



# Ramsar Information Sheet

Published on 2 September 2024

Update version, previously published on : 1 January 1992

## Germany

### Wastewater irrigation fields Münster



Designation date	28 October 1983
Site number	277
Coordinates	52°02'04"N 07°38'42"E
Area	233,00 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

District of Münster, City of Münster, ca. 2 km N of Münster.

Northern part of the former wastewater irrigation fields of the city of Münster, dissected by a network of paths, mostly closed to the public, into units of ca. 1-2 ha. The units consist largely of shallow water basins, less frequently of pasture. Numerous shallow water basins, fringed by reed beds, some of them large, and dissected by a network of mud banks, wet-pasture, woodland and scrub.

The area is of international importance as a staging, wintering, breeding and moulting site for waders (shorebirds), ducks and reedbed birds.

The site is also very important for other taxa.

## 2 - Data & location

### 2.1 - Formal data

#### 2.1.1 - Name and address of the compiler of this RIS

##### Responsible compiler

Institution/agency	Landesamt für Natur, Umwelt und Verbraucherschutz (LANUV)
Postal address	Leibnizstr. 10 45659 Recklinghausen Germany

##### National Ramsar Administrative Authority

Institution/agency	Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection
Postal address	Division N 14 / International Matters of Biological Diversity Postfach 12 06 29 53048 Bonn Germany

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

From year	<input type="text" value="1989"/>
To year	<input type="text" value="2024"/>

#### 2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	<input type="text" value="Wastewater irrigation fields Münster"/>
Unofficial name (optional)	<input type="text" value="Rieselfelder Muenster"/>

#### 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 type="radio"/> No <input checked="" type="radio"/>
(Update) B. Changes to Site area	No change to area
(Update) For secretariat only: This update is an extension	<input type="checkbox"/>

#### 2.1.5 - Changes to the ecological character of the Site

(Update) 6b i. Has the ecological character of the Ramsar Site (including applicable Criteria) changed since the previous RIS?	Yes (actual)
(Update) Are the changes	Positive <input type="radio"/> Negative <input type="radio"/> Positive & Negative <input checked="" type="radio"/>
(Update) Positive %	<input type="text" value="80"/>
(Update) Negative %	<input type="text" value="20"/>
(Update) No information available	<input type="checkbox"/>
(Update) Optional text box to provide further information	
<input type="text" value="In the 1980s/1990s, the dispatch of untreated waste water into the Ramsar site was replaced by treated and clean water only; consequently, there has been much less food available for waders (shorebirds) and large reedbeds have developed."/>	
(Update) Changes resulting from causes operating within the existing boundaries?	<input checked="" type="checkbox"/>
(Update) Changes resulting from causes operating beyond the site's boundaries?	<input checked="" type="checkbox"/>
(Update) Changes consequent upon site boundary reduction alone (e.g., the exclusion of some wetland types formerly included within the site)?	<input type="checkbox"/>
(Update) Changes consequent upon site boundary increase alone (e.g., the inclusion of different wetland types in the site)?	<input type="checkbox"/>
(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.	
<input type="text" value="In the 1990s, the dispatch of untreated waste water into the Ramsar site was replaced by treated and clean water only; consequently, there has been much less food available for waders (shorebirds) and large reedbeds have developed."/>	
(Update) Is the change in ecological character negative, human-induced AND a significant change (above the limit of acceptable change)	Yes <input type="radio"/>

## 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 comprises the former sewage ponds to the North of the road Coermühle. The boundaries of the Ramsar Site are identical with the boundaries of the nature reserve and the Northern part of the SPA "Rieselfelder Münster".

### 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
EU biogeographic regionalization	Atlantic region

### 3 - Why is the Site important?

#### 3.1 - Ramsar Criteria and their justification

<no data available>

Criterion 2 : Rare species and threatened ecological communities

Criterion 3 : Biological diversity

Justification

The site is important for biodiversity as it is a staging, wintering, breeding and moulting site for numerous waders (shorebirds), ducks and reedbed birds.

In the course of a year over 200 different bird species can be found in the site (around 150 wetland-related bird species) which consists of a diverse landscape mosaic of mostly shallow, but also some deep water areas, wet meadows, pastures, tree-lined avenues, forest plots, reed beds and scrub areas.

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

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

<no data available>

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

Phylum	Scientific name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
		2	4	6	9	3	5	7	8								
<b>Birds</b>																	
CHORDATA/AVES	<i>Acrocephalus scirpaceus</i>	<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"/>	300	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important breeding site Art 4(2) Birds Directive
CHORDATA/AVES	<i>Anas clypeata</i>	<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"/>	500	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important staging site Art 4 (2) Birds Directive
CHORDATA/AVES	<i>Anas crecca crecca</i>	<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"/>	1500	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important staging and wintering site Art 4 (2) Birds Directive
CHORDATA/AVES	<i>Anas platyrhynchos</i>	<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"/>	2000	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important staging and wintering site Art 4 (2) Birds Directive
CHORDATA/AVES	<i>Anas querquedula</i>	<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"/>	50	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important staging site Art 4 (2) Birds Directive
CHORDATA/AVES	<i>Anas strepera</i>	<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"/>	130	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important breeding site Art 4 (2) Birds Directive
CHORDATA/AVES	<i>Botaurus stellaris</i>	<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"/>	1	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix I Birds Directive	Important breeding site
CHORDATA/AVES	<i>Gallinago gallinago</i>	<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"/>	50	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important staging site Art 4 (2) Birds Directive
CHORDATA/AVES	<i>Ixobrychus minutus</i>	<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"/>	1	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix I EU Birds Directive	Important breeding site
CHORDATA/AVES	<i>Luscinia svecica</i>	<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"/>	100	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix I EU Birds Directive	Important breeding site
CHORDATA/AVES	<i>Panurus biarmicus</i>	<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"/>	10	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important breeding site Art 4 (2) Birds Directive
CHORDATA/AVES	<i>Philomachus pugnax</i>	<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"/>	40	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix I EU Birds Directive	Important staging site
CHORDATA/AVES	<i>Porzana porzana</i>	<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"/>	5	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix I EU Birds Directive	Important breeding site
CHORDATA/AVES	<i>Rallus aquaticus</i>	<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"/>	70	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important breeding site Art 4 (2) Birds Directive
CHORDATA/AVES	<i>Tachybaptus ruficollis</i>	<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"/>	50	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>		Important breeding site Art 4 (2) Birds Directive
CHORDATA/AVES	<i>Tringa glareola</i>	<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"/>	40	2015-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	Appendix I Birds Directive	Important staging site

1) Percentage of the total biogeographic population at the site

breeding area for waterbirds including reedbed birds + staging area for migratory waterbird species including waders (shorebirds)

### 3.4 - Ecological communities whose presence relates to the international importance of the site

<no data available>

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

### 4.1 - Ecological character

Shallow-water basins with mud-banks as well as deep-water basin representing an important site for resting and moulting waders and ducks. Vegetation typical for shores of ponds has developed on the edge of the basins. Each basin features reed beds along the shoreline, some of them large, consisting of *Phragmites australis*. In the South and in the North-East lie moderately moist to moderately wet pastures, which sometimes flood. Small damp oak- and birch-wood and alder (break)-wood with a few open, hydro-seral water pools (*Alnion glutinosae*, *Salicion cinereae*). The irrigated fields are biotopes replacing destroyed natural wetlands.

### 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	70	

#### Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type
2: Ponds		1	70
4: Seasonally flooded agricultural land		3	
8: Wastewater treatment areas		2	

### 4.3 - Biological components

#### 4.3.1 - Plant species

<no data available>

#### 4.3.2 - Animal species

##### Other noteworthy animal species

Phylum	Scientific name	Pop. size	Period of pop. est.	% occurrence	Position in range /endemism/other
CHORDATA/REPTILIA	<i>Natrix natrix</i>	140	2015-2017		

##### Invasive alien animal species

Phylum	Scientific name	Impacts	Changes at RIS update
CHORDATA/MAMMALIA	<i>Myocastor coypus</i>	Actual (minor impacts)	increase

### 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

#### 4.4.3 - Soil

Mineral

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

No available information

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

#### 4.4.4 - Water regime

##### Water permanence

Presence?	Changes at RIS update
Usually permanent water present	No change

##### Source of water that maintains character of the site

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

##### Stability of water regime

Presence?	Changes at RIS update
Water levels largely stable	No change

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

After the transfer of sewage treatment to the mega-sewage works of Münster in 1975, the installation of pumps for irrigation of the reserve became necessary. A pump-system built in 1980 used to pump up to 48,000 m3 of mechanically and biologically purified waste water from the Ems-drainage system up to the reserve and distribute it into the many basins. In the 1980s/1990s delivery of waste water into the site ended. Since, treated, clear water is delivered to the site.  
Water levels in the individual units can be controlled by means of a system with extensively branched pressure pipes.

#### 4.4.5 - Sediment regime

Sediment regime unknown

<no data available>

#### 4.4.6 - Water pH

Acid (pH<5.5)

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

Circumneutral (pH: 5.5-7.4)

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

Alkaline (pH>7.4)

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

Unknown

#### 4.4.7 - Water salinity

Fresh (<0.5 g/l)

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

Unknown

#### 4.4.8 - Dissolved or suspended nutrients in water

Eutrophic

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

Mesotrophic

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

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 site itself: i) broadly similar  ii) significantly different

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

##### Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Picnics, outings, touring	High
Recreation and tourism	Nature observation and nature-based tourism	High
Scientific and educational	Major scientific study site	Medium
Scientific and educational	Educational activities and opportunities	Medium

##### Supporting Services

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

Outside the site:

Have studies or assessments been made of the economic valuation of ecosystem services provided by this Ramsar Site? Yes  No  Unknown

#### 4.5.2 - Social and cultural values

i) the site provides a model of wetland wise use, demonstrating the application of traditional knowledge and methods of management and use that maintain the ecological character of the wetland

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

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

iv) relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological character of the wetland

<no data available>

### 4.6 - Ecological processes

<no data available>

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

### 5.1 - Land tenure and responsibilities (Managers)

#### 5.1.1 - Land tenure/ownership

##### Public ownership

Category	Within the Ramsar Site	In the surrounding area
Local authority, municipality, (sub)district, etc.	<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 type="checkbox"/>	<input checked="" type="checkbox"/>

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

The site is owned by the City of Münster.

#### 5.1.2 - Management authority

Please list the local office / offices of any agency or organization responsible for managing the site: City of Münster and Bezirksregierung Münster (representing the federal state of North-Rhine - Westphalia), in collaboration with the Biologische Station "Rieselfelder Münster" e.V. and Landesamt für Natur, Umwelt und Verbraucherschutz (LANUV)

Provide the name and/or title of the person or people with responsibility for the wetland: Dr. Michael Harenger

Postal address: Coermühle 181, 48157 Muenster

E-mail address: info@rieselfelder-muenster.de

### 5.2 - Ecological character threats and responses (Management)

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

##### Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Roads and railroads	High impact	High impact	<input checked="" type="checkbox"/>	increase	<input checked="" type="checkbox"/>	increase

##### Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Hunting and collecting terrestrial animals	Low impact	Low impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	decrease

##### 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	Medium impact	Medium impact	<input checked="" type="checkbox"/>	increase	<input checked="" type="checkbox"/>	increase

##### 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	Low impact	Low impact	<input checked="" type="checkbox"/>	increase	<input checked="" type="checkbox"/>	increase

#### 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	Vogelschutzgebiet "Rieselfelder Münster" 3911-401	<a href="http://natura2000-mel dedok.natur schutzinformationen.nrw.de/natura2000-mel dedok/de/start">http://natura2000-mel dedok.natur schutzinformationen.nrw.de/natura2000-mel dedok/de/start</a>	whole

##### National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Nature reserve	Rieselfelder Münster	<a href="http://nsg.naturschutzinformationen.nrw.de/nsg/de/start">http://nsg.naturschutzinformationen.nrw.de/nsg/de/start</a>	whole

Non-statutory designations

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

5.2.3 - IUCN protected areas categories (2008)

- Ia Strict Nature Reserve
- Ib Wilderness Area: protected area managed mainly for wilderness protection
- II National Park: protected area managed mainly for ecosystem protection and recreation
- III Natural Monument: protected area managed mainly for conservation of specific natural features
- IV Habitat/Species Management Area: protected area managed mainly for conservation through management intervention
- V Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation
- VI Managed Resource Protected Area: protected area managed mainly for the sustainable use of natural ecosystems

5.2.4 - Key conservation measures

Legal protection

Measures	Status
Legal protection	Implemented

Habitat

Measures	Status
Catchment management initiatives/controls	Implemented
Habitat manipulation/enhancement	Implemented
Hydrology management/restoration	Implemented

Species

Measures	Status
Threatened/rare species management programmes	Implemented

Human Activities

Measures	Status
Management of water abstraction/takes	Implemented
Communication, education, and participation and awareness activities	Implemented
Research	Implemented
Regulation/management of recreational activities	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:

Biologische Station "Rieselfelder Münster" e.V., Coermuehle 181, 48157 Muenster

URL of site-related webpage (if relevant): <http://www.biostation-muenster.org/>

5.2.6 - Planning for restoration

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

### 5.2.7 - Monitoring implemented or proposed

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

The monitoring of animals extends to birds, amphibians, reptiles, mammals, fish, grasshoppers, dragonflies and damselflies, zoobenthos and spiders.

## 6 - Additional material

### 6.1 - Additional reports and documents

#### 6.1.1 - Bibliographical references

Landesanstalt für Oekologie, Landschaftsentwicklung und Forstplanung 1989. Expert report on the improvement and long-term conservation of the "Wetland of International Importance" Rieselfelder Münster.

Vauk, G. 1988. Expert report on the ornithological Nature Reserve "Rieselfelder Münster".

BIOLOGISCHE STATION RIESELFELDER MÜNSTER (2012-2016): Jahresberichte 2012 bis 2016 über das das europäische Vogelschutzgebiet und Feuchtgebiet Internationaler Bedeutung (Ramsar) „Rieselfelder Münster“. Selbstverlag.

FELDMANN, B., A. KLEIN & M. KLEIN (2007-2016): Jahreszeitliches Auftreten ausgewählter Vogelarten. Jahresberichte der Biologischen Station Bände 9 (2006) bis 18 (2015).

FELDMANN, B. & A. KLEIN (2007-2016): Brutvögel der Rieselfelder. Jahresberichte der Biologischen Station Bände 9 (2006) bis 18 (2015).

Biologische Station Rieselfelder Münster (2024): Rieselfelder Münster - Naturerlebnis für alle!

#### 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:



Rieselfelder Münster ( Peter Herkenrath, 23-04-2016 )



Rieselfelder Münster, view from the south of the SPA towards the Ramsar site ( Peter Herkenrath, 23-04-2016 )

#### 6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation