

Ramsar Information Sheet

Published on 20 January 2016 Update version, previously published on 1 January 2002

Netherlands

Veluwerandmeren



Designation date 29 August 2000

Site number 1242

Coordinates 52°25'45"N 5°44'28"E

Area 6 123,50 ha

https://rsis.ramsar.org/ris/1242 Created by RSIS V.1.6 on - 5 October 2016

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 Veluwerandmeren is formed by three lakes situated between the dikes of polder Flevoland (reclaimed 1957) and the main land. All lakes are shallow waters of average 1 m depth to locally 5 meters. The lakes receive drainage water from the Flevopolders and some streams from the main land. The land-water transition zone is relatively underdeveloped due to an unnatural fixed water level.

Besides the extensive open water the lakes have (narrow) reed marshes and scrub vegetation at its shores, mainly at the eastern border. The site has several islands. The site has well developed submerged vegetation, which are an important feeding source for several species of herbivorous water birds.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Compiler 1

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Phone	+31 70 378 6868

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

From year 2013

To year 2013

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Veluwerandmeren

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) The boundary has been extended (Update) B. Changes to Site area the area has increased (Update) The Site area has increased because of a boundary extension ✓

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?

(Update) Are the changes Positive O Negative O Positive & Negative O

(Update) No information available (Update) Changes resulting from causes operating within the existing boundaries?

(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.

The Veluwerandmeren is one of the Ramsar sites in the larger area of the Usselmeergebied. The ecological system of Uselmeergebied is changing. Long term monitoring data indicate seven trends (Noordhuis, 2010), which may lead to changes in the ecological system of the Usselmeergebied and the Ramsar sites concerned. These trends are:

- 1. Decrease in eutrophication of the water, mainly due to strong decreasing phosphate levels;
- 2. Improvement of the chemical contamination of the water since the eighties;
- 3. Increase of submerged vegetation;
- 4. Continued changes in fish community, though the decrease in fish biomass seems to have stopped;
- 5. The biomass of the Zebra Mussel (Dreissena polymorpha) in the bigger lakes, IJsselmeer, Markermeer and IJmeer decreased, while it increased in the smaller lakes like the Veluwerandmeren. New exotic species may replace former sites of the Zebra mussel.
- 6. Birds follow the availability of food. Fish eating birds are highly dependent on Smelt, which availability decreased in the bigger lakes Usselmeer, Markermeer and Umeer. Mussel eating birds moved from the bigger lakes to the smaller lakes, like the Veluwerandmeren, where the availability of mussels increased. The development of submerged vegetation, especially in the smaller lakes, attracts herbivorous bird species.
- 7. Reed lands decrease due to the permanent water level. This also has a negative impact on reed breeding birds. Nature development created new habitat for breeding birds like gulls and terns. This new habitat requests intense nature management.

These trends may lead to irreversible (positive?) changes of the natural values and the application of the criteria for the Ramsar sites concerned (see also 3.1 Ramsar Criteria and their justification).

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

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<1 file(s) uploaded>

Boundaries description (optional)

The three Ramsar sites 'Drontermeer', 'Veluwemeer' and 'Wolderwijd en Nuldernauw' have been designated as one European Natura 2000-site named 'Veluwerandmeren'. A logical step as all three sites are connected and have similar ecosystems.

For this RIS-version, the Ramsar site boundary has therefore been adjusted to the Natura 2000 boundary. This means that all three Ramsar sites are now combined in one site and the name for the Natura 2000 site has been adopted.

Some recreational terrains, harbours, dikes, a sluice complex and farmland have been excluded from the site, while nature development areas to the eastern borders (like in the Drontermeer) have been included within the Ramsar site. In total this new boundary resulted in an increase of +13,8 ha.

2.2.2 - General location

a) In which large administrative region does the site lie? The site is located between the provinces of Flevoland, Gelderland and Overijssel.

b) What is the nearest town or population centre? The city of Harderwijk (population 45.650 per 1-1-2013; source CBS, Netherlands Statistics) is located at the eastern border in the middle of the site.

2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other countries?

b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party?

2.2.4 - Area of the Site

Official area, in hectares (ha): 6123.5

Area, in hectares (ha) as calculated from GIS boundaries 6124.01

2.2.5 - Biogeography

Biogeographic regions

Diogoogiapino rogiono	
Regionalisation scheme(s)	Biogeographic region
EU biogeographic regionalization	Atlantic

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 Veluwerandmeren was designated as a Natura 2000 site (both SAC and SPA) and can therefore be considered important for maintaining the biodiversity of the Atlantic biogeographic region. Besides the species mentioned under criterion 2, the site has also been designated as a SAC for a range of habitat types (Annex I of HD) and SPA for a number of bird species that are not on Annex I of the BD. Please refer to Section 3.4 > Ecological Communities for a list of Habitat types (according to the interpretation manual of EU-Habitat Directive) for which the site has been designated as a SAC.

- ☑ Criterion 4 : Support during critical life cycle stage or in adverse conditions
- ☑ Criterion 5: >20,000 waterbirds

Overall waterbird numbers 134020

Start year 2005

Source of data: Sovon, Dutch Centre for Field Ornithology

- ☑ Criterion 6 : >1% waterbird population
- ☑ Criterion 8 : Fish spawning grounds, etc.

Justification

The site has among others been designated as a SAC for following fish species: Spined Loach Cobitis taenia and Bullhead Cottus gobio (see criterion 2).

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
Epipactis palustris	Marsh Helleborine	V					National Red List - VU	
Euphorbia palustris	Marsh Spurge	2					National Red List - VU	
Oenanthe lachenalii	Parsley Water dropwort	2					National Red List - VU	
Parnassia palustris	Grass of parnassus				LC Sign		National Red List - W	
Pedicularis palustris	Marsh Lousewort				LC Singer		National Red List - VU	
Rhizomnium pseudopunctatum	rhizomnium moss	2					National Red List - VU	
Riccardia multifida		2					National Red List - EN	
Schoenoplectus lacustris lacustris	Sharp Club rush	v					National Red List - CR	

Criterion 2. species listed under Criterion 2 which do not appear in the table.

- Gyrodon lividus - National Red List (EN); has not yet been assessed for the IUCN Red List, but is in the Catalogue of Life - Tricholoma fulvum - National Red List (VU); has not yet been assessed for the IUCN Red List, but is in the Catalogue of Life

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

Phylum	Scientific name	Common name	ci qi	peci ualifi unde riteri	ies er ion	cont	ecies ributes nder terion	Size	Period of pop. Est.	% occurrence	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
CHORDATA/ AVES	Acrocephalus arundinaceus	Great Reed Warbler	- Ø								LC			National Red List - EN	
CHORDATA/ AVES	Anas acuta	Northern Pintail		V 6	2 🗆	V	000	942	2006-2010	1.6	LC				Criterion 4: The site is of particular importance for many breeding and non-breeding bird species of which several species gather in relatively small areas like resting species during migration and wintering periods. Criterion 6: Biographical population (non-breeding): NW-Europe
CHORDATA/ AVES	Anas clypeata	Northern Shoveler				V					LC				
CHORDATA/ AVES	Anas penelope	Eurasian Wigeon				/					LC Sign				
CHORDATA/ AVES	Anas strepera	Gadwall			2 🗆	2		1969	2006-2010	3.3	LC				Criterion 6: Biographical population (non-breeding): NW-Europe
CHORDATA/ AVES	Ardea alba	Great Egret	V(Annex I of the EU Birds Directive	Non-breeding bird
CHORDATA/ AVES	Aythya ferina	Common Pochard			/	7		2790	2006-2010	8	LC				Criterion 6: Biographical population (non-breeding): NW-Europe
CHORDATA/ AVES	Aythya fuligula	Tufted Duck			/	V		27872	2 2006-2010	2.3	LC ©				Criterion 6: Biographical population (non-breeding): NW-Europe

Phylum	Scientific name	Common name	qi u cr	pecies ualifies under iterion 4 6	СО	opecies ntributes under riterion	Pop. Size	Period of pop. Est	% occurrence	Pod	CITES Appendix I	CMS Appendix I	Other Status	Justification
CHORDATA/ AVES	Botaurus stellaris	Great Bittern	V							LC			National Red List - EN ; Annex I of the EU Birds Directive	Breeding bird
CHORDATA/ AVES	Bucephala clangula	Common Goldeneye								LC Sign				
CHORDATA/ ACTINOPTERYGI		Spined loach	V				7			LC Single			National Red List - LC; Annex II of the EU Habitats Directive	The site has among others been designated as a SAC for following fish species: Spined Loach Cobitis taenia and Bullhead Cottus gobio.
CHORDATA/ ACTINOPTERYGI		Bullhead	V							LC ©ist			National Red List - LC; Annex II of the EU Habitats Directive	The site has among others been designated as a SAC for following fish species: Spined Loach Cobitis taenia and Bullhead Cottus gobio.
CHORDATA/ AVES	Cygnus columbianus bewickii	Bewick's Swan	V	77			1672	2006-2010	8.4				Annex I of the EU Birds Directive	Non-breeding bird Criterion 4: The site is of particular importance for many breeding and non-breeding bird species of which several species gather in relatively small areas like resting species during migration and wintering periods. Criteria 6: Biographical population (non-breeding): W-Siberia / NW-Europe
CHORDATA/ AVES	Cygnus olor	Mute Swan		77	_ 		9448	2006-2010	3.8	LC ●st ●聞				Criterion 4: The site is of particular importance for many breeding and non-breeding bird species of which several species gather in relatively small areas like resting species during migration and wintering periods. Criterion 6: Biographical population (non-breeding): NW-Europe
CHORDATA/ AVES	Fulica atra	Common Coot		//			48770	3 2006-2010	2.8	LC ●数 ●簡				Criterion 4: The site is of particular importance for many breeding and non-breeding bird species of which several species gather in relatively small areas like resting species during migration and wintering periods. Criterion 6: Biographical population (non-breeding): NW-Europe
CHORDATA/ AVES	Mergellus albellus	Smew	2 (LC Sign			Annex I of the EU Birds Directive	Non-breeding bird
CHORDATA/ AVES	Mergus merganser	Common Merganser								LC Sign				
CHORDATA/ MAMMALIA	Myotis dasycneme	Pond bat	2							NT ● iii ● iiii			National Red List - LC; Annex II and IV of the EU Habitats Directive HD	
CHORDATA/ AVES	Netta rufina	Red-crested Pochard		77			672	2006-2010	1.3	LC ●# ●#				Criterion 4: The site is of particular importance for many breeding and non-breeding bird species of which several species gather in relatively small areas like resting species during migration and wintering periods. Criterion 6: Biographical population (breeding) based on one count only. NW-Europe
CHORDATA/ AVES	Phalacrocorax carbo	Great Cormorant								LC Sit Sites				
MOLLUSCA/ BIVALVIA	Pisidium amnicum		2										National Red List - VU	
CHORDATA/ AVES	Platalea leucorodia	Eurasian Spoonbill	V							LC Sir			Annex I of the EU Birds Directive	Non-breeding bird

Phylum	Scientific name		Species qualifies under criterion	Species contributes under criterion 3 5 7 8	Pop. Size	Period of pop. Est.	% occurrence	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
CHORDATA/ AVES	Podiceps cristatus	Great Crested Grebe	0000	2000				LC ●#				

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
Nitellopsidetum obtusae		Plant communities of European interest	
Chara contraria		Plant communities of European interest	
Charetum asperae		Plant communities of European interest	
Lemno-Nitelletum capillaries		Plant communities of European interest	
Ranunculo fluitantis		Plant communities of European interest	
Potametum perfoliati		Plant communities of European interest	
Potametum lucentis		Plant communities of European interest	
Groenlandietum		Plant communities of European interest	
Hard oligo-mesotrophic waters with benthic vegetation of Chara spp		Habitat types for which the site has been designated as a SAC	
Natural eutrophic lakes with Magnopatomion or Hydrocharition – type vegetation		Habitat types for which the site has been designated as a SAC	

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

4.1 - Ecological character

Besides the extensive open water (approx. 92%) the Veluwerandmeren has reed marshes and scrub vegetation at its shores, mainly near the mainland. The lake has as well developed underwater vegetation. These vegetations are an important feeding source for several species of herbivorous water birds.

Plant communities of European interest that occur are:

- Nitellopsidetum obtusae
- Chara contraria
- Charetum asperae
- Lemno-Nitelletum capillaries
- Ranunculo fluitantis
- Potametum perfoliati
- Potametum lucentis
- Groenlandietum

The ecosystem services mainly refer to:

- the opportunities for water recreation.
- the ability to store fresh water (especially i.r.t. climate change).
- the ability for agriculture to take fresh water in (for irrigation or livestock drinking water) or drain it off.

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 >> O: Permanent freshwater lakes		1	5634	
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/pools		2	490	

4.3 - Biological components

4.3.1 - Plant species

<no data available>

4.3.2 - Animal species

<no data available>

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
C: Moist Md-Latitude climate with mild winters	Cfb: Marine west coast (MId with no dry season, warm summer)

The climates according to Köppen are rainy (Cbf) and montane (EH).

The Veluwerandmeren is one of the Ramsar sites in the larger area of the Usselmeergebied. The ecological system of Uselmeergebied is changing. Long term monitoring data indicate seven trends (Noordhuis, 2010), which may lead to changes in the ecological system of the Usselmeergebied and the Ramsar sites concerned.

Please refer to Section 2.1.5 Changes to the ecological character of the Site, for a list of these trends.

4.4.2 - Geomorphic setting

a) Minimum elevation above sea level (in metres)

a) Maximum elevation above sea level (in	
a) ivaximum elevation above sea level (in	1
metres)	-1

Lower part of river basin 🗷

Please name the river basin or basins. If the site lies in a sub-basin, please also name the larger river basin. For a coastal/marine site, please name the sea or ocean.

The site receives its water from the river Rhine via other lakes and the river IJssel. The surface area of the Rhine catchment is 185.000 km². Geologically and geomorphologically it consists mainly of Quarternary, Paleozoic and Mesozoic sediments and Tertiary mountains.

4.4.3 - Soil

Mineral 🗹

Are soil types subject to change as a result of changing hydrological conditions (e.g., increased salinity or acidification)?

Please provide further information on the soil (optional)

The general soil types are: Alluvial, Brown forest soils and montane soils.

4.4.4 - Water regime

Water permanence

Presence?	Changes at RIS update
Usually permanent water present	

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

The Veluwerandmeren are border lakes which existed after the completion of the polder dike of Flevoland in 1957. Lake Drontermeer, lake Veluwemeer and lake Wolderwijd en Nuldernauw form one hydrological unit. The average depth of the lakes are respectively 1,24 meters, 1,55 meters and 1,72 meters, with depths of 4 meters in shipping lanes and 9 meters in sand extraction areas. As in other parts of the Usselmeergebied the water levels are unnatural, high in summer (NAP -0,05 to -0,10 m) and low in winter (NAP - 0,30 m).

The site receives most of its water from streams and seepage water coming from the Veluwe. In order to counter act eutrophication water from the polder Flevoland is let in, which has a low phosphate concentration.

4.4.5 - Sediment regime

Sediment regime unknown

4.4.6 - Water pH

Unknown 📝

4.4.7 - Water salinity

Unknown 🗹

4.4.8 - Dissolved or suspended nutrients in water

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

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 O ii) significantly different 10 characteristics in the area surrounding the Ramsar Site differ from the ii) broadly similar O iii) significantly different 10 characteristics in the area surrounding the Ramsar Site differ from the iii) broadly similar O iii) significantly different 10 characteristics in the area surrounding the Ramsar Site differ from the iii) broadly similar O iii) significantly different 10 characteristics in the area surrounding the Ramsar Site differ from the iii) broadly similar O iii) significantly different 10 characteristics in the area surrounding the Ramsar Site differ from the iii) broadly similar O iii) significantly different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the Ramsar Site different 10 characteristics in the area surrounding the

site itself:

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:

Land use in the immediate surrounding mainly refers to farming and forestry. On a broader scale the Veluwerandmeren belong to the river Rhine-catchment where the general land-use is forestry, pasture farming, arable farming and inproductive land (high mountains).

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	High
Fresh water	er Drinking water for humans and/or livestock Medium	
Fresh water	Fresh water Water for irrigated agriculture	

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	Water sports and activities	Medium	
Recreation and tourism	Picnics, outings, touring	Low	
Scientific and educational	Educational activities and opportunities	Medium	
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	Low	

Other ecosystem service(s) not included above:

This lake forms a hydrological buffer between the old land and the lower lying polders.

The surrounding land drains on the site. The site has a function in the storage of fresh water, among others for agricultural purposes during periods of drought.

Besides the extensive open water (approx. 92%) the Veluwerandmeren has reed marshes and scrub vegetation at its shores, mainly near the mainland. The lake has as well developed underwater vegetation. These vegetations are an important feeding source for several species of herbivorous water birds.

Current communications, education and public awareness (CEPA) activities include excursions and hikes.

Within the Ramsar Site: Boating 80%, Tourism and leisure 5%, Extractive operations 15%, Commercial fisheries 80%, Shipping traffic 15%, Conservation and research 1%, Water management 100%.

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

4.5.2 - Social and cultural values

<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

ı uu	lic owners	IIID

Category	Within the Ramsar Site	In the surrounding area
National/Federal		
government	662	6823

Private ownership

Category	Within the Ramsar Site	In the surrounding area
Foundation/non- governmental organization/trust	2	
Other types of private/individual owner(s)		✓

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

١.				• •
21	within	the	Ramsar	CITA

The site is partly owned by Staatsbosbeheer and Natuurmonumenten, the water is state owned.

b) in the surrounding area:

The water is state owned, on land several private owners.

5.1.2 - Management authority

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

Main management authorities:

- Staatsbosbeheer, P.O. Box 1300, 3970 BH Driebergen, the Netherlands, tel. +31 (0)30-6926111.
- Rijkswaterstaat IJsselmeergebied, P.O. Box 600, 8200 AP, Lelystad, tel. +31 (0)320 299 111.
- Natuurmonumenten, P.O. Box 9955, 1243 ZS 's-Graveland, tel. +31 (0)35 655 99 33.

Postal address:

See above

5.2 - Ecological character threats and responses (Management)

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

Human settlements (non agricultural)

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Tourism and recreation areas	Medium impact		✓	No change	✓	No change

Energy production and mining

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Mining and quarrying	Medium impact		✓	No change		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	Medium impact		✓	No change		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		/	No change		No change

Natural system modifications

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Vegetation clearance/ land conversion	Low impact		/	No change		No change

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Unspecified	Medium impact		✓	No change		No change

Please describe any other threats (optional):

Within the Ramsar site (A = serious threat covering large part of the area; B = moderate threat or local threat; C = minor threat):

- Extraction industry (B sand);
- Recreation/ tourism (B);
- Pollution (not Industrial discharge) (B eutrophication);
- Other: (C Removal of submerged vegetation (Potamogeton), which causes problems for boating, would negatively affect the site's integrity;
- Extension and deepening of the shipping lane (B);

b) in the surrounding area:

- Construction (B - Increase of recreational capacity of harbours in the region and potential increase of boating).

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	Veluwerandmeren		whole

5.2.3 - IUCN protected areas categories (2008)

IV Habitat/Species Management Area: protected area managed mainly of conservation through management intervention

5.2.4 - Key conservation measures

Legal protection

Measures	Status	
Legal protection	Implemented	

Other:

Nothing particular

5.2.5 - Management planning

Is there a site-specific management plan for the site? In preparation

Has a management effectiveness assessment been undertaken for the site? Yes O No

Ves O

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning Yes O No

processes with another Contracting Party?

Please indicate if a Ramsar centre, other educational or visitor facility, or an educational or visitor programme is associated with the site:

Current Scientific research and facilities:

see 5.2.7 Monitoring implemented or proposed.

Current recreation and tourism:

The Jsselmeergebied (including the Ketelmeer en Vossemeer) is very important for water recreation and tourism in the Netherlands. Organisations like HISWA (www.hiswa.nl), Watersportverbond (www.watersportverbond.nl), Vereniging voor beroepschartervaart (www.bbz-charter.nl), Sportvisserij Nederland (www.sportvisserijnederland.nl), Stichting Waterrecreatie Jsselmeer en Randmeren (www.stichtingwaterrecreatie.nl) or Stichting Verantwoord Beheer Jsselmeer (www.vbij.nl) all are important stakeholders in the field of recreation and tourism. For details on recreation types and frequency/intensity please see studies on the recreational use of the area (like Waterrecreatie Advies, 2010). In 2012 a formal code of conduct for recreation in the Jsselmeergebied was accepted by the Secretary of State of the Ministry of Economic affairs.

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? Please select a value

5.2.7 - Monitoring implemented or proposed

Ongoing biodiversity monitoring is one of the obligatory activities in relation to the designated Natura 2000-habitat types and species.

Main research in the Veluwerandmeren is carried out by Rijkswaterstaat IJsselmeergebied from the Ministry of Infrastructure and the Environment and SOVON Vogelonderzoek Nederland, the NGO for bird research in the Netherlands.

Relevant research is also carried out by the Institute for River Research, which is part of the Institute for Hydrolic Engineering (IHE, www.ihe.nl) in Delft, and the Center for Limnology (NIOO-CL, www.nioo.nl) in Nieuwersluis.

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

The number of scientific/technical references is too extended to list here. For a complete list please surf to the publication lists of the research institutes on the internet. For an arbitrary selection see below:

- Hornman, M., Hustings, F., Koffijberg, K., Kleefstra, R., Klaassen, O., van Winden, E., SOVON Ganzen- en Zwanenwerkgroep & L. Soldaat, 2012. Watervogels in Nederland 2009/2010. SOVON-rapport 2012/02, Waterdienst-rapport 12.06. SOVON Vogelonderzoek Nederland,
- Janssen, John, A.M. & Joop, H.J. Schaminée, 2009. Europese Natuur in Nederland. Zee en kust Natura 2000-gebieden. KNNV-Uitgeverij. 296p.
- Ministerie van LNV, 2009. Aanwijzingsbesluit Natura-2000 gebied Veluwerandmeren.
- Rijkswaterstaat & Deltares, 2010. Noordhuis R. (ed.) Ecosysteem Usselmeergebied nog altijd in ontwikkeling. Trends en ontwikkelingen in water en natuur van het Natte Hart van Nederland; 421p.
- Roomen, van, M.W.J, Boele A., van der Weide M.J.T., van Winden E.A.J, Zoetebier D. 2000. Belangrijke vogelgebieden in Nederland, 1993-97. Actueel overzicht van Europese vogelwaarden in aangewezen en aan te wijzen speciale beschermingszones en andere belangrijke gebieden. SOVON-informatierapport 2000/01. SOVON Vogelonderzoek Nederland, Beek-Ubbergen.
- Waterrecreatie Advies, 2010. Ontwikkeling watersport Usselmeergebied 2010. Deelrapportages provincies Flevoland, Fryslân, Gelderland, Noord-Holland en Overijssel. 178p.
- Wetlands International, 2006. Waterbird Population Estimates Fourth Edition. Wetlands International, Wageningen.

6.1.2 - Additional reports and documents

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

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

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

iv. relevant Article 3.2 reports

v. site management plan

vi. other published literature

<no data available>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



logo Ramsar (logo Ramsar,

6.1.4 - Designation letter and related data

Designation letter

Date of Designation 2000-08-29