



Ramsar Information Sheet

Published on 1 January 2005

Update version, previously published on : 1 January 2005

Poland

Narew River National Park



| | |
|------------------|-----------------------|
| Designation date | 29 October 2002 |
| Site number | 1564 |
| Coordinates | 53°03'18"N 22°52'57"E |
| Area | 6 810,00 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

Narew River National Park is located in north-eastern Poland in Podlaskie Voivodeship. The Site is a 35 km section of a natural swampy valley within the borders of the National Park. The valley is wide as of a typical lowland river with a very well developed system of bends, oxbows and highly sinuous riverbed breaking through moraine hills. The wetland's landscape and wildlife features provide for its outstanding value for biodiversity conservation. Owing to specific hydrological and geological conditions, 90% of the site is swampy and inaccessible to people providing excellent refuge for rich flora and fauna, especially for local and migrating waterfowl. It is one of the most important Polish breeding sites for the aquatic warbler *Acocephalus paludicola*; regularly holds significant numbers of the black-tailed godwit *Limosa limosa*.

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

To year

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Unofficial name (optional)

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 No

(Update) B. Changes to Site area the area has decreased

(Update) The Site area has been calculated more accurately

(Update) The Site has been delineated more accurately

(Update) The Site area has increased because of a boundary extension

(Update) The Site area has decreased because of a boundary restriction

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? Yes (likely)

(Update) Are the changes Positive Negative Positive & Negative

(Update) Positive %

(Update) No information available

(Update) Optional text box to provide further information

Positive trends of abundance of a number of species of birds were observed as a result of conducting protective procedures (mowing / descaling, catching an invasive species).

(Update) Changes resulting from causes operating within the existing boundaries?

(Update) Changes resulting from causes operating beyond the site's boundaries?

(Update) Changes consequent upon site boundary reduction alone (e.g., the exclusion of some wetland types formerly included within the site)?

(Update) Changes consequent upon site boundary increase alone (e.g., the inclusion of different wetland types in the site)?

(Update) Please describe any changes to the ecological character of the Ramsar Site, including in the application of the Criteria, since the previous RIS for the site.

Positive changes related to conservation measures undertaken by national park.

(Update) Is the change in ecological character negative, human-induced AND a significant change (above the limit of acceptable change) Yes

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<1 file(s) uploaded>

Former maps

Boundaries description

The Ramsar site's boundaries are identical to the boundary of the Narew River National Park.

2.2.2 - General location

a) In which large administrative region does the site lie?

b) What is the nearest town or population centre?

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 | 10. Boreonemoral |
| 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 site is one of unique examples of a wetland complex with multi-bed lowland river with oxbows and old channels overgrown by wetland vegetation. The swampy valley acts as a sink for runoff and subsurface flow and helps to maintain the local hydrological balance. The wetland vegetation helps in water purification and provide wetland non-food products i.e. livestock fodder.

Other ecosystem services provided

The site is used for tourist and recreation purposes, main form of recreation use is kayaking and hiking. Canoeing rallies are being organised every year on the Narew River. Visitor movement is estimated to be about 5 – 10 thousand persons annually, which gives 0.7 – 1.4 persons/hectare/year. Due to traditional settlement and farming practices, the site also provides cultural values that attract visitors. It's also an important place for scientific and educational activities.

Other reasons

Narew River National Park contains several rare and unique wetland types on the scale of the biogeographical region, which have been preserved in a near- natural state. Great diversity of local wetland habitats supports many vulnerable and protected species of plants and animals, thus the site should be considered internationally important. The wild winding river constitutes a unique example of wetland system in the continental scale, and not only in the biogeographical region.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

Narew River National Park provides a variety of habitats to species important for maintaining biological diversity of sub-boreal biogeographical region (region of deciduous forests of Central Europe). Of special value is the richness of local vegetation (41 plant communities) and flora that includes 200 vascular species, numerous bryophytes and fungi, myxomycetes and algae. Local fauna embraces 33 species of mammals, 200 bird species including 154 species of breeding birds, 13 amphibian species and 22 fish species.

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

- Criterion 5 : >20,000 waterbirds

Overall waterbird numbers

15000-30000 ind. Anserifnae and 30000-60000 ind. Anatidae in 2014


Start year


















2010












Source of data:

Pruszyński M. 2010. Bagienna Dolina Narwi. W: Wilk T., Jujka M., Krogulec J., Chylarecki P. (red.). Ostoje ptaków o znaczeniu międzynarodowym w Polsce, ss. 210–212. OTOP, Marki, NPN archive-unpublished data














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>Bromus secalinus</i>  | Rye Brome | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered) | |

| Scientific name | Common name | Criterion 2 | Criterion 3 | Criterion 4 | IUCN Red List | CITES Appendix I | Other status | Justification |
|--|----------------------------|-------------------------------------|-------------------------------------|--------------------------|---|-------------------------------------|--|---------------|
|  <i>Carex praecox</i> | Spring-sedge | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered) | |
|  <i>Dactylorhiza fuchsii</i> | Common Spotted Orchid | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
|  <i>Dactylorhiza incarnata</i> | Early Marsh Orchid | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
|  <i>Dactylorhiza incarnata ochroleuca</i> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | Polish Red Data Book of Plants (EN) | |
|  <i>Dactylorhiza maculata</i> | Spotted Orchid | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
|  <i>Dactylorhiza majalis</i> | Broad-leaved Marsh Orchid | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
|  <i>Dianthus superbus</i> | Superb Pink | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
|  <i>Drosera rotundifolia</i> | Round-leaved Sundew | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | LC  | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
|  <i>Dryopteris cristata</i> | Crested Woodfern | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered) | |
|  <i>Gentiana pneumonanthe</i> | Marsh Gentian | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
|  <i>Hippuris vulgaris</i> | Mare's Tail | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | LC  | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered) | |
|  <i>Iris sibirica</i> | Siberian Iris | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
|  <i>Lathyrus palustris</i> | Marsh Pea; Marsh Vetchling | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | LC  | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
|  <i>Lycopodium clavatum</i> | Stag's-horn Clubmoss | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Polish Red List NT, partly protected in Poland, Annex IV of Habitats Directive | |

| Scientific name | Common name | Criterion 2 | Criterion 3 | Criterion 4 | IUCN Red List | CITES Appendix I | Other status | Justification |
|--|---------------------|-------------------------------------|-------------------------------------|--------------------------|---|--------------------------|--|---------------|
| <i>Pedicularis palustris</i>  | Red-rattle | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | LC  | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
| <i>Polemonium caeruleum</i>  | Jacob's Ladder | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Polish Red Data Book of Plants (VU) | |
| <i>Potentilla tanacetifolia</i>  | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
| <i>Radiola linoides</i>  | Allseed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered) | |
| <i>Ranunculus lingua</i>  | Greater Spearwort | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | LC  | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered), species protected in Poland | |
| <i>Succisella inflexa</i>  | Southern Succisella | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Polish Red Data Book of Plants (VU) | |
| <i>Utricularia vulgaris</i>  | Common Bladderwort | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | LC  | <input type="checkbox"/> | Red list of plants and fungi in Poland (V-vulnerable or endangered) | |
| <i>Viola epipsila</i>  | Dwarf Marsh Violet | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Polish Red Data Book of Plants (CR) | |

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

| Phylum | Scientific name | Common name | Species qualifies under criterion | | | | Species contributes under criterion | | | | Pop. Size | Period of pop. Est. | % occurrence ¹⁾ | IUCN Red List | CITES Appendix I | CMS Appendix I | Other Status | Justification |
|-----------------|---|----------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-----------|---------------------|----------------------------|--|--------------------------|-------------------------------------|--|--------------------------------------|
| | | | 2 | 4 | 6 | 9 | 3 | 5 | 7 | 8 | | | | | | | | |
| Birds | | | | | | | | | | | | | | | | | | |
| CHORDATA / AVES | <i>Acrocephalus paludicola</i>  | Aquatic Warbler | <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"/> | 20 | 2013 | | VU  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) Polish Red Data Book of Animals (VU) | pop. size: 20 males |
| CHORDATA / AVES | <i>Anas acuta</i>  | Northern Pintail | <input type="checkbox"/> | <input checked="" 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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES | <i>Anas clypeata</i>  | Northern Shoveler | <input type="checkbox"/> | <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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES | <i>Anas crecca</i>  | Green-winged Teal; Eurasian Teal | <input type="checkbox"/> | <input checked="" 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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES | <i>Anas platyrhynchos</i>  | Mallard | <input type="checkbox"/> | <input checked="" 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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES | <i>Anas querquedula</i>  | Garganey | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 15-20 pairs |
| CHORDATA / AVES | <i>Anas strepera</i>  | Gadwall | <input type="checkbox"/> | <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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES | <i>Anser albifrons</i>  | Greater White-fronted Goose | <input type="checkbox"/> | <input checked="" 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"/> | | Migrating/breeding/wintering species |

| 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>Anser anser</i> | Greylag Goose | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES |  <i>Anser fabalis</i> | Bean Goose | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES |  <i>Botaurus stellaris</i> | Eurasian Bittern | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 23 | 2013 | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 23 males |
| CHORDATA / AVES |  <i>Bucephala clangula</i> | Common Goldeneye | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES |  <i>Charadrius dubius</i> | Little Ringed Plover | <input 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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES |  <i>Chlidonias leucopterus</i> | White-winged Tern | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 36 | 2013 | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 36 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 43 | 2013 | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 43 pairs |
| 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 48 | 2013 | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 48 pairs |
| CHORDATA / AVES |  <i>Crex crex</i> | Common Crane | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2013 | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 156-166 pairs |
| CHORDATA / AVES |  <i>Cygnus cygnus</i> | Whooper Swan | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES |  <i>Cygnus olor</i> | Mute Swan | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES |  <i>Gallinago gallinago</i> | Common Snipe | <input 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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES |  <i>Gallinago gallinago</i> | Common Snipe | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2013 | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 268-288 pairs |
| CHORDATA / AVES |  <i>Gallinago media</i> | Great Snipe | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 6 | 2013 | | NT  | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 6 males |
| CHORDATA / AVES |  <i>Ixobrychus minutus</i> | Little Bittern | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3 | 2013 | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 3 males |
| CHORDATA / AVES |  <i>Limosa limosa</i> | Black-tailed Godwit | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 14 | 2013 | | NT  | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 14 pairs |
| CHORDATA / AVES |  <i>Luscinia svecica</i> | Bluethroat | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2013 | | | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 280-310 males |
| CHORDATA / AVES |  <i>Philomachus pugnax</i> | Ruff | <input type="checkbox"/> | <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"/> | | Migrating/breeding/wintering species |

| 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>Porzana parva</i> | Little 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"/> | 18 | 2013 | | | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 18 pairs |
| CHORDATA / AVES | <i>Porzana porzana</i> | Spotted 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"/> | 24 | 2013 | | LC | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 24 pairs |
| CHORDATA / AVES | <i>Scolopax rusticola</i> | Eurasian Woodcock | <input 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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES | <i>Tringa glareola</i> | Wood Sandpiper | <input 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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES | <i>Tringa ochropus</i> | Green Sandpiper | <input 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"/> | | Migrating/breeding/wintering species |
| CHORDATA / AVES | <i>Tringa totanus</i> | Common Redshank | <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"/> | 7 | 2013 | | LC | <input type="checkbox"/> | <input type="checkbox"/> | Annex I Birds Directive (Directive 2009/147/EC) | pop. size: 7 pairs |
| CHORDATA / AVES | <i>Vanellus vanellus</i> | Northern Lapwing | <input type="checkbox"/> | <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"/> | | Migrating/breeding/wintering species |
| 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | LC | <input type="checkbox"/> | <input type="checkbox"/> | Annex II of the Habitats Directive (Council Directive 92/43/EEC) | |
| CHORDATA / MAMMALIA | <i>Castor fiber</i> | Eurasian Beaver | <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"/> | 281 | 2013 | | LC | <input type="checkbox"/> | <input type="checkbox"/> | Annex II 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | NT | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Annex II of the Habitats Directive (Council Directive 92/43/EEC) | |
| CHORDATA / AMPHIBIA | <i>Triturus cristatus</i> | Northern Crested Newt | <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 II of the Habitats Directive (Council Directive 92/43/EEC) Polish Red Data Book of Animals (NT) | |

1) Percentage of the total biogeographic population at the site

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 |
|---|--|-------------|--|
| 3150 Natural eutrophic lakes with Magnopotamion or Hydrocharition-type vegetation | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 3270 Rivers with muddy banks with Chenopodion rubric p.p. and Bidenton p.p. vegetation | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 4030 European dry heaths | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 6230 Species-rich Nardus grasslands, on siliceous substrates in mountain areas | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 6410 Mulinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae) | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 6430 Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 7140 Transition mires and quaking bogs | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 7230 Alkaline fens | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 9170 Galio-Carpinetum oak-hornbeam forests | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 91D0 Bog woodland | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat Directive (Council Directive 92/43/EEC) |
| 91E0 Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae) | <input checked="" type="checkbox"/> | | Annex 1 of the Habitat 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 is located in the Northern Podlasie Lowland in the old river valley of post-glacial origin. The Narew River valley of the width of 2 – 4 km is flat and swampy. The River flows through multiple riverbeds that alternatively separate and unite creating irregular, complex network. Apart from active riverbeds there are many oxbows and old channels overgrown fully or partially by wetland vegetation. Active channels are fairly deep, from 3 – 6 m or even deeper. The channels are separated with sandy islets rising above flat bottom of the valley and in spring are inundated by freshet waters. One flooding period normally occurs due to snow melting during early spring and there is one period of low water between July and October. The River is fringed with fens (fluviogenous mires) and covered by reed and sedge beds, and interspersed by willow shrubs and alder and birch woods. Soils are mostly organic - muddy, peaty or develop from decaying peats. Water quality is generally low, but steadily improving in view of the progress in water treatment. Local climate is considered continental with low temperatures of winter months and high amplitude of yearly averages amounting to 23°C.

The wetland is a 35 km section of a natural swampy valley within the borders of the National Park. The valley is wide as of a typical lowland river with a very well developed system of bends, oxbows and highly sinuous riverbed breaking through moraine hills. The wetland's landscape and wildlife features provide for its outstanding value for biodiversity conservation. Owing to specific hydrological and geological conditions 90% of the site is swampy and inaccessible to people providing excellent refuge for rich flora and fauna, especially for local and migrating waterfowl. One of the most important Polish breeding sites for Aquatic Warbler (*Accephalus paludicola*); regularly holds significant numbers of Black-tailed Godwit (*Limosa limosa*).

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 | | 2 | 661 | Representative |
| Saline, brackish or alkaline water > Marshes & pools >> Ss: Seasonal/ intermittent saline/ brackish/ alkaline marshes/ pools | | 2 | | |
| Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools | | 4 | | |
| Fresh water > Marshes on peat soils >> U: Permanent Non-forested peatlands | | 1 | 5366 | Representative |
| Fresh water > Marshes on inorganic soils >> W: Shrub-dominated wetlands | | 4 | | |
| Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands | | 3 | | Representative |
| Fresh water > Marshes on peat soils >> Xp: Permanent Forested peatlands | | 3 | | 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 | | 1 | | Representative |
| 4: Seasonally flooded agricultural land | | 2 | | |
| 9: Canals and drainage channels or ditches | | 3 | | |

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>Gladiolus imbricatus</i> | | | Polish Red List NT, strictly protected in Poland |
| <i>Viburnum opulus</i> | guelder-rose | | |

Invasive alien plant species

| Scientific name | Common name | IUCN Red List | Impacts | Changes at RIS update |
|-------------------------------|----------------------|---------------|--------------------------|-----------------------|
| <i>Acer negundo</i> | Ash-leaved Maple | | Actually (minor impacts) | unknown |
| <i>Bidens frondosa</i> | Devil's beggar-ticks | | Potentially | unknown |
| <i>Cornus sericea</i> | Red Osier Dogwood | | Potentially | unknown |
| <i>Echinocystis lobata</i> | Wild Cucumber | | Actually (minor impacts) | unknown |
| <i>Impatiens glandulifera</i> | Himalayan Balsam | | Potentially | unknown |
| <i>Impatiens parviflora</i> | Small Balsam | | Potentially | unknown |
| <i>Prunus serotina</i> | Black Cherry | | Potentially | unknown |
| <i>Reynoutria japonica</i> | Japanese Knotweed | | Potentially | unknown |
| <i>Solidago canadensis</i> | Canada Goldenrod | | Potentially | unknown |
| <i>Solidago gigantea</i> | Giant Goldenrod | | Potentially | unknown |

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 |
|--------------------|--------------------------------|--------------------------|---------------|-----------|---------------------|-------------|-----------------------------------|
| ARTHROPODA/INSECTA | <i>Coenonympha oedippus</i> | False Ringlet | | | | | |
| ARTHROPODA/INSECTA | <i>Coenonympha tullia</i> | Common Ringlet | | | | | |
| ARTHROPODA/INSECTA | <i>Ectemnius fossorius</i> | | | | | | |
| ARTHROPODA/INSECTA | <i>Leucorrhinia pectoralis</i> | Yellow-spotted Whiteface | | | | | |
| ARTHROPODA/INSECTA | <i>Lycaena dispar</i> | Large Copper | | | | | |
| ARTHROPODA/INSECTA | <i>Maculinea alcon</i> | Alcon Blue | | | | | |
| ARTHROPODA/INSECTA | <i>Ophiogomphus cecilia</i> | Green Snaketail | | | | | |
| ARTHROPODA/INSECTA | <i>Polistes dominula</i> | European Paper Wasp | | | | | |
| ARTHROPODA/INSECTA | <i>Somatochlora arctica</i> | Northern Emerald | | | | | |

Invasive alien animal species

| Phylum | Scientific name | Common name | IUCN Red List | Impacts | Changes at RIS update |
|-------------------------|---------------------------|---------------------|---------------|--------------------------|-----------------------|
| CHORDATA/ACTINOPTERYGII | <i>Carassius gibelio</i> | Prussian Carp | | Actually (minor impacts) | unknown |
| CHORDATA/MAMMALIA | <i>Neovison vison</i> | American Mink | | Actually (major impacts) | unknown |
| ARTHROPODA/MALACOSTRACA | <i>Orconectes limosus</i> | spinycheek crayfish | | Actually (minor impacts) | unknown |

Optional text box to provide further information

Other noteworthy animal species:
Scolia hirta

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.

Narew River.

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)

Soils are mostly organic - muddy, peaty or developed from decaying peats.

4.4.4 - Water regime

Water permanence

| Presence? | Changes at RIS update |
|---------------------------------|-----------------------|
| Usually permanent water present | |

Source of water that maintains character of the site

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

Water destination

| Presence? | Changes at RIS update |
|-------------------------|-----------------------|
| Feeds groundwater | No change |
| To downstream catchment | No change |
| Marine | No change |

Stability of water regime

| Presence? | Changes at RIS update |
|--|-----------------------|
| Water levels fluctuating (including tidal) | No change |

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

One flooding period normally occurs due to snow melting during early spring and there is one period of low water between July and October. The main factor that might adversely affect the ecological character of the site is a diminished upstream water input, in view of the Siemianowka dam at the Byelorussian-Polish border.

4.4.5 - Sediment regime

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

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

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 |
|---------------------------|------------------|--------------------------------|
| Wetland non-food products | Livestock fodder | Low |
| Wetland non-food products | Reeds and fibre | Low |

Regulating Services

| Ecosystem service | Examples | Importance/Extent/Significance |
|--------------------------------------|--|--------------------------------|
| Maintenance of hydrological regimes | Groundwater recharge and discharge | Low |
| Pollution control and detoxification | Water purification/waste treatment or dilution | Low |
| Hazard reduction | Flood control, flood storage | Low |

Cultural Services

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

Supporting Services

| Ecosystem service | Examples | Importance/Extent/Significance |
|-------------------|---|--------------------------------|
| Biodiversity | Supports a variety of all life forms including plants, animals and microorganisms, the genes they contain, and the ecosystems of which they form a part | High |
| Soil formation | Sediment retention | Medium |
| Soil formation | Accumulation of organic matter | Medium |
| Nutrient cycling | Carbon storage/sequestration | 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
- ii) the site has exceptional cultural traditions or records of former civilizations that have influenced the ecological character of the wetland
- iii) the ecological character of the wetland depends on its interaction with local communities or indigenous peoples
- iv) relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological character of the wetland

<no data available>

4.6 - Ecological processes

<no data available>

5 - How is the Site managed? (Conservation and management)

5.1 - Land tenure and responsibilities (Managers)

5.1.1 - Land tenure/ownership

Public ownership

| Category | Within the Ramsar Site | In the surrounding area |
|-----------------------------|-------------------------------------|--------------------------|
| National/Federal government | <input checked="" type="checkbox"/> | <input 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"/> |
| Foundation/non-governmental organization/trust | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Other

| Category | Within the Ramsar Site | In the surrounding area |
|-----------------------------|--------------------------|-------------------------------------|
| Unspecified mixed ownership | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

5.1.2 - Management authority

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

Regional Directorate of Environment Protection in Białystok
Narew River National Park - local administration and implementation of nature conservation

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

Ryszard Modzelewski, Director of the Narew River National Park

Postal address:

1) ul. Dojlidy Fabryczne 23, 15-554 Białystok, Poland
sekretariat.bialystok@rdos.gov.pl

2) Kurowo 10; 18-204 Kobylin Borzymy, Poland
npr@nprn.pl

E-mail address:

sekretariat.bialystok@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

Human settlements (non agricultural)

| Factors adversely affecting site | Actual threat | Potential threat | Within the site | Changes | In the surrounding area | Changes |
|----------------------------------|----------------|------------------|--------------------------|-----------|-------------------------------------|----------|
| Housing and urban areas | unknown impact | unknown impact | <input type="checkbox"/> | No change | <input checked="" type="checkbox"/> | increase |

Water regulation

| Factors adversely affecting site | Actual threat | Potential threat | Within the site | Changes | In the surrounding area | Changes |
|-----------------------------------|----------------|------------------|--------------------------|-----------|-------------------------------------|----------|
| Canalisation and river regulation | unknown impact | unknown impact | <input type="checkbox"/> | No change | <input checked="" type="checkbox"/> | increase |
| Drainage | unknown impact | unknown impact | <input type="checkbox"/> | No change | <input checked="" type="checkbox"/> | unknown |
| Water releases | unknown impact | unknown impact | <input type="checkbox"/> | No change | <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 |
|----------------------------------|----------------|------------------|--------------------------|-----------|-------------------------------------|----------|
| Livestock farming and ranching | unknown impact | unknown impact | <input type="checkbox"/> | No change | <input checked="" type="checkbox"/> | increase |

Energy production and mining

| Factors adversely affecting site | Actual threat | Potential threat | Within the site | Changes | In the surrounding area | Changes |
|----------------------------------|----------------|------------------|-------------------------------------|----------|--------------------------|-----------|
| Renewable energy | unknown impact | | <input checked="" type="checkbox"/> | increase | <input type="checkbox"/> | No change |

Transportation and service corridors

| Factors adversely affecting site | Actual threat | Potential threat | Within the site | Changes | In the surrounding area | Changes |
|----------------------------------|----------------|------------------|-------------------------------------|---------|--------------------------|-----------|
| Shipping lanes | 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 |
|--|----------------|------------------|-------------------------------------|---------|--------------------------|-----------|
| Logging and wood harvesting | unknown impact | | <input checked="" type="checkbox"/> | unknown | <input type="checkbox"/> | No change |
| Fishing and harvesting aquatic resources | unknown impact | | <input checked="" type="checkbox"/> | unknown | <input type="checkbox"/> | No change |

Human intrusions and disturbance

| Factors adversely affecting site | Actual threat | Potential threat | Within the site | Changes | In the surrounding area | Changes |
|-------------------------------------|----------------|------------------|-------------------------------------|----------|--------------------------|-----------|
| Recreational and tourism activities | unknown impact | | <input checked="" type="checkbox"/> | increase | <input type="checkbox"/> | No change |

Natural system modifications

| Factors adversely affecting site | Actual threat | Potential threat | Within the site | Changes | In the surrounding area | Changes |
|--------------------------------------|----------------|------------------|-------------------------------------|---------|--------------------------|-----------|
| Fire and fire suppression | unknown impact | | <input checked="" type="checkbox"/> | unknown | <input type="checkbox"/> | No change |
| Vegetation clearance/land conversion | 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"/> | increase | <input type="checkbox"/> | No change |
| Problematic native species | unknown impact | | <input checked="" type="checkbox"/> | increase | <input 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"/> | No change |
| Agricultural and forestry effluents | unknown impact | | <input checked="" type="checkbox"/> | No change | <input checked="" type="checkbox"/> | No change |
| Garbage and solid waste | unknown impact | | <input checked="" type="checkbox"/> | unknown | <input checked="" type="checkbox"/> | unknown |

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 | Bagienna Dolina Narwi PLB200001 | | whole |
| EU Natura 2000 | Narwiańskie Bagna PLH200002 | | whole |

National legal designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|------------------|---------------------------|------------------------|--------------------------|
| National Park | Narew River National Park | | whole |

Non-statutory designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|---------------------|--------------------------------|------------------------|--------------------------|
| Important Bird Area | Bagienna Dolina Narwi PL049 | | 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

<no data available>

5.2.4 - Key conservation measures

Legal protection

| Measures | Status |
|------------------|-------------|
| Legal protection | Implemented |

Habitat

| Measures | Status |
|----------------------------------|-----------------------|
| Habitat manipulation/enhancement | Partially implemented |
| Improvement of water quality | Proposed |
| Hydrology management/restoration | Partially implemented |

Species

| Measures | Status |
|---|-----------------------|
| Threatened/rare species management programmes | Partially implemented |
| Control of invasive alien animals | Partially implemented |

Human Activities

| Measures | Status |
|--|-----------------------|
| Management of water abstraction/takes | Proposed |
| Livestock management/exclusion (excluding fisheries) | Proposed |
| Fisheries management/regulation | Implemented |
| Harvest controls/poaching enforcement | Partially 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

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No, but restoration is needed

Further information

The problem identified lies outside the boundaries of the RAMSAR area and the National Park. These are negative impacts on water flow as a result of the Siemianówka reservoir in the upper part of the Narew River. At present, there are no legal, social or practical mechanisms that can allow the restoration of the state of the Narew valley to the previous one.

5.2.7 - Monitoring implemented or proposed

| Monitoring | Status |
|-------------------------|-------------|
| Birds | Implemented |
| Water regime monitoring | Implemented |
| Water quality | Implemented |
| Plant species | Proposed |
| Animal community | Implemented |

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

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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:



Narew River Valley near Bokiny Village (*Monika Szewczyk, 19-07-2011*)



Narew River Valley near Bokiny Village (*Monika Szewczyk, 21-07-2011*)



Narew River Valley near Bokiny Village (*Monika Szewczyk, 21-07-2011*)



Narew River Valley near Suraz City (*Monika Szewczyk, 27-06-2007*)



Narew River Oxbow Lake
near Suraz City (*Monika
Szawczyk, 17-07-2011*)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation