



Ramsar Information Sheet

Published on 18 January 2021

Update version, previously published on : 1 January 2005

Finland Koitelainen Mires



| | |
|------------------|-----------------------|
| Designation date | 28 May 1974 |
| Site number | 12 |
| Coordinates | 67°47'35"N 27°10'03"E |
| Area | 48 938,00 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

Koitelainen Ramsar-site is one of the most representative aapa mire (string-flark fen) areas. It is an extensive and mire-rich watershed area between the rivers Luro and Kitinen. There are almost 100 km of small streams and several ponds and small lakes in the area. Alluvial habitats like swamps and flooded forests occur along the streams. Koitelainen itself is a fell area in the middle of the site. The western taiga forests grow on the slopes Koitelainen fell and also in forest islets in aapa mire area. In Central Lapland Koitelainen is the most important area for the conservation of rare or threatened birds and mammals because of the untouched wilderness and the extremely watery bogs. Along the stream of Louejoki there are cottages and barns that were used in haymaking on wet meadows.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Responsible compiler

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

National Ramsar Administrative Authority

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

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

| | |
|-----------|------|
| From year | 2005 |
| To year | 2017 |

2.1.3 - Name of the Ramsar Site

| | |
|---|--|
| Official name (in English, French or Spanish) | Koitelainen Mires |
| Unofficial name (optional) | Koitelainen. Originally designated as "Koitolaiskaira" |

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 KOITELAINEN Natura 2000 boundaries (SiteCode: FI1301716).

2.2.2 - General location

| | |
|--|-----------|
| a) In which large administrative region does the site lie? | Lapland |
| b) What is the nearest town or population centre? | Sodankylä |

2.2.3 - For wetlands on national boundaries only

| | |
|---|---|
| a) Does the wetland extend onto the territory of one or more other countries? | Yes <input type="radio"/> No <input checked="" type="radio"/> |
|---|---|

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 |
|-----------------------------------|--|
| Other scheme (provide name below) | Northern boreal forest vegetation zone |
| EU biogeographic regionalization | Boreal region |

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 aapa mires play an important role in maintenance of water quality and in flood control. |
| 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 rare example of natural wetland types (dominated by peatlands) in the EU Boreal region, including 3 priority natural wetland habitat types (aapa mires, bog woodland, Fennoscandian deciduous swamp woods) listed in Annex I of the EU Habitats Directive. |

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

| | |
|---------------|---|
| Justification | The site is one of the most important areas for the conservation of rich-fen plant species. |
|---------------|---|

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 | | | | | | | | |
| BRYOPHYTA/ BRYOPSIDA | <i>Hamatocaulis vernicosus</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | National Red List - VU | |
| BRYOPHYTA/ BRYOPSIDA | <i>Meesia longiseta</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | National Red List - EN | |
| TRACHEOPHYTA/ MAGNOLIOPSIDA | <i>Ranunculus lapponicus</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | EU Habitats Directive - Annex II, IV | |
| TRACHEOPHYTA/ MAGNOLIOPSIDA | <i>Saxifraga hirculus</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | LC | <input type="checkbox"/> | National Red List - VU | |

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>Gulo gulo</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; EU Habitats Directive - Annex II | |
| 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"/> | Habitats Directive - Annex II, IV | |
| Birds | | | | | | | | | | | | | | | | | |
| CHORDATA/ AVES | <i>Aegolius funereus</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/ AVES | <i>Asio flammeus</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/ AVES | <i>Bubo bubo</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; EU Birds Directive - Annex I | |
| CHORDATA/ AVES | <i>Circus cyaneus</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; EU Birds Directive - Annex I | |
| CHORDATA/ 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/ 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/ 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/ 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/ AVES | <i>Mergellus albellus</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/ AVES | <i>Phalaropus lobatus</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; EU Birds Directive - Annex I | |
| CHORDATA/ AVES | <i>Philomachus pugnax</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 - CR | |
| CHORDATA/ AVES | <i>Picoides tridactylus</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/ AVES | <i>Pluvialis apricaria</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/ AVES | <i>Sterna paradisaea</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/ AVES | <i>Tetrao urogallus</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/ AVES | <i>Tringa glareola</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 | |

1) Percentage of the total biogeographic population at the site

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 |
|--|--|-------------|------------------------------|
| Fennoscandian natural rivers | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Water courses of plain to montane levels with Ranuncion fluitantis and Callitricho-Batrachion vegetation | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Hard oligo-mesotrophic waters with benthic vegetation of Chara spp. | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Aapa mires | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Alkaline fens | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Transition mires and quaking bogs | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Active raised bogs | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Bog woodland | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Fennoscandian deciduous swamp woods | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Fennoscandian springs and springfens | <input checked="" type="checkbox"/> | | Habitats Directive - Annex I |
| Petrifying springs with tufa formation (Cratoneurion) | <input checked="" type="checkbox"/> | | 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 Main aapa mires of middle and northern types. The area includes >20 000 ha of mires and >1 000 ha of water. Koitelainen is an extensive and mire-rich watershed area between the rivers Luiro and Kitinen. Extremely wet flark fens and minerotrophic birch-rich aapa mires are typical of the area. Rivulets and brooks comprise nearly 100 km. Herb- and grass-rich Spruce (*Picea abies*) mires and growths of willows (*Salix* spp.) occur along the brooks. All forest types of the Northern Finland are represented on the slopes of Koitelainen Fjeld. The forests are dominated by Spruce and they are mostly >200 years old and in natural state.

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 | 102 | Representative |
| Fresh water > Lakes and pools >> O: Permanent freshwater lakes | | 3 | 313 | Representative |
| Fresh water > Marshes on peat soils >> U: Permanent Non-forested peatlands | | 1 | 21364 | Representative |
| Fresh water > Marshes on peat soils >> Xp: Permanent Forested peatlands | | 2 | 11052 | Representative |
| Fresh water > Flowing water >> Y: Permanent Freshwater springs; oases | | 4 | 11 | Representative |

Other non-wetland habitat

| Other non-wetland habitats within the site | Area (ha) if known |
|--|--------------------|
| Western taiga | 15900 |
| Nordic subalpine forests with <i>Betula pubescens</i> ssp. <i>czerepanovii</i> | 170 |

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 |
|---|--|
| 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 basin Kemijoki draining into the Baltic Sea

4.4.3 - Soil

Mineral

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

Organic

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

No available information

Are soil types subject to change as a result of changing hydrological conditions (e.g., increased salinity or acidification)? Yes No

Please provide further information on the soil (optional)

Mainly peat and glacial ground moraine with small areas of bedrock terrain.

4.4.4 - Water regime

Water permanence

| Presence? | Changes at RIS update |
|---|-----------------------|
| Usually permanent water present | |
| Usually seasonal, ephemeral or intermittent 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 checked="" type="checkbox"/> | No change |
| Water inputs from precipitation | <input type="checkbox"/> | No change |

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

Aapa mires dependent on ground or surface waters.
Depth of water: Shallow. Water-level high in spring because of melting snow.

4.4.5 - Sediment regime

Sediment regime unknown

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

Mesotrophic

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

Dystrophic

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

Unknown

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

Mesotrophic in rivers. Mire waters and ponds dystrophic.

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

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

- Surrounding area has greater urbanisation or development
- Surrounding area has higher human population density
- Surrounding area has more intensive agricultural use
- Surrounding area has significantly different land cover or habitat types

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

The surrounding areas are heavily affected by commercial forest management.

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

| Ecosystem service | Examples | Importance/Extent/Significance |
|---------------------------|------------------|--------------------------------|
| Wetland non-food products | Livestock fodder | Medium |

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 | Medium |

Cultural Services

| Ecosystem service | Examples | Importance/Extent/Significance |
|----------------------------|--|--------------------------------|
| Recreation and tourism | Recreational hunting and fishing | Low |
| Scientific and educational | Important knowledge systems, importance for research (scientific reference area or 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 | Medium |

Other ecosystem service(s) not included above:

Significant values include reindeer husbandry and scientific research.

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
- 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 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"/> |

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

The site is on public, state-owned land (100%).

5.1.2 - Management authority

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

Metsähallitus Parks and Wildlife Finland

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

Ms. Elisa Pääkkö, Specialist

Postal address:

Jäämerentie 6
99600 Sodankylä
Finland

E-mail address: elisa.paakko@metsa.fi

5.2 - Ecological character threats and responses (Management)

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

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 | Low impact | <input checked="" type="checkbox"/> | No change | <input checked="" type="checkbox"/> | No change |

Energy production and mining

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

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

Please describe any other threats (optional):

Reindeer husbandry is an important livelihood in the area.

Kevitsa Mine is located next to Koitelainen Protected Area.

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 | Koitelainen SAC/SPA | http://natura2000.eea.europa.eu/Natura2000/SDF.aspx?site=FI13017_16 | whole |

National legal designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|-----------------------------------|-----------------------|------------------------|--------------------------|
| Old Growth Forests Protected Area | Koitelaisen laajennus | | whole |
| Protected area | Koitelainen | | whole |

Non-statutory designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|---------------------|--------------------------|---|--------------------------|
| Important Bird Area | Pomokaira-Koitelaiskaira | http://datazone.birdlife.org/site/factsheet/pomokaira-koitelaiskaira-iba-finland | 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 |

Other:

The site is included in the Natura 2000 Network, designated both as SPA and SCI. Three smaller areas are also included in the Programme for the Protection of Old-Growth Forests.

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 snowmobile trail crosses the eastern part of the area.

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 |
|------------|-------------|
| Birds | Implemented |

The breeding bird fauna was studied in the 1960s and 1976–77 and the volume of bird populations was estimated in 1994 by using line transect censuses. The vegetation was studied in 1994. The area is a classic research site of aapa mire vegetation. The geology was studied in the 1990s.

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Hyvärinen, E., Juslén, A., Kempainen, E., Uddström, A. & Liukko, U.-M. (eds.) 2019. The 2019 Red List of Finnish Species. Ympäristöministeriö & Suomen ympäristökeskus. Helsinki. 704 p.

Jokimäki, J & Hamari S. 2007. Kevitsan kaivoshankkeen Natura-arviointi. Lapin vesitutkimus Oy. <http://www.ymparisto.fi/download/noname/%7B1FF23D1E-FBF6-421B-8F76-081496254DD1%7D/42650>

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Leivo, M. 2000. Suomen kansainvälisesti tärkeät lintualueet. Linnut-vuosikirja 1999. (English summary: Important Bird Areas in Finland).

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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:



The vast open aapa mire landscape. (Arto Saikkonen, 17-08-2005)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation