



Ramsar Information Sheet

Update version, previously published on 1 January 2009

Sweden

Klingavälsån-Krankesjön



Designation date	5 December 1974
Site number	15
Coordinates	55°39'06"N 13°33'31"E
Area	3 989,00 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 Klingavälsån-Krankesjön site is comprised of an extensive area around the river Klingavälsån and the freshwater lakes Krankesjön and Sövdesjön and part of lake Vombsjön. Habitats include shallow eutrophic lakes, meandering streams, marshes, meadows, Alnus stands and Salix thickets. The lake Krankesjön is one of few large lakes in Sweden that has large areas of Chara vegetation. In connection to lake Sövdesjön there are also small stands of beech-oak forests and pine plantations. It is an important area for migrating waterfowl, mainly ducks and geese, wintering raptors and breeding birds, especially waders and wetland passerines.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Compiler 1

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

From year	2009
To year	2015

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)	Klingavälsån-Krankesjön
Unofficial name (optional)	Klingavälsån- Krankesjön (river and lake)

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 increased
(Update) The Site area has been calculated more accurately	<input checked="" type="checkbox"/>
(Update) The Site has been delineated more accurately	<input checked="" type="checkbox"/>
(Update) The Site area has increased because of a boundary extension	<input checked="" type="checkbox"/>
(Update) The Site area has decreased because of a boundary restriction	<input 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 checked="" 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?

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

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

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

The boundary has been adapted to the borders of protected areas.

In general it has resulted in that some arable land and built up areas have been excluded and meadows and forest included. It's uncertain if the change also affects wetland habitats.

(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

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	11. Middle European Forest
Other scheme (provide name below)	Baltic mixed forest
Other scheme (provide name below)	Baltic mixed forest PA0405
EU biogeographic regionalization	Continental
Freshwater Ecoregions of the World (FEOW)	Ecoregion 406 Northern Baltic drainages

Other biogeographic regionalisation scheme

DMEER 2003 (EEA) Digital Map of European Ecological Regions - Baltic mixed forest
TEOW - Baltic mixed forest PA0405

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 river Klingavälsån has mainly a natural course with no built-up shore stabilization. In connection with the newly re-created meandering part of the river, a small pond for sediment trapping was constructed. The site is also of importance for water purification.

Other reasons

The wetlands along the river and lakes are well preserved compared with wetlands along other water courses in the EU Continental part of Sweden. In this part of Sweden such large areas of grazed and mown wet meadows are unusual, and the ones are good examples of the biogeographical region. There are also a number of other representative wetland habitats; such as Aluvial alnus forests, deciduous swamp forests, rich fens and the water course. The lake with its Chara vegetation is rare in this part of the biogeographical region and in Sweden as a whole.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

The site supports animal species important for maintaining the biological diversity of the EU continental region linked to a wide range of different habitats, e.g. remnants of alluvial forests and extensive wet grassland areas regularly flooded as well as river and lake ecosystems. The site is of interest for birds, plants, amphibians and fish. The river Klingavälsån and the landscape along the river are very important to breeding waterfowl and to wintering and migrating birds, especially geese and birds of prey.

- 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>Dactylorhiza incarnata</i>	Early Marsh-Orchid	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Protected species according to the (SFS 2007:845).	See textbox below the table and in section 3.1.
<i>Dactylorhiza majalis majalis</i>	Broad-leaved Marsh-Orchid	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT). Protected species according to the (SFS 2007:845).	See textbox below the table and in section 3.1.
<i>Primula farinosa</i>	Bird's-eye primrose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT).	See textbox below the table and in section 3.1.

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

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

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 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
Birds																		
CHORDATA/AVES	 <i>Alcedo atthis</i>	Common Kingfisher	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (VU), EU Birds Directive Annex I.	See textbox below the table and 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (NT). EC Birds Directive Annex I.	Foraging, winter habitat. See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Botaurus stellaris</i>	Eurasian Bittern	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (NT), EC Birds Directive Annex I.	See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Branta leucopsis</i>	Barnacle Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1000			LC 	<input type="checkbox"/>	<input type="checkbox"/>	EU Birds Directive Annex I.	Staging during migration. See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Chlidonias niger</i>	Black Tern	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (VU), EC Birds Directive Annex I.	Breeding. See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Ciconia ciconia</i>	White Stork	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (CR), EC Birds Directive Annex I. There is an on-going re-introduction programme for the species.	See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Circus aeruginosus</i>	Western Marsh Harrier	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15			LC 	<input type="checkbox"/>	<input type="checkbox"/>	EU Birds Directive Annex I.	Breeding. See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Circus cyaneus</i>	Northern Harrier	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (NT). EC Birds Directive Annex I.	Foraging and staging during migration. See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Crex crex</i>	Corn Crake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1			LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (NT), EU Birds Directive Annex I.	See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Cygnus cygnus</i>	Whooper Swan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EC Birds Directive Annex I.	The site is used for foraging etc during winter season. See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Dryocopus martius</i>	Black Woodpecker	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (NT).	See textbox below the table and 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EC Birds Directive Annex I.	Staging during migration. See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Haliaeetus albicilla</i>	White-tailed Eagle	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Swedish Red List 2015 (NT). EC Birds Directive Annex I.	Foraging, winter habitat. See textbox below the table and 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (VU), EU Birds Directive Annex I.	Staging during migration, mating site. See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Podiceps auritus</i>	Horned Grebe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				VU 	<input type="checkbox"/>	<input type="checkbox"/>	EU Birds Directive Annex I.	See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Podiceps nigricollis</i>	Black-necked Grebe; Eared Grebe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (EN), EU Birds Directive Annex I.	See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Porzana porzana</i>	Spotted Crake	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (VU), EU Birds Directive Annex I.	See textbox below the table and in section 3.1.
CHORDATA/AVES	 <i>Sterna hirundo</i>	Common Tern	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EC Birds Directive Annex I.	Breeding. See textbox below the table and in section 3.1.
Fish, Mollusc and Crustacea																		
CHORDATA/ACTINOPTERYGII	 <i>Anguilla anguilla</i>	European eel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				CR 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (CR).	See textbox below the table and in section 3.1.
CHORDATA/ACTINOPTERYGII	 <i>Cottus gobio</i>	European bullhead	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EU Habitats Directive Annex II.	See textbox below the table and in section 3.1.

Phylum	Scientific name	Common 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								
MOLLUSCA/ GASTROPODA	 <i>Vertigo angustior</i>	Marsh snail	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				NT 	<input type="checkbox"/>	<input type="checkbox"/>	EC Habitats Directive Annex II.	See textbox below the table and in section 3.1.	
Others																		
ARTHROPODA/ INSECTA	 <i>Leucorhina pectoralis</i>	Yellow-spotted Whiteface	<input type="checkbox"/>	<input 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 Habitats Directive Annex II.	See textbox below the table and in section 3.1.	
CHORDATA/ AMPHIBIA	 <i>Pelobates fuscus</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (VU).	Reproduction. See textbox below the table and in section 3.1.	
CHORDATA/ AMPHIBIA	 <i>Triturus cristatus</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EC Habitats Directive Annex II.	Reproduction. See textbox below the table and in section 3.1.	

1) Percentage of the total biogeographic population at the site

Criterion 2: For all species, the Swedish red-list status and general information for that classification etc can be found at <http://artfakta.artdatabanken.se/>.
 Criteria 2, 3 and 4: Observation of the species can be found in the Swedish database for observations <http://www.artportalen.se/>.
 Criterion 4: The river Klingavälsån and the landscape along the river are very important to breeding waterfowl and to wintering and migrating birds, especially geese and birds of prey.

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
3260 Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation	<input checked="" type="checkbox"/>	Water courses of plain to montane levels, with submerged or floating vegetation of the Ranunculion fluitantis and Callitriche-Batrachion (low water level during summer) or aquatic mosses.	EC Habitats Directive Annex I. Unfavourable conservation status in the Swedish part of the EC Continental region (report 2013).
91E0. Alluvial forest with Alnus glutinosa and Fraxinus Excelsior	<input checked="" type="checkbox"/>	Riparian forest of Fraxinus excelsior and Alnus glutinosa. Occur on heavy soils (often rich in alluvial deposits) periodically inundated by the annual rise of the water level, but otherwise well-drained and aerated during low-water.	EC Habitats Directive Annex I. Unfavourable conservation status in the Swedish part of the EC Continental region (report 2013).
6410. Molinia meadows on calcareous, peaty or clayey-siltladen soils (Molinion caeruleae)	<input checked="" type="checkbox"/>	Molinia meadows of plain to montane levels, on more or less wet nutrient poor soils (nitrogen, phosphorus). They stem from extensive management, sometimes with a mowing late in the year.	EC Habitats Directive Annex I. Unfavourable conservation status in the Swedish part of the EC Continental region (report 2013).
7230. Alkaline fens	<input checked="" type="checkbox"/>	Wetlands mostly or largely occupied by peat- or tufa-producing small sedge and brown moss communities developed on soils permanently waterlogged, with a soiligenous or topogenous baserich, often calcareous water supply.	EC Habitats Directive Annex I. Unfavourable conservation status in the Swedish part of the EC Continental region (report 2013).
9080. Fennoscandian deciduous swamp Woods	<input checked="" type="checkbox"/>	Deciduous swamps are under permanent influence of surface water and usually flooded annually. They are moist or wet and sometimes with a thin peat layer. Mosaic of patches with different water level and vegetation is typical for the type.	EC Habitats Directive Annex I. Unfavourable conservation status in the Swedish part of the EC Continental region (report 2013).
3140. Hard oligo-mesotrophic Waters with benthic vegetation of Chara spp	<input checked="" type="checkbox"/>	Unpolluted lakes and pools with waters fairly rich in dissolved bases or with mostly blue to greenish, very clear, waters poor in nutrients, base-rich. The bottoms are covered with charophyte, Chara and Nitella, algal carpets.	EC Habitats Directive Annex I. Unfavourable conservation status in the Swedish part of the EC Continental region (report 2013).

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

4.1 - Ecological character

Lake Krankesjön is a shallow, oligo-mesotrophic lake with benthic vegetation and vast reed belts along the shores. Along the shoreline there are also alluvial forests mainly composed of alder-, birch- and willow-stands. The main habitats along the river Klingavälsån are wetland meadows dominated by slender tufted-sedge (*Carex acuta*), marsh foxtail (*Alopecurus geniculatus*) and tufted hair-grass (*Deschampsia cespitosa*). In some parts, where peat-digging took place in former days, there are also small spots of calcareous meadows or fens. Even small spots of fluvio-glacial inland sands with species like grey hair grass (*Corynephorus canescens*), red fescue (*Festuca rubra*), sheep's fescue (*Festuca ovina*), pasqueflower (*Pulsatilla vulgaris*) and sheep's-bit (*Jasione montana*) can be found.

The surroundings at Lake Sövdesjön include cultivated fields and semi-natural dry and mesic grasslands used for grazing, as well as beech and oak stands. The large areas of mown wet grasslands dominated by *Carex*-species are of great importance in southern Sweden, because most wetlands of this type have been drained and cultivated during the last 100 years. The alluvial forests are unique and a representative type of forest that was dominating the landscape before the cultivation took place. Fertilizers have never been used in the wet meadows, which mean that the vegetation and flora is natural, but not rich in species.

Lake Krankesjön used to be a very important lake for breeding birds, until a change of ecological conditions brought the amount of birds to a minimum. Today, the numbers of breeding birds have increased and the lake is more important to resting and migrating wetland birds. The river Klingavälsån and the landscape along the river are very important to breeding waterfowl and to wintering and migrating birds, especially geese and birds of prey. The wetlands are also important in the efforts to reintroduce the white stork as a naturally breeding bird in Sweden. In 2015, 80 chicks were born in freedom and 97 were born in the enclosures. The recreation of the river to a meandering course was done in 2001 for a length of 2 500 metres. A second part in the restoration of the wetlands along river Klingavälsån will include the reconstruction to a meandering course over another 1 800 metres and a simultaneously change of cultivated fields into semi-natural grasslands for grazing and hay-making with only natural fertilizers.

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		4	51	Representative
Fresh water > Lakes and pools >> O: Permanent freshwater lakes		2	944	Representative
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools		3	204	Representative
Fresh water > Marshes on inorganic soils >> V: Shrub-dominated wetlands		4	90	Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		4	50	Representative

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
4: Seasonally flooded agricultural land		1	2000	Representative

4.3 - Biological components

4.3.1 - Plant species

<no data available>

4.3.2 - Animal species

<no data available>

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
C: Moist Mid-Latitude climate with mild winters	Cfb: Marine west coast (Mid with no dry season, warm summer)

Unknown

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.

Kävlingeån. The site is situated in the upper parts of the catchment area.

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 seasonal, ephemeral or intermittent water present	
Usually permanent water present	

Source of water that maintains character of the site

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

Water destination

Presence?	Changes at RIS update
To downstream catchment	increase

Stability of water regime

Presence?	Changes at RIS update
Water levels fluctuating (including tidal)	increase

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

The flood irrigation of about 200 hectares of the meadows at Vomb during spring time is controlled through a dam in the river and several dikes and ditches on the meadows. The groundwater level is quite high during spring and autumn flooding periods. The water level at Lake Krankesjön is regulated to a fixed minimum level, but during very dry periods in summer the level can be even lower and the lake more shallow.

(EOD) Connectivity of surface waters and of groundwater

(ECD) Stratification and mixing regime

4.4.5 - Sediment regime

Sediment regime unknown

Please provide further information on sediment (optional):

The river Klingavälsån has mainly a natural course with no built-up shore stabilization. In connection with the newly re-created meandering part of the river, a small pond for sediment trapping was constructed.

(ECD) Water turbidity and colour

(ECD) Light - reaching wetland

(ECD) Water temperature

4.4.6 - Water pH

Alkaline (pH>7.4)

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

Unknown

Please provide further information on pH (optional):

No more information is available.

4.4.7 - Water salinity

Fresh (<0.5 g/l)

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

Unknown

(ECD) Dissolved gases in water

4.4.8 - Dissolved or suspended nutrients in water

Eutrophic

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

Mesotrophic

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

Unknown

(ECD) Dissolved organic carbon

(ECD) Redox potential of water and sediments

(ECD) Water conductivity

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:

The surroundings have larger proportion of forests, arable land and villages/built-up areas.

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
Erosion protection	Soil, sediment and nutrient retention	Medium
Pollution control and detoxification	Water purification/waste treatment or dilution	Medium

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Recreational hunting and fishing	Medium
Recreation and tourism	Picnics, outings, touring	Low
Recreation and tourism	Nature observation and nature-based tourism	Medium
Scientific and educational	Educational activities and opportunities	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

Other ecosystem service(s) not included above:

Large numbers of ornithologists visit the area. Lakes Sövdesjön and Vombsjön are used for recreational fishing and swimming. When ice covered, Lake Krankesjön is used for skating.

Within the site: 100s

Outside the site: 100s

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

(ECD) Primary production	Unknown
(ECD) Nutrient cycling	Unknown
(ECD) Carbon cycling	Unknown
(ECD) Animal reproductive productivity	Unknown
(ECD) Vegetational productivity, pollination, regeneration processes, succession, role of fire, etc.	Unknown
(ECD) Notable species interactions, including grazing, predation, competition, diseases and pathogens	Unknown

RIS for Site no. 15, Klingavälsån-Krankesjön , Sweden

(ECD) Notable aspects concerning animal and plant dispersal	Unknown
(ECD) Notable aspects concerning migration	Unknown
(ECD) Pressures and trends concerning any of the above, and/or concerning ecosystem integrity	Unknown

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
Local authority, municipality, (sub)district, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
National/Federal government	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Private ownership

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

5.1.2 - Management authority

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

Länsstyrelsen Skåne

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

Jörgen Nilsson

Postal address:

Länsstyrelsen Skåne
Kungsgatan 13
205 15 Malmö

E-mail address:

jorgen.nilsson@lansstyrelsen.se

5.2 - Ecological character threats and responses (Management)

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

Human settlements (non agricultural)

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Housing and urban areas	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Tourism and recreation areas	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Drainage	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input type="checkbox"/>	No change
Water abstraction	Medium impact	Medium impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Canalisation and river regulation	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<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
Wood and pulp plantations	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Annual and perennial non-timber crops	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input 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
Renewable energy	Medium impact	Medium impact	<input checked="" 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
Roads and railroads	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Biological resource use

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

Human intrusions and disturbance

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Recreational and tourism activities	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Natural system modifications

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Unspecified/others	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input type="checkbox"/>	No change
Vegetation clearance/land conversion	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input type="checkbox"/>	No change
Dams and water management/use	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Agricultural and forestry effluents	High impact	High impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Please describe any other threats (optional):

Energy production and mining-Renewable energy; Windmills have a negative impact on birds and should be avoided in bird dense areas. Natural system modifications-Unspecified/others; Hydropower development may affect the upstream migration of fishes and a change water regime.

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	See below under National legislation (only place that accepts more than one Natura site)		partly

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
EU Natura 2000 SCI (1)	Revingefältet	http://www.lansstyrelsen.se/skane/SiteCollectionDocuments/Sv/djur-och-natur/skyddad-natur/natura2000/Bevarandeplaner/Lund/Revingefaltet/Revingefaltet_bevarandeplan.pdf	partly
EU Natura 2000 SCI (2)	Vombs Norregård	http://www.lansstyrelsen.se/skane/SiteCollectionDocuments/Sv/djur-och-natur/skyddad-natur/natura2000/Bevarandeplaner/Lund/Vombs%20Norregard/Vombs_Norregard_bevarandeplan.pdf	partly
EU Natura 2000 SCI (3)	Klingavälsån-Karup	http://www.lansstyrelsen.se/skane/SiteCollectionDocuments/Sv/djur-och-natur/skyddad-natur/natura2000/Bevarandeplaner/Lund/Klingavalsan-Karup/Klingavalsan_Karup_bevarandeplan.pdf	partly
EU Natura 2000 SCI (4)	Sövdeborg	http://www.lansstyrelsen.se/skane/SiteCollectionDocuments/Sv/djur-och-natur/skyddad-natur/natura2000/Bevarandeplaner/Sjober/Sovdeborg/Sovdeborg_bevarandeplan.pdf	partly
EU Natura 2000 SPA (1)	Krankesjön	http://www.lansstyrelsen.se/skane/SiteCollectionDocuments/Sv/djur-och-natur/skyddad-natur/natura2000/Bevarandeplaner/Lund/Krankesjon/Krankesjon_bevarandeplan.pdf	partly
EU Natura 2000 SPA (2)	Klingavälsån	http://www.lansstyrelsen.se/skane/SiteCollectionDocuments/Sv/djur-och-natur/skyddad-natur/natura2000/Bevarandeplaner/Lund/Klingavalsan/Klingavalsan_bevarandeplan.pdf	partly
EU Natura 2000 SPA (3)	Sövdesjön	http://www.lansstyrelsen.se/skane/SiteCollectionDocuments/Sv/djur-och-natur/skyddad-natur/natura2000/Bevarandeplaner/Sjober/Sovdesjon/Sovdesjon_bevarandeplan.pdf	partly
Nature reserve (1)	Vombs ängar	http://www.lansstyrelsen.se/skane/Sv/djur-och-natur/skyddad-natur/skydd-skansk-natur/naturreservat/sjober/klingavalsans-dalgang/Pages/_index.aspx	partly
Nature reserve (2)	Klingavälsåns dalgång	http://www.lansstyrelsen.se/skane/Sv/djur-och-natur/skyddad-natur/skydd-skansk-natur/naturreservat/sjober/klingavalsans-dalgang/Pages/_index.aspx	partly
Nature reserve (3)	Navröd	http://www.lansstyrelsen.se/skane/Sv/djur-och-natur/skyddad-natur/skydd-skansk-natur/naturreservat/sjober/navrod/Pages/_index.aspx	partly
Nature reserve (4)	Veberöds ljun	http://www.lansstyrelsen.se/skane/Sv/djur-och-natur/skyddad-natur/skydd-skansk-natur/naturreservat/lund/veberods-ljung/Pages/default.aspx	partly
site of national importance for nature conservation	Klingavälsån	http://nypub.vic-metria.nu/handlingar/rest/dokument/203128	partly

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	River Klingavälsån-Lake Krankesjön	http://datazone.birdlife.org/site/factsheet/river-klingavalsan-lake-krankesjon-iba-sweden	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	Implemented

Species

Measures	Status
Reintroductions	Implemented

5.2.5 - Management planning

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

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

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

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

Special bird observation platforms are to be found on 4 different places. There are also 3 spots with information and 1 hide in the reed-belts at eastern part of lake Krankesjön open to the public and also for school activities. Two spots are arranged for disabled people. Booklets and brochures are in preparation.

Lund University field research station Stensoffa is situated close to the site, in the southwest corner of Lake Krankesjön.

5.2.6 - Planning for restoration

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

Further information

The lake level of Krankesjön was lowered in 1892. The Vomb meadowlands were formerly used as flood irrigation meadows, and had a very diverse fauna and flora. However, since a drainage project in 1938-43, the meadows have become much drier with greatly impoverished biodiversity. The meadows are now threatened by overgrowth as a consequence of reduced grazing.

During the 1980s, the widespread disappearance of submerged plants caused a significant decline in the numbers of waterbirds using Krankesjön. However, the aquatic flora is now recovering gradually.

Mowing and grazing have increased again during the past 10 years. The canalized river Klingavälsån (in the part named Vombs ängar) has been restored to a river with meanders at a distance of about 2500 meters. Cultivated fields by the lower part of the river will in a few years become new wetlands, through the creation of new meanders in the main river that is still not restored.

5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Birds	Implemented

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Blindow Irmgard och Hargeby Anders. Limnologiska undersökningar i Krankesjön 1999. Undervattensvegetation, plankton och kemisk/fysikaliska förhållanden. En resultatsammanställning
European Environment Agency. 2003. Europe's environment: the third assessment, p 231.
Environmental assessment report No 10. Luxembourg: Office for Official Publications of the European Communities.
Länsstyrelsen i Skåne län. Management Plan for Klingavälsåns dalgång Nature Reserve (Proposed)
Länsstyrelsen i Skåne län, 1979 . Management Plan for Navröds Nature Reserve.
Länsstyrelsen i Skåne län. Management Plan for Vombs ängar Nature Reserve (Proposed)
Länsstyrelsen i Skåne län, 2005. Conservation Plan for Revingefältet, SCI SE 0430113, 2005-12-16
Länsstyrelsen i Skåne län, 2005. Conservation Plan for Krankesjön, SPA SE 0430124, 2005-12-16
Länsstyrelsen i Skåne län, 2005. Conservation Plan for Klingavälsån, SPA SE 0430087, 2005-12-16
Länsstyrelsen i Skåne län, 2005. Conservation Plan for Vombs Norregård, SCI SE 0430131, 2005-12-16
Länsstyrelsen i Skåne län, 2005. Conservation Plan for Klingavälsån-Karup, SCI SE 0430110, 2005-12-16
Länsstyrelsen i Skåne län, 2005. Conservation Plan for Sövdesjön, SPA SE 0430172, 2005-12-16

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:



Overview of Klingavälsåns dalgång (Skötselgruppen Länsstyrelsen skåne, 01-11-2012)



Dead Wood in Klingavälsåns dalgång (Skötselgruppen Länsstyrelsen skåne, 01-12-2011)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 1974-12-05