



Ramsar Information Sheet

Published on 2 September 2024

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Germany

Baltic Sea Lagoons of Westrügen- Island Hiddensee-Peninsula Zingst



Designation date	31 July 1978
Site number	170
Coordinates	54°27'30"N 13°07'03"E
Area	26 290,00 ha

RIS for Site no. 170, Baltic Sea Lagoons of Westrügen- Island Hiddensee-Peninsula Zingst , Germany

Created by RSIS V.1.6 on - 2 September 2024

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

The Site is situated on the Baltic coast of the German Federal State Mecklenburg-Western Pomerania. It includes the lagoons west of the island Rügen as well as the island Hiddensee and the eastern part of the peninsula Zingst.

The Site represents a complex of lagoons with islands, peninsulas, temporarily flooded sand and mud flats, salt marshes, reed beds and with shorelines varying from high cliffs at the northern tip of Hiddensee to pebble or sandy beaches. It includes the shallow lagoons between the islands Rügen and Hiddensee with an extension of about 20,500 ha. The land area is about 5,600 ha and consists of salt marshes, heath, the hilly moraines of the northern part of Hiddensee, and several small islands, some of them hosting important colonies of coastal birds (Heuwiese, Liebitz, in former times also Fährinsel and Gänsewerder). Due to natural coastal dynamic processes, sandy banks and spits are formed in lagoon areas of low exposure (Bessin and Gellen). These areas are important breeding grounds for coastal birds as well as important resting sites.

The site is an important staging area for waders, a wintering area for Nordic geese, swans and ducks and supports numerous species of breeding birds. Various rare coastal invertebrates and a halophytic flora are present.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Responsible compiler

Institution/agency	Agency for the Environment, Nature Conservation and Geology Mecklenburg Western-Pomerania
Postal address	Goldbergerstraße 12 18273 Güstrow

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="2007"/>
To year	<input type="text" value="2019"/>

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Baltic Sea Lagoons of Westrügen- Island Hiddensee-Peninsula Zingst
Unofficial name (optional)	Ostseeboddengewässer Westrügen-Hiddensee-Zingst

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?	No
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2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<2 file(s) uploaded>

Former maps	<input type="text" value="0"/>
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Boundaries description

The border follows the southern coast of the lagoon „Kubitzer Bodden“, then it turns northwards along the lagoon coasts of West-Rügen up to Seehof/Steinort, from where it connects to the sandy spit of Bessin, island Hiddensee. Along the coast of West-Rügen the area includes the islands Liebitz, Heuwiese and Ummanz, as well as the salt marshes around the lagoon “Landower Wedde”. Around Hiddensee, it follows the outer coast of the island, the island being part of the Ramsar site. From the southern part of the island it connects to Pramort, the westernmost tip of Zingst peninsula. From there it connects at the settlement Kinnbacken to the mainland, follows the mainland coast to the east and finally crosses from Prohn to Bessiner Haken, where it reaches again the southern coast of Kubitzer Bodden. The Ramsar site is entirely part of the National Park "Vorpommersche Boddenlandschaft".

2.2.2 - General location

a) In which large administrative region does the site lie?	District: Vorpommern-Rügen; State: Mecklenburg-Western Pomerania; Federal Republic of Germany
b) What is the nearest town or population centre?	Stralsund; Bergen

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	Continental
Other scheme (provide name below)	Baltic

Other biogeographic regionalisation scheme

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 marshes are important for flood protection.
Other ecosystem services provided	The lagoons are used for fishing and the salt meadows for cattle grazing. Despite the fact that most of the area is protected as National Park, the Ramsar site has high importance for recreation and environmental education.
Other reasons	The Ramsar site is a representative example of the shallow lagoon waters characteristic for the coast of the eastern part of Mecklenburg-Western Pomerania. Note: There are no tides in the Baltic Sea, but irregular, wind-induced sea level fluctuations allow the development of similar habitats such as mud and sand flats or salt marshes. Hence, wetland types G and H are listed for the Ramsar site despite the lack of tides.

- Criterion 2 : Rare species and threatened ecological communities

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

- Criterion 5 : >20,000 waterbirds

Overall waterbird numbers	Overall waterbird numbers: 20,000.....73,000 Period data relates to: autumn migration / winter / spring migration
Start year	2007
End year	2019
Source of data:	LUNG MV, regular waterfowl counts
Optional text box to provide further information	Overall waterbird numbers: 20,000.....73,000 Period data relates to: autumn migration / winter / spring migration

- Criterion 6 : >1% waterbird population

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

Phylum	Scientific name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
Plantae								
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Anthyllis vulneraria maritima</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 3	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Atriplex calotheca</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 2	
TRACHEOPHYTA / LILIOPSIDA	<i>Blysmus rufus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 2	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Bupleurum tenuissimum</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 2	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Crambe maritima</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 2	
TRACHEOPHYTA / LILIOPSIDA	<i>Eleocharis parvula</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 2	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Eryngium maritimum</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 2	
TRACHEOPHYTA / LILIOPSIDA	<i>Hordeum secalinum</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	RL 2	
TRACHEOPHYTA / LILIOPSIDA	<i>Juncus balticus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	RL 1	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Odontites litoralis</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 1	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Petrocoptis glaucifolia</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 1	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Radiola linoides</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 1	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Rhinanthus serotinus halophilus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 1	
TRACHEOPHYTA / MAGNOLIOPSIDA	<i>Taraxacum euryphyllum</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	RL 1	

RL 1: German Red list: critically endangered

RL 2: German Red list: endangered

RL 3: German Red list: vulnerable

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								
Others																	
CHORDATA / MAMMALIA	<i>Halichoerus grypus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex II, EU Habitats Directive	
CHORDATA / MAMMALIA	<i>Lutra lutra</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"/>				NT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annex II, EU Habitats Directive	
CHORDATA / MAMMALIA	<i>Phoca vitulina</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex II, EU Habitats Directive	
Birds																	
CHORDATA / AVES	<i>Anas acuta</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3200	2012	4.3	LC	<input type="checkbox"/>	<input type="checkbox"/>		Resting/ wintering; Population North-west Europe

RIS for Site no. 170, Baltic Sea Lagoons of Westrügen- Island Hiddensee-Peninsula Zingst , Germany

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								
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"/>	10000	2008		LC	<input type="checkbox"/>	<input type="checkbox"/>		Resting/ wintering; Population platyrhynchos, Northern Europe/West Mediterranean
CHORDATA / AVES	<i>Aythya fuligula</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13000	2007-2013	1.46	LC	<input type="checkbox"/>	<input type="checkbox"/>		Resting/ wintering; W Siberia, NE & E Europe/S Europe & West Africa
CHORDATA / AVES	<i>Aythya marila</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7200	2007-2013	2.76	LC	<input type="checkbox"/>	<input type="checkbox"/>		Resting/ wintering; Population marila, Northern Europe/Western Europe
CHORDATA / AVES	<i>Charadrius hiaticula</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding
CHORDATA / AVES	<i>Cygnus cygnus</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1000	2006	2.9	LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	Resting/ wintering; Population North-west Mainland Europe
CHORDATA / AVES	<i>Cygnus olor</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11000	2007-2013	3.9	LC	<input type="checkbox"/>	<input type="checkbox"/>		Resting/ wintering/breeding; Population North-west Mainland & Central Europe
CHORDATA / AVES	<i>Grus grus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	35000	2015-2019	10	LC	<input type="checkbox"/>	<input type="checkbox"/>		Resting/ wintering; Population grus, North-west Europe/Iberia & Morocco
CHORDATA / AVES	<i>Haematopus ostralegus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding
CHORDATA / AVES	<i>Hydroprogne caspia</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	270	2012	10.8	LC	<input type="checkbox"/>	<input type="checkbox"/>		Population Baltic (bre)
CHORDATA / AVES	<i>Larus argentatus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding
CHORDATA / AVES	<i>Larus canus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding
CHORDATA / AVES	<i>Mergellus albellus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200	2008	3.5	LC	<input type="checkbox"/>	<input type="checkbox"/>		Resting/ wintering; Population North-west & Central Europe (win)
CHORDATA / AVES	<i>Mergus serrator</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding
CHORDATA / AVES	<i>Phalacrocorax carbo sinensis</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9000	2015-2019	1.5		<input type="checkbox"/>	<input type="checkbox"/>		Resting/ wintering/breeding; sinensis, Northern & Central Europe
CHORDATA / AVES	<i>Pluvialis apricaria</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7500	2012	5.35	LC	<input type="checkbox"/>	<input type="checkbox"/>		Resting/ wintering; Population altifrons, Northern Europe/Western Europe & NW Africa
CHORDATA / AVES	<i>Recurvirostra avosetta</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding
CHORDATA / AVES	<i>Sterna hirundo</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I Birds Directive	breeding
CHORDATA / AVES	<i>Sterna paradisaea</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding
CHORDATA / AVES	<i>Sternula albifrons</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding
CHORDATA / AVES	<i>Tadorna tadorna</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding

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								
CHORDATA / AVES	<i>Tringa totanus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>		breeding
CHORDATA / AVES	<i>Vanellus vanellus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	RL 2	breeding

1) Percentage of the total biogeographic population at the site

RL 1: German Red list: critically endangered
 RL 2: German Red list: endangered
 RL 3: German Red list: vulnerable

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

- brackish lagoon waters, with sandy-muddy bottoms, partly covered by algae, Characeae or eelgrass, important feeding and resting site for ducks, swans, geese; resting place for cranes during the night
- sandy spits and banks, very dynamic; important breeding site for Ringed Plover (*Charadrius hiaticula*), avocet (*Recurvirostra avosetta*), Oystercatcher (*Haematopus ostralegus*), Little tern (*Sternula albifrons*), Common tern (*Sterna hirundo*), resting and feeding sites for waders
- wind-generated Wadden areas (tidal areas/mud flats), resting and feeding site of waders
- dunes and heath
- small islands with bird colonies (Common gull (*Larus canus*); Herring gull (*Larus argentatus*); Mute swan (*Cygnus olor*); Cormorants (*Phalacrocorax carbo sinensis*)
- salt marshes (breeding sites of lapwing *Vanellus vanellus* and redshank *Tringa totanus*)

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

Marine or coastal wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
A: Permanent shallow marine waters		0		Representative
B: Marine subtidal aquatic beds (Underwater vegetation)		1		Representative
E: Sand, shingle or pebble shores		2		Representative
F: Estuarine waters		2		Representative
G: Intertidal mud, sand or salt flats		1		Unique
H: Intertidal marshes		1		Rare
J: Coastal brackish / saline lagoons		1		Unique

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
settlements	
heath and dunes	
forests	
Moraine hills in different stages of succession	
cliffs	

4.3 - Biological components

4.3.1 - Plant species

<no data available>

4.3.2 - Animal species

Invasive alien animal species

Phylum	Scientific name	Impacts	Changes at RIS update
CHORDATA/MAMMALIA	<i>Neovison vison</i>	Potential	increase
CHORDATA/MAMMALIA	<i>Nyctereutes procyonoides</i>	Potential	increase
CHORDATA/MAMMALIA	<i>Procyon lotor</i>	Potential	increase

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
C: Moist Mid-Latitude climate with mild winters	Cfb: Marine west coast (Mild with 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.

Baltic Sea.

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

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 surface water	<input type="checkbox"/>	No change
Marine water	<input type="checkbox"/>	No change

Water destination

Presence?	Changes at RIS update
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:

The lagoons have a protective function in case of storm floods.

4.4.5 - Sediment regime

Significant erosion of sediments occurs on the site

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

Significant accretion or deposition of sediments occurs on the site

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

Significant transportation of sediments occurs on or through 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

Please provide further information on sediment (optional):

There is sediment erosion, especially from cliffs (e.g., northern tip of Hiddensee). The sediments are transported parallel to the coast and deposited in zones of low exposure. There they form sandy spits, sand and mud flats, which temporarily fall dry (wind-generated wadden areas)

4.4.6 - Water pH

Circumneutral (pH: 5.5-7.4)

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

Unknown

4.4.7 - Water salinity

Mixohaline (brackish)/Mixosaline (0.5-30 g/l)

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

Euhaline/Eusaline (30-40 g/l)

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

Unknown

Please provide further information on salinity (optional):

The salinity of the lagoons west of Rügen varies usually between 8 and 10 psu; the western part of the Ramsar site belongs to the Darß-Zingst lagoon chain, which has an estuarine character (estuary of the rivers Recknitz and Barthe). Here the salinity is lower and subject to strong fluctuations.

4.4.8 - Dissolved or suspended nutrients in water

Eutrophic

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

Unknown

Please provide further information on dissolved or suspended nutrients (optional):

The shallow lagoon waters are eutrophic, however, the nutrient load has reduced during the last two decades.

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

Please describe other ways in which the surrounding area is different:

The surrounding area is the open Baltic Sea to the west and the island Rügen to the east.

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	Low

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Hazard reduction	Flood control, flood storage	High

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Recreational hunting and fishing	Medium
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
Scientific and educational	Educational activities and opportunities	Medium
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	Medium
Scientific and educational	Long-term monitoring site	High
Scientific and educational	Major scientific study 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
Nutrient cycling	Storage, recycling, processing and acquisition of nutrients	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

Other

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

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

The water surfaces are public ownership (Federal water ways), the terrestrial territory includes both public and private ownership. Fishing is done on the basis of customary rights
Rights of use: common/customary rights: withing site+surrounding area

5.1.2 - Management authority

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

Nationalparkamt Vorpommern
(for the area which belongs to the National Park Vorpommersche Boddenlandschaft, which makes up the major proportion of the Ramsar site)

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

Gernot Haffner

Postal address:

Im Forst 5, 18375 Born

E-mail address:

poststelle@npa-vp.mvnet.de

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
Drainage	Medium impact		<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Fishing and harvesting aquatic resources	Medium impact		<input checked="" type="checkbox"/>	No change	<input checked="" 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	Medium impact		<input checked="" type="checkbox"/>	No change	<input checked="" 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	Medium impact		<input checked="" type="checkbox"/>	increase	<input checked="" type="checkbox"/>	increase
Problematic native species	Medium impact		<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Pollution

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

Please describe any other threats (optional):

Invasive, non native species = mammal predators like raccoon dog and raccoon which pose a threat on breeding birds; problematic native species = foxes and wild boars for bird colonies; disturbances due to recreational activities, especially illegal behaviour; water drainage = dyked and drained salt marshes, e.g. on Hiddensee and Ummanz

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	{Westrügensche Boddenlandschaft mit Hiddensee 1544-302} {Recknitz-Ästuar und Halbinsel Zingst 1542-302} {Vorpommersche Boddenlandschaft und nördlicher Strelasund 1542-401}		partly
Other international designation	National Park "Western Pomeranian lagoon area"		partly

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
national park	Nationalpark Vorpommersche Boddenlandschaft		partly
nature reserve	Dornbusch und Schwedenhagener Ufer Dünenheide auf der Insel Hiddensee		partly

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
Improvement of water quality	Implemented
Habitat manipulation/enhancement	Implemented

Species

Measures	Status
Control of invasive alien animals	Implemented

Human Activities

Measures	Status
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

URL of site-related webpage (if relevant):

5.2.6 - Planning for restoration

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

5.2.7 - Monitoring implemented or proposed

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

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Zentrale für Wasservogelforschung und Feuchtgebietsschutz in Deutschland / Dachverband Deutscher Avifaunisten (1993): Die Feuchtgebiete Internationaler Bedeutung in der Bundesrepublik Deutschland. 110-114.
GOSSELCK, F., R. BÖNSCH, V. KELL & M. KREUZBERG (1994): Das Makrobenthos (Großalgen, submerse Gefäßpflanzen, wirbellose Tiere) der westrügensch Boddengewässer im Nationalpark Vorpommersche Boddenlandschaft. Gutachten im Auftrag des Nationalparkamtes Vorpommersche Boddenlandschaft: 1-30.
GOSSELCK, F. & V. KELL (1998): Der verborgene Nationalpark. Die Bodentiere und -pflanzen der Ostsee und der Bodden des Nationalparks Vorpommersche Boddenlandschaft. Natur und Naturschutz in Mecklenburg-Vorpommern 34: 113-129.
Ostseestiftung (2017): Konzept zum Erhalt der Biologischen Vielfalt für die Region Vorpommersche Boddenlandschaft und Rostocker Heide. accessible at https://www.ostseestiftung.de/wp-content/uploads/2020/12/Konzept_Vielfalt_bewahren.pdf
Datenbank Blütenpflanzen des LUNG (2015)

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:



Sandbanks at the Island Bock (Jürgen Reich, 06-06-2014)



Tidal flats at Bessin (Jürgen Reich, 30-05-2014)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation