



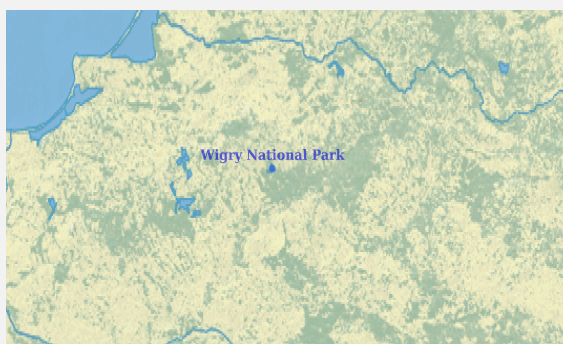
Ramsar Information Sheet

Published on 24 January 2019

Update version, previously published on : 1 January 2005

Poland

Wigry National Park



Designation date	29 October 2002
Site number	1567
Coordinates	54°02'39"N 23°05'57"E
Area	15 085,00 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

Wigry National Park is located in north-east Poland and its area encompasses Lake Wigry with an area of 2 163 ha (excluding islands), the forests surrounding the Lake, numerous peat bogs, a part of the Czarna Hańcza River Valley, the main watercourse flowing through the Lake, and the surrounding farmlands. Centrally located Lake Wigry together with 42 smaller lakes filling post-glacial gullies and holes constitute a wetland system. Rare dystrophic lakes also occur within the Site. The variety of landscapes within the Site from hills of glacial moraines in the north to almost flat land in the south is of a special biodiversity value. Diversified habitats provide a great variety of ecological niches. The Site represents a wetland system of a great value due to the biodiversity it supports, which is unique in the European Lowlands and in the entire sub-boreal biogeographical region.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Compiler 1

Name	Marek Jobda, Rafał Rzepkowski, Paweł Szałański
Institution/agency	Pracownia Przyrodnicza
Postal address	ul. Bohaterów Powstania Styczniowego 4, 05-480 Karczew, Poland
E-mail	pracownia@przyrodnicza.eu
Phone	+48 509 029 647

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

From year	2005
To year	2015

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Wigry National Park
Unofficial name (optional)	Wigry

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

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

<3 file(s) uploaded>

Former maps	0
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Boundaries description

The boundary of the Ramsar site is equal to the boundary of Wigry National Park

2.2.2 - General location

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

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"/>
b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party?	Yes <input type="radio"/> No <input checked="" type="radio"/>

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
Udvardy's Biogeographical Provinces	2.10.5. Boreal
Bailey's Ecoregions	210 Warm Continental Division
WWF Terrestrial Ecoregions	Temperate broadleaf and mixed forest

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 main hydrological services carried out in the Wigierski National Park:

1. Microclimate landscape design (influence on wind strength, temperature, humidity, radiation)
2. Water circulation control (influence on retention and run-off regulation, natural drainage, draught mitigation)
3. Maintaining of sustainable water flow

Other ecosystem services provided

Tourism

The dominating forms of tourism in Wigry National Park are: hiking, cycling and kayaking. Current level of tourism is considered to be sustainable.

Research

Research activity (among others – hydrobiological and limnological study) is carried out by the Research-Educational Centre of Wigry National Park. Study is conducted with special emphasis on the Czarna Hańcza River basin and mires situated along the River section from Sobolewo to its mouth at Wigry Lake. A hydrobiological study is performed by the University of Warmia and Mazury in Olsztyn, while a botanical study, i.e. research on rare and endangered plants is conducted by the Botanical Garden of the Warsaw University.

Agriculture, fishery

Around 15 % of the area of the Park is covered by agricultural land. Extensively used meadows and pastures and arable lands prevail. In order to maintain the biodiversity of the agricultural landscape of the Park, old varieties of plants and old breeds of household animals are introduced. Lake Wigry is also used for extensive fishing.

Wigry National Park contains several wetland types preserved in a near-natural state, which alongside a great range of well-preserved habitats and biological diversity, constitute a unique wetland system in the Polish Lowlands and in the entire biogeographical region.

Other reasons

The diversity of the Park's landscape is related to a mosaic of habitats dominated by forests. Within the area of Wigry National Park, 14 forest communities occur, dominated by subcontinental mixed forest *Serratulo-Pinetum*, and poor broadleaved Calaminarian *Tilio-Carpinetum Calamagrostietosum*. The particularly valuable forest communities, preserved in very good state and covering relatively large areas are: boreal spruce on peat *Sphagno girgensohnii-Piceetum*, pine and birch forest swamp *Dryopteridi thelypteridis-Betuletum pubescentis*, continental swampy forest *Vaccinio uliginosi-Pinetum*, and alder currant *Ribes nigri-Alnetum* with patches of alder peaty *Sphagno squarrosi-Alnetum* and ash-alder riparian *Fraxino-Alnetum*. Noteworthy is the presence of a small area of subboreal moist mixed forest *Quercu-Piceetum*.

Among 104 non-forest communities found in the area of Wigry National Park, the best preserved and the most valuable ones are transition mires and quaking bogs associated mainly with dystrophic forest reservoirs and troughs. The proportion of well-preserved raised bogs dominated by the community of *Sphagnetum magellanici* is also important.

Moreover, the communities which are remarkably valuable in terms of flora are quite well-preserved alkaline peat bogs with field peatbogs and bog-springs and calcareous fens with *Cladium mariscus* and species of the *Caricion davallianae*.

The extensively used lowland hay meadows *Arrhenatheretum medioeuropaeum* are the most widely distributed non-forest communities in WNP.

Criterion 2 : Rare species and threatened ecological communities

Criterion 3 : Biological diversity

Justification

The fauna of the Park is represented by 46 species of mammals, 202 species of birds as well as 12 species of amphibians and 5 species of reptiles. Many of them are endangered and threatened species reaching in the Park their European range limits.























This group of animals consists of boreal species such as Three-Toed Woodpecker *Picoides tridactylus*, Tengmalm's Owl *Aegolius funereus*, Mountain Hare *Lepus timidus*. The main representative of mammals and, at the same time, the symbol of the Park, is beaver *Castor Fiber*. At present its population is estimated at about 250 animals. Large predators are represented by wolves *Canis lupus*. The site is also visited by another rare predator – lynx *Lynx lynx*. Moreover, one can observe many species of birds of prey. Some of them are connected with lakes and marsh areas like White - Tailed Eagle *Haliaeetus albicilla*, Marsh Harrier *Circus aeruginosus*, Black Kite *Milvus migrans*.. Also many species rare on the European scale occur in the Park, such as Lesser-Spotted Eagle *Aquila pomarina* and Red Kite *Milvus milvus*, which, thanks to the rich mosaic of various habitats, such as forests and open areas, found here a convenient place to breed. Fish are represented by 32 species. Only in one Wigry lake, there are 26 species of fish. Three species occurring in the site are listed in Annex II of Habitats Directive. A great variety of water and land habitats makes an impact on the richness of the Park's invertebrates. At least 2000 species have been found in the Park so far. Some of them, such as bumblebee *Bombus schrencki* and wild bees *Hylaeus pfankuchi* and *Chelostoma foveolatum*, were observed for the first time in Poland.













Criterion 7 : Significant and representative fish

Justification

Fish are represented by 32 species. Only in one Wigry lake, there are 26 species of fish. Three species occurring in the site are listed in Annex II of Habitats Directive.

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> 	Waterwheel Plant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	EN 	<input type="checkbox"/>		Occurrence only in two places within the Park
<i>Betula humilis</i> 	Shrubby Birch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (EN), species protected in Poland	
<i>Carex buxbaumii</i> 	Buxbaum's Sedge; Club Sedge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (EN), species protected in Poland	
<i>Carex chordorrhiza</i> 	Creeping Sedge; String Sedge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (VU), species protected in Poland	
<i>Carex disperma</i> 	Softleaf Sedge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (EN), species protected in Poland	
<i>Carex vaginata</i> 	Sheathed Sedge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (VU)	
<i>Cypripedium calceolus</i> 	Lady's-slipper Orchid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC 	<input checked="" type="checkbox"/>	Annex 2 of the Habitats Directive (Council Directive 92/43/EEC) Polish Red Data Book of Plants (VU)	Occurrence only in three places within the Park
<i>Dactylorhiza incarnata ochroleuca</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Species protected in Poland, Polish Red Data Book of Plants (EN)	
<i>Dactylorhiza majalis baltica</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Polish Red Data Book of Plants (EN), species protected in Poland	
<i>Dicranum viride</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Annex 2 of the Habitats Directive (Council Directive 92/43/EEC)	Occurrence only in two places within the Park
<i>Eriophorum gracile</i> 	Slender Cottongrass; Slender Cottonsedge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Polish Red Data Book of Plants (CR), species protected in Poland	
<i>Hamatocaulis vernicosus</i> 	Slender Green Feather Moss	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Annex 2 of the Habitats Directive (Council Directive 92/43/EEC) Polish Red Data Book of Plants (LR)	
<i>Hammarbya paludosa</i> 	Bog Orchid; Bog Adder's-mouth; Bog Adder's-mouth Orchid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (EN), species protected in Poland	
<i>Herminium monorchis</i> 	Musk Orchid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (CR), species protected in Poland	
<i>Lathyrus pisiformis</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (VU), species protected in Poland	
<i>Liparis loeselii</i> 	Fen Orchid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	Annex 2 of the Habitats Directive (Council Directive 92/43/EEC) Polish Red Data Book of Plants (VU)	It is estimated, that the population of the species in the Park and its vicinity constitutes more than 15 % of Polish population. Occurrence in 15 places within the Park

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<i>Myriophyllum alterniflorum</i> 	Alternate Water-milfoil; Alternate Flower Watermilfoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Polish Red Data Book of Plants (EN)	
<i>Neottianthe cucullata</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (EN), species protected in Poland	
<i>Potamogeton gramineus</i> 	Various-leaved Pondweed; Grass-leaved Pondweed; Grassy Pondweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (CR)	
<i>Pulsatilla patens</i> 	Eastern pasqueflower; Prairie Crocus	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	Annex 2 of the Habitats Directive (Council Directive 92/43/EEC) Polish Red Data Book of Plants (LR)	Occurrence only in 5 places within the Park
<i>Saxifraga hirculus</i> 	Marsh Saxifrage; Yellow Marsh Saxifrage; Bog Saxifrage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Annex 2 of the Habitats Directive (Council Directive 92/43/EEC) Polish Red Data Book of Plants (EN)	It is estimated, that the population of the species in the Park and its vicinity constitutes more than 15 % of Polish population
<i>Thesium ebracteatum</i> 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Annex 2 of the Habitats Directive (Council Directive 92/43/EEC)	Occurrence in 8 places within the Park
<i>Trichophorum alpinum</i> 	Alpine Bulrush	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (VU), species protected in Poland	
<i>Viola epipsila</i> 	Dwarf Marsh Violet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Red List of Plants and Fungi in Poland, Polish Red Data Book of Plants (CR), species protected in Poland	











































About 970 species of vascular plants, 230 species of mosses, 2 species of hornworts, and more than 60 species of liverworts (of 79 known from the literature) have been found in Wigry National Park. 44 species of vascular plants are under strict protection and 43 species are under partial protection, while 30 of them are listed in the Polish Red Data Book and 66 are on the Polish Red List of Rare and Endangered Species. 6 species of liverworts occurring in the Park are under strict protection, 4 species are under partial protection and 7 species are included on the List of Endangered Species in Poland. 43 species of mosses are strictly protected, 27 species are partially protected, while 32 species have the status of an endangered species in Poland. One species of hornwort present in the flora of the Park has the status of an endangered species in Poland.




































Plant species mentioned in Annex V of the Habitats Directive:

Lycopodium annotinum, *Lycopodium clavatum*, *Arnica montana*, *Leucobryum glaucum*, *Sphagnum angustifolium*, *Sphagnum capillifolium*, *Sphagnum cuspidatum*, *Sphagnum fallax*, *Sphagnum fimbriatum*, *Sphagnum flexuosum*, *Sphagnum fuscum*, *Sphagnum girgensohnii*, *Sphagnum magellanicum*, *Sphagnum obtusum*, *Sphagnum palustre*, *Sphagnum riparium*, *Sphagnum rubellum*, *Sphagnum russowii*, *Sphagnum squarrosum*, *Sphagnum subsecundum*, *Sphagnum teres*, *Sphagnum warnstorffii*

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																		

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	GITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA/AVES	 <i>Aegolius funereus</i>	Tengmalm's Owl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Polish Red Data Book of Animals (NT)	pop. size: 10-15 pairs
CHORDATA/AVES	 <i>Aquila pomarina</i>	Lesser Spotted Eagle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive (Directive 2009/147/EC, Polish Red Data Book of Animals (LC))	pop. size: 5-10 breeding pairs
CHORDATA/AVES	 <i>Botaurus stellaris</i>	Eurasian Bittern; Great Bittern	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive, Polish Red Data Book of Animals (LC)	pop. size: 15 males
CHORDATA/AVES	 <i>Bubo bubo</i>	Eurasian Eagle-owl	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive (Directive 2009/147/EC, Polish Red Data Book of Animals (NT))	pop. size: 1-3 pairs
CHORDATA/AVES	 <i>Ciconia ciconia</i>	White Stork	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 11 pairs
CHORDATA/AVES	 <i>Ciconia nigra</i>	Black Stork	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1			LC 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	
CHORDATA/AVES	 <i>Circus aeruginosus</i>	Western Marsh Harrier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30			LC 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 30 pairs
CHORDATA/AVES	 <i>Circus cyaneus</i>	Northern Harrier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive, Polish Red Data Book of Animals (VU)	part time site
CHORDATA/AVES	 <i>Circus pygargus</i>	Montagu's Harrier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive, Polish Red Data Book of Animals (NT)	part time site
CHORDATA/AVES	 <i>Crex crex</i>	Corn Crake	<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"/>	Annex I Birds Directive (Directive 2009/147/EC)	pop. size: 16-17 males
CHORDATA/AVES	 <i>Dendrocopos leucotos</i>	White-backed Woodpecker	<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"/>	Annex I Birds Directive (Directive 2009/147/EC, Polish Red Data Book of Animals (NT))	pop. size: 5-10 breeding pairs
CHORDATA/AVES	 <i>Ficedula parva</i>	Red-breasted Flycatcher	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	breeding
CHORDATA/AVES	 <i>Grus grus</i>	Common Crane	<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"/>	Annex I Birds Directive (Directive 2009/147/EC)	pop. size: 30-50 pairs
CHORDATA/AVES	 <i>Haliaeetus albicilla</i>	White-tailed Eagle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3			LC 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Annex I Birds Directive (Directive 2009/147/EC Polish Red Data Book of Animals (LC))	pop. size: 3 pairs
CHORDATA/AVES	 <i>Milvus migrans</i>	Black Kite	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive (Directive 2009/147/EC, Polish Red Data Book of Animals (NT))	pop. size: 2-3 breeding pairs
CHORDATA/AVES	 <i>Milvus milvus</i>	Red Kite	<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"/>	Annex I Birds Directive (Directive 2009/147/EC, Polish Red Data Book of Animals (NT))	pop. size: 3-5 breeding pairs
CHORDATA/AVES	 <i>Pandion haliaetus</i>	Osprey; Western Osprey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive, Polish Red Data Book of Animals (VU)	part time site
CHORDATA/AVES	 <i>Pernis apivorus</i>	European Honey Buzzard	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive (Directive 2009/147/EC)	pop. size: 8-10 breeding pairs
CHORDATA/AVES	 <i>Picoides tridactylus</i>	Three-toed Woodpecker	<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"/>	Annex I Birds Directive (Directive 2009/147/EC, Polish Red Data Book of Animals (VU))	pop. size: 5-10 breeding pairs
CHORDATA/AVES	 <i>Picus canus</i>	Grey-headed Woodpecker	<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"/>	Annex I Birds Directive (Directive 2009/147/EC)	pop. size: 10-15 breeding pairs
CHORDATA/AVES	 <i>Porzana parva</i>	Little Crake	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive, Polish Red Data Book of Animals (NT)	breeding
CHORDATA/AVES	 <i>Porzana porzana</i>	Sspotted Crake	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 4-5 pairs

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	GITES Appendix I	CMS Appendix I	Other Status	Justification	
			2	4	6	9	3	5	7	8									
CHORDATA/ AVES	 <i>Tetrastes bonasia</i>	Hazel Hen	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	Annex I, II Birds Directive (Directive 2009/147/EC)	pop. size: 50-150 breeding pairs	
Fish, Mollusc and Crustacea																			
CHORDATA/ ACTINOPTERYGII	 <i>Cobitis taenia</i>	Spine Loach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the Habitats Directive (Council Directive 92/43/EEC)	
CHORDATA/ ACTINOPTERYGII	 <i>Coregonus albula</i>	Sendace	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	 <i>Coregonus lavaretus</i>	Baltic Whitefish	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				VU 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	 <i>Misgurnus fossilis</i>	Mud Loach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II of the Habitats Directive (Council Directive 92/43/EEC), Polish Red Data Book of Animals (NT)	
CHORDATA/ ACTINOPTERYGII	 <i>Phoxinus phoxinus</i>	Common Minnow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA/ ACTINOPTERYGII	 <i>Rhodeus sericeus</i>	Amur Bitterling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	Annex II of the Habitats Directive (Council Directive 92/43/EEC), Polish Red Data Book of Animals (NT)		
CHORDATA/ ACTINOPTERYGII	 <i>Salmo trutta</i>	Brown Trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		
MOLLUSCA/ BIVALVIA	 <i>Ulio crassus</i>	Thick Shelled River Mussel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				EN 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II and IV of the Habitats Directive (Council Directive 92/43/EEC) Polish Red Data Book of Animals (EN)	
Others																			
CHORDATA/ AMPHIBIA	 <i>Bombina orientalis</i>	European Fire-bellied Toad	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II, IV Habitats Directive	
CHORDATA/ MAMMALIA	 <i>Canis lupus</i>	Grey Wolf	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10			LC 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex II, IV, V Habitats Directive, Polish Red Data Book of Animals (NT)	
CHORDATA/ MAMMALIA	 <i>Castor fiber</i>	Eurasian Beaver; European Beaver	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	250			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II and IV of the Habitats Directive (Council Directive 92/43/EEC)	
ARTHROPODA/ INSECTA	 <i>Graphoderus bilineatus</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				VU 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II and IV of the Habitats Directive (Council Directive 92/43/EEC)	
CHORDATA/ MAMMALIA	 <i>Lutra lutra</i>	European Otter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				NT 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex II, IV Habitats Directive	
ARTHROPODA/ INSECTA	 <i>Lycaena dispar</i>	Large Copper	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	Annex II, IV Habitats Directive, Polish Red Data Book of Animals (LR-lower risk)		
CHORDATA/ MAMMALIA	 <i>Lynx lynx</i>	Eurasian Lynx	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex II and IV of the Habitats Directive (Council Directive 92/43/EEC)	
CHORDATA/ MAMMALIA	 <i>Myotis dasycneme</i>	Pond Bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				NT 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II Habitats Directive, Polish Red Data Book of Animals (EN)	
ARTHROPODA/ INSECTA	 <i>Ophiogomphus cecilia</i>	Green Snaketail	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II, IV Habitats Directive	
CHORDATA/ AMPHIBIA	 <i>Triturus cristatus</i>	Northern Crested Newt; Warty Newt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II, IV Habitats Directive, Polish Red Data Book of Animals (NT)	

1) Percentage of the total biogeographic population at the site

crit. 2
 invertebrate: *Vertigo moulinsiana* - Desmoulin's Whorl Snail, IUCN-VU, Annex 2, 4 of the Habitats Directive (Council Directive 92/43/EEC), Polish Red Data Book of Animals (CR);
vertigo geyeri, Annex II Habitats Directive;
lycaena helle, Annex II, IV Habitats Directive

The fauna of the Park is represented by 46 species of mammals, 202 species of birds as well as 12 species of amphibians and 5 species of reptiles. Many of them are endangered and threatened species reaching in the Park their European range limits. This group of animals consists of boreal species such as Three-Toed Woodpecker *Picoides tridactylus*, Tengmalm's Owl *Aegolius funereus*, Mountain Hare *Lepus timidus*. The main representative of mammals and, at the same time, the symbol of the Park, is beaver *Castor Fiber*. At present, its population is estimated at about 250 animals. Large predators are represented by wolves *Canis lupus*. The site is also visited by another rare predator – lynx *Lynx lynx*. Moreover, one can observe many species of birds of prey. Some of them are connected with lakes and marsh areas like White - Tailed Eagle *Haliaeetus albicilla*, Marsh Harrier *Circus aeruginosus*, Black Kite *Milvus migrans*. Also, many species which are rare on the European scale occur in the Park, such as Lesser-Spotted Eagle *Aquila pomarina* and Red Kite *Milvus milvus*, which, thanks to the rich mosaic of various habitats, such as forests and open areas, found here a convenient place to breed. Fish are represented by 32 species. Only in one Wigry lake, there are 26 species of fish. Three species occurring in the site are listed in Annex II of Habitats Directive. A great variety of water and land habitats makes an impact on the richness of the Park's invertebrates. At least 2000 species have been found in the Park so far. Some of them, such as bumblebee *Bombus schrencki* and wild bees *Hylaeus pfankuchi* and *Chelostoma foveolatum*, were observed for the first time in Poland.

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
3140 Hard oligo-mesotrophic waters with benthic vegetation of <i>Chara</i> spp.	<input checked="" type="checkbox"/>	area 2374 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
91D0-2 Continental pine bog woodland (<i>Vaccinio uliginosi</i> - <i>Pinetum</i>)	<input checked="" type="checkbox"/>	area 84,06 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
91E0-3 (<i>Fraxino</i> - <i>Alnetum</i>)	<input checked="" type="checkbox"/>	area 97,99 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
7210 Calcareous fens (<i>Cladietum marisci</i> , <i>Caricetum buxbaumii</i>)	<input checked="" type="checkbox"/>	area 22,21 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
7140 Transition mires and quaking bogs (<i>Scheuchzerio</i> - <i>Caricetea</i>)	<input checked="" type="checkbox"/>	area 41,03 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
7110 Active raised bogs	<input checked="" type="checkbox"/>	area 15,72 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
6510 Lowland hay meadows (<i>Arrhenatheretum medioeuropaeum</i>)	<input checked="" type="checkbox"/>	area 88,91 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
6430 Hydrophilous tall herb fringe communities (<i>Convolvuletalia sepium</i>)	<input checked="" type="checkbox"/>		Annex I of the Habitats Directive (Council Directive 92/43/EEC)
6230 Species-rich <i>Nardus</i> grasslands in lowland (<i>Nardion</i>)	<input checked="" type="checkbox"/>		Annex I of the Habitats Directive (Council Directive 92/43/EEC)

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
6210 Semi-natural dry grasslands (Festuco-Brometea)	<input checked="" type="checkbox"/>		Annex I of the Habitats Directive (Council Directive 92/43/EEC)
3160 Natural dystrophic lakes and ponds	<input checked="" type="checkbox"/>	area 31 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
3150 Natural eutrophic lakes with Nymphaeion, Potamion – type vegetation	<input checked="" type="checkbox"/>	area 395 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
6410 Molinia meadows (Molinion)	<input checked="" type="checkbox"/>		Annex I of the Habitats Directive (Council Directive 92/43/EEC)
91D0-5 Boreal spruce bog woodland (Sphagno girgensohnii-Piceetum)	<input checked="" type="checkbox"/>	area 163,87 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
91D0-6 Pine-birch bog woodland (Dryopteridi thelypteridis-Betuletum Pubescentis)	<input checked="" type="checkbox"/>	area 155,55 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
9170-2 Subcontinental oak-hornbeam forest (Tilio-Carpinetum)	<input checked="" type="checkbox"/>	area 323.59	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
7230 Alkaline fens	<input checked="" type="checkbox"/>	area 21,67 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
3260 Water courses of plain to montane levels with Ranunculon fluitantis vegetation	<input checked="" type="checkbox"/>	area 5 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)

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

4.1 - Ecological character

The area is situated in the Suwalki Lakeland, which was formed during the last phase of Baltic Glaciation. The Lakeland has a diversified moraine landscape. The southern part of the Park is situated on an outwash plain formed as a result of accumulation of materials transported by the ice-front. The northern part of the Park is rolling, with large basal moraines and single hills of the frontal moraine. Some of the moraine hills are up to 35 m high. The site lies in the central part of the Czarna Hańcza basin and the River and lake Wigry constitute the core of the local hydrological system. The lakes and rivers remain in close hydrological contact due to high permeability of glacial formations. The main types of soils in the Park are: clayey-sandy brown soils, podzols, peatsoils, whereas the lands in the Park's area are used mainly for forestry and agriculture. The lake is used for extensive fishing. Climate is cool with distinct continental influences i.e. long (120 days) and frosty winters and snow pack remaining for about 100 days. Annual precipitation is 593 mm and average annual temperatures are around 6C. Vegetation period lasts only about 180 days.

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

Inland wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Flowing water >> M: Permanent rivers/ streams/ creeks		4		Representative
Fresh water > Lakes and pools >> O: Permanent freshwater lakes		1		
Fresh water > Marshes on inorganic soils >> Tp: Permanent freshwater marshes/ pools		4		Representative
Fresh water > Lakes and pools >> Ts: Seasonal/ intermittent freshwater marshes/ pools on inorganic soils		4		
Fresh water > Marshes on peat soils >> U: Permanent Non-forested peatlands		3		Representative
Fresh water > Marshes on peat soils >> Xp: Permanent Forested peatlands		2		Representative
Fresh water > Flowing water >> Y: Permanent Freshwater springs; oases		0		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		
9: Canals and drainage channels or ditches		4		

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
human settlement	
dryland forests	
agricultural land	

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Scientific name	Common name	IUCN Red List	Position in range / endemism / other
<i>Ajuga reptans</i>	Pyramidal Ajuga		Red list of plants and fungi in Poland
<i>Anemone sylvestris</i>	Snowdrop Anemone		Species protected in Poland
<i>Anthoxanthum odoratum</i>	Field homwort		Red list of plants and fungi in Poland
<i>Aquilegia vulgaris</i>	Common Columbine		Species protected in Poland
<i>Arctostaphylos uva-ursi</i>	Common Bearberry		Species protected in Poland
<i>Arnica montana</i>	Mountain Arnica		Red list of plants and fungi in Poland, Species protected in Poland
<i>Asperula tinctoria</i>	Dyer's Woodruff		Red list of plants and fungi in Poland
<i>Bazzania trilobata</i>	Greater whipwort		Species protected in Poland

Scientific name	Common name	IUCN Red List	Position in range / endemism / other
<i>Botrychium lunaria</i>	Common Moonwort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Botrychium multifidum</i>	Leathery Grapefern		Red list of plants and fungi in Poland, Species protected in Poland
<i>Bromus secalinus</i>	Rye Brome		Red list of plants and fungi in Poland
<i>Carex dioica</i>	Dioecious Sedge		Red list of plants and fungi in Poland, Species protected in Poland
<i>Carex limosa</i>	Mud Sedge		Red list of plants and fungi in Poland
<i>Carex loliacea</i>	Ryegrass Sedge		Red list of plants and fungi in Poland, Species protected in Poland
<i>Carex pallescens</i>	Pale Sedge		Red list of plants and fungi in Poland
<i>Carex praecox</i>	Spring Sedge		Red list of plants and fungi in Poland
<i>Cephalozella spinigera</i>	Spiny threadwort		Red list of plants and fungi in Poland
<i>Chimaphila umbellata</i>	Prince's Pine		Species protected in Poland
<i>Cinclidium stygium</i>	Cinclidium Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Cladium mariscus</i>	Elk Sedge		Species protected in Poland
<i>Cladopodiella fluitans</i>	Bog notchwort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Climacium dendroides</i>	Climacium Moss		Species protected in Poland
<i>Crossocalyx hellerianus</i>	Heller's Notchwort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid		Red list of plants and fungi in Poland, Specie protected in Poland
<i>Dactylorhiza incarnata</i>	March Orchid		Species protected in Poland
<i>Dactylorhiza maculata</i>	Heath Spotted Orchid		Red list of plants and fungi in Poland, Specie protected in Poland
<i>Daphne mezereum</i>	Daphne		Species protected in Poland
<i>Dianthus arenarius</i>	Sand Pink		Species protected in Poland
<i>Dicranum bonjeanii</i>	Bonjean's Dicranum Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Dicranum polysetum</i>	Dicranum Moss		Species protected in Poland
<i>Dicranum scoparium</i>	Broom Mbss		Species protected in Poland
<i>Digitalis grandiflora</i>	Large Yellow Foxglove		Species protected in Poland
<i>Diphasiastrum complanatum</i>	Ground Pine		Species protected in Poland
<i>Drosera anglica</i>	Great Sundew		Red list of plants and fungi in Poland, Specie protected in Poland
<i>Drosera obovata</i>	Obovateleaf Sundew		Species protected in Poland
<i>Drosera rotundifolia</i>	Common Sundew		Red list of plants and fungi in Poland, Specie protected in Poland
<i>Dryopteris cristata</i>	Crested Wood Fern		Red list of plants and fungi in Poland
<i>Empetrum nigrum</i>	Black Crowberry		Red list of plants and fungi in Poland, Specie protected in Poland
<i>Epipactis atrorubens</i>	Royal Helleborine		Species protected in Poland
<i>Epipactis helleborine</i>	Broadleaf Helleborine		Species protected in Poland
<i>Epipactis palustris</i>	Marsh Helleborine		Red list of plants and fungi in Poland, Specie protected in Poland
<i>Euphrasia micrantha</i>	Common Slender Eyebright		Red list of plants and fungi in Poland
<i>Euphrasia nemorosa</i>	Common Eyebright		Red list of plants and fungi in Poland

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Scientific name	Common name	IUCN Red List	Position in range / endemism / other
<i>Fontinalis dalecarlica</i>	Fontinalis Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Geocalyx graveolens</i>	Turps Pouchwort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Goodyera repens</i>	Rattlesnake Plaintain		Red list of plants and fungi in Poland, Species protected in Poland
<i>Helichrysum arenarium</i>	Everlasting Flower		Species protected in Poland
<i>Helodium blandowii</i>	Blandow's Feather Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Hieracium cymosum</i>	Yellow-Tipped Straw-Flower		Red list of plants and fungi in Poland
<i>Hierochloe australis</i>	Forest Grass		Red list of plants and fungi in Poland, Species protected in Poland
<i>Hierochloe odorata</i>	Sweet Grass		Red list of plants and fungi in Poland, Species protected in Poland
<i>Hippuris vulgaris</i>	Mare's Tail		Red list of plants and fungi in Poland
<i>Homalia trichomanoides</i>	Blunt Feather-Moss		Species protected in Poland
<i>Huperzia selago</i>	Fir Clubmoss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Hygroamblystegium tenax</i>	H. Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Hylocomium splendens</i>	Glittering Wood Moss		Species protected in Poland
<i>Juncus atratus</i>	Dark Rush		Red list of plants and fungi in Poland
<i>Koeleria pyramidata</i>	Crested Hair Grass		Red list of plants and fungi in Poland
<i>Lathyrus laevigatus</i>	Yellow Pea		Species protected in Poland
<i>Lathyrus palustris</i>	Marsh Pea; Marsh Vetchling		Red list of plants and fungi in Poland
<i>Leucobryum glaucum</i>	White Moss		Species protected in Poland
<i>Lilium martagon</i>	Turk's Cap Lily		Species protected in Poland
<i>Linnaea borealis</i>	Twinflower		Species protected in Poland
<i>Lycopodium annotinum</i>	Stiff Club Moss		Species protected in Poland
<i>Lycopodium clavatum</i>	Wolf's Foot Club Moss		Species protected in Poland
<i>Malaxis monophyllos</i>	Adder's-Mouth Orchid		Red list of plants and fungi in Poland, Polish red data book of plants (NT), Species protected in Poland
<i>Melittis melissophyllum</i>	Bastard Balm		Species protected in Poland
<i>Menyanthes trifoliata</i>	Bogbean		Species protected in Poland
<i>Neckera complanata</i>	Flat Neckera		Species protected in Poland
<i>Neottia cordata</i>	Heartleaf Twayblade		Red list of plants and fungi in Poland, Species protected in Poland
<i>Neottia nidus-avis</i>	Bird's Nest Orchid		Species protected in Poland
<i>Neottia ovata</i>	Common Twayblade		Species protected in Poland
<i>Nowellia curvifolia</i>	Wood-rust		Red list of plants and fungi in Poland, Species protected in Poland
<i>Nymphaea alba</i>	Common White Waterlily		Species protected in Poland
<i>Nymphaea candida</i>	Dwarf White Water Lily		Polish red data book of plants (NT), Species protected in Poland
<i>Odontoschisma denudatum</i>	Matchstick flapwort		Species protected in Poland
<i>Ophioglossum vulgatum</i>	Adder's Tongue		Red list of plants and fungi in Poland, Species protected in Poland
<i>Orthotrichum patens</i>	Orthotrichum Moss		Red list of plants and fungi in Poland

Scientific name	Common name	IUCN Red List	Position in range / endemism / other
<i>Orthotrichum stramineum</i>	Straw Bristle Moss		Red list of plants and fungi in Poland
<i>Orthotrichum striatum</i>	Shaw's Bristle Moss		Red list of plants and fungi in Poland
<i>Oxytropis pilosa</i>	Woolly Milkvetch		Species protected in Poland
<i>Paludella squarrosa</i>	Angled Paludella Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Pedicularis palustris</i>	Marsh Lousewort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Pedicularis sceptrum-carolinum</i>	Moor-King Lousewort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Philonotis calcarea</i>	Thick-Nerved Apple Moss		Species protected in Poland
<i>Pinguicula vulgaris</i>	Common Butterwort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Plagiochila asplenoides</i>	Greater featherwort		Species protected in Poland
<i>Platanthera bifolia</i>	Butterfly orchid		Species protected in Poland
<i>Platanthera chlorantha</i>	Greater B. Orchid		Species protected in Poland
<i>Pleurozium schreberi</i>	Schreber's Moss		Species protected in Poland
<i>Polemonium caeruleum himalayanum</i>	Greek Valerian		Species protected in Poland
<i>Polytrichum commune</i>	Common Hair Moss		Species protected in Poland
<i>Potamogeton alpinus</i>	Alpine Pondweek		Red list of plants and fungi in Poland
<i>Primula elatior</i>	True Oxlip		Species protected in Poland
<i>Pseudocalliergon trifarium</i>	Blunt Water Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Pseudoscleropodium purum</i>	Neat Feather Moss		Species protected in Poland
<i>Ptilidium ciliare</i>	Ciliated fringewort		Species protected in Poland
<i>Ptilium crista-castrensis</i>	Knight's Plume		Species protected in Poland
<i>Pulsatilla pratensis</i>	Pasque Flower		Red list of plants and fungi in Poland, Species protected in Poland
<i>Pyrola media</i>	Intermediate Wintergreen		Red list of plants and fungi in Poland, Species protected in Poland
<i>Ranunculus lingua</i>	Greater Spearwort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Ranunculus repens</i>	Creeping Buttercup		Red list of plants and fungi in Poland
<i>Ranunculus trichophyllus</i>	list of plants and fungi in Poland, Species protected i		Species protected in Poland
<i>Rhododendron tomentosum</i>	Wild Rosemary		Species protected in Poland
<i>Rhytidadelphus squarrosus</i>	Springy Turf Moss		Species protected in Poland
<i>Scheuchzeria palustris</i>	Rannoch-Rush		Red list of plants and fungi in Poland, Species protected in Poland
<i>Scorpidium scorpioides</i>	Scorpidium Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Splachnum ampullaceum</i>	Small Capsule Dung Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Syntrichia virescens</i>	Screw Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Thuidium delicatulum</i>	Delicate Fern Moss		Species protected in Poland
<i>Thuidium tamariscinum</i>	Common Tamarisk-Moss		Species protected in Poland
<i>Tofieldia calyculata</i>	Toefield's Asphodel		Red list of plants and fungi in Poland, Species protected in Poland
<i>Tomentypnum nitens</i>	Tomentypnum Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Trisetum sibiricum</i>	Siberian Oatgrass		Polish Red Data Book of Plants (NT)

Scientific name	Common name	IUCN Red List	Position in range / endemism / other
<i>Trollius europaeus</i>	Globeflower		Species protected in Poland
<i>Ulotia crispa</i>	Ulotia Moss		Red list of plants and fungi in Poland, Species protected in Poland
<i>Utricularia intermedia</i>	Intermediate Bladderwort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Utricularia minor</i>	Lesser Bladderwort		Red list of plants and fungi in Poland, Species protected in Poland
<i>Vaccinium microcarpum</i>	Small Cranberry		Red list of plants and fungi in Poland
<i>Veronica prostrata</i>	Prostrate Speedwell		Red list of plants and fungi in Poland

Invasive alien plant species

Scientific name	Common name	IUCN Red List	Impacts	Changes at RIS update
<i>Acer negundo</i>	Box Elder		Actually (minor impacts)	increase
<i>Echinocystis lobata</i>	Wild Cucumber		Actually (major impacts)	No change
<i>Heracleum sosnowskyi</i>	Sosnowsky's Hogweed		Potentially	unknown
<i>Impatiens glandulifera</i>	Policeman's Helmet		Actually (major impacts)	No change
<i>Impatiens parviflora</i>	Small-flowered Touch-me-not		Actually (major impacts)	No change
<i>Lupinus polyphyllus</i>	Russell Lupin;Garden Lupin;Large-leaved Lupine;Blue Pod;Meadow Lupine		Actually (minor impacts)	increase
<i>Parthenocissus quinquefolia</i>	Virginia Creeper		Actually (minor impacts)	increase
<i>Prunus serotina</i>	Black Cherry		Actually (major impacts)	No change
<i>Quercus rubra</i>	Northern Red Oak		Actually (major impacts)	No change
<i>Reynoutria japonica</i>	Japanese Knotweed		Actually (minor impacts)	increase
<i>Rhus typhina</i>	Staghorn Sumac		Potentially	unknown
<i>Robinia pseudoacacia</i>	False Acacia;Black Locust		Potentially	unknown
<i>Rosa rugosa</i>	Ramans rose		Actually (minor impacts)	increase
<i>Rudbeckia laciniata</i>			Potentially	unknown
<i>Solidago canadensis</i>	Canada Goldenrod		Actually (major impacts)	No change
<i>Solidago gigantea</i>	Giant goldenrod		Actually (major impacts)	No change
<i>Sorbaria sorbifolia</i>	False Spiraea		Potentially	unknown

Optional text box to provide further information

Other noteworthy plant species (not found on the list):
 Calypogeia suecica - Swedish Pouchwort, Red list of plants and fungi in Poland
 Fossombronina wondraczekii - Acid Frillwort, Red list of plants and fungi in Poland
 Lophozia laxa - Bog palewort, Red list of plants and fungi in Poland, Species protected in Poland
 Ephmerum serratum var. Angustifolium - Serrate Eph. moss, Red list of plants and fungi in Poland
 Limprichtia cossonii - Cosson's Limprichtia Moss, Species protected in Poland
 Limprichtia revolvens - L. Moss, Species protected in Poland

4.3.2 - Animal species

Other noteworthy animal species

Phylum	Scientific name	Common name	IUCN Red List	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
CHORDATA/MAMMALIA	<i>Alces alces</i>	European Elk					pop. size: 35-45 ind.
CHORDATA/MAMMALIA	<i>Cervus elaphus</i>	deer					pop. size: 20-150 ind.
CHORDATA/MAMMALIA	<i>Eptesicus nilssonii</i>	Northern Bat					Protected under Polish law
CHORDATA/MAMMALIA	<i>Eptesicus serotinus serotinus</i>	Serotine Bat					Protected under Polish law
CHORDATA/MAMMALIA	<i>Myotis daubentonii</i>	Daubenton's Myotis					Protected under Polish law
CHORDATA/MAMMALIA	<i>Pipistrellus pipistrellus</i>	Common Pipistrelle					Protected under Polish law
CHORDATA/MAMMALIA	<i>Plecotus auritus</i>	brown big-eared bat;Brown Long-eared Bat					Protected under Polish law
CHORDATA/MAMMALIA	<i>Vespertilio murinus</i>	Particolored Bat					Protected under Polish law

Invasive alien animal species

Phylum	Scientific name	Common name	IUCN Red List	Impacts	Changes at RIS update
CHORDATA/MAMMALIA	<i>Neovison vison</i>	American Mink		Actually (major impacts)	No change
CHORDATA/MAMMALIA	<i>Nyctereutes procyonoides</i>	Raccoon dog		Actually (major impacts)	No change

4.4 - Physical components

4.4.1 - Climate

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

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 Czarna Hańcza River basin

4.4.3 - Soil

Mineral

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

Organic

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

No available information

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

Please provide further information on the soil (optional)

The main kinds of soil in the Park are clay-sandy brown soils, podzols and peatsoils.

4.4.4 - Water regime

Water permanence

Presence?	Changes at RIS update
Usually permanent water present	unknown

Source of water that maintains character of the site

RIS for Site no. 1567, Wigry National Park, Poland

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

Water destination

Presence?	Changes at RIS update
Feeds groundwater	unknown
To downstream catchment	unknown

Stability of water regime

Presence?	Changes at RIS update
Water levels largely stable	unknown

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

Wetlands constitute over 19 percent of the Park's area. The largest Lake Wigry together with other 25 lakes are located centrally in the Park and with the Czarna Hańcza River and the smaller rivers, they constitute an interconnected hydrological system. The Czarna Hańcza River has two distinct sections. The northern section is characterised by its rapid current, whereas the southern section flows slowly as if it were a typical lowland river. Lake Wigry receives both surface and underground water since the area is built of permeable sands and sandy clays. Around the southern banks of Lake Wigry, there are numerous springs which contribute to unique hydrological properties of Wigry National Park. The quality of the Park's water is generally high. The region is rich in natural small rivers where water management is partly controlled by beavers damming and inundating sections of valleys.

4.4.5 - Sediment regime

Sediment regime unknown

4.4.6 - Water pH

Acid (pH<5.5)

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

Circumneutral (pH: 5.5-7.4)

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

Alkaline (pH>7.4)

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

Unknown

4.4.7 - Water salinity

Fresh (<0.5 g/l)

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

Unknown

4.4.8 - Dissolved or suspended nutrients in water

Eutrophic

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

Mesotrophic

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

Oligotrophic

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

Dystrophic

(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)	Low
Fresh water	Drinking water for humans and/or livestock	Low
Wetland non-food products	Other	Medium
Wetland non-food products	Timber	Low
Wetland non-food products	Livestock fodder	Low

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	Low
Maintenance of hydrological regimes	Storage and delivery of water as part of water supply systems for agriculture and industry	Low
Pollution control and detoxification	Water purification/waste treatment or dilution	Low

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Recreational hunting and fishing	High
Recreation and tourism	Nature observation and nature-based tourism	High
Recreation and tourism	Water sports and activities	Medium
Recreation and tourism	Picnics, outings, touring	Medium
Spiritual and inspirational	Cultural heritage (historical and archaeological)	Medium
Spiritual and inspirational	Aesthetic and sense of place values	Low
Spiritual and inspirational	Inspiration	Medium
Spiritual and inspirational	Contemporary cultural significance, including for arts and creative inspiration, and including existence values	Medium
Spiritual and inspirational	Spiritual and religious values	High
Scientific and educational	Educational activities and opportunities	High
Scientific and educational	Major scientific study site	High
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	Medium
Scientific and educational	Long-term monitoring site	High
Scientific and educational	Type location for a taxon	Medium

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
Nutrient cycling	Carbon storage/sequestration	Medium

Within 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

Description if applicable

The way in which the land is managed can be considered as model because of use of environmental-friendly methods in agriculture as well as forestry and fishery. The eco-friendly agro-managements contains actions such as: mowing inside – out, plowing in parallel towards shore of ponds or rivers. Farms are modernize in dung plates and slurry tanks. The protective treatments in forest are in correct with natures protection. The methods are the result of traditional experience and modern knowledge. The forest and fish management carried out by the park aims to protect species and habitats. The same applies to agricultural activities that are in line with good practices.

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

Description if applicable

Archaeological sites dating from the Paleolithic to the Middle Ages and from so-called Age of the Reindeer (Magdalenian culture). Old fishing villages and a baroque monastery on the peninsula of Lake Wigry are located in the area of Wigry National Park. There is evidence for the occurrence of ancient civilizations in the park, however, their impact on changes in the ecosystem can't be determined.

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

Description if applicable

The local community fully accepts the rules of using wetlands imposed by the Wigierski National Park. A significant part of the local community uses the resources of wetlands, as determined by the Park, accepting the overriding role of nature conservation. This attitude of society results to a large extent from the belief that maintaining wetlands in the best possible condition is beneficial for local residents, both in the cultural and economic dimensions.

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

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

The lands of the Park belong mainly to the State Treasury

5.1.2 - Management authority

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

Wigry National Park

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

Jarosław Borejszo, Director of the Wigry National Park

Postal address: Krzywe 82, 16-402 Suwałki, Poland

E-mail address: wigry_pn@wigry.org.pl

5.2 - Ecological character threats and responses (Management)

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

Human settlements (non agricultural)

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

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Drainage	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	increase
Water abstraction	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Agriculture and aquaculture

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

Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Roads and railroads	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Shipping lanes	unknown impact		<input checked="" type="checkbox"/>	unknown	<input type="checkbox"/>	No change
Aircraft flight paths	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Logging and wood harvesting	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Fishing and harvesting aquatic resources	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Human intrusions and disturbance

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

Natural system modifications

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

Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Invasive non-native/alien species	unknown 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	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	decrease
Agricultural and forestry effluents	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Garbage and solid waste	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Please describe any other threats (optional):

The main threats of the area are:

1. Urbanization in some areas in the Parks buffer zone
2. Changes of water regime in the Park buffer zone
3. Water pollution in the Park buffer zone
4. Disappearance and transformation of animals' and plants' habitats
5. Expansion of alien species of animals and plants

Agriculture:

Inadequate agricultural practices can be a threat, but when they are subordinate to nature protection, they can be an important factor in maintaining the appropriate condition of habitats or species.

Fishing:

The fish regulatory catch is one of the methods of regulating the quantitative and qualitative structure of the fish population. The catches, however, concern selected species, which are undesirable due to their importance in the ecosystem. Uncontrolled catch of fish, carried out at the wrong time and without a set plan, poses a threat to aquatic ecosystems. Also uncontrolled fish catches by fishermen may have a negative impact on the state of protection of the ecosystem or particular species of fish.

5.2.2 - Legal conservation status

Regional (international) legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
EU Natura 2000	Ostoja Wigierska PLH200004	natura2000.gdos.gov.pl	whole
EU Natura 2000	Puszcza Augustowska PLB200002	natura2000.gdos.gov.pl	whole

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
National Park	Wigry National Park	www.wigry.org.pl	whole

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	Puszcza Augustowska (Augustow Forest) PL043	www.ostojepolakow.pl	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
Habitat manipulation/enhancement	Implemented
Improvement of water quality	Partially implemented
Hydrology management/restoration	Partially implemented
Land conversion controls	Partially implemented
Faunal corridors/passage	Implemented

Species

Measures	Status
Control of invasive alien plants	Proposed
Control of invasive alien animals	Implemented

Human Activities

Measures	Status
Regulation/management of wastes	Implemented
Livestock management/exclusion (excluding fisheries)	Implemented
Fisheries management/regulation	Implemented
Harvest controls/poaching enforcement	Implemented
Regulation/management of recreational activities	Implemented
Communication, education, and participation and awareness activities	Implemented
Research	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 Park has established one information centre with two permanent exhibitions and an educational station. Tourist facilities include nine observation hides, six educational paths and 208 km tourist trails.

URL of site-related webpage (if relevant):

5.2.6 - Planning for restoration

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

Further information

There are no heavily degraded habitats in the Park. The maintenance or improvement of the ecosystems condition is ensured by the protective actions carried out by the Park.

5.2.7 - Monitoring implemented or proposed

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

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Atlas Klimatu Polski (Climate of Poland – Atlas). Warszawa 2005. IMGW
BirdLife International 2004 Birds in Europe Population estimates, trends and conservation status
Birds Directive (Directive 2009/147/EC)
Zygmunt Dajdok, Anna Krzysztofiak, Lech Krzysztofiak, Maciej Romański, Michał Śliwiński Rośliny inwazyjne w Wigierskim Parku Narodowym (Invasive species in Wigry National Park), Krzywe 2007.
Dobrowolski K., Lewandowski K. 1998. Ochrona środowisk wodnych i błotnych w Polsce. (Protection of wetlands in Poland), Instytut Ekologii PAN.
EEA publication 2002: Europe's biodiversity – biogeographical regions and seas.
Information Sheet on Ramsar Wetlands (RIS) (Wigry National Park) 2005, Institute of Environmental Protection, Warsaw.
Głowaciński Z. (red.). 2001. Polska czerwona księga zwierząt.PWRiL, Warszawa. (Polish Red Data Book of Animals).
Habitats Directive (Council Directive 92/43/EEC)
Important Bird Areas, Puszcza Augustowska (Augustow Forest) PL043 www.ostojetakow.pl
Kondracki J. 2001: The Regional geography of Poland ed. by Panstwowe Wydawnictwa Naukowe, Warsaw.
Polska Czerwona Księga Roślin. 2001. Instytut Ochrony Przyrody im W. Szafera. Kraków 2001. (Polish Red Data Book of Plants).
Ramsar convention on wetlands <http://www.ramsar.org/>
Tomiałojć L., Stawarczyk T. Awifauna Polski, rozmieszczenie, liczebność i zmiany Birds of Poland, distribution, numbers, changes), Wrocław 2003.
www.wigry.org.pl (official web side of Wigry National Park)
www.natura2000.gdos.gov.pl (official Polish site about Natura 2000)
<http://www.iop.krakow.pl/ias> (data base - invasive species in Poland)
<http://www.ramsar.org/>
Materials from Wigry National Park

6.1.2 - Additional reports and documents

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

<no file available>

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

<no file available>

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

<no file available>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<no file available>

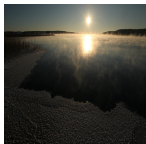
vi. other published literature

<no file available>

<no data available>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



Jezioro Wigry (Wójciech Misiukiewicz, 12-09-2017)



Czarna Hańcza (Wójciech Misiukiewicz, 18-06-2014)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation