



Ramsar Information Sheet

Published on 23 November 2016

Ukraine Cheremske Bog



Designation date	24 October 2012
Site number	2272
Coordinates	51°31'46"N 25°32'08"E
Area	2 975,70 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

"Cheremske Bog" is located in the north-western part of Ukraine within the central part of Western Polissia. Cheremske wetland complex is formed within a relic valley with the predominance of fluvio-glacial landforms - in the valley of the ancient lake now overgrown with sphagnum-sedge vegetation and is a rare subtype of wetlands - mesotrophic mire with the area of 1000 hectares with the surrounding areas of the wetlands (100 hectares) and swampy forests (1080 ha), 2 lakes (Cheremske - 7.7 hectares and Redychi - 11 ha), which together form a complex of wetlands. Dominant are the surfaces with the altitude of 155-160 m above sea level.

This wetland complex is located in the centre between the rivers Prypiat, Styr and Stokhid near transboundary Ramsar Site "Prypiat-Stokhid-Prostyr" and Ramsar Site "Byle Lake and Koza Berezhyna Mire". In general, the wetlands are very important for the protection of the lake-mire-forest complex, one of the natural complexes in Europe with one of the biggest size of wetland, and for ensuring conditions for growth and presence of many rare species of plants and animals. The flora and fauna of the mires are based on wetland and forest species, rarely meadow species as there are no meadows on the wetlands territory.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Compiler 1

Name	Khymyn Mykhailo
Institution/agency	National Nature Park
Postal address	47, Bondarenka Str., Liubeshiv, Volynska oblast, 44200, Ukraine
E-mail	npppsl@gmail.com
Phone	+380 33262 30127
Fax	+380 33262 30144

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

From year	2013
To year	2016

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Cheremske Bog
Unofficial name (optional)	Черемське болото (Cheremske boloto)

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<1 file(s) uploaded>

Boundaries description (optional)

"Cheremske Bog" is located in the north-western part of Ukraine within the central part of Western Polissia. Site situated 25 km to the north of the village of Manevychi, 4 km to the north of Zamosc, 6.5 kilometers to the west of the village Lyshnivka, Manevychi district, Volyn region, as well as 106 km from the regional centre - Lutsk. In the East, it is bordering on Rivne region (Volodymyrets district, the nearest settlement are the village Ozirtsy, village Horodok 4 km from the wetlands), about 10 kilometers from the nearest wetland "Byle Lake and Koza Berezyna Mire". The boundaries of "Cheremske Bog" coincide with the boundaries of the Cheremske Nature Reserve. The Site contains Cheremske lake and part of Redichi Lake.

2.2.2 - General location

a) In which large administrative region does the site lie?	Volynska oblast
b) What is the nearest town or population centre?	Manevychi, Liubeshiv

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):	2975.7
Area, in hectares (ha) as calculated from GIS boundaries	2967.2

2.2.5 - Biogeography

Biogeographic regions

RIS for Site no. 2272, Cheremske Bog, Ukraine

Regionalisation scheme(s)	Biogeographic region
EU biogeographic regionalization	Continental

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

Wetlands are located in the area between Stokhid, Pripjat and Styr, and play an important role in maintaining the hydrological regime of the large region in the northern and central Western Polissia. The site serves as a regional stabilizer of hydrological regime. Even in critically dry years, the water level in the Cheremske Bog was generally stable. The site is important to maintain the level of water content of aquifers necessary for normal functioning of aquatic, wetland, forest and meadow ecosystems of the region, preventing negative impacts of floods and seasonal floods. The site is accumulating significant portion of water that enters the lowered portion of the site in the region and therefore supports the replenishment of aquifers.

Other reasons

The Site contains a representative sub type of bog - a transitional (between low-laying area and up-river types) bog with an area of about 1000 hectares which is rare, both in Ukraine and in Europe within the borders of the Continental bio-geographical region. The Site represents one of the biggest transition mires of Polissia region, which occupies the central part of Europe, with the concentration of rare biodiversity. This mire is almost completely unchanged, without the influence of anthropogenic factors, and can serve as a model for a comprehensive study of wetlands, and unique testing ground for studying geological, geomorphological and succession processes. According to the complex of the flora and fauna of the wetland site is typical for a forest area of Polissia.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

The wetland supports the existence of populations of plants and animals that are important for maintaining biodiversity of the biogeographic region. The Site represents one of the biggest transition mires of Polissia region, which occupies the central part of Europe, with the concentration of rare biodiversity. It recorded 1139 plant species (803 vascular plant, 163 – mosses, 90 – lichens, 83 – algae), 133 mushrooms species and more than 250 animal species (198 – vertebrate: mammals – 42, birds – 132, reptiles – 7, amphibians – 6, fish – 11, invertebrate - more then 55), there are 54 rare plant species and 214 rare animal species on the territory of Cheremske mire. The 216 plant and animal species are registered in Red List IUCN, 180 – in Appendixes to Bern Convention, 38 – CITES, 63 – CMS, 29 – list of AEWA, 8 – EuroBats, 114 – Red Data Book of Ukraine and 16 – regional rare species. This wetland constitute an important territory for many rare species because it is a southern distribution border of the range of many animals.



























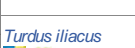





3.2 - Plant species whose presence relates to the international importance of the site





Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<i>Aldrovanda vesiculosa</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EN 	<input type="checkbox"/>	Eu Red List IUCN - DD; Bern - Ap. I; CITES - Ap. II; listed in the Red Data Book of Ukraine - rare	
<i>Carex davalliana</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Carex dioica</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Cypripedium calceolus</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	Eu Red List IUCN-NT, Bern-I; listed in the Red Data Book of Ukraine - rare	
<i>Dicranum viride</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Bern - Ap. I; listed in the Red Data Book of Ukraine - rare	
<i>Eleocharis mamillata</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Hydrocotyle vulgaris</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - not evaluated	
<i>Isoetes lacustris</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Juncus bulbosus</i> 	bulbous rush	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Liparis loeselii</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Eu Red List IUCN - NT, Bern - Ap. I, listed in the Red Data Book of Ukraine - rare	
<i>Pseudocalliergon trifarium</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	
<i>Pulsatilla patens</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Eu Red List IUCN - DD, Bern – Ap. I, listed in the Red Data Book of Ukraine - rare	
<i>Scheuchzeria palustris</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Thesium ebracteatum</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Bern-I	
<i>Utricularia intermedia</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	
<i>Utricularia minor</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	

The site is of international importance for the existence of vulnerable species and endangered species, as well as other rare species of plants and animals listed in the International Red List, lists of international conventions, rare ecological communities, particularly plant communities.

The most rare flora species are determined as near extinct and threatened species according to the criteria of International Red Lists (IUCN, Category NT, DD) and Appendixes to Conventions (Bern, Appendix I) – all 6 species (5 vascular plants and 1 moss) on the territory of Cheremske mire. Among them, 5 plant species are included in IUCN (Category NT – *Cypripedium calceolus*, *Liparis loeselii*; DD – *Aldrovanda vesiculosa*, *Pulsatilla patens*, *Utricularia intermedia*) and 6 – Appendix I to Bern Convention (*Aldrovanda vesiculosa*, *Cypripedium calceolus*, *Dicranum viridae*, *Liparis loeselii*, *Pulsatilla patens*, *Tesium ebractearum*). *Utricularia intermedia* and *Aldrovanda vesiculosa* are typical water plants that occupy accordingly 2-4 ha and 1-2 ha (max – 10-30 plants/m² in wet years) of the total area of this wetland, *Dicranum viridae* (moss) – 1-3 ha of the total area and others plant species there have smaller total areas – between 0,01 and 1 ha (all data for 2005-2015). The wetland is one of the important areas for supporting these threatened flora species throughout Polissia (forest) region of Ukraine, especially – *Dicranum viridae*, *Liparis loeselii* and *Tesium ebractearum*.

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

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence ¹⁾	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
Birds																		
CHORDATA / AVES	 <i>Aegolius funereus</i>	Boreal Owl	<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"/>	4	2013-2015		LC 	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - rare	This wetland is important for maintaining species in southern border of distribution.
CHORDATA / AVES	 <i>Anthus pratensis</i>	Meadow Pipit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	2005-2015		NT 	<input type="checkbox"/>	<input type="checkbox"/>	Bern – Ap. II	
CHORDATA / AVES	 <i>Coracias garrulus</i>	European Roller	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	2005-2015		LC 	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN; Bern – Ap. II	This wetland is important for maintaining species in southern border of distribution.
CHORDATA / AVES	 <i>Gallinago media</i>	Great Snipe	<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"/>	4	2012-2015		NT 	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	This wetland is important for maintaining species in southern border of distribution.
CHORDATA / AVES	 <i>Grus grus</i>	Common Crane	<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"/>	350	2013-2015		LC 	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - rare	
CHORDATA / AVES	 <i>Lanius excubitor</i>	Great Grey Shrike; Northern Shrike	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	2014-2015		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Eu Red List IUCN - VU; Bern - Ap. II; listed in the Red Data Book of Ukraine - rare	
CHORDATA / AVES	 <i>Limosa limosa</i>	Black-tailed Godwit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	2013-2015		NT 	<input type="checkbox"/>	<input type="checkbox"/>	Eu Red List IUCN – VU; Bern – Ap. III, CMS – Ap. II, AEWA	
CHORDATA / AVES	 <i>Numenius arquata</i>	Eurasian Curlew	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	50	2009-2015		NT 	<input type="checkbox"/>	<input type="checkbox"/>	Eu Red List IUCN - VU; Bern - Ap. III; CMS - Ap. II; AEWA; listed in the Red Data Book of Ukraine - EN	
CHORDATA / AVES	 <i>Pandion haliaetus</i>	Osprey	<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"/>	2	2005-2015		LC 	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - EN	This wetland is important for maintaining species in southern border of distribution.
CHORDATA / AVES	 <i>Picoides tridactylus</i>	Eurasian Three-toed Woodpecker; Three-toed Woodpecker	<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"/>	4	2006-2015		LC 	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - VU	This wetland is important for maintaining species in southern border of distribution.
CHORDATA / AVES	 <i>Streptopelia turtur</i>	European Turtle Dove; European Turtle-Dove	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	2010-2015		VU 	<input type="checkbox"/>	<input type="checkbox"/>	Eu Red List IUCN - VU; Bern - Ap. III; CMS - Ap. II	
CHORDATA / AVES	 <i>Strix nebulosa</i>	Great Gray Owl	<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"/>	2	2006-2015		LC 	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - rare	This wetland is important for maintaining species in southern border of distribution.
CHORDATA / AVES	 <i>Turdus iliacus</i>		<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"/>	2	2005-2015		NT 	<input type="checkbox"/>	<input type="checkbox"/>	Eu Red List IUCN - NT; Bern - Ap. III;	This wetland is important for maintaining species in southern border of distribution.
CHORDATA / AVES	 <i>Vanellus vanellus</i>	Northern Lapwing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	2005-2015		NT 	<input type="checkbox"/>	<input type="checkbox"/>	Eu Red List IUCN - VU; Bern - Ap. III; CMS - Ap. II; AEWA	
Others																		
CHORDATA / MAMMALIA	 <i>Canis lupus</i>	gray wolf, Wolf	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	2005-2015		LC 	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / MAMMALIA	 <i>Lutra lutra</i>	European Otter	<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"/>	4	2005-2015		NT 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bern - Ap. II; listed in the Red Data Book of Ukraine - not evaluated	

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence ¹⁾	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA / MAMMALIA	 <i>Lynx lynx</i>	Eurasian Lynx	<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	2010-2015		LC 	<input type="checkbox"/>	<input type="checkbox"/>	listed in the Red Data Book of Ukraine - rare	This wetland is important for maintaining species in southern border of distribution.
CHORDATA / MAMMALIA	 <i>Mustela lutreola</i>	European Mink	<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"/>	Eu Red List IUCN - EN; Bern - Ap. II; listed in the Red Data Book of Ukraine - EN	

1) Percentage of the total biogeographic population at the site

On the territory of Cheremske mire, there are more than 250 animal species (198 – vertebrate: mammals – 42, birds – 132, reptiles – 7, amphibians – 6, fish – 11, invertebrate - more then 55). Among 214 rare animal species the following are registered in Red List IUCN (193 – all category), 174 – in Appendixes to Bern Convention, 23 – CITES, 63 – CMS, 29 – list of AEWA, 8 – EuroBats, 64 – Red Data Book of Ukraine and 15 – regional rare species. The most rare of them - 14 animal species are included in IUCN (Category EN – *Mustela lutreola*; NT – *Anthus pratensis*, *Emys orbicularis*, *Hirudo medicinalis*, *Lutra lutra*, *Turdus iliacus*; VU – *Cerambyx cerdo*, *Cyprinus carpio*, *Lanius excubitor*, *Limosa limosa*, *Numenius arquata*, *Streptopelia turtur*, *Vanellus vanellus*; LR/NT – *Formica fura*), Appendix I to CITES (*Canis lupus*) and Appendix I to CMS (*Coracias garrulus*).

These wetlands are an important territory for many rare species because it is a southern border of the spread of many animals: *Aegolius funereus*, *Gallinago media*, *Phylloscopus trochiloides*, *Pandion haliaetus*, *Picoides tridactylus*, *Prunella modularis*, *Pyrrhula pyrrhula*, *Strix nebulosa*, *Tringa glareola*, *Turdus lilacus* (birds) and *Lynx lynx* (mammal).

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
Vegetation community of <i>Betuleta humilis</i>	<input checked="" type="checkbox"/>	This community is extremely rare for Ukraine. It is found on small patches within scrub-bog habitats of Cheremske bog. It is boreal type vegetation community at the south limits of distribution areal	Is near to extinct (The Green Data Book of Ukraine), contains relict and rare <i>Betula humilis</i> listed in the Red Data Book of Ukraine
Vegetation community of <i>Scheuchzeriето-Sphagneta</i> and <i>Cariceto-Scheuchzeriето-Sphagneta</i>	<input checked="" type="checkbox"/>	This community occupies more than 300 ha of main bog part, which is one of largest locality of this community type in Ukraine. This community with domination of <i>Scheuchzeria palustris</i> is located here at the south border of its distribution areal	Is near to extinct (The Green Data Book of Ukraine), contains rare <i>Scheuchzeria palustris</i> listed in the Red Data Book of Ukraine
Vegetation community of <i>Isoeteta lacustris</i>	<input checked="" type="checkbox"/>	This vegetation community grows on shallow sandy part of Redychi Lake (on depth between 0,7 and 1,5 m). The <i>Isoeteta lacustris</i> is located here at the south-east border of distribution areal	Is rare for the country (The Green Data Book of Ukraine), contains rare <i>Isoetes lacustris</i> listed in the Red Data Book of Ukraine
Vegetation community of <i>Sparganieta minimi</i>	<input checked="" type="checkbox"/>	It occupies small fragments only in lakes at the site	Is typical for the site and adjacent areas but rare for the country according to the Green Data Book of Ukraine Ukraine
Vegetation community of <i>Ceratophylleta submersi</i>	<input checked="" type="checkbox"/>	It occupies small fragments only in lakes at the site. The locality is near the southern border of distribution areal	Is rare according to the Green Data Book of Ukraine
Vegetation community of <i>Isoeteta lacustris</i> Vegetation community of <i>Nymphaeeta candidae</i>	<input checked="" type="checkbox"/>	This community <i>Nymphaeeta candidae</i> grows on lakes and along ditches within Cheremske bog site (sometimes together with <i>Nuphareta luteae</i>)	Is rare according to the Green Data Book of Ukraine
Vegetation community of <i>Nuphareta luteae</i>	<input checked="" type="checkbox"/>	The <i>Nuphareta luteae</i> as aquatic plant community grows on lakes and in some places along ditch among Cheremske bog where is formed of large patches (sometimes together in groups with <i>Nymphaeeta candidae</i> , <i>Ceratophylleta submersi</i>)	Is typical for the site but rare for the country according to the Green Data Book of Ukraine
Vegetation community of <i>Depressipinetum andromedoso-oxycoccoсо sphagnosum</i>	<input checked="" type="checkbox"/>	This vegetation community occupies only very small patches at the Cheremske bog. The locality is near the southern border of distribution areal	Is rare according to the Green Data Book of Ukraine
Vegetation community of <i>Potamogetoneta obtusifolii</i>	<input checked="" type="checkbox"/>	The small patches of this vegetation type were identified at the Cheremske bog (in the zone of open water of lakes). It is rare for Ukraine and important locality at the south border of distribution areal	Is rare according to the Green Data Book of Ukraine

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

4.1 - Ecological character

The area is of the wetlands is located within the forest-wetland nature reserve Cheremskiyi. The total area is 2,975.7 hectares, including: open swamps - 1,108.1 hectares, freshwater wetlands with trees domination - 544.1 hectares, forested peatlands - 539.7 hectares and two glacial karst lakes (11 hectares and 7.7 hectares). The site vegetation is based on marsh and forest vegetation. In the absence of any direct influence (lack of economic activity, communication lines of general purpose, remote settlements and river grid) lands on natural systems and their components (elements of relief, water bodies and biodiversity) wetland ecological condition is good. This is evidenced by the wealth of flora and fauna, and in particular the presence of a significant number of rare species. Ecological features of the wetlands are closeness of the territory – the mire is surrounded almost from all sides with low eolian landforms that are forested with pine forests mixed with common birch, black alder, less often English oak and spruce. The main wetland soils are peat-bog soils, mainly peat, 1.2 m thick, with the underlying sand, indicating the karst water-glacier and aeolian processes that affect the formation of the territory relief. In general, on the mire, there is sphagnum-sedge vegetation, areas of sedge-reed associations, sparse pine and common birch forests of dwarf form (usually live trees do not exceed 7.8 m which at the age of 30-50 years are beginning to dry up). Marsh vegetation includes *Scheuchzeria palustris*, which occupies nearly one-third of the mire, *Oxycoccus palustris*, rarely - *Oxycoccus microcarpus*, as well as three species of the *Droseraceae* family. There also are 11 rare vegetation communities, including 6 water and 3 – wetland types.

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

Inland wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Lakes and pools >> C: Permanent freshwater lakes	Redychi	4	11	
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/pools	Chernske	4	7.7	
Fresh water > Marshes on peat soils >> U: Permanent Non-forested peatlands		1	1108.1	Representative
Fresh water > Marshes on inorganic soils >> W: Shrub-dominated wetlands		4	5	
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		2	544.1	Representative
Fresh water > Marshes on peat soils >> Xp: Permanent Forested peatlands		2	539.7	Representative

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
2: Ponds		4	1	
9: Canals and drainage channels or ditches		4	0.1	

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
forest	759

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Scientific name	Common name	Position in range / endemism / other
<i>Drosera rotundifolia</i>		Near of south area – total squares more than 300 ha, regional rare species
<i>Nymphaea alba</i>		
<i>Sphagnum fuscum</i>		
<i>Sphagnum magellanicum</i>		
<i>Sphagnum rubellum</i>		
<i>Vaccinium myrtillus</i>		
<i>Vaccinium oxycoccus</i>		Near of south area – total squares more than 300 ha

4.3.2 - Animal species

Other noteworthy animal species

Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
CHORDATA/AVES	<i>Anas crecca</i>	Eurasian Teal;Green-winged Teal	10	2005-2015		IUCN - LC, Bern - Ap. III, CMS - Ap. II, AEWVA
CHORDATA/AVES	<i>Anas platyrhynchos</i>	Mallard	20	2005-2015		IUCN - LC, Bern - Ap. III, CMS - Ap. II, AEWVA
CHORDATA/AVES	<i>Anas querquedula</i>	Garganey	10	2013-2015		IUCN - LC, Bern - Ap. II, CMS - Ap. II, AEWVA
CHORDATA/AVES	<i>Anser albifrons</i>	Greater White-fronted Goose	1200	2010-2015		Only on migration, across the mire
CHORDATA/AVES	<i>Anser anser</i>	Greylag Goose	600	2010-2015		Only on migration, across the mire
CHORDATA/AVES	<i>Chlidonias leucopterus</i>	White-winged Tern	1400	2012-2015		Only on migration, across the mire, part of them stopped on feeding and resting
CHORDATA/AVES	<i>Chroicocephalus ridibundus</i>	Black-headed Gull	700	2005-2015		IUCN-LC, Bern-III, CMS-II, AEWVA Only on migration, across the mire
CHORDATA/AVES	<i>Gallinago gallinago</i>	Common Snipe	40	2005-2015		IUCN - LC, Bern - Ap. II, CMS - Ap. II, AEWVA
CHORDATA/AVES	<i>Hirundo rustica</i>	Barn Swallow	5000	2010-2015		Only on migration, across the mire, part of them stopped on feeding and resting
CHORDATA/AVES	<i>Lophophanes cristatus</i>	European Crested Tit	400	2005-2015		IUCN - LC, Bern - Ap. II
CHORDATA/AVES	<i>Parus major</i>	Great Tit	300	2005-2015		IUCN-LC, Bern-II
CHORDATA/AVES	<i>Phylloscopus collybita</i>	Common Chiffchaff	300	2005-2015		IUCN - LC, Bern - Ap. II
CHORDATA/AVES	<i>Phylloscopus trochilus</i>	Willow Warbler	150	2005-2015		IUCN - LC, Bern - Ap. II, CMS - Ap. II
CHORDATA/AVES	<i>Poecile montanus</i>		200	2005-2015		IUCN - LC, Bern - Ap. II
CHORDATA/AVES	<i>Prunella modularis</i>	Duncock	4	2010-2015		occurs here on its southern areal border
CHORDATA/AVES	<i>Tringa glareola</i>	Wood Sandpiper	10	2010-1015		occurs here on its southern areal border
CHORDATA/AVES	<i>Tringa ochropus</i>	Green Sandpiper	30	2005-2015		IUCN - LC, Bern - Ap. II, CMS - Ap. II, AEWVA
CHORDATA/AVES	<i>Turdus merula</i>	Eurasian Blackbird;Common Blackbird	100	2005-2015		IUCN - LC, Bern - Ap. II
CHORDATA/AVES	<i>Turdus philomelos</i>	Song Thrush	150	2005-2015		IUCN - LC, Bern - Ap. II

Invasive alien animal species

Phylum	Scientific name	Common name	Impacts
CHORDATA/ACTINOPTERYGII	<i>Ameiurus nebulosus</i>		Potentially
CHORDATA/ACTINOPTERYGII	<i>Percocottus glenii</i>		Potentially

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)

Regarding to the climate conditions, the area is located in the west of Atlantic continental zone with temperate humid warm summer, mild winter and considerable precipitation (up to 550-620 mm per year). Summer is relatively cool, often rainy, especially in the second half. Autumn is also wet with lingering rains. Spring is characterized by variable weather conditions, drought is often observed in the beginning of vegetation season. Weather instability is caused by active development of circulation processes, the influence of cyclones and anticyclones. The average air temperature is +7.1°C. The maximum temperature was registered in August (+36.9°C); minimum – in January -37.2°C. The warmest month in the long term observations is July (+18.6°C). In winter, waters are frozen during period from several weeks to 3 months.

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 Prypiat River Subbasin which belongs to the Dnipro River Basin.

4.4.3 - Soil

- Mineral
- Organic
- 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)

The main wetland soils are peat-bog soils, mainly peat, 1.2 m thick, with the underlying sand, indicating the karst water-glacier and aeolian processes that affect the formation of the territory relief.

4.4.4 - Water regime

Water permanence

Presence?
Usually permanent water present

Source of water that maintains character of the site

Presence?	Predominant water source
Water inputs from rainfall	<input type="checkbox"/>
Water inputs from surface water	<input type="checkbox"/>

Water destination

Presence?
To downstream catchment

Stability of water regime

Presence?
Water levels largely stable

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

The site serves as a regional stabilizer of hydrological regime. Even in critically dry years, the water level in the Cheremske Bog was generally stable. On the lakes Cheremske and Redychi and other lakes that are within the influence of this wetland, annual fluctuations in water levels are up to 10 cm. The site is important to maintain the level of water content of aquifers necessary for normal functioning of aquatic, wetland, forest and meadow ecosystems of the region, preventing negative impacts of floods and seasonal floods. The site is accumulating significant portion of water that enters the lowered portion of the site in the region and therefore supports the replenishment of aquifers.

4.4.5 - Sediment regime

- Significant erosion of sediments occurs on the site
- Significant accretion or deposition of sediments occurs on the site
- Significant transportation of sediments occurs on or through the site
- Sediment regime is highly variable, either seasonally or inter-annually
- Sediment regime unknown

Please provide further information on sediment (optional):

Significant sedimentary processes do not occur within the Site.

4.4.6 - Water pH

- Acid (pH<5.5)
- Circumneutral (pH: 5.5-7.4)
- Alkaline (pH>7.4)
- Unknown

4.4.7 - Water salinity

- Fresh (<0.5 g/l)
- Mixohaline (brackish)/Mixosaline (0.5-30 g/l)
- Euhaline/Eusaline (30-40 g/l)
- Hyperhaline/Hypersaline (>40 g/l)
- Unknown

4.4.8 - Dissolved or suspended nutrients in water

- Eutrophic
- Mesotrophic
- Oligotrophic
- Dystrophic
- 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.

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Regulating Services

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

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Spiritual and inspirational	Cultural heritage (historical and archaeological)	Low
Scientific and educational	Educational activities and opportunities	Medium
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or 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

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

Description if applicable

The mire is almost completely unchanged, without the influence of anthropogenic factors, and can serve as a model for a comprehensive study of wetlands, and unique testing ground for studying geological, geomorphological and succession processes.

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

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"/>

5.1.2 - Management authority

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

Cheremskiy Nature Reserve

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

Stepan Pashchuk

Postal address:

48, Karla Marksa Str.,
Manevychi, Volynska oblast,
44600,
Ukraine

E-mail address:

zap_mv@ft.ukrtel.net

5.2 - Ecological character threats and responses (Management)

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

Energy production and mining

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Unspecified		Low impact	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Hunting and collecting terrestrial animals		Low impact	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Logging and wood harvesting		Low impact	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5.2.2 - Legal conservation status

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Nature Reserve	Cheremskiy Nature Reserve		whole

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area			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

Other:

To preserve the hydrological regime, it is necessary to stop the construction of dams and other hydro-technical buildings as well as peat harvesting on territories adjacent to the wetland.

5.2.5 - Management planning

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

Has a management effectiveness assessment been undertaken for the site? Yes No

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning processes with another Contracting Party? Yes No

5.2.6 - Planning for restoration

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

5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Plant community	Implemented
Plant species	Implemented
Animal community	Implemented
Animal species (please specify)	Implemented
Birds	Implemented

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

1. Annual nature report of Cheremskiy Nature Reserve. 2002-2014. □ Manevychi, 2003-2015. – Vol.1-13. (in ukrainian)
2. Bashta A.-T., Chymyn M. (Bashta A.-T., Khymyn M.) Kuraki leśne na terenie zachodniej Ukrainy. Forest grouse in the territory of Western Ukraine // Ochrona kurakow leśnych. Monografia pokonferencyjna (Janów Lubelski, 16-18 października 2007 r.) – Warszawa: Cntrum informacyjne lasów państwowych, 2008. – S.294-303. (in pol., summary engl.)
3. Cheremske mire // Important Bird Areas in Europe. Priority sites for conservation. – Vol.2. Southern Europe. – Cambridge, U.K.: BirdLife International, 2000. – P.701.
4. Green Book of Ukraine. – Kyiv: Alterpress, 2009. – 448 p. (in Ukrainian)
5. Konishchuk V.V. Rare species of plants of Cheremskiy Nature Reserve // Ukrainian Botanic Journal. – 2003. – Vol.60. – № 3. – P.264-272. (in ukrainian, summary engl.)
6. Konishchuk V.V. Rare species of fauna of Cheremskiy Nature Reserve // Modern problems of zoological science: Materials All-Ukrainian conference. – Kyiv, 2004. – P.87-89. (in ukrainian)
7. Konishchuk V.V. Rarity Components of Biodiversity of Cheremskiy Natural Reserve // Scientific bulletin of the Volyn state university. – Lustk: Vezha, 2007. – № 11. – Part 2. – P.125-132. (in ukrainian, summary engl.)
8. Konishchuk V.V., Khymyn V.V. Cheremske mire // Wetlands of Ukraine. – Kyiv:BlackSea Program WetlandsInternational, 2006. – P.167-172. (in ukrainian)
9. Khymyn M. Cheremske boloto (mire) // IBA territory of Uktaine. – Kyiv: SoftART, 1999. – P.70-71. (in ukrainian)
10. Khymyn M. The resulys of taking stock of Vertebrate animals of the Cheremske natural reserve // Nature of Western Polissya and outskirts territories. Materials of scientific conference, Lutsk, 22-24.09.05. – Lutsk: Vezha, 2005. – P.235-250. (in ukrainian, summary engl.)
11. Khymyn M. The Vertebrate animals of the Cheremske natural reserve // Nature of Western Polissya and outskirts territories. Proceedings № 3. – Lustk: Vezha, 2006. – P.289-305. (in ukrainian, summary engl.)
12. Khymyn M.V. The Vertebrate Animals of the Natural Reserves and National Parks pf the Volyn Polissya // Scientific bulletin of the Volyn state university. – Lustk: Vezha, 2007. – № 11. – Part 2. – P.185-192. (in ukrainian, summary engl.)

6.1.2 - Additional reports and documents

i. taxonomic lists of plant and animal species occurring in the site (see section 4.3)

<1 file(s) uploaded>

ii. a detailed Ecological Character Description (ECD) (in a national format)

<no file available>

iii. a description of the site in a national or regional wetland inventory

<no file available>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<no file available>

vi. other published literature

<1 file(s) uploaded>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



Cheremske Bog (M. Khymyn, 16-07-2005)



Cranes (M. Khymyn, 28-01-2008)



Cheremske Bog and Lake Cheremske (M. Khymyn, 28-06-2007)



Lake Cheremske (M. Khymyn, 16-07-2005)



Cheremske Bog with Osprey nest (M. Khymyn, 28-06-2008)



Swampy forest (M. Khymyn, 16-07-2005)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation