

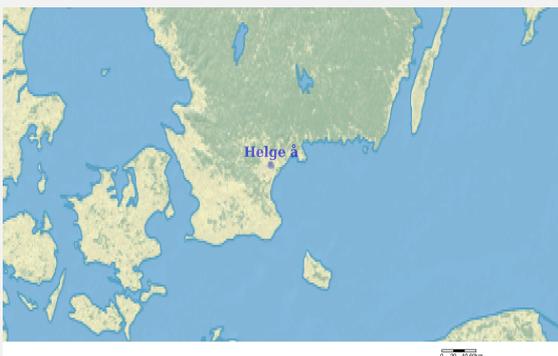


Ramsar Information Sheet

Published on 6 April 2017

Update version, previously published on : 1 January 2002

Sweden Helge å



| | |
|------------------|-----------------------|
| Designation date | 5 December 1974 |
| Site number | 16 |
| Coordinates | 55°58'53"N 14°11'16"E |
| Area | 8 042,00 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 site consists of the lower part of the river Helge å, its outlet into the Baltic sea. The river broadens into larger lakes at two places. A number of smaller rivers have their outlet into the river at the site. The site also includes the wet meadows and forests that surround the river and the lakes. The wet meadows are regularly flooded. Some arable land is also included. The river Helge å, is the greatest watercourse of Scania.

The site is a very important site for birds, especially waders like geese and ducks. The site also has high botanic values.

The watercourse is very rich of fish, 32 different species, for example Gudgeon, Sea trout, Green whiting and Sea lamprey. Even residual Salmon is established here. The redlisted Sheatfish is reintroduced in Helge å.

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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Compiler 2

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

| | |
|-----------|------|
| From year | 2002 |
| To year | 2012 |

2.1.3 - Name of the Ramsar Site

| | |
|---|-----------------|
| Official name (in English, French or Spanish) | Helge å |
| Unofficial name (optional) | Helge å (river) |

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 type="checkbox"/> |
| (Update) The boundary has been restricted | <input type="checkbox"/> |
| (Update) B. Changes to Site area | No change to area |

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 type="radio"/> Negative <input type="radio"/> Positive & Negative <input checked="" type="radio"/> |
| (Update) No information available | <input checked="" type="checkbox"/> |
| (Update) Changes resulting from causes operating within the existing boundaries? | <input checked="" type="checkbox"/> |
| (Update) Changes resulting from causes operating beyond the site's boundaries? | <input checked="" type="checkbox"/> |
| (Update) Changes consequent upon site boundary reduction alone (e.g., the exclusion of some wetland types formerly included within the site)? | <input type="checkbox"/> |
| (Update) Changes consequent upon site boundary increase alone (e.g., the inclusion of different wetland types in the site)? | <input type="checkbox"/> |

(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.

Since the last update 2002 big changes in the lake ecosystems have occurred. Among other things, the former extensive presence of Common Club-rush (*Schoenoplectus lacustris*) has completely disappeared, which have resulted in changing hydrological conditions, exposure to wind, deteriorating nesting opportunities for wetland birds. The Common reed (*Phragmites australis*) has also decreased, even if it is not on the same scale. The wader bird breeding on the wet meadows along the river and the lakes have decreased seriously. It is probably due to several factors, but the very comprehensive grazing from the fast increasing Greylag Goose, (*Anser anser*) population is considered to be one important contributing factor. There is also problem with metals flooding the meadows, metals coming from a drained area, now arable land surrounded by dykes. There is on-going work to find what measures have to be done to improve the situation.

The boundary has been changed in the northern part of the site, some houses with their closest surrounding have been excluded and some parts of the shore have been included. The changes are small and the total area the same.

(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 |
|---|---|
| EU biogeographic regionalization | Continental |
| Bailey's Ecoregions | 240 Marine division |
| Udvardy's Biogeographical Provinces | 11 Middle European Forest |
| WWF Terrestrial Ecoregions | Baltic mixed forest (PA0405) |
| Marine Ecoregions of the World (MEOW) | Baltic seas |
| Freshwater Ecoregions of the World (FEOW) | Ecoregion 406 Northern Baltic drainages |
| Other scheme (provide name below) | 23 Baltic Sea |
| Other scheme (provide name below) | Marine Baltic |
| Other scheme (provide name below) | Baltic mixed forest |

Other biogeographic regionalisation scheme

EEA 2007. Pan-European marine ecosystems: 23 Baltic Sea
 EEA ETC/BD.EU marine regions: Marine Baltic
 EEA 2002. Digital Map of European Ecological Regions (DMEER): Baltic mixed forest

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 site provides sediment and nutrient retention and export, and water purification and maintenance of water quality.

Other ecosystem services provided

The site provides fishing and livestock fodder. The site support grazing for local farmers.

Other reasons

The site supports a number of near-natural wetland types (shallow lakes, river, wet meadows and shrub-dominated wetlands, forested wetlands). Several of them are listed in the EC Habitats Directive and have an unfavourable conservation status in the Swedish part of the EU Continental region. Several of the wetland types present are representative for the EU Continental region, but there is also a rare type for the Swedish part of this region. In the South of Sweden it is rare that agricultural lands are flooded regularly. During floods the otherwise large areas of non-wet agricultural land turns wet and is favourably for birds and other wildlife.

According to the EC Habitats Directive, the lakes are classified as natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation (3150) or O: Permanent freshwater lakes. The river is described as water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation (3260) or M: Permanent rivers/ streams/creeks. The river's shoreline consists mostly of pastures and Agricultural land but there is also some groves of trees. These are described as Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (91E0) or Xf Treedominated wetlands. The shallow marine are typical for marine areas with sandy bottoms in the Baltic sea. The shrub-dominated wetlands are often covered by bushes of *Salix*.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

The site supports particular elements of biological diversity that are characteristic of the EU Continental region. It's especially of importance for breeding waterbirds and staging migratory waterbird species. The site supports rare/endangered mammals, fishes, amphibians and birds.

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

- Criterion 5 : >20,000 waterbirds

Overall waterbird numbers

35 000

Start year

2009

Source of data:

Vattenriket Kristianstad

- Criterion 6 : >1% waterbird population

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>Helosciadium inundatum</i>  | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Swedish Red List 2015 (EN). | See textbox below the table and under 3.1. |
| <i>Hemium monorchis</i>  | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Swedish Red List 2015 (VU). Protected species in national legislation. | See textbox below the table and under 3.1. |
| <i>Liparis loeselii</i>  | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Swedish Red List 2015 (NT). Protected species in national legislation. | See textbox below the table and under 3.1. |
| <i>Najas flexilis</i>  | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Swedish Red List 2015 (EN). | See textbox below the table and under 3.1. |
| <i>Potamogeton rutilus</i>  | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Swedish Red List 2015 (EN). | See textbox below the table and under 3.1. |
| <i>Taraxacum austrinum</i>  | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | Swedish Red List 2015 (EN). | See textbox below the table and under 3.1. |

Criterion 2 and 3: For all species, the Swedish red-list status and general information for that classification etc can be found at <http://artfakta.artdatabanken.se/>. 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>Anas querquedula</i>  | Garganey | <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"/> | 5 | 1996-2000 | | | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (VU). | Breeding. See textbox below the table and in section 3.1. |
| 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 15000 | 1996-2000 | 35 | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (NT). | The North-east Europe/North-west Europe population is altogether maximum 45000. Important resting site for the species. 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 10 | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | EC Birds Directive Annex I. | See textbox below the table and in section 3.1. |
| CHORDATA/AVES | <i>Carpodacus erythrinus</i>  | Common Rosefinch | <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"/> | 11 | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (VU). | See textbox below the table and in section 3.1. |
| CHORDATA/AVES | <i>Chlidonias niger</i>  | Black Tern | <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"/> | 15 | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (VU). EC Birds Directive Annex I. | See textbox below the table and in section 3.1. |
| CHORDATA/AVES | <i>Circus aeruginosus</i>  | Western Marsh Harrier | <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"/> | 25 | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | EC Birds Directive Annex I. | See textbox below the table and in section 3.1. |
| CHORDATA/AVES | <i>Circus pygargus</i>  | Montagu's Harrier | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2 | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (EN). | See textbox below the table and in section 3.1. |
| CHORDATA/AVES | <i>Crex crex</i>  | Corn Crane | <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"/> | 2 | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | EC Birds Directive Annex I. | See textbox below the table and in section 3.1. |
| CHORDATA/AVES | <i>Cygnus columbianus</i>  | Tundra Swan | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 800 | 1996-2000 | 4 | LC  | <input type="checkbox"/> | <input type="checkbox"/> | EC Birds Directive Annex I. | Cygnus bewickii, Western Siberia & NE Europe/North-west Europe has a total of 21 500 individuals according to Wetlands international. See textbox below the table and in 3.1. |
| CHORDATA/AVES | <i>Dendrocopos minor</i>  | Lesser Spotted Woodpecker | <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"/> | 11 | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | | 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 | | | | | | | | |
| CHORDATA/AVES |  <i>Falco peregrinus</i> | Peregrine Falcon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | LC  | <input checked="" 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>Grus grus</i> | Common Crane | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7000 | 1996-2000 | 3 | LC  | <input type="checkbox"/> | <input type="checkbox"/> | | The North-west Europe/Iberia & Morocco population of <i>Grus grus</i> is 240 000. The data is based on Birdlife Internationals data between the years 1996-2000 and birdcount in Pulken. Important resting site. See textbox below the table and in section 3.1. |
| CHORDATA/AVES |  <i>Haliaeetus albicilla</i> | White-tailed Eagle | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | LC  | <input checked="" type="checkbox"/> | <input checked="" 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>Limosa limosa</i> | Black-tailed Godwit | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 20 | 1996-2000 | | NT  | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (CR). | Breeding. The data is based on Birdlife Internationals data between the years 1996-2000. See textbox below the table and in section 3.1. |
| CHORDATA/AVES |  <i>Locustella fluviatilis</i> | River Warbler | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2 | | | 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>Pandion haliaetus</i> | Osprey, Western Osprey | <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"/> | EC Birds Directive Annex I. | See textbox below the table and in section 3.1. |
| CHORDATA/AVES |  <i>Panurus biarmicus</i> | Bearded Reedling | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 20 | | | 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>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"/> | 10 | 1996-2000 | | | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (VU). EC Birds Directive Annex I. | Important resting site during migration. Breeding some years when the conditions are right. See textbox below the table and in section 3.1. |
| CHORDATA/AVES |  <i>Porzana porzana</i> | Spotted Crane | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2 | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (VU). | See textbox below the table and in section 3.1. |
| CHORDATA/AVES |  <i>Remiz pendulinus</i> | Eurasian Penduline Tit | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 10 | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (EN). | See textbox below the table and in section 3.1. |
| Fish, Mollusc and Crustacea | | | | | | | | | | | | | | | | | |
| CHORDATA/ACTINOPTERYGII |  <i>Salmo salar</i> | | <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"/> | <input type="checkbox"/> | EC Habitat Directive Annex II. | See textbox below the table and in section 3.1. |
| CHORDATA/ACTINOPTERYGII |  <i>Salmo trutta</i> | | <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"/> | | See textbox below the table and in section 3.1. |
| CHORDATA/ACTINOPTERYGII |  <i>Silurus glanis</i> | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | LC  | <input type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (VU). | See textbox below the table and in section 3.1. |
| Others | | | | | | | | | | | | | | | | | |
| CHORDATA/AMPHIBIA |  <i>Epidalea calamita</i> | | <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 (VU). | See textbox below the table and in section 3.1. |
| CHORDATA/MAMMALIA |  <i>Lutra lutra</i> | European Otter | <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 checked="" type="checkbox"/> | <input type="checkbox"/> | Swedish Red List 2015 (NT). EC Habitat Directive Annex II. | See textbox below the table and in section 3.1. |

1) Percentage of the total biogeographic population at the site

Criterion 2, 3, 4, 5 and 6: For all species, the Swedish red-list status and general information for that classification etc can be found at <http://artfakta.artdatabanken.se/>. Observation of the species can be found in the Swedish database for observations <http://www.artportalen.se/>.

Species that have data about numbers collected 1996-2000, have their population size based upon data from Birdlife International.

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 |
|--|--|--|--|
| 3150. Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation | <input checked="" type="checkbox"/> | Lakes/ponds with dirty grey to blue-green, turbid, waters, particularly rich in dissolved bases (pH usually > 7), with free-floating surface communities of the Hydrocharition or, in deep, open waters, with associations of large pondweeds (Magnopotamion). | Included in the EC Habitats Directive Annex II, in unfavourable conservation status in the Swedish part of that region (2013). |
| 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. | Included in the EC Habitats Directive Annex II, in unfavourable conservation status in the Swedish part of that region (2013). |
| 1130. Estuaries (Baltic sub type) | <input checked="" type="checkbox"/> | Estuaries are coastal inlets with a substantial freshwater influence on brackish water. They have no tide and have large wetland vegetation (helophytic) and luxurious aquatic vegetation in shallow water areas. Sand and mud flats can occur. | Included in the EC Habitats Directive Annex II, in unfavourable conservation status in the Swedish part of that region (2013). |
| 91E0. Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> | <input checked="" type="checkbox"/> | Riparian forests of ash and alder on heavy soils (often rich in alluvial deposits) and periodically inundated by rise of the water level. The herbaceous layer invariably includes many large species and vernal geophytes can occur. | Included in the EC Habitats Directive Annex II, in unfavourable conservation status in the Swedish part of that region (2013). |

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

4.1 - Ecological character

The site is comprised of shallow freshwater lakes, the river Helge å including the outlet of its tributaries (Vramsån, Mjöån and Vinneån), reedbeds, scrubs, extensive wet grasslands, wet forests and alluvial forests.

The site contains the Natura 2000 wetland habitats Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation (3150), Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation (3260), Estuaries EU-code: 1130 Fennoscandian lowland species-rich dry to mesic grasslands EU-code: 6270 and Alluvial forests with Alnus glutinosa and Fraxinus excelsior EU-code: 91E0

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

Marine or coastal wetlands

| Wetland types (code and name) | Local name | Ranking of extent (1: greatest - 4: least) | Area (ha) of wetland type | Justification of Criterion 1 |
|------------------------------------|------------|--|---------------------------|------------------------------|
| A: Permanent shallow marine waters | | 0 | 30 | Representative |
| F: Estuarine waters | | 0 | 31 | Representative |

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 >> Mt Permanent rivers/ streams/ creeks | | 4 | 231 | Representative |
| Fresh water > Lakes and pools >> O: Permanent freshwater lakes | | 1 | 2164 | Representative |
| Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools | | 3 | 342 | Representative |
| Fresh water > Marshes on inorganic soils >> W: Shrub-dominated wetlands | | 2 | 348 | Representative |
| Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands | | 0 | 10 | Representative |
| Fresh water > Flowing water >> Y: Permanent Freshwater springs; oases | | 0 | | 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 | | 0 | 70 | Rare |

Other non-wetland habitat

| Other non-wetland habitats within the site | Area (ha) if known |
|--|--------------------|
| Farmland | |

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) |

Not yet as we know about. There is a future risk that water flows in the catchment area changes so much that it might affect the erosion and deposition of material in the area. There may also be flooding's during times of the year when water levels normally aren't high and that can affect the species living in the flooded areas. A raised sea level will affect the lower parts of the river and low-laying areas.

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 catchment area of the river Helge å is around 4 725 km. The sources are situated in the northern parts of Skåne and southern Småland. The Ramsar site is situated in the lower parts of the river system. A number of tributaries to Helge å have their lower parts at the site. The river Helge å enters the Baltic sea in the bay Hanöbukten.

In the north of the catchment area there are a lot of forests and wetlands, further downstream the amount of arable land increases. There are both deciduous and coniferous forests in the catchment area. The soil is dominated moraine from old bedrock and the soil is dominated by podzols.

4.4.3 - Soil

Mineral

(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 surface water | <input type="checkbox"/> | No change |

Water destination

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

Stability of water regime

| Presence? | Changes at RIS update |
|--|-----------------------|
| Water levels fluctuating (including tidal) | No change |

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

Helge å is Scania's largest river with a catchment area of 4725 km². The river flows 35 km through the Municipality of Kristianstad and passes on its way to the coast (Hanöbukten) two shallow lakes Araslövssjön and Hammarsjön. The entire system downstream Torsebros is only a few inches above sea level. The water level varies with the seasons with up to two meters. In winter the water is normally one meter above sea level. In summer, the water level sometimes is so close to sea that the river flows backward. During winter even the agricultural land on the Island "Blackan" is flooded. During floods large areas of otherwise dry land become wet. The lower stretches of the river, of which the site is a part, are not regulated and has an important role in flood control.

4.4.5 - Sediment regime

Significant transportation of sediments occurs on or through the site

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

Sediment regime unknown

Please provide further information on sediment (optional):

A general increase of brownification due to more and more humic compounds in the runoff water from coniferous forests and mires in the catchment area as well as a strong supply of iron from nearby embankments (for agriculture and settlement reasons) have deteriorated the ecological conditions for invertebrates and vegetation in the river and lakes.

4.4.6 - Water pH

Circumneutral (pH: 5.5-7.4)

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

Unknown

Please provide further information on pH (optional):

The pH in the lowlands around Kristianstad is almost always between 6 and 8, which is good. Further upstream in the basin there are parts that are sensitive for acidification.

4.4.7 - Water salinity

Fresh (<0.5 g/l)

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

Unknown

Please provide further information on salinity (optional):

The conductivity is normally low in Helge å because of the salinity- and nutrient poor water upstream. But sometimes there is an inflow of saline water from Hanöbukten (Baltic sea) and then the salinity rises sharply. Around the city Kristianstad the conductivity also rises due to bedrocks rich in minerals and because much is supplied from farmland, industries and storm water.

4.4.8 - Dissolved or suspended nutrients in water

Eutrophic

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

Unknown

(ECD) Water conductivity The conductivity is normally low, but inflow of saline waters from the Baltic may change that temporarily.

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:

See text under threat about changed vegetation, the big destructive flood 2007 and the problems with greylags goose and iron etc.

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

| Ecosystem service | Examples | Importance/Extent/Significance |
|---------------------------|--|--------------------------------|
| Food for humans | Sustenance for humans (e.g., fish, molluscs, grains) | Medium |
| Fresh water | Drinking water for humans and/or livestock | Low |
| Wetland non-food products | Other | Low |
| Wetland non-food products | Livestock fodder | High |

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 | Low |
| Hazard reduction | Flood control, flood storage | 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 | High |
| Spiritual and inspirational | Cultural heritage (historical and archaeological) | Low |
| Scientific and educational | Educational activities and opportunities | Medium |
| Scientific and educational | Major scientific study site | 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:

The remains from a medieval castle (Lillöhus) can be found within the site. "Other wetland non-food products" is manure. The site provides fish and fishing.

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

Where economic studies or assessments of economic valuation have been undertaken at the site, it would be helpful to provide information on where the results of such studies may be located (e.g. website links, citation of published literature):

An investigation on ecosystem services in Kristianstad vattenrike has been done (Ref. see section 6.1.1. Cronert 1991) The aim of this study was to map the ecosystem services, supplied by the flooded meadows in Kristianstads Vattenrike Biosphere Reserve. The Millennium Ecosystem Assessment (MA) also wanted to develop a method for this type of survey. The study, a so called social-ecological inventory, builds on the findings of MA and shows that all groups of ecosystem services are represented in the flooded meadows of Kristianstads Vattenrike. In the group of (1) regulating services, water regulation and detoxification was mentioned as important. In a literature study we also found that climate regulation can be added as a regulating service from the flooded meadows. The (2) provisioning services identified in the study were meat, fodder, fresh water and manure. Fodder and meat are strongly connected to the flooded meadows due to the management by means of grazing and mowing. The group of services most often mentioned, were the (3) cultural. Among these, recreational values such as bird watching, trekking and ice skating have been mentioned, but also the value of the area as a symbol of Kristianstad and as part of the local identity. Other important cultural services include education, inspiration and cultural history. The (4) supporting services are essential for generating the previously mentioned ecosystem services. Primary production and the cycling of water and nutrients were mentioned as supporting services in the flooded meadows.

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) Pressures and trends concerning any of the above, and/or concerning ecosystem integrity

There is a high market for arable land due to this sand land is perfect for growing lettuce. Pastures converted to cropland

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 i Skåne län/ (County Administrative Board of Skåne)
S-205 15 Malmö, Sweden

Biosphere Office and Technical Department
Municipality of Kristianstad
Rådhuset
S-291 32 Kristianstad, Sweden

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

Marie Löfberg

Postal address:

Länsstyrelsen Skåne
Kungsgatan 13
205 15 Malmö
Sweden

E-mail address:

marie.lofberg@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 | Medium impact | Medium impact | <input checked="" type="checkbox"/> | No change | <input checked="" type="checkbox"/> | No change |
| Commercial and industrial areas | Medium impact | Medium 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 |
| Unspecified development | High impact | High 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 checked="" type="checkbox"/> | No change |
| Water abstraction | Medium impact | Medium impact | <input checked="" type="checkbox"/> | No change | <input checked="" type="checkbox"/> | No change |
| Salinisation | Medium impact | Medium impact | <input checked="" 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 |
|---------------------------------------|---------------|------------------|-------------------------------------|-----------|-------------------------------------|-----------|
| Annual and perennial non-timber crops | High impact | High 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 |
|----------------------------------|---------------|------------------|-------------------------------------|-----------|-------------------------------------|-----------|
| 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 | High impact | High impact | <input checked="" type="checkbox"/> | No change | <input checked="" type="checkbox"/> | No change |
| Aircraft flight paths | Medium impact | Medium 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 | Low impact | Low impact | <input checked="" type="checkbox"/> | No change | <input checked="" type="checkbox"/> | No change |
| Gathering terrestrial plants | Low impact | Low 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 | Low impact | Low 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 checked="" type="checkbox"/> | No change |
| Dams and water management/use | Medium impact | Medium impact | <input checked="" type="checkbox"/> | No change | <input checked="" type="checkbox"/> | No change |
| Vegetation clearance/land conversion | High impact | High 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 |
|-------------------------------------|---------------|------------------|-------------------------------------|-----------|-------------------------------------|-----------|
| Unspecified | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| Agricultural and forestry effluents | Medium impact | Medium impact | <input checked="" type="checkbox"/> | No change | <input checked="" type="checkbox"/> | No change |

Please describe any other threats (optional):

The former presence of many clumps of the Common Club-rush (*Schoenoplectus lacustris*) has totally disappeared from the lakes during the last 10 years, probably due to intensive grazing of Greylag goose. As a result the lake is much more exposed to wind, the protection of nesting birds has decreased and the amount submerge vegetation has decreased. In the wet grasslands, meadows, along the river and lakes, the number of nesting waders has declined sharply. The reason is not entirely clear, but probably has overgrazing of greylag geese and cattle contributed, as well as a strong destructive flood in the middle of summer 2007, which killed and destroyed the vegetation in large areas of semi-natural grasslands.

A general increase of brownification due to more and more humic compounds in the runoff water from coniferous forests and mires in the catchment area as well as a strong supply of iron from nearby embankments (for agriculture and settlement reasons) have deteriorated the ecological conditions for invertebrates and vegetation in the river and lakes. Investigations will continue.

5.2.2 - Legal conservation status

Global legal designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|--------------------------|--|---|--------------------------|
| UNESCO Biosphere Reserve | Kristianstads Vattenrike Biosphere Reserve | http://www.vattenriket.kristiansad.se/index.php?page=hem | partly |

Regional (international) legal designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|------------------|--|------------------------|--------------------------|
| EU Natura 2000 | 14 SAC and 4 SPA, see national legislation below | | partly |

National legal designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|-------------------------|--------------|--|--------------------------|
| EU Natura 2000 SAC (1) | Helgeå | http://www.lansstyrelsen.se/skane/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (10) | Håslöv | http://www.lansstyrelsen.se/skane/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|-------------------------|------------------|--|--------------------------|
| EU Natura 2000 SAC (11) | Araslövsjön | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (12) | Lingenäsen | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (13) | Västra Fäladen | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (14) | Hercules | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (2) | Pulken | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (3) | Egeside | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (4) | Prästängen | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (5) | Vramsåns mynning | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/vramsan/Pages/default.aspx | partly |
| EU Natura 2000 SAC (6) | Hammarsjön | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (7) | Gamlegården | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (8) | Åsumallet | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SAC (9) | Björkhäll | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|------------------------|-------------------------|--|--------------------------|
| EU Natura 2000 SPA (1) | Egeside-Pulken-Yngsjö | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SPA (2) | Vramsåns mynningsområde | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SPA (3) | Hammarsjöområdet | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| EU Natura 2000 SPA (4) | Araslövsområdet | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/natura-2000/Pages/index.aspx and go to bevarandeplaner an then to Kristianstad and then search for the site name. | partly |
| Nature reserve (1) | Åby ängar | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/aby-angar/Pages/default.aspx | partly |
| Nature reserve (10) | Håslövs ängar | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/haslovs-angar/Pages/_index.aspx | partly |
| Nature reserve (11) | Årummet | http://www.vattenriket.kristians tad.se/naturreservat/arummet.php | partly |
| Nature reserve (12) | Isternäset | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/isternasat/Pages/_index.asp | partly |
| Nature reserve (13) | Näsby fält | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/nasby-falt/Pages/_index.aspx | partly |
| Nature reserve (14) | Fredriksdalsviken | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/fredriksdalsviken/Pages/_index.aspx | partly |
| Nature reserve (2) | Pulken-Yngsjö | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/pulken-yngsjo/Pages/default.asp | partly |
| Nature reserve (3) | Egeside | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/egeside/Pages/default.aspx | partly |
| Nature reserve (4) | Rinkaby och Horna ängar | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/rinkaby-och-horna-angar/Pages/_index.aspx | partly |

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|--------------------|----------------------------|---|--------------------------|
| Nature reserve (5) | Vramsåns mynning | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/vramsan/Pages/default.aspx | partly |
| Nature reserve (6) | Hercules | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/hercules/Pages/_ index.aspx | partly |
| Nature reserve (7) | Homa sjömark | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/homa-sjomark/Pa ges/default.aspx | partly |
| Nature reserve (8) | Hovby ängar | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/hovby-angar/Pa ges/default.aspx | partly |
| Nature reserve (9) | Åsums ängar och Åsumsället | http://www.lansstyrelsen.se/skan e/Svdjur-och-natur/skyddad-natur/skydd-skansk-natur/naturreserv at/kristianstad/asumangar/Pages/ default.aspx | partly |

Non-statutory designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|---------------------|---------------|---|--------------------------|
| Important Bird Area | River Helgeån | http://datazone.birdlife.org/sit e/factsheet/river-helgean-iba-s weden | 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 |

Habitat

| Measures | Status |
|----------------------------------|-------------|
| Habitat manipulation/enhancement | Implemented |
| Improvement of water quality | Implemented |

Species

| Measures | Status |
|-----------------|-------------|
| Reintroductions | Implemented |

Human Activities

| Measures | Status |
|--|-----------------------|
| Communication, education, and participation and awareness activities | Partially implemented |

Other:

Various measures have been taken to improve the opportunities for nesting and resting birds, fish and plants. Some examples are: to improve conditions for waders, measures have been done to reduce willow bushes and support grazing and hay making. The endangered catfish (*Silurus glanis*), which died out as a result of water pollution in the 1960s, has been re-introduced and the population is now increasing. Also the endangered salmon (*Salmo salar*) has been re-introduced in recent years.

The municipality has initiated and is managing a restoration project of the tributary river Vinneån, one of the major contributor of nitrogen and phosphorus to the river Helgeån and the Ramsar site. The goal within the project is to establish 50 ha of wetlands (some of them situated within the Ramsar site) and so far 32 ha have been completed. The main goal is to reduce nutrients and enhance the biological diversity. Investigation will continue for the problems with iron.

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:

During 2010 a new visitors centre, "naturum Vattenriket" was inaugurated. The municipality is responsible for the activities. There are four outdoor museums, 12 bird towers, one hide, trails as well as boat rides, nature school activities and folders.

URL of site-related webpage (if relevant): www.vattenriket.kristianstad.se

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 |
| Plant species | Implemented |
| Water quality | Implemented |

The University of Lund carries out research of brownification. The County Administrative Board and the Municipality/Biospere office is monitoring breeding wader birds, ducks, Greylag goose, Catfish and endangered plant species as Fen Orchid (*Liparis loeselii*), the Fen Ragwort (*Senecio paludosus*) and Slender Naiad (*Najas flexilis*). The Local Birding association with Nedre Helgeåns Bird Station carries out research, inventories and bird ringing.

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

- Cronert, H. 1991. Project "Kristianstads Vattenrike" – An Economic Approach to Wetland Management. In Wetland Management and Restoration. Proceedings of a Workshop, Sweden, 12-15 sep 1990. ed. CM Finlayson and Torsten Larsson. SNV-rapport 3992.
- Cronert, H. 2000. Naturvård i Kristianstads Vattenrike, handlingsprogram 2001-2003. Kristianstads kommun, Länsstyrelsen i Skåne län.
- Cronert, H. 2001. Araslövssjöns häckfåglar under ett kvarts sekel, Meddelande nr 25 från Helge åns Fågelstation, Anser 4/ 2001 s. 209-216
- Cronert, H. 2010. Strandängsfåglar längs nedre Helgeån i Kristianstads Vattenrike 2009 –med jämförelser bakåt i tiden. Anser 2010:2.
- Cronert, H. & Lindblad, T. Häckande simänder och vadare på strandängarna i Kristianstads Vattenrike. Resultat från en inventering våren 1997. Anser 37: s 89-102.
- Cronert, H. och Lindblad, T. 2004. Strandängsinventering längs nedre Helgeån i Kristianstads Vattenrike våren 2003. Meddelande nr 32 från Nedre Helgeåns Fågelstation, Anser 2/04
- Dahl, J. 2011. Provfiske i Hammarsjön och Araslövssjön 2010. Vattenriket i fokus 2011:02. Biosfärkontoret.
- Dahl, J. 2011. Vinneå – för god ekologisk status. Handlingsprogram för 2011 – 2014.
- Dahl, J. 2012. Provfiske efter mal i Nedre Helgeån 2011. Vattenriket i fokus 2012:05. Biosfärkontoret.
- Johansson, C. 1993. Utbredning av submers vegetation i Hammarsjön i relation till reglerande faktorer. Lunds Universitet.
- Ljungberg, H. 1995. Jordlöpare och kortvingar på öppna våtmarker längs nedre Helgeån. Länsstyrelsen i Kristianstads län.
- Magnusson S-E., Magntorn K., Wallsten E., Cronert H. mfl. 2005. Ansökan till Unesco. Biosfärområde Kristianstads Vattenrike
- Nekoro, M och Svedén, J. 2009. Ekosystemtjänsteanalys i Kristianstad vattenrike. Naturvårdsverket rapport 5947. Sthlm. <http://www.naturvardsverket.se/Om-Naturvardsverket/Publikation>
- Olofsson, P. 2004-2012. Flyginventeringar av grågås i Hammarsjön Utförda av Patrik Olofsson/ Ecolimages .
- Olofsson, P. 2006. Hammarsjöns häckande fåglar. Inventering 2006 och utveckling sedan 1956. Skriftserien Vattenriket i fokus 2006:01, Biosfärkontoret Kristianstads Vattenrike
- Ollson, K-A. 2011. Uppföljning av gullstånds 2011.
- Oveson, P. 2009. Markhävdkartering 2008. Hävd tillståndet på betesmarker och slåtterängar inom nedre Helgeåns våtmarksområde i Kristianstads Vattenrike. Vattenriket i fokus 2009:05
- Wagnström, J., Magnusson, S-E., Söderlind, K. & Vägren, G. 1992. Fiskar i Kristianstads Vattenrike.

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:



Helge å (Kristian Nilsson,
05-09-2010)



Reintroduction of catfish to
Helge å (Kristian Nilsson,
05-09-2010)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 1974-12-05