

Ramsar Information Sheet

Published on 10 January 2017 Update version, previously published on 1 January 2002

Netherlands

Markermeer & IJmeer



Designation date 29 August 2000

Site number 1245

Coordinates 52°24'54"N 05°07'24"E

Area 68 463,40 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

A stagnant freshwater lake separated from Lake IJsselmeer by the closing of the Houtribdijk in 1976, in the east bordered by the reclaimed polders Oostelijk and Zuidelijk Flevoland (1957, 1968). The water level is kept higher during summer than in winter to provide water for farming. In the east it is adjacent to wetlands like Oostvaardersplassen and Lepelaarsplassen in the reclaimed polder Zuidelijk Flevoland. Submerged water vegetations exist in vast areas. Stoneworth vegetations exist in shallow and sheltered parts, like the Gouwzee. The area is especially important for the protection of water birds.

2 - Data & location

2.1 - Formal data

2.1.1 - N	lame and	address	of the	compiler	of this	RIS
-----------	----------	---------	--------	----------	---------	-----

_			- 4
(,0	mni	lor	- 1
Co	וטווו	ıcı	- 1

Name	Ms. A. Pel-Roest
Institution/agency	Ministry of Economic Affairs, Department of Nature and Biodiversity
	Prins Clauslaan 8 P.O. Box 20401 2500 EK The Hague The Netherlands
E-mail	a.j.pel@minez.nl
Phone	+31 70 378 6868

2.1.2	2 - Period	of collection of	of data and	d information	used to com	pile the	RIS
-------	------------	------------------	-------------	---------------	-------------	----------	-----

From year 2013

To year 2013

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Markermeer & IJmeer

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 No No No No No No N
^(Update) The boundary has been delineated more accurately ✓
(Update) The boundary has been extended □
^(Update) The boundary has been restricted □
(Update) B. Changes to Site area the area has increased
(Update) The Site area has been calculated more accurately ✓
(Update) The Site has been delineated more accurately ✓
(Update) The Site area has increased because of a boundary extension □
(Update) The Site area has decreased because of a boundary restriction □

2.1.5 - Changes to the ecological character of the Site

(Update) 6b i. Has the ecological character of the Ramsar Site (including applicable Criteria) changed since the previous RIS?
(Update) Are the changes Positive O Negative O Positive & Negative ●
(Update) No information available ✓
(Update) Changes resulting from causes operating within the existing boundaries? □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
(Update) Changes resulting from causes operating beyond the site's boundaries? □
(Update) Changes consequent upon site boundary reduction alone (e.g., the exclusion of some wetland types formerly included within the site)?
(Update) Changes consequent upon site boundary increase alone (e.g., the inclusion of different wetland types in the site)?
(Update) Please describe any changes to the ecological character of the Ramsar Site, including in the application of the Criteria, since the previous RIS for the site.

The Markeermeer & Umeer is one of the Ramsar sites in the larger area of the Usselmeergebied. The ecological system of the 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;
- 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. 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, 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 14).

(Update) Is the change in ecological character negative, human-induced Yes O 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 two Ramsar sites 'Markermeer' and 'IJmeer' have also been designated as one European Natura 2000-site named 'Markermeer & Umeer'. A logical step as both sites are actually one big site.

For this RIS-version, the Ramsar site boundary has therefore been adjusted to the Natura 2000-boundary, meaning that both Ramsar sites are now combined in one site. The boundary near the residential area Jburg in the southwest of the Jmeer has been delineated more accurately, while some harbours in the northeast of the Markermeer are excluded from the Ramsar site.

In total this new boundary resulted in an increase of 63.4ha.

2.2.2 - General location

a) In which large administrative region does Provinces of Flevoland and Noord-Holland the site lie?

b) What is the nearest town or population centre?

south of Enkhuizen (population 18.315 per 1-1-2013), west of Lelystad (population 75.778 per 1-1-2013) and Almere (population 195.213 per 1-1-2013) and northeast of Amsterdam (population 799.278 per 1-1-2013). (Source: CBS, Netherlands Statistics).

2.2.3 - For wetlands on national boundaries only

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

O countries?

b) Is the site adjacent to another designated Ramsar Site on the Yes O No (9) territory of another Contracting Party?

2.2.4 - Area of the Site

Official area, in hectares (ha): 68463.4

Area, in hectares (ha) as calculated from 68473.96 GIS boundaries

2.2.5 - Biogeography

Riogeographic regions

biogeographic regions								
Regionalisation scheme(s)	Biogeographic region							
EU biogeographic regionalization	Atlantic							

Other biogeographic regionalisation scheme

The bio-geographic regions dataset used, contains the official delineations used in the Habitats Directive (92/43/EEC) and for the EMERALD Network set up under the Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention)

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

The Markermeer & Umeer is 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 habitat type (Annex I of HD) and SPA for a number of bird species that are not on Annex I of the BD.

Justification

Habitat type (according to interpretation manual of EU-Habitat Directive) for which the site has been designated as a SAC:

- H3140 Hard oligo-mesotrophic waters with benthic vegetation of Chara spp
- ☑ Criterion 4 : Support during critical life cycle stage or in adverse conditions
- ☑ Criterion 5 : >20,000 waterbirds

Overall waterbird numbers 109806

Start year 2005

Source of data: Sovon, Dutch Centre for Field Ornithology

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

The site has an important function as a spawning, nursery and feeding ground for a range of fish species and it has among others been designated as a SAC for the conservation of 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
Oenanthe lachenalii	Parsley Water dropwort	₽					National Red List (2004) - VU	

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

Phylum	Scientific name	Common name	CITICITOTI	Critchion	Period of pop. Est.	% occurrence	IUCN Red A	CITES Appendix I	CMS Appendix I	Other Status	Justification
Birds			2 4 6 9	3 5 7 8							

Phylum	Scientific name	Common name	9 0	Spec qualif unde criter	fies er rion	conf	ecies ributes nder terion	Size	Period of pop. Est.	% occurrence 1)		CITES Appendix I	CMS Appendix I	Other Status	Justification
CHORDATA/ AVES	Anas clypeata	Northern Shovele	er 🔲			V									
CHORDATA/ AVES	Anas penelope	Eurasian Wigeor	n 🔲		2 🗆	V		48558	2006-2010	3.2					Non-breeding Biogeographic population: W-Siberia/ NW-NE Europe
CHORDATA/ AVES	Anas strepera	Gadwall				2									
CHORDATA/ AVES	Anser anser	Greylag Goose				/					LC Sisse				
CHORDATA/ AVES	Aythya ferina	Common Pochar	rd 🔲	.	2 🗆	V		32020	2006-2010	9.1	LC Sign				Criterion 4: See text box below Criterion 6: Non-breeding Biogeographic population: NW-Europe
CHORDATA/ AVES	Aythya fuligula	Tufted Duck		.	Z 🗆	V		46129	2006-2010	3.8	LC Sign				Criterion 4: See text box below Criterion 6: Non-breeding Biogeographic population: South-/West-Europe
CHORDATA/ AVES	Aythya marila	Greater Scaup				2					LC Str				
CHORDATA/ AVES	Branta leucopsis	Barnacle Goose	V								LC Sign			Annex I of the EU Birds Directive	non-breeding
CHORDATA/ AVES	Bucephala clangula	Common Goldeneye				V					LC ●数 ●翻				
CHORDATA/ AVES	Chlidonias niger	Black Tern	1								LC			Annex I of the EU Birds Directive	non-breeding
CHORDATA/ AVES	Fulica atra	Eurasian Coot		.	2 🗆	V		18022	2 2006-2010	1	LC ©# ©##				Criterion 4: See text box below Criterion 6: Non-breeding Biogeographic population: NW-Europe
CHORDATA/ AVES	Hydrocoloeus minutus	Little Gull	V								LC St St			Annex I of the EU Birds Directive	non-breeding
CHORDATA/ AVES	Mergellus albellus	Smew	√		2 🗆			504	2006-2010	1.3	LC Sign			Annex I of the EU Birds Directive	non-breeding Biogeographic population: NW-/Central-Europe
CHORDATA/ AVES	Mergus merganser	Common Merganser				V					LC Sign				
CHORDATA/ AVES	Netta rufina	Red-crested Pochard				1					LC Star				
CHORDATA/ AVES	Phalacrocorax carbo	Great Cormorant	t 🗆		2 🗆	V		9959	2006-2010	2.6	LC				Non-breeding Biogeographic population: Northern/ Central Europe
CHORDATA/ AVES	Platalea leucorodia	Eurasian Spoonbill	V								LC			Annex I of the EU Birds Directive	non-breeding
CHORDATA/ AVES	Podiceps cristatus	Great Crested Grebe				2					LC Start				non-breeding
CHORDATA/ AVES	Sterna hirundo	Common Tern	V								LC			National Red List (2004) - VU ; Annex I of the EU Birds Directive	breeding
Fish, Mollusc	Fish, Mollusc and Crustacea														
CHORDATA/ ACTINOPTERYGI	Cottus gobio	Bullhead	V					7			LC ●数 ●開			Annex II of the EU Habitats Directive ; (National Red List (2004) - LC)	

RIS for Site no. 1245, Markermeer & IJmeer, Netherlands

Phylum	Scientific name	Common name	qi t cr	ınde iter	ies er ion	COL	pecie ntribu undei riteric 5 7	tes on	Pop. Size	Period of pop. Est.	% occurrence	IUCN Red List	CMS Appendix I	Other Status	Justification
MOLLUSCA/ GASTROPODA	Lithoglyphus naticoides		V	0								LC ©SF		National Red List (2004) - VU	
	Pisidium amnicum	Greater European Peaclam	1											National Red List (2004) - VU	
MOLLUSCA/ BIVALVIA	Pisidium hibernicum		V											National Red List (2004) - VU	
MOLLUSCA/ GASTROPODA	Theodoxus fluviatilis		V									LC ©SF		National Red List (2004) - VU	
Others	Others														
CHORDATA/ MAMMALIA	Myotis dasycneme	Pond Myotis; pond bat	2									NT ●\$\$ ●®#		Annex II and IV of the EU Habitats Directive; (National Red List (2009) - LC)	

¹⁾ Percentage of the total biogeographic population at the site

Justification criterion 4

The site is of particular importance for many breeding and non-breeding bird species (see criterion 2, 3 and 6), of which several species gather in relatively small areas like large resting groups of Common Pochard Aythya ferina, Tufted Duck Aythya fuligula and Common Coot Fulica atra during winter time in the south of the site.

Justification criterion 5

The site regularly supports more than 20,000 wintering waterbirds: the average peak number was 104.696 for the period 2005/2006-2009/2010, which is slightly less than the average peak number of 109.806 for the period 1999/2000-2003/2004 (source: Sovon, Dutch Centre for Field Ornithology).

Justification criterion 6

Compared to the period of 1992-98 (previous updated RIS version) the Smew now also meets the 1% standard, while Gadwell and Greater Scaup do not meet the 1%-standard anymore. The seven trends described under 6b are an important factor in the change of bird populations within the Usselmeergebied.

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
H3140 - Hard oligo-mesotrophic waters with benthic vegetation of Chara spp			Annex I of EU Habitats Directive

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

4.1 - Ecological character

The Markermeer & Umeer is a permanent freshwater lake. Submerged water vegetations exist in vast areas. Stone worth vegetations exist in shallow and sheltered parts, like the Gouwzee. Water birds exist in great numbers especially during winter time.

Plant communities of European interest that occur are:

- Charetum hispidae
- Charetum asperae
- Nitellopsidetum obtusae
- Potametum perfoliati
- Potametum lucentis
- Ranunculo fluitantis

The ecosystem services mainly refer to:

- the wetlands potential 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 to 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	67094	
Fresh water > Marshes on inorganic soils >> Tp: Permanent freshwater marshes/ pools		2	1369	

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 Mid-Latitude dimate 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).

4.4.2 - Geomorphic setting

a) Mnimum elevation above sea level (in metres)	
a) Maximum elevation above sea level (in metres)	
Entire river basin (
Upper part of river basin (

RIS for Site no. 1245, N	Markermeer & IJmeer, N	Netherlands	
	More than o	one river basin	
	No	ot in river basin	
		Coastal	
Please name the river basis	n or basins. If the site lies in a	sub-basin, please also nam	e the larger river basin. For a coastal/marine site, please name the sea or ocean.
			ea of the Rhine catchment is 185.000 km². Geologically and Mesozoic sediments and Tertiary mountains.
4.4.3 - Soil			
		Mneral ☑	
	(Update) Changes	at RIS update No change	Increase O Decrease O Unknown O
		ole information	
Are soil types subject to conditi	o change as a result of changin ions (e.g., increased salinity or	ng hydrological acidification)?	
Please provide further infor	mation on the soil (optional)		
The general soil types	s are: Alluvial, Brown fore	est soils and montane s	oils.
4.4.4 - Water regime			
Water permanence			
Presence? Usually permanent water	Changes at RIS update		
present			
Source of water that maintain	ns character of the site		
Presence?	Predominant water source	Changes at RIS update	
Water inputs from rainfall Water inputs from surface		No change	
water	П	No change	
summer (NAP – 0,20 Eemmeer, water inlet Markermeer drains vi) and low in winter (NAP for lake Usselmeer, disc	 0,40 m). Water is sucharge water from the plotth Sea Channel into 	can be over 30 meters. For agricultural purposes the water level is high in pplied by several sources: rain, flow from the lakes Gooimeer and provinces Flevoland and North-Holland and by the river Vecht. Lake the North Sea. Water is also sluiced into lake Usselmeer. The soil mainly tagetation.
4.4.5 - Sediment regim			
	Sediment reg	gime unknown 🗹	
4.4.6 - Water pH			
e rrate. pr.		Unknown ☑	
		Olimowi —	
4.4.7 - Water salinity			
	F	Fresh (<0.5 g/l) 🗹	
	(Update) Changes	at RIS update No change	ncrease O Decrease O Unknown O
		Unknown	
4.4.8 - Dissolved or su	spended nutrients in wat		
		Unknown 🗆	
<no available="" data=""></no>			
4.4.9 - Features of the	surrounding area which i	may affect the Site	
	, and if so how, the landscape a	-	
characteristics in the area	a surrounding the Ramsar Site	differ from the i) broadly sin site itself:	illar ○ ii) significantly different
Surrounding a	rea has greater urbanisation of	r development	
Surroundin	ng area has higher human popu	ulation density	

							_
Surrounding		h-0-0		intonoire	a arriar de una	1	
Surrounding	area	nas	more	intensive	auricultura	use	-

Surrounding area has significantly different land cover or habitat types \Box

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

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

Regulating Services

3 3		
Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Storage and delivery of water as part of water supply systems for agriculture and industry	High

Cultural Services

Cartara Corvioco		
Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Picnics, outings, touring	High
Recreation and tourism	Water sports and activities	High
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	High

Other ecosystem service(s) not included above:

a) within the Ramsar site:

Boating 100%, Tourism and leisure 100%, Extractive operations 20%, Commercial fisheries 90%, Shipping traffic 20%, Conservation and research 100%, Water management 100%.

Hydrological values:

The surrounding polders (located below sea level) drain into the Jmeer and Markermeer which are discharged into the North Sea Channel (to the North Sea) or to lake Jsselmeer. The site is important for the provision of fresh water during drought or storage of water during wet periods.

b) in the surroundings/catchment:

The Markermeer & IJmeer is situated near the expanding cities of Amsterdam in the west and Almere in the east. Besides the ongoing urbanisation, the main land-use around the lake is still agriculture.

On a broader scale the Markermeer belongs to the river Rhine-catchment where the general land use is forestry, pasture farming, arable farming and inproductive land (high mountains).

Within the site:	see 5.2.5
Outside the site:	see 5.2.5

Have studies or assessments been made of the economic valuation of ecosystem services provided by this Ramsar Site?

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

ı ub	lic owners	u III

Category	Within the Ramsar Site	In the surrounding area
National/Federal		
government	66.3	6823

Private ownership

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

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

١.				• •
2	\ \x/ithin	tha	Ramsar	CITO
a.	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	นเษ	ranisai	SILC

Small part of the site is owned by Staatsbosbeheer (3 ha), the water is state owned.

b) in the surrounding area:

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

5.1.2 - Management authority

Please list the local office / offices of any | Main management authorities

agency or organization responsible for (1) Rijkswaterstaat Usselmeergebied

managing the site: (2) Staatsbosbeheer

(1) P.O. Box 600, 8200 AP, Lelystad, tel. +31 (0)320 299 111.

(2) P.O. Box 1300, 3970 BH Driebergen, the Netherlands, tel. +31 (0)30-6926111.

Postal address

5.2 - Ecological character threats and responses (Management)

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

Human settlements (non agricultural)

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Housing and urban areas	Medium impact		>	No change	✓	No change
Commercial and industrial areas	Medium impact	Low impact	V	No change	✓	No change

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Dredging			V			

Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Shipping lanes	Low impact		✓	No change		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		✓	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	Medium impact	€	No change	2	No change

Pollution

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

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	"Markermeer & IJmeer" (SPA and SAC)		whole

5.2.3 - IUCN protected areas categories (2008)

la 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

(YH	٦r.

The Ramsar site matches 100% with the designation for Natura 2000.

The process for the Natura 2000-management plan has been started.

Other current management practices:

Nothing particular

Conservation measures proposed but not yet implemented:

Plans for a more natural development of the Markermeer & Umeer (see www.markermeerijmeer.nl) to stimulate the ecological values.

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?

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:

The Usselmeergebied (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 Usselmeer en Randmeren (www.stichtingwaterrecreatie.nl) or Stichting Verantwoord Beheer Usselmeer (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 Usselmeergebied 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-habitattypes and species.

Most research and monitoring is carried out by the Institute for Inland Water Management and Waste Main research in the Veluwerandmeren is carried out by Rijkswaterstaat Usselmeergebied 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, Nijmegen.
- 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 Markermeer & IJmeer.
- Rijkswaterstaat & Deltares, 2010. Noordhuis R. (ed.) Ecosysteem IJsselmeergebied 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 IJsselmeergebied 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)

<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

<1 file(s) uploaded>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



Ramsar logo (*Pamsar logo* , 02-02-1971)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 2000-08-29