



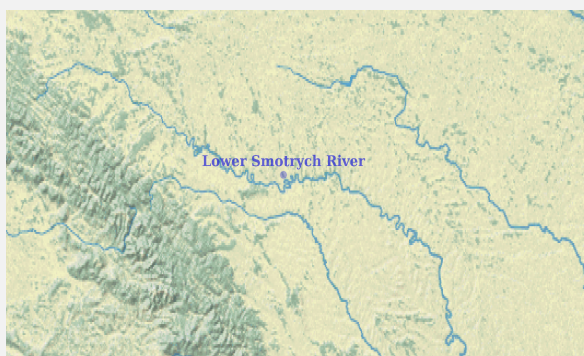
Ramsar Information Sheet

Published on 24 November 2021

Update version, previously published on : 1 January 2003

Ukraine

Lower Smotrych River



Designation date	17 November 2003
Site number	1401
Coordinates	48°36'32"N 26°36'05"E
Area	1 480,00 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 south of Kamianets-Podilskiy District of Khmelnytskyi Region. It is a unique area of lower reaches of the Smotrych River which encompasses a narrow canyon area of the river and its delta (floodplain) part. The Site holds diverse landscapes, including the river channel with its relatively fast flow, canyons, gently sloping and cliff river banks, meanders, forest stands, steppe areas, anthropogenic areas and settlements.

The Site provides habitats for various species of wildlife, playing an important role for the conservation of endangered species at the global and national level. Among them *Epipactis purpurata*, *Pulsatilla grandis*, *Rhamnus tinctoria*, *Cephalanthera damasonium*, *Epipactis atrorubens*, *Epipactis purpurata*, *Euphorbia volhynica* are listed in Annex II CITES. The Site is important for breeding species such as *Accipiter gentilis* and *A. nisus*, *Buteo buteo*, *Crex crex*, *Alcedo atthis*; *Falco tinnunculus*. In the breeding period, the territory is visited by hunting *Ciconia ciconia*, *Milvus migrans*, *Circaetes gallicus*, *Ardea cinerea*. The Site is crucial for the reproduction of rare species of fish, namely *Rutilus frisii*, *Alburnoides bipunctatus rossicus*, *Leuciscus leuciscus*, *Barbus barbus*.

An interesting combination of landscapes, availability of cultural-historical monuments (Panivetskyi Castle, churches) makes this area attractive for numerous visitors. Abundant vegetation cover, which includes relic phytocoenoses and rarities of the global and European level as well as geological values, represents great scientific importance.

The Site is part of a 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 Polskiy Rynok Square, Kamianets-Podilskiy, Khmelnytskyi Region, 32301, Ukraine

National Ramsar Administrative Authority

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

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)	Lower Smotrych River
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2.1.4 - Changes to the boundaries and area of the Site since its designation or earlier update

(Update) A. Changes to Site boundary	Yes <input checked="" type="radio"/> No <input type="radio"/>
(Update) The boundary has been delineated more accurately	<input checked="" type="checkbox"/>
(Update) The boundary has been extended	<input type="checkbox"/>
(Update) The boundary has been restricted	<input type="checkbox"/>
(Update) B. Changes to Site area	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?	Not evaluated
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2.2 - Site location

2.2.1 - Defining the Site boundaries

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

Former maps	0
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Boundaries description

The Site is located in the south of Kamianets-Podilskiy District, Khmelnytskyi Region. The boundaries of the Site follows riverside lands of the lower part of the Smotrych River. In the north, the Site borders on the town of Kamianets-Podilskiy, in the south – on the mouth zone of the Smotrych River and Dniester Reservoir. The boundary includes a large floodplain forest area connected to the river, limited by arable land on the landward side.

The Site lies within boundaries of the villages of Tsybulivka (1 km, 550 people), Ziubrivka (3.0 km; 895 people), Panivtsi (4.5 km; 220 people), Shutnivtsi (6.5 km; 2,700 people), Ustia (10.0 km; 2,700 people), Tsviklivtsi (9.0 km; 2,700 people), and 1 km to the south-east from the town of Kamianets-Podilskiy (1.2 km; 100,000 people).

2.2.2 - General location

a) In which large administrative region does the site lie?	Kamianets-Podilskiy District, Khmelnytskyi Region
b) What is the nearest town or population centre?	Kamianets-Podilskiy town

2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other countries?	Yes <input type="radio"/> No <input checked="" type="radio"/>
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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 forest 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

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

Hydrological services provided	The wetland plays an essential role in the natural functioning of the Dniester river basin. The Site contributes to the natural control and mitigation of floods, is important for seasonal conservation of water for other downstream areas. It provides water supply for local people.
Other ecosystem services provided	The territory is popular for summer recreation. There are aquatic tourist routes within the Site.
Other reasons	The Site represents a unique area of the Smotrych River, consisting of the narrowed canyon area of the river and its delta (floodplain) area. The rocky slopes of the canyon create good conditions for nesting of birds of prey, while the floodplain area – for the reproduction of waterbirds and for spawning of various fish species. At the same time, the Site is rather typical for both the Podolian Highland and in some way for the upper Dniester area within the Continental biogeographical region.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification	<p>The Site provides habitats for various species, supporting biological diversity of Central European biogeographical region of mixed forests. The rich and diverse flora of the territory contributes to the maintenance of specific characteristics of the biogeographical region.</p> <p>Fauna of the Site is represented by about 133 species of birds, 30 species of mammals, 10 species of amphibians, 9 species of reptiles, 25 species of fish, 139 species of insects. A significant number of them is included in international and/or national red lists.</p> <p>Floristic abundance included 610 species of 95 families, belonging to Equisetophyta – 3, Pteridophyta – 5, Pinophyta – 4, Magnoliophyta – 598.</p> <p>The Site holds diverse plant communities:</p> <p>Meadow-steppe - 15 associations of the class Festuco-Brometea BR.-BL. ET R.TX. 1943</p> <p>Rock-limestone phytocoenoses – 3 associations of the class Asplenieta trichomanis (Br.-Bl. in Meier et Br.-Bl. 1934) Oberd. 1977,</p> <p>Aquatic phytocoenoses – 5 associations of the class Lemneta R.Tx. 1955,</p> <p>Wetland phytocoenoses– 10 associations of the class Potametea RTx. et Prsg</p> <p>Riverside-aquatic – 9 associations of the class Phragmito-Magnocaricetea Klika in Klika et Novak 1941</p> <p>Forest phytocoenoses – 7 associations of the class Querco-Fagetea BR.-BL. ET Vlieger 1937 i Quercetea pubescenti-petraeae Jakucs (1960) 1961.</p> <p>29 plant associations (according to the dominant classification) are included in the Green Book of Ukraine (2009).</p>
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- Criterion 4 : Support during critical life cycle stage or in adverse conditions

- Criterion 7 : Significant and representative fish

Justification	The Site is important as spawning grounds of common fish species. The most numerous are <i>Cyprinus carpio</i> , <i>Carassius auratus</i> , <i>Rutilus rutilus</i> , <i>Abramis brama</i> , <i>Perca fluviatilis</i> , <i>Lucioperca lucioperca</i> .
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Criterion 8 : Fish spawning grounds, etc.

Justification

The site is important as spawning grounds of common fish species such as pike *Esox lucius* L., crucian *Carassius gibelio* Bloch, *C. carassius* L., perch *Perca fluviatilis* L., roach *Rutilus rutilus* L., dace *Leuciscus leuciscus* L., chub *L. cephalus* L., Scardinius erythrophthalmus L., *Gobio gobio* L., *Blicca bjorkna* L., loach *Misgurnus fossilis* L., *Alburnus alburnus* L., bream *Abramis brama* L., *Barbus barbus* L., *Neogobius gymnotrachelus* Kessler.

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 / LILIOPSIDA	<i>Alisma plantago-aquatica</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA / LILIOPSIDA	<i>Allium obliquum</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - EN	
TRACHEOPHYTA / LILIOPSIDA	<i>Allium strictum</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - LC	
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>Carex acuta</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA / LILIOPSIDA	<i>Cephalanthera damasonium</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - LC	
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 / MAGNOLIOPSIDA	<i>Dictamnus albus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - LC	
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 - LC	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Euphorbia illirica</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - LC	
TRACHEOPHYTA / LILIOPSIDA	<i>Iris pseudacorus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
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 saxatilis tinctoria</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - LC	
TRACHEOPHYTA / LILIOPSIDA	<i>Sagittaria sagittifolia</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Salvia nutans</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - LC	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Scutellaria supina</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red Data Book of Ukraine - LC	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Staphylea pinnata</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	Red Data Book of Ukraine - LC	
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	
TRACHEOPHYTA / LILIOPSIDA	<i>Typha angustifolia</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA / LILIOPSIDA	<i>Typha latifolia</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		

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"/>				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"/>				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"/>				CR	<input type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, Red Data Book of Ukraine - NE	
CHORDATA / MAMMALIA	<i>Eptesicus 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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, Red Data Book of Ukraine - VU	The Site is one of the most important habitat for the species in the region
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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, 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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, 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"/>					<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	
CHORDATA / MAMMALIA	<i>Lutra lutra</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				NT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, Red Data Book of Ukraine - NE	
CHORDATA / MAMMALIA	<i>Myotis daubentonii</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	The Site is one of the most important habitat for the species in the region
CHORDATA / MAMMALIA	<i>Nyctalus 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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, Red Data Book of Ukraine - VU	The Site is one of the most important habitat for the species in the region
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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, Red Data Book of Ukraine - VU	The Site is one of the most important habitat for the species in the region
CHORDATA / MAMMALIA	<i>Plecotus auritus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, Red Data Book of Ukraine - VU	The species uses the area as a foraging habitat and winter shelters
CHORDATA / MAMMALIA	<i>Plecotus austriacus</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"/>				NT	<input type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, Red Data Book of Ukraine - NT	The species uses the area as a foraging habitat and winter shelters
CHORDATA / MAMMALIA	<i>Rhinolophus 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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix II of Bern convention, Red Data Book of Ukraine - VU	The species uses the area as a foraging habitat and winter shelters
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 type="checkbox"/>	<input type="checkbox"/>				VU	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - EN	
CHORDATA / ACTINOPTERYGII	<i>Barbus barbus</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 checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	spawns and feeds here
CHORDATA / ACTINOPTERYGII	<i>Carassius carassius</i>	<input checked="" 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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukrainen - VU	spawns and feeds here
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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
CHORDATA / ACTINOPTERYGII	<i>Rutilus frisii</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 checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	spawns and feeds here
Birds																	
CHORDATA / AVES	<i>Anas platyrhynchos</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4000	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>		Mass migratory species

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Aythya ferina</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	500	2012-2018		VU	<input type="checkbox"/>	<input type="checkbox"/>		Mass migratory species, The highest number is observed in the March
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"/>	4	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - NT	Mass regularly wintering birds
CHORDATA / AVES	<i>Ciconia nigra</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"/>	Bern - II, listed in the Red Data Book of Ukraine - NT	
CHORDATA / AVES	<i>Milvus migrans</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 type="checkbox"/>	Red Data Book of Ukraine - VU	Rare migratory and summering species
CHORDATA / AVES	<i>Pandion haliaetus</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 type="checkbox"/>	listed in the Red Data Book of Ukraine - EN, Appendix II of the Bern Convention	Rare migratory and summering species
CHORDATA / AVES	<i>Picus viridis</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"/>	8	2012-2018		LC	<input type="checkbox"/>	<input type="checkbox"/>	Red Data Book of Ukraine - VU	A rare nesting species in the region. Forests within the Site are its habitat

1) Percentage of the total biogeographic population at the site

The Site provides special habitats for bats such as winter sheltets, 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
E1.11 Euro-Siberian rock debris swards	<input checked="" type="checkbox"/>		listed in the Resolution No. 4 of the Bern Convention
E2.2 Low and medium altitude hay meadows	<input 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
X18 Wooded steppe	<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
G1.7 Thermophilous deciduous 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
G1.8 Acidophilous Quercus- dominated woodland	<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
G1.6 Fagus woodland	<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
F9.1 Riverine scrub	<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
E3.4 Moist or wet eutropic and mesotrophic grassland	<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
C3.62 Unvegetated river gravel banks	<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
C3.51 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
C2.12 Hard water springs	<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 represents a unique area of lower reaches of the Smotrych River which encompasses a narrowed canyon area of the river and its delta (floodplain) part. The Site holds diverse landscapes, including the river channel with its relatively fast flow, canyons, gently sloping and cliff river banks, meandres, forest stands, steppe areas, anthropogenic areas and settlements.

During the low water period, the depth of the Smotrych River ranges from 2 m (near Tsybulivka Village) to 15 m (near Ustia Village), the width is 20 m, velocity – 0.7-3 m/sec.

During floods, which are observed more often in May-June, the water level can rise by 1-5 m, but do not overflow the banks of the Dniester canyon. In winter, water in the river freezes. Small streams and sources from surrounding limestone rocks run into the river. The water regime within the Site greatly depends on the formation of the river runoff and activities of the Dniester Hydropower Station and Kamianets-Podilskyi Hydropower Station.

Climate of the area is moderately continental, with mild unstable winter, relatively dry spring, warm summer with sufficient rainfall.

However, in some years, the winters can be cold with a lot of snow, late spring and rainy autumn. In recent years, prolonged summer draughts and increase in temperature are observed that has an adverse impact on the water basin of the Site and its biodiversity. The water is generally permanent, feeds on groundwater.

Anthropogenic practices include forestry, cattle grazing, haymaking, sport fishing, recreation.

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 >> L: Permanent inland deltas		2		Representative
Fresh water > Flowing water >> M: Permanent rivers/ streams/ creeks		1		Representative
Fresh water > Marshes on inorganic soils >> Ts: Seasonal/ intermittent freshwater marshes/ pools on inorganic soils		2		
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		1		Representative

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
TRACHEOPHYTA/LILIOPSIDA	<i>Epipactis helleborine</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTA/LILIOPSIDA	<i>Galanthus nivalis</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTA/LILIOPSIDA	<i>Lilium martagon</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Linum flavum basarabicum</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Pulsatilla pratensis</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Schivereckia podolica</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Scopolia camiolica</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTA/LILIOPSIDA	<i>Stipa capillata</i>	Red Data Book of Ukraine - NE
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Torminalis glaberrima</i>	Red Data Book of Ukraine - NE

Invasive alien plant species

Phylum	Scientific name	Impacts	Changes at RIS update
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Acer negundo</i>	Actual (major impacts)	No change
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Allanthurus altissima</i>	Actual (minor impacts)	increase
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Atriplex tatarica</i>	Actual (minor impacts)	No change
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Bidens frondosa</i>	Actual (minor impacts)	No change
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Cuscuta pentagona</i>	Actual (minor impacts)	No change
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Echinocystis lobata</i>	Actual (major impacts)	No change
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Elaeagnus angustifolia</i>	Actual (major impacts)	No change
TRACHEOPHYTA/LILIOPSIDA	<i>Elodea canadensis</i>	Actual (major impacts)	No change
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Erigeron annuus</i>	Actual (major impacts)	No change
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Heracleum sosnowskyi</i>	Actual (major impacts)	increase
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Impatiens parviflora</i>	Actual (minor impacts)	No change
TRACHEOPHYTA/PINOPSIDA	<i>Pinus sylvestris</i>	Actual (major impacts)	No change
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Robinia pseudoacacia</i>	Actual (major impacts)	increase
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Xanthium albinum</i>	Actual (major impacts)	No change

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)	No change
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)

The sum of active temperatures (above 10°C) exceeds 2600 °C. Especially warm microclimate is in the river valley of the Dniester and mouth zones of valleys of its left tributaries.

Maximum summer temperature reaches 35-37°C, and the lowest temperature is caused by inflow of continental Arctic air to these latitudes. In this case, absolute minimum of air temperatures reaches -31..-35°C.

Average temperature of the warmest month (July) is +18.4°C, the coldest month (January) is -5.9°C. The period with temperatures exceeding +10°C lasts 168 days. Light frosts are typical for the period from early November to late March. Average annual rainfall is near 560 mm, the highest amount of rainfall is recorded in the spring-summer period (70-80% of the annual norm).

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 Dnister 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. The area is represented by dark-gray podzol, chernozem-podzol soils formed mainly on loess layers.

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 precipitation	<input checked="" type="checkbox"/>	No change
Water inputs from groundwater	<input type="checkbox"/>	No change
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:

The Smotrych River with the current velocity 0.2-0.6 m/sec, on cataract areas up to 1.0-2.0 m/sec, is characterized by well-manifested spring floods, low summer water level, which is broken by rain floods, and a rather higher level of water in autumn and winter. The normal value of annual flow rate of the river ranges from 4.5 to 2.0 m³/sec (including from 3.0 to 1.5 m³/sec of the surface flow); small streams and wells from adjacent limestone rocks flow into the river. The river floodplain varies in its width: in some places, it is narrowed to 20-50 m; in the delta area, it is expanding to 600 m. During floods, the river does not overflow the banks within the canyon, and do not exceed the floodplain limits within the delta.

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 in spring.

(ECD) Water turbidity and colour 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

Please provide further information on salinity (optional):

The salinity evaluation has established that the waters of the wetland belongs to the 3d class according to the middle and worst indices and are characterized as "satisfactory".

4.4.8 - Dissolved or suspended nutrients in water

Mesotrophic

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

Unknown

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

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

Surrounding area has greater urbanisation or development

Surrounding area has higher human population density

Surrounding area has more intensive agricultural use

Surrounding area has significantly different land cover or habitat types

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

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	Medium
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	Low
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	Coastal shoreline and river bank stabilization and storm protection	Medium

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Picnics, outings, touring	High
Recreation and tourism	Nature observation and nature-based tourism	High
Recreation and tourism	Water sports and activities	High
Spiritual and inspirational	Inspiration	High
Spiritual and inspirational	Cultural heritage (historical and archaeological)	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	Sediment retention	Medium
Soil formation	Accumulation of organic matter	Low
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

<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 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: lands of the Water Fund of Ukraine including the area of water and riverside protection belts on both sides of the Smotrych River. The state of the Smotrych canyon and riverside stripes are controlled by the Administration of Podilski Tovtry National Nature Park and the Dniester Regional Basin Department. Lands of the forest (botanical reserve of national importance Panovetska Dacha) is under the control of Podilski Tovtry National Nature Park and State Enterprise "Kamyanets-Podilsky Forestry".

b) in the surrounding area:

All adjacent lands are within the Podilski Tovtry National Nature Park. Other lands of state property are 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

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
Housing and urban areas	High impact	High impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Commercial and industrial areas	Medium impact	Medium impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Tourism and recreation areas	Medium impact	High impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Drainage	High impact	High impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Water abstraction	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Salinisation	Low impact	Low impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Canalisation and river regulation	Medium impact	Medium impact	<input 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 type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Wood and pulp plantations	Medium impact	Medium impact	<input 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
Renewable energy	High impact	High impact	<input 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
Roads and railroads	Low impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Shipping lanes	Low impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Utility and service lines (e.g., pipelines)	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
Gathering terrestrial plants	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Logging and wood harvesting	Low impact	Low impact	<input checked="" 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

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	High impact	High 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
Fire and fire suppression	Medium impact	Low impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Dams and water management/use	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Vegetation clearance/land conversion	Low 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
Industrial and military effluents	Medium impact	Medium impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Agricultural and forestry effluents	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Garbage and solid waste	Medium impact	Medium impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Air-borne pollutants	Low impact	Low impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Excess heat, sound, light	Low impact	Low impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Geological events

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

5.2.2 - Legal conservation status

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
botanical reserve of national importance	Panovetska Dachka	https://uk.wikipedia.org/wiki/%D0%9F%D0%B0%D0%BD%D0%BE%D0%B2%D0%B5%D1%86%D1%8C%D0%BA%D0%B0%D0%B4%D0%B0%D1%87%D0%B0	partly
National 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
Catchment management initiatives/controls	Partially implemented
Improvement of water quality	Partially implemented
Habitat manipulation/enhancement	Partially implemented

Species

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

The Podilski Tovtry National Nature Park, in which subordination the site stays, is a scientific research institution at the Ministry of Ecology and Natural Resources of Ukraine. 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? Yes, there is a plan

5.2.7 - Monitoring implemented or proposed

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

The main research activities are monitoring the state of biological and landscape diversity within the frameworks of the annual Program on Chronicles of Nature. The Laboratory of Ecological Monitoring of Podilski Tovtry National Park and the Dniester Basin Regional Department are responsible for monitoring.

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Chronicle of Nature: Podilski Tovtry National Nature Park. – 1997-2010. [In Ukrainian]
Directory of Ukraine's Wetlands / Edited by G. Marushevsky, I. Zharuk. – Kyiv: Wetlands International Black Sea Programme, 2006. – P. 125-129. [In Ukrainian]
Phytodiversity of National Nature Parks / Edited by T.L. Andrienko & V.A. Onishchenko. – Kyiv: Naukovyi Svit, 2003. – 143 pp. [In Ukrainian]
Reserves and National Nature Parks of Ukraine. – Kyiv: Vyshcha Shkola, 1999. – 230 p. [In Ukrainian]
Wetland Management of Kamianetsky Dniester Region: monograph / V.I. Karamushka, L.G. Liubinska, M.D. Matveev, O.P. Kuchynska, I.P. Kasianyk, 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]
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]

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:



Lower Smotrych River (Mykhailo Drebet, 12-10-2011)



Lower Smotrych River (Mykhailo Drebet, 11-06-2014)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation