



# Ramsar Information Sheet

Published on 27 April 2023

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## Finland

### Suurenaukeansuo - Isosuo Mires and Lake Pohjalampi



|                  |                       |
|------------------|-----------------------|
| Designation date | 2 February 2004       |
| Site number      | 1534                  |
| Coordinates      | 62°11'13"N 27°03'21"E |
| Area             | 1 640,00 ha           |

RIS for Site no. 1534, Suurenaukeansuo - Isosuo Mires and Lake Pohjalampi, Finland

Created by RSIS V.1.6 on - 27 April 2023

## 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

Most of the area consists of peatland. In addition, the area includes a couple of small lakes and a river through the area. Suurenaukeansuo–Isosuo Mires form the most representative example of eccentric bogs in the Lake District of Finland. The alluvial shores of River Naarajoki increase the value of the area. River Naarajoki is a part of a canoe route, too. The breeding wetland bird fauna includes northern affinities. The mires in the neighboring areas are mostly drained and dry, which emphasizes the importance of the mainly protected Ramsar site. Although there are old ditches, along which some of the snow melting waters still flow out of the marshes.

There are five Stone Age dwelling places that are located along the edges of the area, indicating a prehistoric lake that has been utilized by local fishermen.

## 2 - Data & location

### 2.1 - Formal data

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

##### Responsible compiler

|                    |  |
|--------------------|--|
| Institution/agency | Finnish Environment Institute (SYKE), Natural Environment Centre |
| Postal address     | PO Box 140<br>FI-00251<br>Finland                                |

##### National Ramsar Administrative Authority

|                    |   |
|--------------------|---|
| Institution/agency | Metsähallitus, Parks and Wildlife Finland |
| Postal address     | PO Box 94<br>FI-01301 Vantaa<br>Finland   |

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

|           |      |
|-----------|------|
| From year | 2010 |
| To year   | 2017 |

#### 2.1.3 - Name of the Ramsar Site

|   |  |
|---|--|
| Official name (in English, French or Spanish) | Suurenaukeansuo - Isosuo Mires and Lake Pohjalampi |
| Unofficial name (optional)                    | Suurenaukeansuo - Isosuo ja Pohjanlampi            |

#### 2.1.4 - Changes to the boundaries and area of the Site since its designation or earlier update

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

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

|  |  |
|--|--|
| (Update) 6b i. Has the ecological character of the Ramsar Site (including applicable Criteria) changed since the previous RIS? | No   |
| (Update) Optional text box to provide further information  | Wetland types and species, and ecosystem services have been reassessed according to current knowledge, but there are no changes to the ecological character. |

## 2.2 - Site location

### 2.2.1 - Defining the Site boundaries

b) Digital map/image  
<2 file(s) uploaded>

|             |   |
|-------------|---|
| Former maps | 0 |
|-------------|---|

##### Boundaries description

The site follows the Natura 2000 SAC/SPA Suurenaukeansuo - Isosuo - Pohjalampi SAC/SPA boundaries (completely overlapping SAC + SPA).

### 2.2.2 - General location

|  |   |
|--|---|
| a) In which large administrative region does the site lie? | Etelä-Savo region (Southern Savonia region) |
| b) What is the nearest town or population centre?          | Mikkeli / Pieksämäki                        |

### 2.2.3 - For wetlands on national boundaries only

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

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

#### 2.2.4 - Area of the Site

Official area, in hectares (ha):

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

#### 2.2.5 - Biogeography

##### Biogeographic regions

| Regionalisation scheme(s)         | Biogeographic region                   |
|-----------------------------------|--|
| EU biogeographic regionalization  | Boreal region                          |
| Other scheme (provide name below) | Southern boreal forest vegetation zone |

##### 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 Virgin mires play an important role in maintenance of water quality.

Other ecosystem services provided As an active and mostly pristine peat bog, the site is very valuable for carbon storage and flood control. The site also harbours biodiversity and serves as a source of inspiration and recreation.

Other reasons A representative example of 7 near-natural wetland types included in Annex I of the EU Habitats Directive (dominated by peatlands) in the EU Boreal region, including 2 priority natural wetland habitat types of the EU Habitat Directive (active raised bogs, bog woodland).

- Criterion 2 : Rare species and threatened ecological communities

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

Optional text box to provide further information The breeding wetland bird fauna includes northern affinities, such as the Golden Plover.

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

<no data available>

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

| Phylum                 | Scientific name             | Species qualifies under criterion   |                                     |                          |                          | Species contributes under criterion |                          |                          |                          | Pop. Size | Period of pop. Est. | % occurrence 1) | IUCN Red List | CITES Appendix I                    | CMS Appendix I           | Other Status   | Justification   |
|------------------------|-----------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|-----------|---------------------|-----------------|---------------|-------------------------------------|--------------------------|--|---|
|                        |                             | 2                                   | 4                                   | 6                        | 9                        | 3                                   | 5                        | 7                        | 8                        |           |                     |                 |               |                                     |                          |  |   |
| <b>Others</b>          |                             |                                     |                                     |                          |                          |                                     |                          |                          |                          |           |                     |                 |               |                                     |                          |  |   |
| CHORDATA/<br>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"/> | EU Habitats Directive - Annexes II, IV               |   |
| ARTHROPODA/<br>INSECTA | <i>Ophiogomphus cecilia</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"/> | EU Habitats Directive - Annex I                      |   |
| <b>Birds</b>           |                             |                                     |                                     |                          |                          |                                     |                          |                          |                          |           |                     |                 |               |                                     |                          |  |   |
| CHORDATA/<br>AVES      | <i>Anas acuta</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"/> | National Red List - EN                               |   |
| CHORDATA/<br>AVES      | <i>Cygnus cygnus</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"/> | EU Birds Directive - Annex I                         |   |
| CHORDATA/<br>AVES      | <i>Emberiza rustica</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"/> |  |   |
| CHORDATA/<br>AVES      | <i>Grus grus</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"/> | EU Birds Directive - Annex I                         |   |
| CHORDATA/<br>AVES      | <i>Hydrocoloeus minutus</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"/> | EU Birds Directive - Annex I                         |   |
| CHORDATA/<br>AVES      | <i>Lagopus lagopus</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"/> | National Red List - VU                               |   |
| CHORDATA/<br>AVES      | <i>Lyrurus tetrix</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"/> | EU Birds Directive - Annex I                         |   |
| CHORDATA/<br>AVES      | <i>Pandion haliaetus</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"/> | EU Birds Directive - Annex I                         |   |
| CHORDATA/<br>AVES      | <i>Pernis apivorus</i>      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |           |                     |                 | LC            | <input type="checkbox"/>            | <input type="checkbox"/> | National Red List - EN; EU Birds Directive - Annex I | The Site supports this species during breeding period.                    |
| CHORDATA/<br>AVES      | <i>Pluvialis apricaria</i>  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |           |                     |                 | LC            | <input type="checkbox"/>            | <input type="checkbox"/> | EU Birds Directive - Annex I                         | The Site supports this generally northern species during breeding period. |
| CHORDATA/<br>AVES      | <i>Podiceps auritus</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"/> |           |                     |                 | VU            | <input type="checkbox"/>            | <input type="checkbox"/> | National Red List - EN; EU Birds Directive - Annex I | The Site supports this species during breeding period.                    |
| CHORDATA/<br>AVES      | <i>Sterna hirundo</i>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |           |                     |                 | LC            | <input type="checkbox"/>            | <input type="checkbox"/> | EU Birds Directive - Annex I                         | The Site supports this species during breeding period.                    |
| CHORDATA/<br>AVES      | <i>Tringa glareola</i>      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |           |                     |                 | LC            | <input type="checkbox"/>            | <input type="checkbox"/> | EU Birds Directive - Annex I                         | The Site supports this species during breeding period.                    |

1) Percentage of the total biogeographic population at the site

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

RIS for Site no. 1534, Suurenaukeansuo - Isosuo Mires and Lake Pohjalampi, Finland

| Name of ecological community                               | Community qualifies under Criterion 2? | Description | Justification                   |
|--|--|-------------|---------------------------------|
| Natural dystrophic lakes and ponds                         | <input checked="" type="checkbox"/>    |             | EU Habitats Directive - Annex I |
| Fennoscandian natural rivers                               | <input checked="" type="checkbox"/>    |             | EU Habitats Directive - Annex I |
| Active raised bogs   | <input checked="" type="checkbox"/>    |             | EU Habitats Directive - Annex I |
| Degraded raised bogs still capable of natural regeneration | <input checked="" type="checkbox"/>    |             | EU Habitats Directive - Annex I |
| Transition mires and quaking bogs                          | <input checked="" type="checkbox"/>    |             | EU Habitats Directive - Annex I |
| Fennoscandian deciduous swamp woods                        | <input checked="" type="checkbox"/>    |             | EU Habitats Directive - Annex I |
| Bog woodland   | <input checked="" type="checkbox"/>    |             | EU Habitats Directive - Annex I |



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

### 4.1 - Ecological character

The site represents the Mire vegetation region of Eccentric bogs and Sphagnum fuscum bogs. The area includes ca. 1 400 ha of mires and ca. 90 ha of water. The area is composed mainly of oligotrophic Pine (*Pinus sylvestris*) bogs and poor fens, including several Sphagnum fuscum - type raised bogs with diverse and representative vegetation. The mires are restricted to the unmodified River Naarajoki with rich alluvial meadows and dense growths of Yellow Flag (*Iris pseudacorus*). Pohjalampi is a small lake (44 ha) characterized by extensive growths of Water Horsetail (*Equisetum fluviatile*) and sedge (*Carex* spp.) meadows on shores. The lake is surrounded by small areas of agricultural land.

### 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  | 38                        | Representative               |
| Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools   |            | 2  | 58                        | Rare                         |
| Fresh water > Marshes on peat soils >> U: Permanent Non-forested peatlands |            | 1  | 973                       | Representative               |
| Fresh water > Marshes on peat soils >> Xp: Permanent Forested peatlands    |            | 1  | 440                       | Representative               |

### 4.3 - Biological components

#### 4.3.1 - Plant species

<no data available>

#### 4.3.2 - Animal species

##### Other noteworthy animal species

| Phylum        | Scientific name        | Pop. size | Period of pop. est. | % occurrence | Position in range /endemism/other |
|---------------|------------------------|-----------|---------------------|--------------|-----------------------------------|
| CHORDATA/AVES | <i>Motacilla flava</i> |           |                     |              |                                   |

##### Invasive alien animal species

| Phylum            | Scientific name                 | Impacts   | Changes at RIS update |
|-------------------|---------------------------------|-----------|-----------------------|
| CHORDATA/MAMMALIA | <i>Neovison vison</i>           | Potential | unknown               |
| CHORDATA/MAMMALIA | <i>Nyctereutes procyonoides</i> | Potential | unknown               |

### 4.4 - Physical components

#### 4.4.1 - Climate

| Climatic region                                 | Subregion  |
|---|--|
| D: Moist Mid-Latitude climate with cold winters | Dfc: Subarctic (Severe winter, no dry season, cool 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 Kymijoki basin.

#### 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

Please provide further information on the soil (optional)

Mainly peat with small areas of glacial ground moraine.

#### 4.4.4 - Water regime

Water permanence

| Presence?                       | Changes at RIS update |
|---------------------------------|-----------------------|
| Usually permanent water present |                       |

Source of water that maintains character of the site

| Presence?                       | Predominant water source            | Changes at RIS update |
|---------------------------------|-------------------------------------|-----------------------|
| Water inputs from surface water | <input type="checkbox"/>            | No change             |
| Water inputs from precipitation | <input checked="" type="checkbox"/> | No change             |

Water destination

| Presence?               | Changes at RIS update |
|-------------------------|-----------------------|
| To downstream catchment | No change             |

Stability of water regime

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

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

Raised bogs dependent on rain water.  
 Depth of water: Shallow, ca. 1–2 m in Lake Pohjalampi. Water-level high in spring because of melting snow.

#### 4.4.5 - Sediment regime

Sediment regime unknown

<no data available>

#### 4.4.6 - Water pH

Unknown

#### 4.4.7 - Water salinity

Fresh (<0.5 g/l)

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

Unknown

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

Dystrophic

(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

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

Most of the surrounding areas are drained and in forestry use. Lake Pohjalampi and part of the River Naarajoki are surrounded mainly by fields.

### 4.5 - Ecosystem services

#### 4.5.1 - Ecosystem services/benefits

##### Provisioning Services

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

##### Regulating Services

| Ecosystem service  | Examples   | Importance/Extent/Significance |
|--------------------|--|--------------------------------|
| Climate regulation | Regulation of greenhouse gases, temperature, precipitation and other climactic processes | Medium                         |
| Hazard reduction   | Flood control, flood storage   | Low                            |

##### Cultural Services

| Ecosystem service           | Examples   | Importance/Extent/Significance |
|-----------------------------|--|--------------------------------|
| Recreation and tourism      | Nature observation and nature-based tourism  | Low                            |
| Spiritual and inspirational | Aesthetic and sense of place values  | Low                            |
| Scientific and educational  | Important knowledge systems, importance for research (scientific reference area or site) | Medium                         |
| Scientific and educational  | Major scientific study site  | Low                            |

##### 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  | Medium                         |
| Nutrient cycling  | Carbon storage/sequestration  | High                           |

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

#### 4.5.2 - Social and cultural values

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

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

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

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

<no data available>

## 4.6 - Ecological processes

<no data available>

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

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

#### 5.1.1 - Land tenure/ownership

##### Public ownership

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

##### Private ownership

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

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

(a) within the Ramsar site:  
Private-owned and state-owned (69 %).

(b) in the surrounding area:  
Private-owned.

#### 5.1.2 - Management authority

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

Souht Savo Centre for Economic Development, Transport and the Environment

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

Arto Ustinov, Nature consevation expert

Postal address:

P.O.box 164  
50970 Mikkeli  
Finland

E-mail address:

arto.ustinov@ely-keskus.fi

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

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

#### Water regulation

| Factors adversely affecting site | Actual threat | Potential threat | Within the site                     | Changes  | In the surrounding area             | Changes   |
|----------------------------------|---------------|------------------|-------------------------------------|----------|-------------------------------------|-----------|
| Drainage                         | High impact   | High impact      | <input checked="" type="checkbox"/> | decrease | <input checked="" type="checkbox"/> | No change |

#### Agriculture and aquaculture

| Factors adversely affecting site | Actual threat | Potential threat | Within the site          | Changes   | In the surrounding area             | Changes   |
|----------------------------------|---------------|------------------|--------------------------|-----------|-------------------------------------|-----------|
| Livestock farming and ranching   | Low impact    | Medium impact    | <input type="checkbox"/> | No change | <input checked="" type="checkbox"/> | No change |

#### Transportation and service corridors

| Factors adversely affecting site            | Actual threat | Potential threat | Within the site                     | Changes   | In the surrounding area  | Changes   |
|---|---------------|------------------|-------------------------------------|-----------|--------------------------|-----------|
| Utility and service lines (e.g., pipelines) | Low impact    | Low impact       | <input checked="" type="checkbox"/> | No change | <input type="checkbox"/> | No change |

#### 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 |
| Logging and wood harvesting                | High impact   | High impact      | <input checked="" type="checkbox"/> | No change | <input type="checkbox"/> | No change |

Please describe any other threats (optional):

Drainage ditches have diminished the natural condition of mires in parts of Isosuo and Suurenaukeansuo.

#### 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   | Suurenaukeansuo - Isosuo - Pohjalampi SAC/SPA | http://natura2000.eea.europa.eu/Natura2000/SDF.aspx?site=FI05000 18 | whole                    |

National legal designations

| Designation type                         | Name of area | Online information url | Overlap with Ramsar Site |
|--|--------------|------------------------|--------------------------|
| Mire Conservation Programme              |              |                        | partly                   |
| Private Protected Areas                  |              |                        | partly                   |
| Waterfowl Habitat Conservation Programme |              |                        | partly                   |

5.2.3 - IUCN protected areas categories (2008)

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

5.2.4 - Key conservation measures

Legal protection

| Measures         | Status                |
|------------------|-----------------------|
| Legal protection | Partially implemented |

Other:

The site is included in the Natura 2000 Network, designated both as SPA and SCI. The mires are included in the Mire Conservation Programme and Lake Pohjalampi is included in the Waterfowl Habitats Conservation Programme. Private protected areas cover 547 ha. Conservation of the Natura 2000 site will be carried out under the Nature Conservation Act, Water Act and Land Use and Building Act.

5.2.5 - Management planning

- Is there a site-specific management plan for the site? Yes
- Has a management effectiveness assessment been undertaken for the site? Yes  No
- If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning processes with another Contracting Party? Yes  No

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

Only few visitors. No facilities. A canoe route is located at River Naarajoki.

5.2.6 - Planning for restoration

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

5.2.7 - Monitoring implemented or proposed

| Monitoring      | Status      |
|-----------------|-------------|
| Birds           | Implemented |
| Plant community | Implemented |

The breeding bird fauna was surveyed in the early 1980s and in 1997. Lines for tracking the changes of vegetation after blocking the ditches.

## 6 - Additional material

### 6.1 - Additional reports and documents

#### 6.1.1 - Bibliographical references

Etelä-Savon ympäristökeskus 1997. Suurenaukeansuon linnuston kartoituslaskennat 1997. Manuscript. Etelä-Savon ympäristökeskus.

Etelä-Savon ympäristökeskus 1997. Pohjalammen vesi- ja rantalinnuston pistelaskennat 1997. Manuscript. Etelä-Savon ympäristökeskus.

Etelä-Savon ympäristökeskus 2002: Vertin tilan luonnonsuojelun ennallistamissuunnitelma. Pohjoinen osa-alue.

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#### 6.1.2 - Additional reports and documents

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

<no file available>

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

<no file available>

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

<no file available>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<no file available>

vi. other published literature

<no file available>

<no data available>

#### 6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



An aerial view over the Suurenaukeansuo peatland complex. ( Hannu Vallas, 26-08-2012 )

#### 6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 2004-02-02