the biogeographical region.
Fauna of the Site is represented by 133 species of birds, 33 species of mammals, 10 species of amphibians, 9 species of reptiles, 24 species of fish, 45 species of insects.
Floristic abundance consists of 474 species of 100 families, belonging to 4 divisions: Equisetophyta – 1, Pteridophyta – 5, Pinophyta – 4, Magnoliophyta – 464. The Site holds diverse plant communities: Meadow-steppe - 15 associations of the class Festuco-Brometea BR.-BL. ET R.TX. 1943, Wetland phytocoenoses – 7 associations of the class Potametea RTx. et Prsg, Riparian-aquatic – 4 associations of the class Phragmito-Magnocaricetea Klika in Klika et Novak 1941, Forest phytocoenoses – 4 associations of the class Querco-Fagetea BR.-BL. ET Vlieger 1937 i Quercetea pubescenti-petraeae Jakucs (1960) 1961. 27 plant associations are included in the Green Book of Ukraine (2009).

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

Criterion 7 : Significant and representative fish

Justification

Waters of Bakotska Bay support more than 24 species of fish. Part of them is included in the Red Data Book of Ukraine, in particular *Alburnoides bipunctatus*, *Barbus barbus*, *Carassius carassius*, *Rutilus frisii*, *Zingel zingel*. A number of species are important for the ecosystem: *Chondrostoma nasus*, *Gobius fluviatilis*, *Leucaspius delineates*, *Leuciscus leuciscus*, *Rhodeus sericeus*, *Silurus glanis*.

Criterion 8 : Fish spawning grounds, etc.

Justification

The Site is also important as spawning and fattening grounds of common fish species such as *Abramis brama*, *Alburnus alburnus*, *Blicca bjorkna*, *Carassius gibelio*, *Cyprinus carpio*, *Esox lucius*, *Gobio gobio*, *Gymnocephalus cernua*, *Hypophthalmichthys milirix*, *Leuciscus cephalus*, *Lucioperca lucioperca*, *Misgurnus fossilis*, *Neogobius gymnotrachelus*, *Perca fluviatilis*, *Rutilus rutilus*, *Scardinius erythrophthalmus* and others.

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>Astragalus monspessulanus</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - VU	
TRACHEOPHYTA/ LILIOPSIDA	<i>Cephalanthera damasonium</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - NT	
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Cytisus albus</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - VU	
TRACHEOPHYTA/ LILIOPSIDA	<i>Epipactis atrorubens</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - VU	
TRACHEOPHYTA/ LILIOPSIDA	<i>Epipactis purpurata</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	Red Data Book of Ukraine - NT	
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Pulsatilla grandis</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	Red Data Book of Ukraine - VU	
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Rhamnus globosa</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - NT	
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Scutellaria supina</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - NT	
TRACHEOPHYTA/ LILIOPSIDA	<i>Stipa pennata</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - VU	
TRACHEOPHYTA/ LILIOPSIDA	<i>Stipa pulcherrima</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - VU	

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																	
ARTHROPODA/ INSECTA	<i>Cerambyx cerdo</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		VU	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
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"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA/ MAMMALIA	<i>Cricetus cricetus</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"/>	Appendix II of Bern convention, Red Data Book of Ukraine - NE	
CHORDATA/ MAMMALIA	<i>Eptesicus serotinus serotinus</i>	<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"/>		2012-2018			<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	The Site supports summer maternity colonies
CHORDATA/ MAMMALIA	<i>Felis silvestris</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	
ARTHROPODA/ INSECTA	<i>Iphiclides podalirius</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			<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA/ REPTILIA	<i>Lacerta viridis</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	
ARTHROPODA/ INSECTA	<i>Lucanus cervus</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"/>		2012-2018			<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - LC	
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"/>		2012-2018		NT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, Red Data Book of Ukraine - NE	
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"/>		2012-2018		CR	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - EN	
CHORDATA/ MAMMALIA	<i>Myotis daubentonii</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"/>	300	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA/ MAMMALIA	<i>Nyctalus noctula noctula</i>	<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"/>	300	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - VU	The Site supports summer maternity colonies

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								
ARTHROPODA/ INSECTA	<i>Papilio machaon</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			<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA/ MAMMALIA	<i>Pipistrellus kuhlii</i>	<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"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - VU	Single winter shelters are found within the Site
CHORDATA/ MAMMALIA	<i>Plecotus auritus auritus</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2012-2018			<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - VU	winter shelters are found within the site
CHORDATA/ MAMMALIA	<i>Plecotus austriacus</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"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - NT	Winter shelters are found within the site
CHORDATA/ MAMMALIA	<i>Rhinolophus hipposideros hipposideros</i>	<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"/>	900	2012-2018			<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - VU	Numerous summer maternity colonies of the species are recorded within the site
Fish, Mollusc and Crustacea																	
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"/>		2012-2018		VU	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - EN	
CHORDATA/ ACTINOPTERYGII	<i>Alburnoides bipunctatus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		2012-2018			<input type="checkbox"/>	<input type="checkbox"/>		Spices spawns and feeds within the Site
CHORDATA/ ACTINOPTERYGII	<i>Barbus barbus</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/ 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 type="checkbox"/>	<input type="checkbox"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA/ ACTINOPTERYGII	<i>Chondrostoma nasus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		Spices spawns and feeds within the Site
CHORDATA/ ACTINOPTERYGII	<i>Leucaspius delineatus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		Spices spawns and feeds within the Site
CHORDATA/ ACTINOPTERYGII	<i>Leuciscus leuciscus</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/ ACTINOPTERYGII	<i>Neogobius fluviatilis</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		Spices spawns and feeds within the Site
CHORDATA/ ACTINOPTERYGII	<i>Rhodeus sericeus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		2012-2018			<input type="checkbox"/>	<input type="checkbox"/>		Spices spawns and feeds within the Site
CHORDATA/ ACTINOPTERYGII	<i>Rutilus frisii</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"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	
CHORDATA/ ACTINOPTERYGII	<i>Silurus glanis</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		Spices spawns and feeds within the Site
CHORDATA/ ACTINOPTERYGII	<i>Zingel zingel</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	Spices spawns and feeds within the Site
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"/>	4	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	
CHORDATA/ AVES	<i>Accipiter nisus</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"/>	4	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ AVES	<i>Alcedo atthis</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"/>	8	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ AVES	<i>Bubo bubo</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"/>	2	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - NT	The Site is breeding ground for the species.
CHORDATA/ AVES	<i>Bucephala clangula</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	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA/ AVES	<i>Buteo buteo</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"/>	2	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ AVES	<i>Ciconia nigra</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"/>	2	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA/ AVES	<i>Circaetus gallicus</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"/>	1	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	

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>Crex crex</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"/>	4	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/AVES	<i>Falco naumanni</i>	<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"/>	2	2012-2018		LC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	listed in the Red Data Book of Ukraine - CR	The Site supports species support during autumn migrations and in winter
CHORDATA/AVES	<i>Falco peregrinus</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"/>	1	2012-2018		LC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA/AVES	<i>Falco tinnunculus</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"/>	4	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/AVES	<i>Lanius excubitor</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"/>	4	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA/AVES	<i>Merops apiaster</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"/>	30	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/AVES	<i>Milvus migrans</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"/>	2	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA/AVES	<i>Motacilla 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"/>	50	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/AVES	<i>Motacilla flava</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"/>	5	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/AVES	<i>Pandion haliaetus</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"/>	2	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	
CHORDATA/AVES	<i>Picus viridis</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"/>	4	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA/AVES	<i>Riparia riparia</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"/>	40	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		

1) Percentage of the total biogeographic population at the site

Fauna of the Site “Bakotska Bay” is rich and diverse, including a significant number of red-listed species of birds, reptiles, mammals and fish. In particular, bats are widespread (*Rhinolophus hipposideros*, *Myotis daubentonii*, *Plecotus auritus*, *Nyctalus noctula*), for which the Site provides species habitats such as winter shelters, summer maternal shelters and feeding areas.

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
Amygdaletum (nanae) festucosum (valesiaca)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Quercetum (roboris) comoso (maris)-convallariosum (majalis)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Quercetum (roboris) comoso (maris)-galeobdolosum (lutei)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, extinction are threatened with extinction
Quercetum (roboris) swidoso (sanguinea)-caricosum (brevicollis)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Stipetum (capillatae) festucosum (valesiaca)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Caricetum (humilis) sesleriosum (heulerana)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Carpineto (betuli)-Fraxineto (excelsioris)-Quercetum (roboris) aliosum ursini	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Carpineto (betuli)-Quercetum (roboris) scopiosum (carniolicae)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Poetum (versicoloris) stiposum (capillatae)	<input type="checkbox"/>		listed in the Green Data Book of Ukraine, rare
Poetum (versicoloris) seslerietum heuferanae purum	<input type="checkbox"/>		listed in the Green Data Book of Ukraine, rare
Caricetum (humilis) brachypodiosum (pinnati)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine
Quercetum (roboris) cornoso (maris)-caricosum (pilosae)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, extinction are threatened with extinction
Quercetum (roboris) cornoso (maris)-caricosum (montanae)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, extinction are threatened with extinction
Caricetum (humilis) stiposum (capillatae)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Amygdaletum nanae purum	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Stipetum (capillatae) brachypodiosum (pinnati)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Poetum (versicoloris) potentillosum (arenariae)	<input type="checkbox"/>		listed in the Green Data Book of Ukraine, rare
Seslerietum (heuferanae) festucosum (valesiaca)	<input type="checkbox"/>		listed in the Green Data Book of Ukraine, rare
Seslerietum (heuferanae) inulosum (ensifoliae)	<input type="checkbox"/>		listed in the Green Data Book of Ukraine, rare
Seslerietum (heuferanae) teucrosium (chamaedrys)	<input type="checkbox"/>		listed in the Green Data Book of Ukraine, rare
Stipetum (capillatae) botriochloosum (ischaemi)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Stipetum (capillatae) poosum (versicoloris)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Stipetum (capillatae) potentillosum (arenariae)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Poetum (versicoloris) caricosum (humilis)	<input type="checkbox"/>		listed in the Green Data Book of Ukraine, rare
C2.12 Hard water springs	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
C3.51 Euro-Siberian dwarf annual amphibious swards (but excluding C3.5131 Toad-rush swards)	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
C3.55 Sparsely vegetated river gravel banks	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
C3.62 Unvegetated river gravel banks	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
E1.2 Perennial calcareous grassland and basic steppes	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
E3.4 Moist or wet eutropic and mesotrophic grassland	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
E1.11 Euro-Siberian rock debris swards	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
F3.241 Central European subcontinental thickets	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
F9.1 Riverine scrub	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
G1.21 Riverine Fraxinus - Alnus woodland, wet at high but not at low water	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
G1.6 Fagus woodland	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
G1.7 Thermophilous deciduous woodland	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
G1.8 Acidophilous Quercus- dominated woodland	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
G1.A1 Quercus-Fraxinus-Carpinus betulus woodland on eutrophic and mesotrophic soils	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
G1.A4 Ravine and slope woodland	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
H1 Terrestrial underground caves, cave systems, passages and waterbodies	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
X18 Wooded steppe	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
Carpineteo (betuli)-Quercetum (roboris) hederosum (helicis)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
Caricetum (humilis) festucosum (valesiacae)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Stipetum (capillatae) stuposum (pulcherrimae)	<input checked="" type="checkbox"/>		listed in the Green Data Book of Ukraine, are threatened with extinction
E2.2 Low and medium altitude hay meadows	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention

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

4.1 - Ecological character

The Site was formed after the flooding of a riverside territory of the Dniester in the process of filling the Dniester Reservoir. It is a half-open bay with small depths and weak flow. The shore of the Site is formed by the limestone walls of the canyon and gentle slopes of forested or agricultural areas.

According to climatic zoning, this area is situated in the Atlantic-continental region of the temperate zone. The microclimate of the region is formed against the background of general climatic conditions under the influence of the features of the relief of Podilsky and Tovtrovsky ridge. The peculiarities of orography and the favorable geographical position of the territory and the forest cover create special microclimatic conditions in the area, which have a beneficial effect on the amount of rainfall and the temperature regime. Tovtry promotes a softer thermal regime. The average temperature of the summer season here is higher than in the center of the region by 0.8 °C, and its duration is longer by 10 days. The sum of active temperatures (above 10 °C) exceeds 2600 °C. The climate of the area is temperate with moderate air temperature differences between summer and winter, and is moderately humid (600-700 mm annually).

The natural vegetation of the basin is substituted, to a great extent, by agricultural land, settlements and planted tree stands.

The Site is characterized by rich and typical for the region flora and fauna, interesting geological history and picturesque views. An unusual combination of landscape, availability of cultural-historical monument (rock monastery of the 12th century) at Bakotska Bay make the place attractive for numerous visitors.

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

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type
6: Water storage areas/Reservoirs		1	1400

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Riparian forested areas	190

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Phylum	Scientific name	Position in range / endemism / other
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Adonis vernalis</i>	Red Data Book of Ukraine - NE, Annex II of CITES
TRACHEOPHYTALILIOPSIDA	<i>Alisma plantago-aquatica</i>	IUCN Red List - LC
TRACHEOPHYTALILIOPSIDA	<i>Carex acuta</i>	IUCN Red List - LC
TRACHEOPHYTALILIOPSIDA	<i>Epipactis helleborine</i>	IUCN Red List - LC, Red Data Book of Ukraine - NE, Annex II of CITES
TRACHEOPHYTALILIOPSIDA	<i>Galanthus nivalis</i>	IUCN Red List - NT, Red Data Book of Ukraine - NE, Annex II of CITES
TRACHEOPHYTALILIOPSIDA	<i>Lilium martagon</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Linum flavum basarabicum</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTALILIOPSIDA	<i>Neottia ovata</i>	Red Data Book of Ukraine - NE, Annex II of CITES
TRACHEOPHYTALILIOPSIDA	<i>Platanthera bifolia</i>	Red Data Book of Ukraine - NE, Annex II of CITES
TRACHEOPHYTALILIOPSIDA	<i>Platanthera chlorantha</i>	Red Data Book of Ukraine - NE, Annex II of CITES
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Pulsatilla pratensis</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTALILIOPSIDA	<i>Sagittaria sagittifolia</i>	IUCN Red List - LC
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Schivereckia podolica</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTALILIOPSIDA	<i>Stipa capillata</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTALILIOPSIDA	<i>Typha latifolia</i>	IUCN Red List - LC

Invasive alien plant species

Phylum	Scientific name	Impacts	Changes at RIS update
TRACHEOPHYTALILIOPSISIDA	<i>Acorus calamus</i>	Actual (minor impacts)	No change
TRACHEOPHYTAMAGNOLIOPSISIDA	<i>Ailanthus altissima</i>	Actual (major impacts)	increase
TRACHEOPHYTALILIOPSISIDA	<i>Bromus arvensis</i>	Actual (minor impacts)	No change
TRACHEOPHYTALILIOPSISIDA	<i>Digitaria ischaemum</i>	Actual (minor impacts)	No change
TRACHEOPHYTALILIOPSISIDA	<i>Echinochloa crus-galli</i>	Actual (minor impacts)	No change
TRACHEOPHYTAMAGNOLIOPSISIDA	<i>Elaeagnus angustifolia</i>	Actual (major impacts)	No change
TRACHEOPHYTALILIOPSISIDA	<i>Elodea canadensis</i>	Actual (major impacts)	No change
TRACHEOPHYTAMAGNOLIOPSISIDA	<i>Erigeron annuus</i>	Actual (major impacts)	No change
TRACHEOPHYTAPINOPSISIDA	<i>Pinus sylvestris</i>	Actual (major impacts)	No change
TRACHEOPHYTAMAGNOLIOPSISIDA	<i>Robinia pseudoacacia</i>	Actual (major impacts)	increase

4.3.2 - Animal species

Invasive alien animal species

Phylum	Scientific name	Impacts	Changes at RIS update
MOLLUSCA/BIVALVIA	<i>Dreissena polymorpha</i>	Actual (major impacts)	increase
MOLLUSCA/GASTROPODA	<i>Lithoglyphus naticoides</i>	Actual (major impacts)	No change
CHORDATA/ACTINOPTERYGII	<i>Percottus glenii</i>	Actual (minor impacts)	No change
CHORDATA/ACTINOPTERYGII	<i>Pseudorasbora parva</i>	Actual (minor 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)

Climate of the site is moderately continental, with mild winters, and warm, humid summers. An average January temperature is -5.5°C; average July temperature is +18.8°C. The period with temperatures above +10°C lasts for about 168 days. During the monitoring period (2012-2018), an increase in the average air temperature and decrease in rainfall were observed that has a negative impact on the water content in the wetland and its biodiversity.

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.

The Dniester River Basin

4.4.3 - Soil

Mineral

(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)

Sod-carbonate soils, in places with outcrops of bedrock, are widespread as well as surface weak- stone soils, eroded, of different depth.

4.4.4 - Water regime

Water permanence

Presence?	Changes at RIS update
Usually permanent water present	

Source of water that maintains character of the site

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

Water destination

Presence?	Changes at RIS update
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.

During the low water period on the Dniester, the depth of Bakotska Bay is circa 30 m; the width is 1,700 m, the current velocity of the river in the main channel is 0.7-3.0 m/sec. During floods, which are observed more often in May-June, the water level can rise by 6 m, but do not overflow the banks of the Dniester canyon. In winter, water in the bay freezes.

(ECD) Connectivity of surface waters and of groundwater

Small streams and sources from surrounding limestone rocks run into the bay. The water regime within the site depends on the Dniester runoff and activities of the Dniester 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

Sediment regime unknown

Please provide further information on sediment (optional):

Due to generally permanent water flow, the sediments are predominantly formed during spring. More than 500 g/m3.

4.4.6 - Water pH

Circumneutral (pH: 5.5-7.4)

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

Unknown

Please provide further information on pH (optional):

Dynamics of pH value indicates the activity of photosynthesis processes in the summer period and is associated with the development of algae and emergent vegetation.

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

Mesotrophic

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

Unknown

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

In general, the water quality is satisfactory (there are water intake facilities near the site, providing water for the needs of Kamyanets-Podilskyi), though water is definitely somewhat polluted by the cities of Stebnyk, Kalush, Drohobych, Galych, and Ivano-Frankivsk.

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

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 energy production (hydro-electricity)	Medium

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Storage and delivery of water as part of water supply systems for agriculture and industry	Medium
Erosion protection	Soil, sediment and nutrient retention	Medium
Pollution control and detoxification	Water purification/waste treatment or dilution	Medium
Climate regulation	Local climate regulation/buffering of change	Medium
Climate regulation	Regulation of greenhouse gases, temperature, precipitation and other climactic processes	Medium
Hazard reduction	Flood control, flood storage	Medium

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Picnics, outings, touring	High
Recreation and tourism	Recreational hunting and fishing	High
Recreation and tourism	Water sports and activities	High
Recreation and tourism	Nature observation and nature-based tourism	High
Spiritual and inspirational	Spiritual and religious values	High
Spiritual and inspirational	Inspiration	High
Scientific and educational	Educational activities and opportunities	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	Type location for a taxon	High
Scientific and educational	Long-term monitoring 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	Medium
Nutrient cycling	Storage, recycling, processing and acquisition of nutrients	Medium
Pollination	Support for pollinators	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

Description if applicable

The main historical-cultural and religious object of the site is Bakotskyi Rock Cave Monastery of the 12th century, known in Ukraine and abroad. Though no monks live there for two last centuries, people still continue visiting the sacred place.

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 type="checkbox"/>	<input checked="" type="checkbox"/>

Private ownership

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

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

a) within the Ramsar site:

State ownership on lands of the Water Fund of Ukraine, including the area of water and riverside protection stripes on both sides of the river and the bay within the Podilski Tovtry National Nature Park. The state of the river and riverside stripes is controlled by the Dniester Regional Basin Department. 70% of lands belong to the water-protection zone of the Dniester River.

b) in the surrounding area:

Nearby all the lands are within the Podilski Tovtry National Nature Park: other lands of state property – lands of the water fund; lands of populated areas (private and municipal), and private agricultural lands (arable lands, pastures, gardens).

5.1.2 - Management authority

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

Podilski Tovtry National Nature Park (responsible for conservation and recreational activity)
Dniester Basin Department of Water Resources (responsible for water areas)
Local authorities (Stara Ushytsia and Kytaihorod Regional Territorial Communities)

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

Oleksandr Otsyshen, Director of Podilski Tovtry National Nature Park

Postal address:

6 Polskyi Rynok Square, Kamianets-Podilskyi, Khmelnytskyi Region, 32301 Ukraine

E-mail address:

npptovtry@ukr.net

5.2 - Ecological character threats and responses (Management)

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

Human settlements (non agricultural)

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Tourism and recreation areas	High impact	High impact	<input checked="" type="checkbox"/>	increase	<input checked="" type="checkbox"/>	increase

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Water abstraction	Medium impact	Medium 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

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

Energy production and mining

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Renewable energy	Medium impact	Medium 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
Shipping lanes	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Roads and railroads	Low impact	Low impact	<input 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
Gathering terrestrial plants	Medium impact	Medium impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Fishing and harvesting aquatic resources	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	Low impact	<input checked="" type="checkbox"/>	No change	<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
Dams and water management/use	Medium impact	Medium 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	High impact	High 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
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	High impact	High 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
Droughts	High impact	High impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

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	Emerald Network Site UA0000011 Podilski Tovtry National Nature Park	https://emerald.eea.europa.eu/	partly

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
National Nature Park	Podilski Tovtry	http://www.npptovtry.org.ua	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
Improvement of water quality	Partially implemented
Habitat manipulation/enhancement	Partially implemented
Catchment management initiatives/controls	Partially implemented

Species

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

Human Activities

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

Other:

Invasive alien plants: Sosnowsky's hogweed (*Heracleum sosnowskyi*), Annual ragweed (*Ambrosia artemisiifolia*) - mechanical destruction.
 Invasive alien animal: control.
 Species management programmes: Eurasian eagle-owl (*Bubo bubo*) - monitoring and study of diet. Reintroductions: pasque flower (*Pulsatilla grandis*).
 Management of recreational activities provides a control to disturbance. There are implemented communication, education, and participation and awareness activities.

5.2.5 - Management planning

Is there a site-specific management plan for the site? Yes

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:

Scientific research is conducted with active participation of the employees of the Institute of Ecology of the Carpathians of the National Academy of Sciences of Ukraine (Lviv), M.G. Kholodny Institute of Botany and the I.I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine (Kyiv).

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

Birds, small mammals and bats are monitored on the territory.
 Some species of plants are being observed.

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Wetland management of Kamianetsky Dniester Region: monograph / V.I. Karamushka, L.G. Liubinska, M.D. Matveev, O.P. Kuchynska, I.P. Kasiianyk, A.I. Yushchuk, N.A. Chaika, V.B. Havryliuk, M.M. Riabyi, O.S. Tarasova, M.V. Drebet, A.O. Nikitin, M.I. Kozak, V.A. Kolodii. - Kamianets-Podilskyi: Moshynskyi Press, 2011. - 170 p. [in Ukrainian]

Drebet M.V. Results of the analysis of osteological material from the litter of the bird nest of *Bubo bubo* (L.) within the site "Bakotska Bay". Ecology of birds: species, communities, interconnections. Proceedings of scientific conference, dedicated to the 150th birthday anniversary of M.M. Somov (1861-1923). 1-4 Dec 2011, Kharkiv, Ukraine. In 2 books. Book 2. Pod. Ed. by M.V. Banik, A.A. Atemasov, O.A. Brezhunova. Kharkiv, 2011. - P. 237-240. (Somov Library, Issue 1. Book 2.). [in Ukrainian]

Matveyev M., Tarasenko M., Drebet M. Avifauna of wetlands of international importance "Bakotska Bay" // Regional aspects of floristic and faunal research: materials of the first international scientific and practical conference (April 10-12, 2014, Khotin) / Ed. I.V., Skilskyi; Ministry of Ecology and Natural Resources of Ukraine, National Nature Park "Khotynski", etc. - Chernivtsi: Druk Art Press, 2014. - P. 231-233; [in Ukrainian]

Wetlands of Podillia: monograph / Ed. by Balashov L.S., Lyubinska L.G., Matveev M.D., Kasianik I.P. - Kamianets-Podilsky: "Ruta Press" Ltd., 2014. - 240 p. [in Ukrainian]

Horbniak L.T. Bakotska Bay as a factor in the society development / L.T. Horbniak, T.V. Horbniak // Proceedings of the International Scientific Conference "Podessinia in the context of European Historical and Natural Heritage" (Chernihiv, April 15-17, 2016). [in Ukrainian]

Chervona knyha Ukrainy (Red Data Book). Roslynnyy svit / za red. J. Diducha. – K. Globalkonsaltyng, 2009. – 900 s. [in Ukrainian]

Chervona knyha Ukrainy (Red Data Book). Tvarynnyy svit / za red. I. Akimova. – K. Globalkonsaltyng, 2009. – 600 s. [in Ukrainian]

Zelena knyha Ukrainy (Green Data Book) / pid red. J. Diducha. – K.: Alterpres, 2009. – 448 s. [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

<1 file(s) uploaded>

vi. other published literature

<no file available>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



Bakotska Bay (Mykhailo Drebet, 03-07-2009)



Bakotska Bay (Mykhailo Drebet, 24-07-2015)



Bakotska Bay (Mykhailo Drebet, 10-09-2009)



Bakotska Bay (Mykhailo Drebet, 07-07-2008)



Bakotska Bay (Mykhailo Drebet, 29-06-2007)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation