



Ramsar Information Sheet

Published on 27 July 2021

Update version, previously published on : 17 June 1997

Estonia Peipsiveere



Designation date	5 June 1997
Site number	906
Coordinates	58°23'17"N 27°17'40"E
Area	34 610,00 ha

Color codes

Fields back-shaded in light blue relate to data and information required only for RIS updates.

Note that some fields concerning aspects of Part 3, the Ecological Character Description of the RIS (tinted in purple), are not expected to be completed as part of a standard RIS, but are included for completeness so as to provide the requested consistency between the RIS and the format of a 'full' Ecological Character Description, as adopted in Resolution X.15 (2008). If a Contracting Party does have information available that is relevant to these fields (for example from a national format Ecological Character Description) it may, if it wishes to, include information in these additional fields.

1 - Summary

Summary

The wetland site is a large wilderness area formed by the vast Emajõe Suursoo mire complex, the waters of Lake Peipsi and the largest island of Peipsi lake, Piirissaar. The Emajõe Suursoo in the mouth of the River Emajõgi is the only delta-mire complex in Estonia represented by different types of mires, rivers and lakes. Being extremely important for the hydrology and water quality of Lake Peipsi, the site is also important as a moulting and staging area for waterbirds and as a spawning area for many fish species.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Responsible compiler

Institution/agency	Environmental Board
Postal address	Narva mnt 7a, 15172 Tallinn, Estonia

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

From year	2012
To year	2018

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Peipsiveere
Unofficial name (optional)	originally designated as: Emajõe Suursoo Mire and Piirissaar Island

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 checked="" type="radio"/> No <input type="radio"/>
(Update) The boundary has been delineated more accurately	<input checked="" type="checkbox"/>
(Update) The boundary has been extended	<input checked="" type="checkbox"/>
(Update) The boundary has been restricted	<input type="checkbox"/>
(Update) B. Changes to Site area	the area has increased
(Update) The Site area has been calculated more accurately	<input checked="" type="checkbox"/>
(Update) The Site has been delineated more accurately	<input checked="" type="checkbox"/>
(Update) The Site area has increased because of a boundary extension	<input checked="" type="checkbox"/>
(Update) The Site area has decreased because of a boundary restriction	<input type="checkbox"/>
(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

<1 file(s) uploaded>

Former maps	0
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Boundaries description

The boundary of the Ramsar site is the same as the Peipsiveere Nature Conservation Area. Previously the Ramsar Site had different name - Emajõe Suursoo Mire and Piirissaar Island, and it included three protected areas of different type: the Emajõe Suursoo Mire Reserve (18,130 ha), the Piirissaar Zoological-Botanical Reserve (755 ha) and the Limited Conservation Area of the Emajõgi Delta Region (11,310 ha). In 2013 the Peipsiveere Nature Conservation Area including all mentioned protected areas and covering 34,610 ha was founded.

2.2.2 - General location

a) In which large administrative region does the site lie?	Tartu County
b) What is the nearest town or population centre?	Tartu

2.2.3 - For wetlands on national boundaries only

RIS for Site no. 906, Peipsiveere, Estonia

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	boreal

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 wetland complex is extremely important for the hydrology and water quality of Lake Peipsi. It provides water storage and natural purification, sediment filtration, natural flood control (acting as floodplain during spring floods), and regulation of surface water and groundwater flow. Waters of River Emajõgi are purified largely in its own lower reaches and delta. Many small streams, canals and lakes supply additional water (partly groundwater) for Lake Peipsi and diminish the extent of pollution from surrounding agricultural areas.

Other ecosystem services provided

Supporting services: biodiversity, soil formation, nutrient cycling, pollination.
 Large range of cultural services: scientific and educational, recreation and tourism, spiritual and inspirational values. The whole area is important for tourism and out-door recreation: sport fishing, boating. A mixture of Estonian and Russian cultures occurs on Piiressaar Island, where the population forms one of the most compact Old Believer's community.
 Provisioning services: Lake Peipsi, rivers and smaller lakes are important for fishing and boating trips. Mires are occasionally used for berry picking.

Other reasons

Being an integral complex of different types of peatland (fens, transitional fens, bogs), rivers and lakes (including the shallow waters of Lake Peipsi), reedbeds and swamp forests the site is a good representative of a large mosaic inland wetland complex characteristic of the Boreal Biogeographical Region.
 The wetland complex plays important role in the biogeographical region as stopover and feeding area for migrating waterfowl, breeding ground for many waterbirds and as the unique wetland complex of river delta with high biodiversity. It is identified both as an IBA and Natura 2000 site.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

The site supports communities and habitats that are rare or particularly characteristic of the Boreal biogeographic region such as various mire types and river delta ecosystems with high biodiversity. The site contains ecosystems rich in bird and plants species.

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

- Criterion 5 : >20,000 waterbirds

Overall waterbird numbers 50 000

Start year 2004

Source of data: Bird census and expert estimation

- Criterion 6 : >1% waterbird population

- Criterion 8 : Fish spawning grounds, etc.

Justification

Wetland is extremely important as a spawning area for many fish species, including Perch *Perca fluviatilis*, Vendace *Coregonus albula*, Bream *Abramis brama*, Pike *Esox lucius*, Roach *Rutilus rutilus* etc., as well as the endangered Wels *Silurus glanis* and endemic Peipus Whitefish *Coregonus lavaretus maraenoides*.

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/ LILIOPSIDA	<i>Alisma gramineum</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU in Red List of Estonia	Rare in Estonia. Protected (II category)
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Bidens radiata</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU in Red List of Estonia	Rare in Estonia. Protected (II category)
BRYOPHYTA/ BRYOPSIDA	<i>Dicranum viride</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Annex II of EU Habitats Directive	Rare in Estonia. Protected (II category)
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Elatine hydropiper</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU in Red List of Estonia	Rare in Estonia. Protected (II category)
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Gentiana pneumonanthe</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU in Red List of Estonia	Rare in Estonia. Protected (II category)
BRYOPHYTA/ BRYOPSIDA	<i>Hamatocaulis vernicosus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Annex II of EU Habitats Directive	Rare in Estonia. Protected (II category)
TRACHEOPHYTA/ LILIOPSIDA	<i>Hammarbya paludosa</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	EN in Red List of Estonia	Rare in Estonia. Protected (II category)
TRACHEOPHYTA/ LILIOPSIDA	<i>Liparis loeselii</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU in Red List of Estonia; Annex II of the Habitats Directive	Rare in Estonia. Protected (II category)
TRACHEOPHYTA/ LILIOPSIDA	<i>Malaxis monophyllos</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU in Red List of Estonia	Rare in Estonia. Protected (II category) Only in wetland habitats

Important in maintaining the geographic range of a plant species/community

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>Canis lupus</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 checked="" type="checkbox"/>	<input type="checkbox"/>		Refuge for the species with large habitat requirement
ARTHROPODA/ INSECTA	<i>Dytiscus latissimus</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"/>				VU	<input type="checkbox"/>	<input type="checkbox"/>	Annexes II and IV of 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 and IV of EU Habitats Directive	
CHORDATA/ MAMMALIA	<i>Lynx lynx</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"/>		Refuge for the species with large habitat requirement
CHORDATA/ AMPHIBIA	<i>Pelobates fuscus</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"/>	VU in Red Data Book of Estonia; Annex IV of EU Habitats Directive	

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/ MAMMALIA	<i>Ursus arctos</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 checked="" type="checkbox"/>	<input type="checkbox"/>		Refuge for the species with large habitat requirement
Fish, Mollusc and Crustacea																	
CHORDATA/ ACTINOPTERYGII	<i>Cobitis taenia</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 of EU Habitats Directive	
CHORDATA/ ACTINOPTERYGII	<i>Coregonus maraenoides</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	CR in Red Data Book of Estonia	endemic
CHORDATA/ ACTINOPTERYGII	<i>Cottus gobio</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 of EU Habitats Directive	
CHORDATA/ ACTINOPTERYGII	<i>Misgurnus fossilis</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 of EU Habitats Directive	
CHORDATA/ ACTINOPTERYGII	<i>Silurus glanis</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	EN in Red Data Book of Estonia	
Birds																	
CHORDATA/ AVES	<i>Anser fabalis</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1000	2013-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	VU in Red Data Book of Estonia	Important moulting and staging area
CHORDATA/ AVES	<i>Aquila chrysaetos</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive; VU in Red List of Estonia	Breeding (1 pair)
CHORDATA/ AVES	<i>Aquila clanga</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	2013-2017		VU	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CR in Red Data Book of Estonia	
CHORDATA/ AVES	<i>Aythya marila</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	840	2013-2017		LC	<input type="checkbox"/>	<input type="checkbox"/>	CR in Red Data Book of Estonia	
CHORDATA/ AVES	<i>Botaurus stellaris</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (10-12 pairs)
CHORDATA/ AVES	<i>Caprimulgus europaeus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding /20-30 pairs)
CHORDATA/ AVES	<i>Chlidonias niger</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (150-200 pairs)
CHORDATA/ AVES	<i>Circus aeruginosus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (12-15 pairs)
CHORDATA/ AVES	<i>Crex crex</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (10-20 pairs)
CHORDATA/ AVES	<i>Cygnus columbianus</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	800	2013-2017	3.6	LC	<input type="checkbox"/>	<input type="checkbox"/>	Listed in Annex I of EU Birds Directive; VU in Red List of Estonia	Criterion 6: NW European population (autumn migration)
CHORDATA/ AVES	<i>Cygnus cygnus</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"/>	50	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	migration stop-over area (50 ind)
CHORDATA/ AVES	<i>Falco columbarius</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"/>	2	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (1-3 pairs)
CHORDATA/ AVES	<i>Ficedula parva</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (150-200 pairs)
CHORDATA/ AVES	<i>Gallinago media</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	2013-2016		NT	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive; VU in Red Data Book of Estonia	Breeding (6-8 ind)
CHORDATA/ AVES	<i>Grus grus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (10-15 pairs)
CHORDATA/ AVES	<i>Haliaeetus albicilla</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	2013-2016		LC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Annex I of EU Birds Directive	One of the most important breeding areas of strongly protected (I category) species
CHORDATA/ AVES	<i>Hydrocoloeus minutus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	300	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive; VU in Red List of Estonia	Breeding (300-350 pairs)

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>Lanius collurio</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"/>	30	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (30-50 pairs)
CHORDATA/AVES	<i>Lyrurus tetrix</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	200	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (200-300 ind)
CHORDATA/AVES	<i>Mergellus albellus</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	550	2013-2016	1	LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Criterion 6: North-west and Central Europe (win) population: migration stop-over area (550 ind)
CHORDATA/AVES	<i>Pandion haliaetus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (4 pairs)
CHORDATA/AVES	<i>Pluvialis apricaria</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (4-5 pairs)
CHORDATA/AVES	<i>Porzana parva</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	2013-2017			<input type="checkbox"/>	<input type="checkbox"/>	VU in Red Data Book of Estonia	
CHORDATA/AVES	<i>Porzana porzana</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (10-15 pairs)
CHORDATA/AVES	<i>Sterna hirundo</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (4-6 pairs)
CHORDATA/AVES	<i>Strix uralensis</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (3-5 pairs)
CHORDATA/AVES	<i>Sylvia nisoria</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (5-10 pairs)
CHORDATA/AVES	<i>Tringa glareola</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	2013-2016		LC	<input type="checkbox"/>	<input type="checkbox"/>	Annex I of EU Birds Directive	Breeding (6-8 pairs)

1) Percentage of the total biogeographic population at the site

Not listed in the Catalogue of Life:

Bufo viridis European Green Toad - criterion 2: (CR in Estonian Red Data Book, listed in Annex IV of EU Habitats Directive)

The site supports vulnerable and endangered species of birds and plants, some of them occurring in great numbers or densities. It supports a number of bird species of EU conservation interest, listed on Annex I of Council directive 2009/147/EC.

Important area for reproduction of fishes.

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
hydrophilous tall herb fringe communities (6430)	<input checked="" type="checkbox"/>		habitat of Annex I of the EU Habitats Directive
transition mires and quaking bogs (7140)	<input checked="" type="checkbox"/>		habitat of Annex I of the EU Habitats Directive
depressions on peat substrates of the Rhynchosporion (7150)	<input checked="" type="checkbox"/>		habitat of Annex I of the EU Habitats Directive
alkaline fens (7230)	<input checked="" type="checkbox"/>		habitat of Annex I of the EU Habitats Directive
Active raised bogs (7110)	<input checked="" type="checkbox"/>		priority habitat of Annex I of the EU Habitats Directive
bog woodland (91D0)	<input checked="" type="checkbox"/>		priority habitat of Annex I of the EU Habitats Directive
natural dystrophic lakes and ponds (3160)	<input checked="" type="checkbox"/>		habitat of Annex I of the EU Habitats Directive
hard oligo-mesotrophic waters with bentic vegetation of Chara spp. (3140)	<input checked="" type="checkbox"/>		habitat of Annex I of the EU Habitats Directive
rivers (3260)	<input checked="" type="checkbox"/>		habitat of Annex I of the EU Habitats Directive
Fennoscandian deciduous swamp woods (9080)	<input checked="" type="checkbox"/>		priority habitat of Annex I of the EU Habitats Directive

[Optional text box to provide further information](#)

In Estonia management planning in protected sites is based on habitat types listed in Annex I of the EU Habitats Directive.

Wetland habitats occurring in Ramsar site and listed in Annex I are: hard oligo-mesotrophic waters with bentic vegetation of Chara spp. (3140), natural dystrophic lakes and ponds (3160), water courses of plain to montane levels with the Ranunculion fluitans and Callitriche-Batrachion vegetation (3260), hydrophilous tall herb fringe communities of plains and of the montane to alpine levels (6430), active raised bogs (7110*), transition mires and quaking bogs (7140), depressions on peat substrates of the Rhynchosporion (7150), alkaline fens (7230), Fennoscandian deciduous swamp woods (9080*) and bog woodland (91D0*).

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

4.1 - Ecological character

Ramsar site Peipsiveere is a large, flat wilderness area formed by the Emajõe Suursoo Mire, the largest island in Lake Peipsi – Piirissaar, and connecting water area of the Lake Peipsi (the distance between the island and the mouth of River Emajõgi is 15 km). The Emajõe Suursoo Mire in the mouth of the River Emajõgi is the largest delta-mire complex in Estonia represented by different types of mires (fens, transitional fens, bogs), rivers, lakes and stripes of wet forest. Vast areas are characterised by reedbeds, shores and open waters. The hydrology is largely influenced by Lake Peipsi and river levels. The mire surface is only 1-2 m higher than the level of Lake Peipsi [the average level of the lake is about 30.1 m (high water up to 30.7 m)]. In spring, most of the area is flooded (max 18 000 ha).

The site is internationally important for migrating waterfowl and as a breeding area for many rare and threatened birds and mammals. It is also a major breeding area for fish of Lake Peipsi and a habitat for several rare amphibians. The wetland has been identified both as IBA and Natura 2000 site.

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

Inland wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Flowing water >> M: Permanent rivers/ streams/ creeks		3	428	Representative
Fresh water > Lakes and pools >> O: Permanent freshwater lakes		1	13021	Representative
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools		4	14	Representative
Fresh water > Lakes and pools >> Ts: Seasonal/ intermittent freshwater marshes/ pools on inorganic soils		3	428	Representative
Fresh water > Marshes on peat soils >> U: Permanent Non-forested peatlands		2	9605	Representative
Fresh water > Marshes on inorganic soils >> W: Shrub-dominated wetlands		4	62	Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		4	187	Representative
Fresh water > Marshes on peat soils >> Xp: Permanent Forested peatlands		2	9230	Representative

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type
2: Ponds		0	2
9: Canals and drainage channels or ditches		0	

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Forests on mineral soils	

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Phylum	Scientific name	Position in range / endemism / other
TRACHEOPHYTALILIOPSIDA	<i>Cyperus fuscus</i>	Rare in Estonia (II protection category)
TRACHEOPHYTALILIOPSIDA	<i>Dactylorhiza incarnata</i>	Protected (III category)
TRACHEOPHYTALILIOPSIDA	<i>Dactylorhiza maculata</i>	Protected (III category)
TRACHEOPHYTALILIOPSIDA	<i>Epipactis palustris</i>	Protected (III category)
TRACHEOPHYTAMAGNOLIOPSIDA	<i>Petasites spurius</i>	Protected (III category)
TRACHEOPHYTALILIOPSIDA	<i>Scirpus radicans</i>	Rare in Estonia (II protection category). Grows
TRACHEOPHYTAMAGNOLIOPSIDA	<i>Thalictrum lucidum</i>	Protected (III category)

Optional text box to provide further information

The plant list includes 425 species of vascular plants.

4.3.2 - Animal species

Other noteworthy animal species

Phylum	Scientific name	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
CHORDATA/AVES	<i>Acrocephalus arundinaceus</i>	50	2013-2017		breeding area
CHORDATA/AVES	<i>Anas platyrhynchos</i>	280	2013-2017		migration stop-over and breeding area
CHORDATA/AVES	<i>Anas querquedula</i>	400	2013-2017		migration stop-over and breeding area
CHORDATA/AVES	<i>Anser albifrons</i>	1000	2013-2017		migration stop-over area
CHORDATA/AVES	<i>Aythya ferina</i>	1000	2013-2017		migration stop-over and breeding
CHORDATA/AVES	<i>Bucephala clangula</i>	1500	2013-2017		stop-over migration
CHORDATA/AVES	<i>Cygnus alor</i>	25	2013-2017		breeding area
CHORDATA/AVES	<i>Larus ridibundus</i>	1000	2013-2017		breeding area
CHORDATA/AVES	<i>Limosa limosa</i>	5	2013-2017		breeding area
CHORDATA/AVES	<i>Mergus merganser</i>	140	2013-2017		migration stop-over area
CHORDATA/AVES	<i>Numenius arquata</i>	10	2013-2017		breeding area
CHORDATA/AVES	<i>Numenius phaeopus</i>	3	2013-2017		breeding area
CHORDATA/AVES	<i>Podiceps cristatus</i>	40	2013-2017		migration stop-over area

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
D: Moist Mid-Latitude climate with cold winters	Dfb: Humid continental (Humid with severe winter, no dry season, warm summer)

4.4.2 - Geomorphic setting

a) Minimum elevation above sea level (in metres)

a) Maximum elevation above sea level (in metres)

Entire river basin

Upper part of river basin

- Middle part of river basin
- Lower part of river basin
- More than one river basin
- Not in river basin
- Coastal

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

River Emajõgi

4.4.3 - Soil

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	

4.4.5 - Sediment regime

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 unknown

Please provide further information on sediment (optional):

Transportation of sediments mainly by River Emajõgi. Deposition of sediments in Lake Peipsi.

4.4.6 - Water pH

Acid (pH<5.5)

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

Circumneutral (pH: 5.5-7.4)

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

Unknown

Please provide further information on pH (optional):

Acid in bogs, circumneutral in other habitats

4.4.7 - Water salinity

Fresh (<0.5 g/l)

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

Unknown

4.4.8 - Dissolved or suspended nutrients in water

Eutrophic

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

Unknown

4.4.9 - Features of the surrounding area which may affect the Site

Please describe whether, and if so how, the landscape and ecological characteristics in the area surrounding the Ramsar Site differ from the site itself: i) broadly similar ii) significantly different

Surrounding area has greater urbanisation or development

Surrounding area has higher human population density

Surrounding area has more intensive agricultural use

Surrounding area has significantly different land cover or habitat types

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

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

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	High
Erosion protection	Soil, sediment and nutrient retention	Medium
Pollution control and detoxification	Water purification/waste treatment or dilution	Low
Climate regulation	Regulation of greenhouse gases, temperature, precipitation and other climatic processes	High
Climate regulation	Local climate regulation/buffering of change	Medium
Hazard reduction	Flood control, flood storage	Medium

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Picnics, outings, touring	Medium
Recreation and tourism	Recreational hunting and fishing	High
Recreation and tourism	Nature observation and nature-based tourism	High
Spiritual and inspirational	Aesthetic and sense of place values	Medium
Spiritual and inspirational	Cultural heritage (historical and archaeological)	Medium
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	Medium
Scientific and educational	Type location for a taxon	Medium
Scientific and educational	Major scientific study site	Medium

Supporting Services

Ecosystem service	Examples	Importance/Extent/Significance
Biodiversity	Supports a variety of all life forms including plants, animals and microorganisms, the genes they contain, and the ecosystems of which they form a part	High
Soil formation	Accumulation of organic matter	High
Soil formation	Sediment retention	Medium
Nutrient cycling	Carbon storage/sequestration	High
Pollination	Support for pollinators	Medium

Within the site:

Outside the site:

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

4.5.2 - Social and cultural values

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

RIS for Site no. 906, Peipsiveere, Estonia

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

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

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

<no data available>

4.6 - Ecological processes

<no data available>

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

5.1 - Land tenure and responsibilities (Managers)

5.1.1 - Land tenure/ownership

Public ownership

Category	Within the Ramsar Site	In the surrounding area
Other public ownership	<input type="checkbox"/>	<input checked="" type="checkbox"/>
National/Federal government	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Private ownership

Category	Within the Ramsar Site	In the surrounding area
Other types of private/individual owner(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5.1.2 - Management authority

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

Environmental Board

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

Kaili Viilma, Senior Nature Conservation Specialist

Postal address:

Aleksandri 14
51004 Tartu

E-mail address:

kaili.viilma@keskkonnaamet.ee

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			<input checked="" type="checkbox"/>		<input type="checkbox"/>	

Biological resource use

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

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Household sewage, urban waste water			<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Agricultural and forestry effluents			<input type="checkbox"/>		<input checked="" type="checkbox"/>	

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			partly

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
nature conservation area	Peipsiveere nature conservation area	https://www.riigiteataja.ee/akt/131122013004	whole

5.2.3 - IUCN protected areas categories (2008)

Ia Strict Nature Reserve

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

5.2.4 - Key conservation measures

Legal protection

Measures	Status
Legal protection	Implemented

Human Activities

Measures	Status
Fisheries management/regulation	Implemented

5.2.5 - Management planning

Is there a site-specific management plan for the site? Yes

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

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning processes with another Contracting Party? Yes No

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No 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

In the frame of state monitoring, 12 programs or subprograms are implemented. Different environmental parameters and aspects are monitored in 41 monitoring stations or monitoring points (including long-term monitoring of the breeding, migrating and wintering waterbirds, monitoring of beaver and otter, monitoring of eagles, monitoring of coastal landscapes, amphibians and reptiles, endangered plants and mosses, bird fauna of fens and bogs, fish species of international importance, as well as meteorological monitoring, etc.).

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Paal, J., Leibak, E. 2011. Estonian Mires: Inventory of Habitats. Tartu.
Second Assessment of Transboundary Rivers, Lakes and Groundwaters. United Nations Publication. pp. 365-369
van Eerden, M., Bos, V., van Hulst (eds). 2007. In the mirror of a lake. Peipsi and IJsselmeer for mutual reference. Centre for Water Management, Rijkswaterstaat. Lelystad.

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

<1 file(s) uploaded>

vi. other published literature

<no file available>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



River Emajõgi (*Herdís*
Friidlin, 18-12-2008)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation