



Ramsar Information Sheet

Update version, previously published on 1 January 2002

Sweden Blekinge skärgård



Designation date	19 November 2001
Site number	1115
Coordinates	56°7'25"N 15°26'31"E
Area	12 958,00 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 three separate parts along the southeast coast of Sweden. The coastal area includes an archipelago. The site includes isles, islands, coastal areas with coastal meadows and marshes, beaches, and rocky shores, and the waters between. The area supports more than 100 nationally red-listed species, primarily insects and birds, and more than 20,000 waterbirds, especially ducks, gulls, and cormorants. Remains of medieval house foundations and ancient graves can be seen on some islands, and preservation of the cultural landscape in this area is seen to be of national interest. Twelve nature reserves exist within or partially within the site, all with management plans in place.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Compiler 1

Name	Åke Widgren (AA Jenny Lonnstad)
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2.1.2 - Period of collection of data and information used to compile the RIS

From year

To year

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Unofficial name (optional)

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 No

(Update) The boundary has been delineated more accurately

(Update) B. Changes to Site area the area has increased

(Update) The Site area has been calculated more accurately

(Update) The Site area has increased because of a boundary extension

(Update) The Site area has decreased because of a boundary restriction

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 (likely)

(Update) Are the changes Positive Negative Positive & Negative

(Update) Positive %

(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 borders of the three sub sites have been delineated more accurately. This has resulted in the land areas that aren't wetlands have been excluded and that shallow waters and wet meadows along the coastline have been included.

(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>

Boundaries description (optional)

The area consists of three separated parts. The western part, Bräkne - Hoby archipelago, bounded on the north of the mainland (shoreline). Otherwise the line is drawn through open water. The delimitation of the middle part, Listerby archipelago, corresponds almost exactly with the reserve boundaries, except in the north where the two bays Inre Fjärden and Tromtesundaviken are included in the Ramsar site. The eastern part, Torhamns archipelago, comprising water and islands in Hallarumsviken and in the archipelago south of it. Only a small area on the mainland is included in the north-eastern part.

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
Marine Ecoregions of the World (MEOW)	Baltic seas
EU biogeographic regionalization	Continental
Udvardy's Biogeographical Provinces	11 = Middle European Forest
WWF Terrestrial Ecoregions	Baltic mixed forest PA0405
WWF Terrestrial Ecoregions	Sarmatic mixed forest PA0436
Bailey's Ecoregions	240 Marine Division
Other scheme (provide name below)	See textbox below.

Other biogeographic regionalisation scheme

Nordiska ministerrådet, 1977. Naturgeografisk regionindelning av Norden. NU B 1977:34 NMR 29a, "9 Blekinges sprickdalsterräng och ekskogsområde".

DMEER 2002 (EEA) Digital Map of European Ecological Regions: mostly "Sarmatic mixed forest" and in the most western part of the site "Baltic mixed forest".

EU marine regions : Marine Baltic

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

Other ecosystem services provided

The site is important for fishing, recreation, bird watching, ecological tourism.

Other reasons

The site is a well-developed example of an archipelago in a brackish sea. It contains a lot of representative coastal wetland types in the EU Continental region, for example grazed Boreal Baltic coastal meadows, estuarine waters and coastal lagoons. The partially shallow water area is important as spawning and recruiting area for fish, including herring, pike and perch. The wooded pastures and deciduous broad-leaved forests within the site have a huge number of red-listed species, particularly insects. The site also includes a transition mire turning from a topogenous fen to a bog. It is of large interest for studying the development of a bog. Mires are very rare in this part of Sweden.

- Criterion 2 : Rare species and threatened ecological communities

- Criterion 3 : Biological diversity

Justification

The site supports more than 100 nationally red-listed species of birds, insects, lichens, fungus and other organisms. Some of them are unique for the Baltic sea. It is also important for maintaining the diversity of bird species (breeding and resting) in the EU continental and boreal regions. The site is important for breeding, resting and wintering birds. It's of extraordinary importance as staging area for migratory waterbird species. It also supports some rare/endangered bird species. The site is also important for invertebrates, most of them connected to the wooded pastures and broad-leaved deciduous forests close to the sea (non-wetlands). The diversity of invertebrates is unique, and a lot of species are red-listed.

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

- Criterion 5 : >20,000 waterbirds

Overall waterbird numbers

30000

Start year

1976

Source of data:

Olsson 2015

- Criterion 6 : >1% waterbird population

- Criterion 7 : Significant and representative fish

Justification

The site contains one of the strongest populations of pike in Europe. The population has all age groups represented in good numbers. Pike's a top predator and has an important structural role in the ecosystem. The strong population of pike thus help to keep the area's ecosystem in balance. The site is also one of the southern Baltic Sea main breeding areas for herring. Herring stocks are spring-spawning. The fish species diversity is representative of brackish water, and among the least affected by humans in the Baltic Sea.

- Criterion 8 : Fish spawning grounds, etc.

Justification

The site is of international importance as spawning and recruitment area for fish, primarily pike and perch.

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>Montia minor</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (NT)	Criterion 3. The species occurs at a lot of places within the site.
 <i>Polygonum aviculare excelsius</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Swedish Red List 2015 (EN)	Criterion 3. The site contains two localities of four by the Baltic sea. The subspecies is endemic for the Nordic countries.

Criterion 2 and 3: For all species, their status in the Swedish Red List and general information for that classification etc can be found at <http://artfakta.artdatabanken.se/>. Observations can be found in www.artportalen.se.

Criteria 3: do also see textbox under 3.1 criteria 3 and stoneworts species that weren't possible to register in file under additional material 6.2 (taxo).

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	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7								
CHORDATA/AVES	 <i>Aythya fuligula</i>	Tufted Duck	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	20000	1976-2015	1	LC 	<input type="checkbox"/>	<input type="checkbox"/>		Criterion 6. A winter resting population of >20 000 individuals out of 1 200 000 in the . North-west Europe (win) population. Ref: Olsson 2015 and/W. See textbox below the table.
CHORDATA/AVES	 <i>Branta leucopsis</i>	Barnacle Goose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EC Birds Directive Annex I.	Breeding at the site. See textbox below the table.
CHORDATA/AVES	 <i>Circus aeruginosus</i>	Western Marsh Harrier	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EC Birds Directive Annex I.	Breeding at the site. See textbox below the table.
CHORDATA/ACTINOPTERYGII	 <i>Clupea harengus</i>	Herring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		Criteria 7 and 8. There are lots of suitable spawning and nursery habitats (shallow bays) at the site. See textbox below the table.				
CHORDATA/ACTINOPTERYGII	 <i>Esox lucius</i>	Pike	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		Criterion 7 and 8. There are lots of suitable spawning and nursery habitats (shallow bays) at the site. The population of pike within the site is exceptionally large and of international importance. See textbox below the table.				
CHORDATA/AVES	 <i>Haliaeetus albicilla</i>	White-tailed Eagle	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	2015		LC 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Swedish Red List 2015, NT. EC Birds Directive Annex I.	Criterion 4. A large number are wintering annually in the area (Ref: Svensson 2015). Occasionally nesting. See textbox below the table.
CHORDATA/AVES	 <i>Hydroprogne caspia</i>	Caspian Tern	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 NT. EC Birds Directive Annex I.	See textbox below the table.
CHORDATA/MAMMALIA	 <i>Myotis nattereri</i>	Natterer's bat, Natterer's Myotis	<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.
CHORDATA/ACTINOPTERYGII	 <i>Perca fluviatilis</i>	Perch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		Criterion 7 and 8: There are lots of suitable spawning and nursery habitats (shallow bays) at the site.				

Phylum	Scientific name	Common name	Species qualifies under criterion			Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7								
CHORDATA/AVES	 <i>Phalacrocorax carbo sinensis</i>	Great Cormorant	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6000		1	LC 	<input type="checkbox"/>	<input type="checkbox"/>		Criterion 6. Large numbers of the Northern/central Europe population is wintering, (estimated >6000 individuals of total 380000-405000). Ref: Olsson 2015 and/WI. See textbox below the table.
CHORDATA/MAMMALIA	 <i>Pipistrellus nathusii</i>	Nathusius's pipistrelle 'sPipistrelle	<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.
CHORDATA/AMPHIBIA	 <i>Rana dalmatina</i>	Agile Frog	<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.
CHORDATA/AVES	 <i>Recurvirostra avosetta</i>	Pied Avocet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EC Birds Directive Annex I.	Breeds annually with a few pairs. See textbox below the table.
CHORDATA/ACTINOPTERYGII	 <i>Salmo trutta</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>		Criteria 7 and 8. The site includes the estuary of Bråneån, which is important as a migration route for individuals heading for the river. See textbox below the table.				
CHORDATA/AVES	 <i>Somateria mollissima</i>	Common eider	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10000		1	LC 	<input type="checkbox"/>	<input type="checkbox"/>	Swedish Red List 2015 (VU).	Breeding population about 5000 pairs out of 976000 for the Baltic Denmark Netherlands population. Ref: Olsson 2015 and/WI. See textbox below the table.
CHORDATA/AVES	 <i>Sterna hirundo</i>	Common Tern	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EC Birds Directive Annex I.	Breeding at the site. See textbox below the table.
CHORDATA/AVES	 <i>Sterna paradisaea</i>	Arctic Tern	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC 	<input type="checkbox"/>	<input type="checkbox"/>	EC Birds Directive Annex I.	Breeding at the site. See textbox below the table.
CHORDATA/AVES	 <i>Sternula albifrons</i>	Little Tern	<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. EC Birds Directive Annex I.	See textbox below the table.

Criterion 2 and 3: For all species, their status in the Swedish Red List and general information for that classification etc can be found at <http://artfakta.artdatabanken.se/>. Observations can be found in www.artportalen.se.

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

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
1630 Boreal baltic coastal meadows	<input checked="" type="checkbox"/>	Coastal meadows, mostly with low growing plant communities in the geolittoral zone, sometimes interspersed with salt patches, salinity is low (brackish water), tide hardly exists. Grazing and mowing is important.	This is a priority habitat in the EU Habitats Directive. The habitats conservation status was bad in the Swedish part of the EU Continental region in the last article 17 report in 2013.
1150 Coastal lagoons	<input checked="" type="checkbox"/>	Lagoons are expanses of shallow coastal salt water, of varying salinity and water volume, wholly or partially separated from the sea by sand banks or shingle, or, less frequently, by rocks.	This is a priority habitat in the EU Habitats Directive. The habitats conservation status was bad in the Swedish part of the EU Continental region in the last article 17 report in 2013.
1160 Large shallow inlets and bays	<input checked="" type="checkbox"/>	Large indentations of the coast where the influence of freshwater is generally limited. These areas are generally sheltered from wave action and contain a great diversity of substrates for different benthic communities. The biodiversity is high.	This is a habitat in the EU Habitats Directive. The habitats conservation status was unfavourable in the Swedish part of the EU Continental region in the last article 17 report in 2013.

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

4.1 - Ecological character

The site consists of three separate parts along the southeast coast of Sweden. They all include isles, islands, coastal areas with coastal meadows and marshes, beaches, and rocky shores, and the waters between. Vegetation within the site include grazed seashore meadows, emergent water vegetation, wetland forests of different kinds, wet meadows, fens, transitional fens/bogs, areas dominated by heather *Calluna vulgaris* or grass and sedge *Carex* spp. There are also restricted areas of deciduous forests (e.g. oak *Quercus robur* and beech *Fagus sylvatica*). Most of the islands resemble ancient and old time pastures, with juniper *Juniperus communis*, roses *Rosa* spp., blackthorn *Prunus spinosa* and hawthorn *Crataegus* sp. in grazed areas.

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		1	2720	Representative
D: Rocky marine shores		4	16	Representative
F: Estuarine waters		4	22	Rare
H: Intertidal marshes		3	126	Representative
J: Coastal brackish / saline lagoons		4	18	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 > Marshes on peat soils >> U: Permanent Non-forested peatlands		4	4	Rare

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Fennoscandian wooded pastures	
broad-leaved deciduous forests	

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Scientific name	Common name	Position in range / endemism / other
<i>Blasmus rufus</i>		Swedish Red List 2015 (NT)
<i>Bupleurum tenuissimum</i>		Swedish Red List 2015 (NT)
<i>Serratula tinctoria</i>		Swedish Red List 2015 (NT)
<i>Taraxacum intercedens</i>		Endemic for southern Sweden and Estonia
<i>Taraxacum littorale</i>		Swedish Red List 2015 (NT)

4.3.2 - Animal species

Other noteworthy animal species

Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	%occurrence	Position in range / endemism / other
CHORDATA/AVES	<i>Fringilla montifringilla</i>	Brambling	100000			Flocks of 10000-100000 wintering at Tromtö nature reserve.
ARTHROPODA/INSECTA	<i>Gnorimus variabilis</i>					Swedish Red List 2015 (EN).
ARTHROPODA/INSECTA	<i>Osmoderma eremita</i>	Hermit beetle				Swedish Red List 2015 (NT). IUCN Red List (NT)

Invasive alien animal species

Phylum	Scientific name	Common name	Impacts	Changes at RIS update
CHORDATA/ACTINOPTERYGII	<i>Neogobius melanostomus</i>	Round Goby	Potentially	No change

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
D: Moist Mid-Latitude climate with cold winters	Dfb: Humid continental (Humid with severe winter, no dry season, warm summer)

Rising sea level as a consequence of climate change will affect the site.

4.4.2 - Geomorphic setting

a) Minimum elevation above sea level (in metres)

a) Maximum elevation above sea level (in metres)

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 site is part of the Blekinge archipelago in the Baltic sea.

4.4.3 - Soil

Mineral

Organic

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	

Source of water that maintains character of the site

Presence?	Predominant water source	Changes at RIS update
Marine water	<input type="checkbox"/>	No change

Water destination

Presence?	Changes at RIS update
Marine	No change

Stability of water regime

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

4.4.5 - Sediment regime

<no data available>

4.4.6 - Water pH

Unknown

4.4.7 - Water salinity

Mxohaline (brackish)/Mxosaline (0.5-30 g/l)

Euhaline/Eusaline (30-40 g/l)

4.4.8 - Dissolved or suspended nutrients in water

Unknown

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

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

Surrounding area has greater urbanisation or development

Surrounding area has higher human population density

Surrounding area has significantly different land cover or habitat types

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

To the north of the site is the mainland, with a larger proportion of arable land, built-up areas and forests and less of little islands and sea. South of the site is the open sea. To the east and west of the site (and between the different parts) there are similar areas (coastal areas with a lot of island and peninsulas), but conservation values are lower (more forested islands, less birdlife).

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

RIS for Site no. 1115, Blekinge skärgård, Sweden

Ecosystem service	Examples	Importance/Extent/Significance
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	Medium
Wetland non-food products	Livestock fodder	Low

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Recreational hunting and fishing	High
Recreation and tourism	Picnics, outings, touring	High
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	Low
Scientific and educational	Major scientific study site	High
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	High

Within the site:

Outside the site:

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

4.5.2 - Social and cultural values

<no data available>

4.6 - Ecological processes

<no data available>

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

5.1 - Land tenure and responsibilities (Managers)

5.1.1 - Land tenure/ownership

Public ownership

Category	Within the Ramsar Site	In the surrounding area
National/Federal government	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Local authority, municipality, (sub)district, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other public ownership	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Private ownership

Category	Within the Ramsar Site	In the surrounding area
Religious body/organization	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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 Blekinge län

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

Naturvårdsdirektören/Avdelningschefen (Head of Department)

Postal address:

S-371 86 Karlskrona, Sweden

E-mail address:

blekinge@lansstyrelsen.se

5.2 - Ecological character threats and responses (Management)

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

Agriculture and aquaculture

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Annual and perennial non-timber crops	Medium impact	Medium impact	<input 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 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
Vegetation clearance/ land conversion	Low impact	Low impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Invasive non-native/ alien species	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
Household sewage, urban waste water	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Industrial and military effluents	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Agricultural and forestry effluents	Low impact	Low impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

Climate change and severe weather

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

5.2.2 - Legal conservation status

Global legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
UNESCO Biosphere Reserve	Blekinge arkipelag	http://www.blekingearkipelag.se/	partly

Regional (international) legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
EU Natura 2000	Several sites, see national legislation below.		partly

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Bird sanctuaries			whole
Nature reserve (11)	Sonekulla-Biskopsmåla	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturresevat/ronneby/sonekulla/Pages/index.aspx	partly
EU Natura 2000 SAC (10)	Bräkne-hobyskärgård	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPBräkneHobyskärgård050909.pdf	partly
EU Natura 2000 SAC and SPA (1)	Tromtö-Almö	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPTromtöAlmö2006.pdf	partly
EU Natura 2000 SAC (3)	Hästholmen-Öppensjär	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPHästholmenÖppensjär050909.pdf	partly
EU Natura 2000 SAC (4)	Järkö	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPJärkö050909.pdf	partly
EU Natura 2000 SAC (5)	Senora Svenö	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPSenoraSvenö050909.pdf	partly
EU Natura 2000 SAC (6)	Stora Hammar-Varö-Lillö	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPStoraHammarVaröLillö050909.pdf	partly
EU Natura 2000 SAC (7)	Hallarum	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPHallarum050909.pdf	partly
EU Natura 2000 SAC (8)	Stora Rom	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPStoraRom050909.pdf	partly

Designation type	Name of area	Online information url	Overlap with Ramsar Site
EU Natura 2000 SAC (9)	Ivö	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPIvö050909.pdf	partly
EU Natura 2000 SAC (11)	Smygen	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPSmygen050909.pdf	partly
EU Natura 2000 SAC (12)	Sonekulla	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPSonekulla050909.pdf	partly
Nature reserve (1)	Tromtö	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/ronneby/tromto/Pages/index.aspx	partly
Nature reserve (2)	Hästhölmens-Ytterön	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/karlskrona/hastholmen-ytteron/Pages/index.aspx	partly
Nature reserve (3)	Västra Skällön	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/karlskrona/vastraskallon/Pages/index.aspx	partly
Nature reserve (4)	Järkö	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/karlskrona/jarko/Pages/index.aspx	partly
Nature reserve (5)	Svenö	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/karlskrona/svenoen/Pages/index.aspx	partly
Nature reserve (6)	Hallarumsviken	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/karlskrona/hallarumsviken/Pages/index.aspx	partly
Nature reserve (7)	Stora Rom	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/karlskrona/stororum/Pages/index.aspx	partly
Nature reserve (8)	Almö	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/ronneby/almo/Pages/index.aspx	partly
Nature reserve (9)	Kvalmsö	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/ronneby/kvalmsos/Pages/index.aspx	partly
EU Natura 2000 SPA (1)	Bjömö-Varö	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPBjömönVarö050909.pdf	partly
EU Natura 2000 SPA (2)	Torhamn-Hästhölmens	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPTorhamnHästhölmens050909.pdf	partly
EU Natura 2000 SPA (3)	Ronnekläppen	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPRonnekläppen050909.pdf	partly
EU Natura 2000 SAC (1)	Utlängan	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPUtlängan050909.pdf	partly

Designation type	Name of area	Online information url	Overlap with Ramsar Site
EU Natura 2000 SAC (2)	Torhamns udde	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPTorhamnsudde050909.pdf	partly
EU Natura 2000 SAC (14)	Ryamad	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPRyamad050909.pdf	partly
EU Natura 2000 SAC (15)	Sandhamn	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPSandhamn050909.pdf	partly
EU Natura 2000 SAC (16)	Vambåsanäs	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPVambåsanäs050909.pdf	partly
Nature reserve (12)	Vambåsa hagmarker	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/ronneby/vambåsa/Pages/index.aspx	partly
EU Natura 2000 SAC (13)	Vångsö-Biskopsmåla	http://www.lansstyrelsen.se/blekinge/SiteCollectionDocuments/sv/djur-och-natur/skyddad-natur/natura2000/BPVångsöBiskopsmåla050909.pdf	partly
Nature reserve (10)	Listerby skärgård	http://www.lansstyrelsen.se/blekinge/Sv/djur-och-natur/skyddad-natur/naturreservat/ronneby/listerby/Pages/index.aspx	partly

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	Blekinge archipelago	http://www.birdlife.org/datazone/sitefactsheet.php?id=9010	partly

5.2.3 - IUCN protected areas categories (2008)

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

5.2.4 - Key conservation measures

Legal protection

Measures	Status
Legal protection	Partially implemented

Species

Measures	Status
Threatened/rare species management programmes	Partially implemented

Human Activities

Measures	Status
Regulation/management of recreational activities	Partially implemented
Communication, education, and participation and awareness activities	Partially implemented
Research	Partially 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:

No such facilities exist.

5.2.6 - Planning for restoration

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

5.2.7 - Monitoring implemented or proposed

At Torhamn, in the south-eastern part of the Ramsar site, there is a bird station and bird watching towers where migratory birds are studied. Monitoring activity and pollution control at the coast (The Coastal Management and Protection Association). A special monitoring project of the flora and fauna inside the Tromtö Nature Reserve has been carried out during 2001.

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Biosfärområde Blekinge Arkipelag. 2012. .

Baranowski, R. & Nilsson, S. G. 1994. Vedinsekter på Tromtö. Länsstyrelsen i Blekinge län 1994.

Berglund, B. 1965. Late-Quaternary vegetation in eastern Blekinge, southeastern Sweden, a pollen-analytical study. 1. Lateglacial time. Lund, 1966.

Gärdenfors, U (ed.) 2015. Rödlistade arter i Sverige 2015 - The 2015 Red List of Swedish Species. ArtDatabanken, SLU, Uppsala.

Larsson, R. och Nilsson, T. 2003. Fågellokaler i Blekinge. Blekinges Ornitologiska Förening. Karlskrona 2003.

Länsstyrelsen i Blekinge län. 1986. Torhamns ytterskärgård. Natur och naturvärden. Meddelande 1986: 2

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Länsstyrelsen i Blekinge län. 1994. Våtmarker i Blekinge.

Nilsson, T. och Lundgren, U. 1993. Blekinges fåglar. Fåglar i Blekinge, supplement 1993:1. Blekinges Ornitologiska Förening. Lund 1993.

Nordiska ministerrådet, 1977. Naturgeografisk regionindelning av Norden. NU B 1977:34 NMR 29a, Blekinges sprickdalsterräng och ekskogsområde.

Olsson, M. 2015. Internationella sjöfågelräkningen i januari i Blekinge 2015. Fåglar i Blekinge 2015:1: 37-41.

Svensson, T. 2015. Örnräkningen i Blekinge 2015. Fåglar i Blekinge 2015:1: 44.

6.1.2 - Additional reports and documents

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

<1 file(s) uploaded>

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

<1 file(s) uploaded>

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:



Torhamns udde nature reserve, in the eastern part of the site (Torhamns skärgård). (Länsstyrelsen Blekinge, Ake Widgren, 09-05-2006)



Bräkne Hoby skärgård, in the western part of the site. (Länsstyrelsen Blekinge, Ingegerd Eriandsson, 27-08-2014)



Tromtö nature reserve, in the middle part of the site (Listerby skärgård). (Länsstyrelsen Blekinge, Lars-Göran Olsén, 18-05-2010)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 2001-11-19