



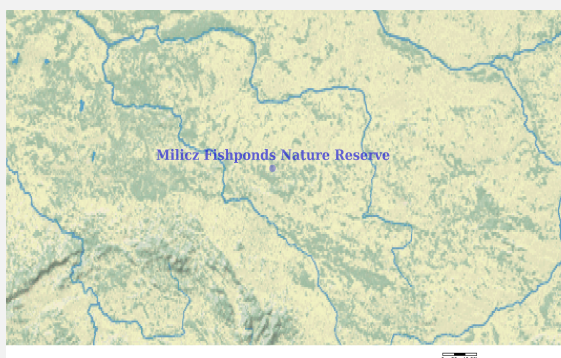
Ramsar Information Sheet

Published on 24 January 2019

Update version, previously published on : 1 January 2007

Poland

Milicz Fishponds Nature Reserve



Designation date	24 October 1995
Site number	758
Coordinates	51°31'34"N 17°14'05"E
Area	5 298,15 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

Milicz Fishponds Nature Reserve (Rezerwat przyrody „Stawy Milickie”) is located in Dolnośląskie Voivodeship. The Site covers the total area of the “Stawy Milickie” Nature Reserve (Milicz Ponds). It is one of the biggest nature reserves in Poland. It covers five separate enclaves with fish ponds’ complexes, that have been in place in this region since several centuries, and a part composed of surrounding marshlands, meadows and forests. Most ponds are surrounded by a wide belt of rushes. The Site is one of the largest wetland waterbird sites in Europe with their nesting, feeding and resting places. The ornithofauna of the reserve includes 137 breeding species, including many rare ones, over 50 further species appear here during their migratory flights. Numerous common species are found here in significant numbers. Large flocks of ducks and geese as well as other waterbirds gather here during their spring and autumn migrations. There are also numerous species of rare plants found in the reserve, mainly aquatic species.

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	2007
To year	2015

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Milicz Fishponds Nature Reserve
Unofficial name (optional)	Rezerwat przyrody „Stawy Milickie”

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	the area has decreased
(Update) The Site area has been calculated more accurately	<input type="checkbox"/>
(Update) The Site has been delineated more accurately	<input checked="" type="checkbox"/>
(Update) The Site area has increased because of a boundary extension	<input type="checkbox"/>
(Update) The Site area has decreased because of a boundary restriction	<input type="checkbox"/>

2.1.5 - Changes to the ecological character of the Site

(Update) 6b i. Has the ecological character of the Ramsar Site (including applicable Criteria) changed since the previous RIS?	Not evaluated
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2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image
<3 file(s) uploaded>

Former maps	0
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Boundaries description

The Ramsar site covers the area of the nature reserve “Stawy Milickie”.

2.2.2 - General location

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

2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other countries? Yes No

b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party? Yes No

2.2.4 - Area of the Site

Official area, in hectares (ha):

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

2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
Udvardy's Biogeographical Provinces	11. Middle European Forest
Bailey's Ecoregions	220 Hot Continental Division
WWF Terrestrial Ecoregions	Temperate broadleaf and mixed forest
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

The Milicz Ponds are artificial, man-made but already considerably naturalised water reservoirs. The Barycz River, which supplies water to the ponds, flows across the central part of the lowland, creating numerous oxbows and surrounded by wetland meadows. The Milicz Ponds are a source of drinking water for humans and/or livestock, water for irrigated agriculture and water for energy production. Milicz Ponds are also important for maintaining the hydrological regimes of the region and water purification.

Other ecosystem services provided

Research
Ornithological research is carried out on the reserve's area by scientists from the Ornithological Station of the University of Wrocław – inter alia, constant monitoring of the distribution of selected bird species in the breeding period, and research on the population of waterbirds in all phenological phases.

Others benefits

The site provides also food products (fish) and other products, like timber reeds. Moreover, cultural significance of the site is also important, the site belongs to the oldest fish pond complexes in central Europe.

The approximate number of people who directly benefit from the ecological services provided by this site is 10 000.

Other reasons

The site represents an area of wetland which is typical of this region of Poland and Central Europe and provides a very good example of wetlands used as fish ponds for many centuries.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

The Milickie Ponds site constitutes a very important feeding and resting place for marshland waterbirds during their spring and autumn migrations; this in particular relates to geese and ducks (Anatidae). Large flocks of waterfowl gather within the site during migrations. The numbers of waterbirds within the site regularly exceed the threshold established by Criterion 5. During migration seasons flocks of Bean Goose *Anser fabalis* gather at the site with the population app.30000 birds, what accounts for app. 7 % of the estimated Central, Southern and Western European population of that species.

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

- Criterion 5 : >20,000 waterbirds










Overall waterbird numbers 54000

Start year 2006




























Source of data: Data from Regional Directorate of Environmental Protection in Wrocław






































- Criterion 6 : >1% waterbird population
































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>Coleanthus subtilis</i> 	Moss Grass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	Annex II Habitats Directive (Council Directive 92/43/EEC)	
<i>Elatine hexandra</i> 	Six-Stamened Waterwort	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Polish Red Data Book of Plants (VJ)	
<i>Elatine triandra</i> 	Threestamen Waterwort	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	Polish Red Data Book of Plants (VJ)	
<i>Lindernia procumbens</i> 	Prostrate False Pimpernel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	Annex IV Habitats Directive, Polish Red Data Book of Plants (CR)	
<i>Nymphoides peltata</i> 	Yellow Floating Heart	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	Polish Red Data Book of Plants (VJ)	

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								
Birds																	
CHORDATA/AVES	<i>Alcedo atthis</i> 	Common Kingfisher	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	33	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 33 pairs
CHORDATA/AVES	<i>Anser albifrons</i> 	Greater White-fronted Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10000	2006	1	LC 	<input type="checkbox"/>	<input type="checkbox"/>		important resting place during migration, pop size: 10000 individuals during migrations (N-E European population)
CHORDATA/AVES	<i>Anser fabalis</i> 	Bean Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	28000	2006	7	LC 	<input type="checkbox"/>	<input type="checkbox"/>		important resting place during migrations, pop. size: 28000 ind during autumn migration (N-E European population)
CHORDATA/AVES	<i>Ardea alba</i> 	Great Egret	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2000	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive, Polish Red Data Book of Animals (LC)	up to 2000 ind migrants
CHORDATA/AVES	<i>Aythya nyroca</i> 	Ferruginous Duck	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	32	2013		NT 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive (Directive 2009/147/EC) Polish Red Data Book of Animals (EN)	One of the most important breeding places in Poland pop. size: 32 pairs
CHORDATA/AVES	<i>Botaurus stellaris</i> 	Eurasian Bittern	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive (Directive 2009/147/EC) Polish Red Data Book of Animals (LC)	pop. size: 22 males
CHORDATA/AVES	<i>Chlidonias hybrida</i> 	Whiskered Tern	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	74	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive, Polish Red Data Book of Animals (LC)	pop. size: 7 pairs
CHORDATA/AVES	<i>Chlidonias niger</i> 	Black Tern	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	37	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 37 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"/>	3	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 3 pairs
CHORDATA/AVES	<i>Ciconia nigra</i> 	Black Stork	<input checked="" type="checkbox"/>	<input checked="" 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	feeding site
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"/>	21	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 21 pairs
CHORDATA/AVES	<i>Crex crex</i> 	Corncrake	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 2 males
CHORDATA/AVES	<i>Cygnus cygnus</i> 	Whooper Swan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 4 pairs
CHORDATA/AVES	<i>Dendrocopos medius</i> 	Middle Spotted Woodpecker	<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"/>	Annex I Birds Directive	pop. size: 10-20 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	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA/AVES	 <i>Grus grus</i>	Common Crane	<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"/>	43	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 43 pairs
CHORDATA/AVES	 <i>Haliaeetus albicilla</i>	White-tailed Eagle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2013		LC 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Annex I Birds Directive, Polish red Data Book of Animals (LC)	pop. size: 1 pair, feeding site for 4-5 pairs
CHORDATA/AVES	 <i>Ichthyaetus melanocephalus</i>	Mediterranean Gull	<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"/>		2013			<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 0-4 pairs
CHORDATA/AVES	 <i>Ixobrychus minutus</i>	Little Bittern	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	35	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive (Directive 2009/147/EC), Polish Red Data Book of Animals (VU)	pop. size: 35 males
CHORDATA/AVES	 <i>Milvus migrans</i>	Black Kite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	feeding site for 3-4 pairs
CHORDATA/AVES	 <i>Milvus milvus</i>	Red Kite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2013		NT 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	feeding site for 3-4 pairs
CHORDATA/AVES	 <i>Panurus biarmicus</i>	Bearded Reedling	<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"/>	20	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 20 pairs
CHORDATA/AVES	 <i>Pernis apivorus</i>	European Honey Buzzard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	feeding site
CHORDATA/AVES	 <i>Picus canus</i>	Grey-headed Woodpecker	<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"/>		2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 6-10 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"/>	22	2013			<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive, Polish Red Data Book of Animals (EN)	pop. size: 22 males
CHORDATA/AVES	 <i>Porzana porzana</i>	Spotted 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"/>		2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 0-2 pairs
CHORDATA/AVES	 <i>Sterna hirundo</i>	Common Tern	<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"/>		2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	pop. size: 10 pairs, 495 in the surroundings
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 type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II Habitats Directive	
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 type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II, IV Habitats Directive, Polish red Data Book of Animals (NT)	
CHORDATA/ACTINOPTERYGII	 <i>Rhodeus sericeus</i>	Amur Bitterling; 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 type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	Annex II, IV Habitats Directive, Polish red Data Book of Animals (NT)	
CHORDATA/ACTINOPTERYGII	 <i>Sabanejewia aurata</i>	Golden Spined Loach; Aral Spined Loach	<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 II, IV Habitats Directive, Polish red Data Book of Animals (EN)	
Others																		
CHORDATA/AMPHIBIA	 <i>Bombina orientalis</i>	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"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex IV Habitats Directive	
CHORDATA/MAMMALIA	 <i>Castor fiber</i>	Eurasian Beaver	<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 II, IV Habitats Directive, Polish Red Data Book of Animals (NT)	
ARTHROPODA/INSECTA	 <i>Cerambyx cerdo</i>	Great Capricorn Beetle	<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"/>				VU 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II, IV Habitats Directive, Polish red Data Book of Animals (VU)	up to 200 refuge
CHORDATA/MAMMALIA	 <i>Eptesicus serotinus</i>	serotine; Common Serotine	<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 IV Habitats Directive	

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								
ARTHROPODA/ INSECTA	 <i>Lucanus cervus</i>	Stag Beetle	<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"/>	Annex II, IV Habitats Directive, Polish red Data Book of Animals (VU)	
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"/>				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"/>	Annex II, IV Habitats Directive, Polish red Data Book of Animals (LR)	about ten refuge
CHORDATA/ MAMMALIA	 <i>Myotis bechsteinii</i>	Bechstein's Myotis	<input checked="" 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, IV Habitats Directive	
CHORDATA/ MAMMALIA	 <i>Myotis dasycneme</i>	Pond Bat; Pond Myotis	<input checked="" 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, IV Habitats Directive, Polish Red Data Book of Animals (EN)	
CHORDATA/ MAMMALIA	 <i>Myotis daubentonii</i>	Daubenton's Myotis	<input checked="" 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 IV Habitats Directive	
CHORDATA/ MAMMALIA	 <i>Myotis myotis</i>	Mouse-eared Bat; Mouse-eared Myotis	<input checked="" 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>Myotis mystacinus</i>	Whiskered Myotis; Whiskered Bat	<input checked="" 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 IV Habitats Directive	
CHORDATA/ MAMMALIA	 <i>Myotis nattereri</i>	Natterer's Bat; Natterer's Myotis	<input checked="" 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 IV Habitats Directive	
CHORDATA/ MAMMALIA	 <i>Nyctalus noctula</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"/>	Annex IV Habitats Directive	
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"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Annex II, IV Habitats Directive	
ARTHROPODA/ INSECTA	 <i>Osmoderma eremita</i>	Hermit Beetle	<input checked="" 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, IV Habitats Directive, Polish red Data Book of Animals (VU)	more than ten refuge
CHORDATA/ MAMMALIA	 <i>Pipistrellus nathusii</i>	Nathusius's Pipistrelle	<input checked="" 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 IV Habitats Directive	
CHORDATA/ MAMMALIA	 <i>Pipistrellus pipistrellus</i>	Common Pipistrelle	<input checked="" 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 IV Habitats Directive	
CHORDATA/ MAMMALIA	 <i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	<input checked="" 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 IV Habitats Directive	
CHORDATA/ MAMMALIA	 <i>Plecotus austriacus</i>	Grey Long-eared Bat	<input checked="" 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 IV Habitats Directive	
CHORDATA/ AMPHIBIA	 <i>Triturus cristatus</i>	Great Crested Newt	<input checked="" 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

The Milicz Fishponds site constitutes a very important feeding and resting place for marshland waterbirds during their spring and autumn migrations; this in particular relates to geese and ducks (Anatidae). Large flocks of waterfowl gather within the site during migrations. The numbers of waterbirds within the site regularly exceed the threshold established by Criterion 5. During migration seasons flocks of Bean Goose *Anser fabalis* gather at the site with the population app. 30000 birds, what accounts for app. 7 % of the estimated Central, Southern and Western European population of that species.

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
9110 Luzulo-Fagenion forests	<input checked="" type="checkbox"/>	2,69 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
91E0* Riparian forests <i>Salicetum albae</i> , <i>Populetum albae</i> , <i>Alnenion glutinoso-incanae</i>	<input checked="" type="checkbox"/>	195,90 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
9170 Galio-Carpinetum, Tilio-Carpinetum forests	<input checked="" type="checkbox"/>	37,66 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)
3130 Edges or drained reservoirs' bottoms with the communities of <i>Litorelletea</i> , <i>Isoeto-Nanojuncetea</i>	<input checked="" type="checkbox"/>		Annex I of the Habitats Directive (Council Directive 92/43/EEC)
6510 Lowland hay meadows (<i>Arrhenatheretum medioeuropaeum</i>)	<input checked="" type="checkbox"/>	182,98 ha	Annex I of the Habitats Directive (Council Directive 92/43/EEC)

Optional text box to provide further information

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

4.1 - Ecological character

The site covers a large complex of fish ponds, located on a flat wetland with numerous natural marginal waters. They form postglacial drainage-like basins created as a result of the disappearing glacier, surrounded by moraine highlands and hills. Artificial ponds, that have been built as early as since the end of the 13th century, took advantage of natural depressions or developed with the use of artificial dikes. The numerous moraine sand dunes and hills that are surrounding the valley are mostly covered with forests and meadows. Sandy soils, podzols and sandy muds are the dominating soil types. The climate of the Barycz River Valley is moderately warm and humid. The average annual temperature is 7.7°C, with annual precipitation amounting to around 600 mm.

The Milicz Ponds lie in the catchment area/basin of the Barycz River and are supplied with its waters. The lack of industry and low population density contributed to the rather good quality of waters in the Barycz River and the Milicz Ponds. The Barycz River is a typical lowland watercourse with a small gradient (bed vertical declines), and an average annual water flow of 27.5 m³/s. The extreme flooding water levels occur in early spring and are connected with snow melting. The river is mostly regulated and controlled by 15 impounding dams, directing waters to fish ponds and irrigating nearby meadows.

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 >> Tp: Permanent freshwater marshes/pools		1		Representative
Fresh water > Marshes on inorganic soils >> Tp: Permanent freshwater marshes/pools		2		Representative
Fresh water > Lakes and pools >> Ts: Seasonal/intermittent freshwater marshes/pools on inorganic soils		3		Representative
Fresh water > Marshes on inorganic soils >> Ts: Seasonal/intermittent freshwater marshes/pools on inorganic soils		3		Representative
Fresh water > Marshes on inorganic soils >> W: Shrub-dominated wetlands		2		Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		2		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
1: Aquaculture ponds		1		Representative

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Settlements (Ruda Mlicka, Ruda Sułowska, Potasznica, Radziądz, Grabownica)	
Dry forests (Galio-Carpinetum, Tilio-Carpinetum forests Luzulo-Fagenion forests)	
Meadows and pastures (Lowland hay meadows Arrhenatherion elatioris)	

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>Dactylorhiza incarnata</i>	Early Marsh Orchid		Partially protected species under Polish Law
<i>Dactylorhiza majalis</i>	Western Marsh Orchid		Partially protected species under Polish Law
<i>Daphne mezereum</i>	Mezereon		Protected species under Polish Law
<i>Epipactis helleborine</i>	Broad-leaved Helleborine		Partially protected species under Polish Law
<i>Iris sibirica</i>	Siberian Iris		Partially protected species under Polish Law
<i>Lycopodium clavatum</i>	Wolfs-foot Clubmoss		Protected species under Polish Law
<i>Ophioglossum vulgatum</i>	Southern Adderstongue		Protected species under Polish Law
<i>Osmunda regalis</i>	Royal Fern		Protected species under Polish Law
<i>Salvinia natans</i>	Floating Fern		Protected species under Polish Law

Invasive alien plant species

Scientific name	Common name	IUCN Red List	Impacts	Changes at RIS update
<i>Impatiens parviflora</i>	Small-flowered Touch-me-not		Potentially	unknown
<i>Prunus serotina</i>	Black Cherry		Potentially	unknown

Optional text box to provide further information

Potential threat:
 solidago species (*Solidago* sp.),
 knotweed species (*Reynoutria* sp.)

4.3.2 - Animal species

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)	unknown

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)

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.

basin of the Barycz River

4.4.3 - Soil

Mneral

(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)

Sandy soils, podsols and sandy muds are the dominating soil types.

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

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

Water destination

Presence?	Changes at RIS update
To downstream catchment	unknown

Stability of water regime

Presence?	Changes at RIS update
Water levels largely stable	unknown

4.4.5 - Sediment regime

Significant accretion or deposition of sediments occurs on the site

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

Sediment regime is highly variable, either seasonally or inter-annually

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

Sediment regime unknown

4.4.6 - Water pH

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

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

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	High
Fresh water	Drinking water for humans and/or livestock	Low
Fresh water	Water for irrigated agriculture	Low
Fresh water	Water for energy production (hydro-electricity)	Low
Wetland non-food products	Timber	Low
Wetland non-food products	Fuel wood/fibre	Low
Wetland non-food products	Reeds and fibre	Medium

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	Low
Erosion protection	Soil, sediment and nutrient retention	Low
Pollution control and detoxification	Water purification/waste treatment or dilution	Low

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Picnics, outings, touring	Medium
Recreation and tourism	Recreational hunting and fishing	High
Recreation and tourism	Nature observation and nature-based tourism	High
Spiritual and inspirational	Cultural heritage (historical and archaeological)	Medium
Scientific and educational	Major scientific study site	High
Scientific and educational	Educational activities and opportunities	Medium
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	High
Scientific and educational	Long-term monitoring site	High

Supporting Services

Ecosystem service	Examples	Importance/Extent/Significance
Biodiversity	Supports a variety of all life forms including plants, animals and microorganisms, the genes they contain, and the ecosystems of which they form a part	High

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 biodiversity of this natural feature is largely influenced by the fishing economy that has been carried out for years on the ponds. Extensive fishery management is indispensable for the proper functioning of the reserve, and its abandonment or intensification may lead to deterioration of birds habitat conditions. Nowadays the Site is an example of extensively used fish ponds aimed at maintaining the richness of flora and fauna.

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

Description if applicable

The Milicz Ponds are of a major historical, social and cultural value as wetlands managed since the 12th century and used for developing fish ponds. They have served that purpose until now and are continuously used for extensive fish breeding.

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

Description if applicable

The specificity of the reserve is that it exists on the land on which the fishing economy is run. The fisheries economy implemented by the joint stock company Milka Ponds, to which about 70% of the area belongs. At the meeting point of breeding and nature protection due to divergent interests of owners and land managers, conflicts arise which must be skillfully mitigated and liquidated on the basis of substantive and practical knowledge. This area has a rich tourist offer, whose continuous development (activities of the local population, Partnership for the Barycz Valley) contributes to the orientation of tourism in a way that allows maintaining ecological values of the area.

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"/>
Provincial/region/state government	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Local authority, municipality, (sub)district, etc.	<input 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"/>
Cooperative/collective (e.g., farmers cooperative)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

State public company (Stawy Milickie S.A) and the private owner are the owners of the land within the site.

5.1.2 - Management authority

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

Regional Directorate of Environmental Protection in Wrocław

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

Wojciech Rejman, Regional Director of Environmental Protection in Wrocław

Postal address:

Al. Jana Matejki 6, 50-333 Wrocław, Poland

E-mail address:

sekretariat.wroclaw@rdos.gov.pl

5.2 - Ecological character threats and responses (Management)

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

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
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
Non specified	unknown impact		<input checked="" type="checkbox"/>	unknown	<input type="checkbox"/>	No change

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Unspecified		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"/>	No change	<input type="checkbox"/>	No change
Unspecified/others	unknown impact		<input checked="" type="checkbox"/>	unknown	<input type="checkbox"/>	No change

Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Invasive non-native/ alien species	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown
Problematic native species	unknown impact		<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	unknown

Please describe any other threats (optional):

Agriculture and aquaculture: non specified - plant succession
 Biological resource use: unspecified - poaching
 Human intrusions and disturbance: unspecified/others - illegal penetration of the site

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	Dolina Baryczy (Barycz Valley) PLB 20001	http://crfop.gdos.gov.pl/CRFOP/widok/viewnatura2000.jsf?fop=PL.ZIPOP.1393.N2K.PLB020001.B	whole
EU Natura 2000	Ostoja nad Baryczą (Barycz Refuge) PLH 020041	http://crfop.gdos.gov.pl/CRFOP/widok/viewnatura2000.jsf?fop=PL.ZIPOP.1393.N2K.PLH020041.H	whole

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Landscape Park	Park Krajobrazowy Dolina Baryczy (Barycz Valley Landscape Park)		whole
Nature Reserve	Rezerwat Przyrody Stawy Mlićkie (Milicz Fishponds Nature Reserve)	www.stawymilickie.pl	whole

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	Dolina Baryczy (Barycz Valley) PL092	www.ostojeptakow.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
Catchment management initiatives/controls	Implemented
Improvement of water quality	Implemented
Hydrology management/restoration	Implemented
Re-vegetation	Implemented
Land conversion controls	Implemented

Human Activities

Measures	Status
Harvest controls/poaching enforcement	Partially implemented
Regulation/management of wastes	Implemented
Livestock management/exclusion (excluding fisheries)	Implemented
Fisheries management/regulation	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:

Nature trails have been established within the boundaries of the site; there are also two sightseeing spots with observation towers. The ornithological Station of the University of Wrocław located in Ruda Milicka at the reserve's boundary plays a significant educational and informative role.

URL of site-related webpage (if relevant): www.stawymilickie.pl

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? Yes, there is a plan

5.2.7 - Monitoring implemented or proposed

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

Ornithological research is carried out on the reserve's area by scientists from the Ornithological Station of the University of Wrocław – inter alia, constant monitoring of the distribution of selected bird species in the breeding period, and research on the population of waterbirds in all phenological phases.

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Atlas Klimatu Polski (Climate in Poland – Atlas). IMGW. Warszawa 2005
 Baza danych gatunków inwazyjnych w Polsce (Database of invasive species in Poland) <http://www.iop.krakow.pl/ias>
 Birds Directive (Directive 2009/147/EC)
 BirdLife International 2004 Birds in Europe Population estimates, trends and conservation status
 Dobrowolski K., Lewandowski K. 1998. Ochrona środowisk wodnych i błotnych i błotnych w Polsce (Wetland protection in Poland). Dokumentacja przyrodnicza rezerwatu "Stawy Milickie" – praca zbiorowa pod kier. J. Witkowskiego (maszynopis) (Nature documentation of the "Milickie Ponds").
 Głowaciński Z. (red.). 2001. Polska czerwona księga zwierząt. Kręgowce. PWRiL, Warszawa, 2001. (Polish Red Data Book of Animals).
 Habitats Directive (Council Directive 92/43/EEC)
 Important Bird Areas, Dolina Baryczy (Barycz Valley) PL092 www.ostojeptakow.pl
 Information Sheet on Ramsar Wetlands Milicz Fishponds Nature Reserve (Rezerwat przyrody „Stawy Milickie”), Institute of Environmental Protection, Warsaw 2007.
 Mazurski K. M. "Kraina Stawów Milickich" Zakład Wydawniczo – Propagandowy PTTK Warszawa. (The Milickie Ponds Region).
 Ostoje ptaków o znaczeniu europejskim w Polsce, red. P.O. Sidło, B. Błaszowska i P. Chylarecki. OTOPI, Warszawa 2004. (Bird sites of European importance in Poland).
 Natura 2000 Site Dolina Baryczy (Barycz Valley) PLB 20001 <http://natura2000.mos.gov.pl/natura2000/pl/>
 Polska Czerwona Księga Roślin. 2001. Instytut Ochrony Przyrody im W. Szafera. Kraków 2001. (Polish Red Data Book of Plants - in Polish).
 Obszary chronione w Polsce. Instytut Ochrony Środowiska, Warszawa 2001. (Protected areas in Poland).
 Ramsar convention on wetlands <http://www.ramsar.org/>
 Rąkowski G., Wójcik J., Walczak M., Smogorzewska M., Janczewska A., Pisarski Z.: Parki krajobrazowe w Polsce (Landscape parks in Poland). Instytut Ochrony Środowiska, Warszawa 2002.
 Świerkosz. K. Identyfikacja rozmieszczenia i stanu zachowania siedlisk przyrodniczych z załącznika I Dyrektywy 92/43/EEC na terenie rezerwatu „Stawy Milickie” (Identification of the distribution and conservation status of the natural Habitats of Annex I of the Directive 92/43/EEC in the reserve "Stawy Milickie"), Wrocław 2012.
 Tomiałojć L., Stawarczyk T. Wrocław 2003. Awifauna Polski, rozmieszczenie, liczebność i zmiany (Birds of Poland, distribution, numbers, changes).
 Waterbird Population Estimates. Fourth Edition. Wetlands International 2006

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>

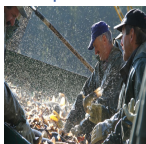
vi. other published literature

<no file available>

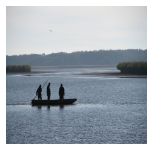
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6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



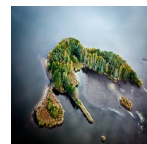
Fishermen in Milicz Fishponds (Wojciech Lewandowski, 18-10-2012)



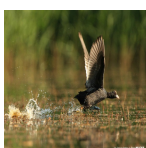
Fishermen in Milicz Fishponds (Wojciech Lewandowski, 18-10-2012)



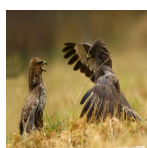
Fishermen in Milicz Fishponds (Wojciech Lewandowski, 21-11-2017)



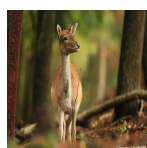
Milicz Fishponds (Paweł Kucharski, 15-10-2010)



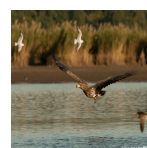
Milicz Fishponds (Dariusz Ogłoz, 31-05-2011)



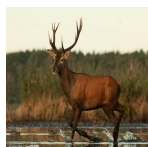
Milicz Fishponds (Dariusz Ogłoz, 26-10-2011)



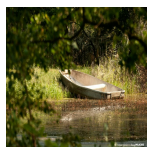
Milicz Fishponds (Dariusz Ogłoz, 11-10-2011)



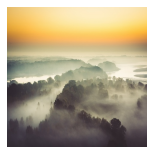
Milicz Fishponds (Dariusz Ogłoz, 13-10-2012)



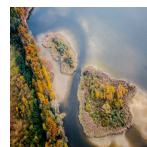
Milicz Fishponds (*Dariusz Ogloza, 25-09-2012*)



Milicz Fishponds (*Dariusz Ogloza, 20-09-2012*)



Milicz Fishponds (*Pawel Kucharski, 10-10-2014*)



Milicz Fishponds (*Pawel Kucharski, 28-10-2014*)



Milicz Fishponds (*Pawel Kucharski, 15-10-2014*)



Grabownica (*Pawel Kucharski, 10-10-2014*)



Stary Staw (*Pawel Kucharski, 10-10-2014*)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation