



# Ramsar Information Sheet

Published on 29 May 2017

Update version, previously published on : 1 January 2002

## Sweden Storkölen



Designation date	14 November 2001
Site number	1129
Coordinates	61°46'58"N 12°14'12"E
Area	6 992,00 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 Storkölen wetland complex consists of huge mires in mix with numerous small lakes and streams surrounded by old-growth forests. There are botanically valuable alkaline fen areas, rich in species. Locally, an extremely rich fen is found, holding a species-rich flora of a composition unusual for this part of the county. The site with its many small tarns and open waters is of importance for breeding water birds and the water bird fauna is rich in uncommon species. The birdlife is very rich both in terms of number of species and individuals. The site is important for breeding wetland birds such as bean goose *Anser fabilis*, crane *Grus grus*, ruff *Philomachus pugnax*, golden plover *Pluvialis apricaria* and yellow wagtail *Motacilla flava*. There is an adjacent Ramsar site in Norway.

## 2 - Data & location

### 2.1 - Formal data

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

##### Compiler 1

Name	Lennart Bratt
Institution/agency	Länsstyrelsen Dalarna
Postal address	Länsstyrelsen Dalarna, 791 84 Falun, Sweden
E-mail	dalarna@lansstyrelsen.se
Phone	+46 102250000
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##### Compiler 2

Name	Jenny Lonnstad
Institution/agency	Swedish EPA (Naturvårdsverket)
Postal address	Naturvårdsverket, 106 48 Stockholm, Sweden
E-mail	jenny.lonnstad@naturvardsverket.se
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Fax	+46 10 698 16 00

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

From year	2002
To year	2016

#### 2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Storkölen
Unofficial name (optional)	Storkölen (peatland)

#### 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 checked="" type="checkbox"/>
(Update) B. Changes to Site area	the area has decreased
(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 checked="" 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?	Yes (actual)
(Update) Are the changes	Positive <input checked="" type="radio"/> Negative <input type="radio"/> Positive & Negative <input type="radio"/>
(Update) No information available	<input type="checkbox"/>
(Update) Changes resulting from causes operating within the existing boundaries?	<input type="checkbox"/>
(Update) Changes resulting from causes operating beyond the site's boundaries?	<input type="checkbox"/>

(Update) Changes consequent upon site boundary reduction alone (e.g., the exclusion of some wetland types formerly included within the site)?

(Update) Changes consequent upon site boundary increase alone (e.g., the inclusion of different wetland types in the site)?

(Update) Please describe any changes to the ecological character of the Ramsar Site, including in the application of the Criteria, since the previous RIS for the site.

In the north the boundary has been adjusted to the boundary of the nature reserve. In general this has resulted in the areas of forest, mires and lakes have been either included or excluded, but the areas excluded have in general a higher degree of impact from forestry and is of less value for nature conservation. Only one lake and its closest surrounding is unprotected now.

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

## 2.2 - Site location

### 2.2.1 - Defining the Site boundaries

#### b) Digital map/image

<1 file(s) uploaded>

Former maps

#### Boundaries description

The northern part of the border mostly follows the border for the nature reserve. The western border follows the national border. The Ramsar Site corresponds to the extent of the Natura 2000 site.

### 2.2.2 - General location

a) In which large administrative region does the site lie?

b) What is the nearest town or population centre?

### 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
Udvardy's Biogeographical Provinces	03 West Eurasian Taiga
Bailey's Ecoregions	240 Marine division
WWF Terrestrial Ecoregions	Scandinavian-Russian taiga
Other scheme (provide name below)	Scandinavian-Russian taiga
Freshwater Ecoregions of the World (FEOW)	Northern Baltic drainages
EU biogeographic regionalization	Alpine

#### Other biogeographic regionalisation scheme

Digital Map of the European Ecological Regions (DMEER) EEA 2002: Scandinavian-Russian Taiga

### 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 huge wetland area is of great importance during snow melting or during heavy rain to level out the flow in river Dalälven.
Other ecosystem services provided	Some years the site produces large amounts of cloudberries ( <i>Rubus chamaemorus</i> ), resulting in many visitors, both local and tourists picking berries.
Other reasons	The site is a representative example of a natural wetland types in the EU Alpine region. The site contains different mire types and wet forests representative for the region.









- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification	The site support species that are rare or characteristic for wetlands in the EU Alpin region. There are botanically valuable alkaline fen areas, rich in species. Locally, an extremely rich fen is found, holding a species-rich flora of a composition unusual for this part of the county and probably the most species rich in the county of Dalarna. The site with its many small tarns and open waters is of importance for breeding water birds and the water bird fauna is rich in uncommon species.
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- Criterion 4 : Support during critical life cycle stage or in adverse conditions

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

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<i>Bovista paludosa</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT).	See the textbox below the table and information in section 3.1.
<i>Carex heleonastes</i> 	Hudson Bay sedge	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (EN).	See the textbox below the table and information in section 3.1.
<i>Cyphelium tigillare</i> 	Yellow soot lichen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT).	See the textbox below the table and information in section 3.1.
<i>Epipogium aphyllum</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT).	See the textbox below the table and information in section 3.1.
<i>Fomitopsis rosea</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT).	See the textbox below the table and information in section 3.1.
<i>Hypogymnia bitteri</i> 	Bitter tube lichen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT).	See the textbox below the table and information in section 3.1.
<i>Letharia vulpina</i> 	Wolf lichen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT).	See the textbox below the table and information in section 3.1.
<i>Trichaptum laricinum</i> 		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT).	See the textbox below the table and information in section 3.1.

Criteria 2 and 3: Observation of the species can be found in the Swedish database for observations <http://www.artportalen.se/>.

Criterion 2: For all species, the Swedish Red List status and general information for that classification, distribution etc can be found at <http://artfakta.artdatabanken.se/>.

Criterion 3: The old-growth forest at the site supports the bryophyte *Tayloria tenuis* (NT).

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

Phylum	Scientific name	Common name	Species qualifies under criterion			Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence <sup>1)</sup>	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7								
<b>Birds</b>																	
CHORDATA / AVES	<i>Anser fabalis</i>	Bean Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (NT).	Breeding and foraging. See textbox below the table and information in section 3.1.
CHORDATA / AVES	<i>Aquila chrysaetos</i>	Golden Eagle	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (NT). EU Birds Directive Annex I.	Foraging. See textbox below the table and information in section 3.1.
CHORDATA / AVES	<i>Grus grus</i>	Common Crane	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EU Birds Directive Annex I.	Breeding and foraging. See textbox below the table and information in section 3.1.
CHORDATA / AVES	<i>Motacilla flava</i>	Western Yellow Wagtail	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		Breeding and foraging. See textbox below the table and information in section 3.1.
CHORDATA / AVES	<i>Philomachus pugnax</i>	Ruff	<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"/>	<input type="checkbox"/>	Swedish Red List 2015 (VU). EU Birds Directive Annex I.	Breeding and foraging. See textbox below the table and information in section 3.1.
CHORDATA / AVES	<i>Pluvialis apricaria</i>	European Golden Plover; European Golden-Plover	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EU Birds Directive Annex I.	Breeding and foraging. See textbox below the table and information in section 3.1.

1) Percentage of the total biogeographic population at the site

Criteria 2 and 3: Observation of the species can be found in the Swedish database for observations <http://www.artportalen.se/>.

Criterion 2: For all species, the Swedish Red List status and general information for that classification, distribution etc can be found at <http://artfakta.artdatabanken.se/>.

### 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
7230. Alkaline fens	<input checked="" type="checkbox"/>	Wetlands occupied by peat- or tufa-producing small sedge and brown moss communities developed on soils permanently waterlogged, with baserich, often calcareous water supply.	EU Habitats Directive Annex II. The conservation status for the habitat in the Swedish part of the EU Alpine region is favourable, but in the EU Boreal region close to the site the status is unfavourable.
7310. Aapa mire	<input type="checkbox"/>	Mire complexes characterised by centres of minerotrophic fen vegetation. Included mire units: mixed mires, string-fens, flark-fens, unraised Sphagnum fuscum-bogs, unpatterned topogenous or soligenous lawn-, carpet or mud-bottom fens.	EU Habitats Directive Annex II. The conservation status for the habitat in the Swedish part of the EU Alpine region is favourable, but in the EU Boreal region close to the site the status is unfavourable.

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

### 4.1 - Ecological character

The Storkölen site displays a wide variety of wetland types; topogenous and soligenous fens, string fens, string mixed mires and different kinds of peat bogs. Rich, calcareous, fens occur in the part called Storgjotkölen. On the border between soft ground and solid ground there are wetland pine *Pinus sylvestris* forests. The mires are in some parts surrounded by spruce *Picea abies* forests, rich in herbs. The varied nature displays both species-richness and species-poorness, depending on the mineral content in the soils. In some parts, cloudberry *Rubus chamaemorus*, dominates. The site contains large areas of continuous old-growth forest.

### 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		0	43	Representative
Fresh water > Lakes and pools >> O: Permanent freshwater lakes	Sjöar och tjärmar	3	133	Representative
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools	Småtjärmar < 1 ha	2	126	Representative
Fresh water > Marshes on peat soils >> U: Permanent Non-forested peatlands		1	3555	Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		0		Representative
Fresh water > Marshes on peat soils >> Xp: Permanent Forested peatlands		4	46	Representative
Fresh water > Flowing water >> Y: Permanent Freshwater springs; oases		0		Representative

#### Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Coniferous forest	

### 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.

The northern part of the site drains through a number of small water courses. The central part drains north through the river Stor-Härjanån. The southern part drains eastward through the River Brunnan and then north through the river Borgan. Not far from the site all the water courses have joined the river Sörälven. Sörälven later on joins the river Österdalälven and finally enters the river Dalälven. Dalälven has its outlet in the Botnian Bay (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

#### 4.4.4 - Water regime

##### Water permanence

Presence?	Changes at RIS update
Usually permanent water present	No change

##### Source of water that maintains character of the site

Presence?	Predominant water source	Changes at RIS update
Water inputs from rainfall	<input type="checkbox"/>	No change

##### Water destination

Presence?	Changes at RIS update
Feeds groundwater	No change
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.

Water levels can be higher during snow melting.

#### 4.4.5 - Sediment regime

Sediment regime unknown

Please provide further information on sediment (optional):

There isn't much transportation of sediments at the site.

#### 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

#### 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

Oligotrophic

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

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 i) broadly similar  ii) significantly different  site itself.

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Wetland non-food products	Reeds and fibre	Low

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Storage and delivery of water as part of water supply systems for agriculture and industry	Low
Hazard reduction	Flood control, flood storage	Medium

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Recreational hunting and fishing	High

Other ecosystem service(s) not included above:

Picking cloudberries can some years be of great value, both economically and as an outdoor activity for visitors.

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"/>

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

State-owned (through Swedish EPA).

#### 5.1.2 - Management authority

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

Länsstyrelsen i Dalarnas län (County Administrative Board of Dalarna)

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

Ansvarig för Ramsarområden (naturvård)

Postal address:

Länsstyrelsen Dalarna, 791 84 Falun

E-mail address:

dalarna@lansstyrelsen.se

## 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			<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
Logging and wood harvesting			<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	Drevfjällen SPA and SAC	<a href="http://www.lansstyrelsen.se/Dalarna/SiteCollectionDocuments/Svdjur-och-natur/skyddad-natur/Natura-2000/Bevarandeplaner/Alvdalen/Drevfjällen-SE620009-Bevarandeplanen%20ingår%20i%20skötselplanen.pdf">http://www.lansstyrelsen.se/Dalarna/SiteCollectionDocuments/Svdjur-och-natur/skyddad-natur/Natura-2000/Bevarandeplaner/Alvdalen/Drevfjällen-SE620009-Bevarandeplanen%20ingår%20i%20skötselplanen.pdf</a>	

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Area of national interest for nature conservation	Drevfjällen	<a href="http://nypub.vic-metria.nu/handlingar/rest/dokument/203577">http://nypub.vic-metria.nu/handlingar/rest/dokument/203577</a>	partly
Area of national interest for open air activities	Fjällvärlden från Transtrand till Trekröset		whole
Nature reserve	Drevfjällen	<a href="http://www.lansstyrelsen.se/Dalarna/Svdjur-och-natur/skyddad-natur/naturreserven/alvdalen/drevfjallen/Pages/default.aspx">http://www.lansstyrelsen.se/Dalarna/Svdjur-och-natur/skyddad-natur/naturreserven/alvdalen/drevfjallen/Pages/default.aspx</a>	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	Proposed

Other:

The nature reserve will have a new decision about restrictions and management plan.

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:

There are a number of trails for hiking. There are shelters and huts along the trails. There is information signs about the site at a number of entrances to the site and some parking lots arranged. See "bilaga 6" in the management plan for the arrangements. See textbox above on how to find the management plan.

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No need identified

5.2.7 - Monitoring implemented or proposed

<no data available>

## 6 - Additional material

### 6.1 - Additional reports and documents

#### 6.1.1 - Bibliographical references

Sjörs, H. et. al. 1973. Skyddsvärda myrar i Kopparbergs län. Växtekologiska studier. Svenska Växtgeografiska Sällskapet. Uppsala.  
Skyddsvärda fågelmyrar i Kopparbergs län. 1982. Länsstyrelsen i Kopparbergs län. N1982: 4.  
Löfroth, M och Lonnstad, J. 1994: Myrskyddsplan för Sverige. Naturvårdsverket.  
Grund, Lars-Olof. 2014: Myrfågelinventering i Älvdalens kommun under perioden 1977 till 2012. Länsstyrelsen Dalarna, rapport 2014:3

#### 6.1.2 - Additional reports and documents

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

<no file available>

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

<no file available>

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

<no file available>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<no file available>

vi. other published literature

<1 file(s) uploaded>

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

Please provide at least one photograph of the site:



Rich fen at Storgötökölen. ( *Lennart Bratt, 11-08-2011* )

#### 6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation