

Ramsar Information Sheet

Published on 15 July 2019 Update version, previously published on : 1 January 2002

Denmark (Greenland)

Ikkattoq and adjacent archipelago



Designation date 27 January 1988

Site number 387

Coordinates 62°40'37"N 50°12'03"W

Area 44 880,00 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 is a typical coastal landscape of southwest Greenland. It consists of a shallow fjord and an extensive archipelago, and there are extensive coasts with tidal mudflats. It is an important moulting area for the Greenland population of Red-breasted Merganser (Mergus serrator).

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Compiler 1

| Name | David Boertmann |
|--------------------|---|
| | |
| Institution/agency | Aarhus University, Institute for Bioscience |
| | |
| | Frederiksborgvej 399 |
| | DK-4000 Roskilde |
| | |
| | Denmark |
| | |
| E-mail | dmb@bios.au.dk |
| | |
| Dhono | LAE 05500007 |
| Phone | +45 25580687 |

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

From year 1985

To year 2018

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Ikkattoq and adjacent archipelago

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 O No

(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?

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<1 file(s) uploaded>

Former maps 0

Boundaries description

The boundaries are hard to describe briefly. They encompass the entire fjord and the adjacent lowlands (< 500 m), including most of the lowland west of Frederikshåb Isblink south to 68° 28' 30'' N latitude and also all of the islands and skerries south of Ravns Storø.

2.2.2 - General location

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

Kommuneqarfik Sermersooq

b) What is the nearest town or population centre?

Paamiut 62 km to the south, Nuuk 185 km to the north, Qeqertarsuatsiaq 47 km to the north

2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other Yes O No

Outpties?

b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party?

2.2.4 - Area of the Site

Official area, in hectares (ha): 44880

Area, in hectares (ha) as calculated from GIS boundaries 44772.16

2.2.5 - Biogeography

Biogeographic regions

| Regionalisation scheme(s) | Biogeographic region |
|-----------------------------------|-----------------------------------|
| Other scheme (provide name below) | Low Arctic oceanic |
| WWF Terrestrial Ecoregions | Kalallit Nunaat low arctic tundra |

Other biogeographic regionalisation scheme

Low Arctic oceanic according to Bay 1997.

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 reason

This site is representative for the southwest Greenland fjordlands and archipelagoes, where seaducks breed and moult and where the white-tailed eagle has its most dense population in Greenland.

- ☑ Criterion 2 : Rare species and threatened ecological communities
- ☑ Criterion 3 : Biological diversity

The site hold a relatively high biodiversity, due to the different habitats.

National Responsibility Species (> 20% of the global population in Greenland) and isolated (to

Justification Greenland) populations:

N

Mallard (endemic subspecies in Greenland)

Red-breasted Merganser (probably isolated population in Greenland)

Black Guillemot

- ☑ Criterion 4 : Support during critical life cycle stage or in adverse conditions
- ☑ Criterion 6 : >1% waterbird population
- 3.2 Plant species whose presence relates to the international importance of the site

Endemic plants to Greenland found in the area: Hieracium hyparcticum, Antennaria hansii and Antenarria intermedia

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

| Phylum | Scientific name | Common name | Species qualifies under criterion 2 4 6 9 | Species contributes under criterion 3 5 7 | Size Period of pop. Est. of | ccurrence | IUCN Red A List | CITES ppendix | CMS Appendix I | Other Status | Justification |
|---------------------------|----------------------------------|--|---|---|-----------------------------|-----------|-----------------------|------------------|----------------------|---------------------------------|---------------------------|
| Birds | | | | | | | | | | | |
| AVES | Anas platyrhynchos conboschas | Greenland Mallard | | 2 000 | | | LC | | | endemic subspecies | breeder |
| CHORDATA / AVES | Cepphus grylle | Black Guillemot | | | | | LC | | | national responsibility species | breeder |
| Δ\ <i>/</i> ⊏ Q | Clangula hyemalis | Oldsquaw; Long- tailed Duck | 2 200 | 2 000 | | | VU | | | | breeder |
| | aidicilia | White-tailed Eagle | 8800 | 2 000 | | | LC | / | V | VU on national red list | breeder |
| CHORDATA / AVES | Histrionicus histrionicus | Harlequin Duck | | 2 000 | 150 1999 | | LC | | | | moulting males |
| Δ\ <i>/</i> ⊏ Q | Mergus serrator | Red-breasted Merganser | | 2 000 | 474 1999 | 1.9 | LC | | | probably isolated population | moulting W & SE Greenland |
| | mollissima | Common Eider West Greenland population | | 2 000 | | | NT | | | | breeder |
| CHORDATA / AVES | Stercorarius parasiticus | Arctic Skua | | 2 000 | | | LC | | | | breeder |
| CHORDATA / AVES | Sterna paradisaea | Arctic Tern | | 2 000 | | | LC | | | | breeder |
| Others | | | | | | | | | | | |
| CHORDATA / MAMMALIA | Phoca vitulina | Harbor Seal | | | | | LC | | | CR on national red list | breeding |

¹⁾ Percentage of the total biogeographic population at the site

In 1985 approx. 1000 moulting Red-breasted Merganser were counted from boat and in 1999, 474 moulting red-breasted mergansers were counted from aircraft (Boertmann & Mosbech 2001). According to local sources, the mergansers are still there in considerable numbers. The critically endangered (national red list) harbour seal have been reported in recent years (A. Rosing-Asvid pers. comm.)

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

<no data available>

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

4.1 - Ecological character

The site is located within the low arctic climatic zone with sporadic permafrost. The Greenland Ice Cap almost reaches the fjord at Frederikshåb Isblink. Melt water from the ice drain for a large part into the site, and all marine waters of the area are turbid with an intense turquoise colour.

The site consists of a shallow fjord area, an extensive archipelago and a low tidal coast. The bedrock consists of gneisses and rocky coasts predominate. But there are also extensive sedimentary beaches with large mudflats exposed at low tide (tidal amplitude 3 m). Particularly off Frederikshåb Isblink there are extensive sand beaches.

The vegetation is dominated by dwarf scrub heaths and in depression marshes and ponds are found. There are a few large lakes in the area.

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

Marine or coastal wetlands

| Warrio or codotal Wollando | armo or occount westerne | | | | | | | | | |
|---------------------------------------|--------------------------|--|------------------------------|------------------------------|--|--|--|--|--|--|
| 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 | | Representative | | | | | | |
| D: Rocky marine shores | | 2 | | Representative | | | | | | |
| E: Sand, shingle or pebble shores | | 3 | | Representative | | | | | | |
| G: Intertidal mud, sand or salt flats | | 4 | | Rare | | | | | | |

Inland wetlands

| Wetland types (code and name) | Local name | Ranking of extent (1: greatest - 4: least) | Area (ha) of wetland type | Justification of Criterion 1 |
|--|------------|--|------------------------------|------------------------------|
| Fresh water > Flowing water >> M Permanent rivers/ streams/ creeks | | 2 | | Representative |
| Fresh water > Lakes and pools >> O: Permanent freshwater lakes | | 1 | | Representative |

Other non-wetland habitat

| Other non-wetland habitats within the site | Area (ha) if known |
|--|--------------------|
| Mountaneus areas | |
| | |
| Dunes | |
| | |
| Dwarph scrub heath | |
| | |

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 |
|--|---|
| E: Polar climate with extremely cold winters and summers | ET: Tundra (Polar tundra, no true summer) |

The Köppen-Gieger Climate Classification System does not really apply to this site. The site is within the low Arctic climate zone.

4.4.2 - Geomorphic setting

| a) Meterum election above colored for the form process of the proc | | | | |
|--|-----------------------------|----------------------------------|--|---|
| Description of the basin of | a) Minimum elevation ab | , 10 | | |
| Entire next belief | a) Maximum elevation ab | ` 500 | | |
| Upper part of ther beals Middle part of the teals Lover part of ther beals Note that new beals Note that new beals Note that new beals Note that new beals Costald Please runne the niver beals in the beals Note that new beals Costald Please runne the niver beals in the beals Note that Research Authority Author | | metres) | | |
| Mode part of nor basin IZ Lover part of nor basin IZ Note in nor basin IZ Note the hard cere detail to the hard IZ Note in nor basin IZ Cossell IZ Please a rame the river basin or basins. If the site less in a sub-basin, please also name the larger river basin. For a cossistematine site, please name the sea or cosen. Davis Strait 4.4.3 - Soil Mineral IZ (spidios) Changes at RISI spides No change O increase O becrease O Livinovin III (spidios) Changes at RISI spides No change O increase O becrease O Livinovin III Are soil types subject to change at RISI spides No change O increase O becrease O Livinovin III Are soil types subject to change at RISI spides No change O increase O becrease O Livinovin III Are soil types subject to change at RISI spides No change O increase O becrease O Livinovin III Are soil types subject to change at RISI spides III Are soil types subject to change at RISI spides III Are soil types subject to change at RISI spides III Are soil types subject to change at RISI spides III Are soil types subject to change at RISI spides III Are soil types subject to change at RISI spides III Are soil types at RISI spides III Are soil types subject to change at RISI spides III Are soil types at RISI spides III Are spided or water againe Spidicart excessor of sediments occurs on the site (\$44500 Changes at RISI spides No change O increase O becasse O Livinovin III Spidicart excessor of sediments occurs on the site (\$44500 Changes at RISI spides No change O increase O becasse O Livinovin III Sediment regime Significant accretion or deposition of sediments occurs on or through the site III (\$44500 Changes at RISI spides No change O increase O becasse O Livinovin III Sediment regime unknown III Sediment regime unknown III (\$44500 Changes at RISI spides No change O increase O becasse O Livinovin III Sediment regime unknown III Sediment regime on the spide of the spide | | | | |
| Lower part of infer basin | | | | |
| Note that not be air or for board. Note that not be air or board. Please name the first board or basins. If the site lies is a sub-board, please also name the larger river basin. For a coastifirmatine site, please name the sea or coast. Day's Strait Meenal (2) Authority Changes at RS supplies to change. O increase O borease O | | • | _ | |
| Please name the near basin or basins. If the site lies in a sub-basin, please also name the larger near basin. For a coastal/marine site, please name the sea or ocean. Davis Strait 4.4.3 - Soil Meneral EX 1.5-tam() Charges at RIS update No change O increase O Decrease O Unknown @ Cognic C 1.5-tam() Charges at RIS update No change O increase O Decrease O Unknown @ No realistic information Are soil bytes subject to change as a result of changing public information Are soil bytes subject to change as a result of changing public information Are soil bytes subject to change as a result of changing subject or conditions (e.g., increased salinity or additionality)? Yes O No @ 4.4.4 - Water regime Water permanence Presence? Changes at RIS update Presence? Predominant water source Changes at RIS update No change Stability of water marrial in chancter of the site Presence? Changes at RIS update No change Presence? Changes at RIS update No change Presence? Changes at RIS update No change Stability of water regime Presence? Changes at RIS update No change of the condition of sediments cours on the site C (Author (Changes at RIS update No change O increase O Decrease O Uninown @ Significant accretion of deposition of sediments occurs on the site C (Author) Changes at RIS update No change O increase O Decrease O Uninown @ Significant bacefor or deposition of sediments occurs on the site C (Author) Changes at RIS update No change O increase O Decrease O Uninown @ Significant bacefor or deposition of sediments occurs on the site C (Author) Changes at RIS update No change O increase O Decrease O Uninown @ Significant bacefor or deposition of sediments occurs on the site C (Author) Changes at RIS update No change O increase O Decrease O Uninown @ Sediment regime uninown @ Sedi | | | _ | |
| Rease name the river basin or basins. If the site lices in a sub-basin, please also name the larger river basin. For a coastal/brantine site, please name the see or ocean. Dayl Strait | | No | in river basin | |
| Davis Strait 4.4.3 - Soil Mineral (2) (Jubdiel) Changes at RIS update No change O Increase O Decrease O Listnown (9) Coganic □ (Jubdiel) Changes at RIS update No change O Increase O Decrease O Listnown (9) No activation formation □ Are soil types subject to change as a most of changing hydrological Yes O No (9) 4.4.4 - Water regime Water permanence Presence? □ Changes at RIS update Lusually permanent water Presence? □ Changes at RIS update Marine No change Changes at RIS update Marine No change Changes at RIS update Presence? □ Changes at RIS update Luddielo Changes at RIS update No change □ Increase □ Decrease □ Listnown ● Significant accordion of decliments occurs on the sitle □ Luddielo Changes at RIS update No change □ Increase □ Decrease □ Listnown ● Significant transportation of sediments occurs on through the sitle □ Luddielo Changes at RIS update No change □ Increase □ Decrease □ Listnown ● Significant transportation of sediments occurs on through the sitle □ Luddielo Changes at RIS update No change □ Increase □ Decrease □ Listnown ● Sediment regime unknown Ø Sediment regime unknown Ø | | | Coastal ☑ | |
| A.4.3 - Soil Mineral E (Buster) Changes at RIS update No change O Increase O Decrease O Unknown ⊕ Organic □ (Buster) Changes at RIS update No change O Increase O Decrease O Unknown ⊕ No available information □ Are soil types subject to change as a nesut of changing hydrological conditions (e.g., increased satishing or additication)? Yes O No ⊕ 4.4.4 - Water regime Water permanence Presence? □ Changes at RIS update Usually permanent water Usually permanent water (Usually permanent water (Usually permanent water) Usually permanent water Usuall | Please name the river basin | or basins. If the site lies in a | ub-basin, please also name the larger river basin. For a coast | al/marine site, please name the sea or ocean. |
| Mercal | Davis Strait | | | · |
| Merical Changes at RIS update No change O Increase O Decrease O Unknown ® Changes at RIS update No change O Increase O Decrease O Unknown ® No available information | | | | |
| Changes at RIS update Nortange O Increase ○ Decrease ○ Unknown ◎ Cryantic □ (Changes at RIS update Nortange O Increase ○ Decrease ○ Unknown ◎ No available information □ Are soil types subject to change as a result of changing hydrological conditions (e.g., increased salinity or additication)? **Veter presence?** **Changes at RIS update Decrease?* **Changes at RIS update Presence?** **Presence?** **Presence?** **Presence?** **Changes at RIS update No change **Presence?** **Changes at RIS update No change **Stability of water regime Presence?** **Changes at RIS update No change **The regime Presence?** **Presence?** **Changes at RIS update No change **The regime Presence?** **Presence?** **Changes at RIS update No change **The regime Presence?** **The regime Presence?** **Veter regime and its determinents (if relevant). Use this box to explain sites with complex hydrology. **Rainfall includes also snow. Melt water from glaciers is a major freshwater source. **4.4.5 - Sediment regime **Significant accretion of sediments occurs on the site □ **Chaterio (Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ⑤ **Significant accretion or deposition of sediments occurs on the site □ **Chaterio (Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ⑥ **Sediment regime is highly variable, either seasonally or inter-amusity □ **Chaterio (Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ⑥ **Sediment regime is highly variable, either seasonally or inter-amusity □ **Chaterio (Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ⑥ **Sediment regime unknown ⑥ | 4.4.3 - Soil | | | |
| Additional Changes at RIS update Norhange O Increase O Decrease O Unknown | | | Mneral ☑ | |
| Addition Changes at RIS update No change O Increase O Decrease O Unknown O No available Information | | (Update) Changes | at RIS update No change O Increase O Decrease O Unknown | vn ⊚ |
| No available information Are soil types subject to change as a result of changing hydrological ves O No ® conditions (e.g., increased salinity or additionation)? Ves O No ® 4.4.4 - Water regime Water permanence Presence? Changes at RIS update Presence? Predominant water source Changes at RIS update | | | Organic | |
| Are soil types subject to change as a result of changing hydrological conditions (e.g., increased salinity or additication)? Yes O No ® 4.4.4 - Water regime Water permanence Presence? Changes at RIS update presence? Desnably permanent water present in the presence? Predominant water source Changes at RIS update presence? Presence? Predominant water source Changes at RIS update Presence? Presence? No change Water inputs from rainfall? No change Water destination Presence? Changes at RIS update Merine No change Stability of vater regime Presence? Changes at RIS update Water destination Presence? Changes at RIS update Water leads fluctuating find water regime and its determinants (if relevent). Use this box to explain sites with complex hydrology. Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site (Lödsite) Changes at RIS update No change O increase O Decrease O Unknown ® Significant accretion of sediments occurs on the site (Lödsite) Changes at RIS update No change O increase O Decrease O Unknown ® Significant transportation of sediments occurs on or through the site (Lödsite) Changes at RIS update No change O increase O Decrease O Unknown ® Sediment regime is highly variable, either seasonally or inter-annually (Lödsite) Changes at RIS update No change O increase O Decrease O Unknown ® Sediment regime unknown Ø | | (Update) Changes | at RIS update No change O Increase O Decrease O Unknown | vn ⊚ |
| Water permanence Presence? Usually permanent water presence? Usually permanent water presence? Water put maintains character of the site Presence? Presence? Presence? Predominant water source No change Water destination Presence? Changes at RIS update No change Water destination Presence? Changes at RIS update No change Sability of vater regime Presence? Water levels fluctuating (including stat) No change Presence? Water levels fluctuating (including stat) No change Presence? Water levels fluctuating (including stat) No change Statis update no change O increase O becrease O unknown Significant accretion of sediments occurs on the site (Update) Changes at RIS update No change O increase O becrease O Unknown Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change O increase O becrease O Unknown Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update No change O increase O becrease O Unknown Sediment regime | | No availaí | e information | |
| Water permanence Presence? Usually permanent water presence? Usually permanent water presence? Water put maintains character of the site Presence? Presence? Presence? Predominant water source No change Water destination Presence? Changes at RIS update No change Water destination Presence? Changes at RIS update No change Sability of vater regime Presence? Water levels fluctuating (including stat) No change Presence? Water levels fluctuating (including stat) No change Presence? Water levels fluctuating (including stat) No change Statis update no change O increase O becrease O unknown Significant accretion of sediments occurs on the site (Update) Changes at RIS update No change O increase O becrease O Unknown Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change O increase O becrease O Unknown Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update No change O increase O becrease O Unknown Sediment regime | Are soil types subject to | change as a result of changi | hydrological Ves O No 🖭 | |
| Water permanence Presence? Usually permanent water present Source of water that maintains character of the site Presence? Water inputs from naintains Presence? Water inputs from naintains Presence? Water destination Presence? Changes at RIS update No change Water destination Presence? Changes at RIS update No change Stability of water regime Presence? Water levels fluctuating (including tidal) (includi | condition | ons (e.g., increased salinity or | icidification)? | |
| Water permanence Presence? Usually permanent water present Changes at RIS update Presence? Predominant water source Changes at RIS update Presence? Predominant water source Changes at RIS update | 4.4.4 Water regime | | | |
| Usually permanent water present | _ | | | |
| Source of water that maintains character of the site Prosence? Prosence? Prosence? Prosence? No change Water inputs from rainfall / Short inputs from rainfall / No change Water should be shired to the stress of the stress o | | Changes at RIS update | | |
| Source of water that maintains character of the site Presence? Predominant water source Changes at RIS update | | | | |
| Presence? Predominant water source No change | | | | |
| Welter inputs from rainfall / No change Welter destination Presence? Changes at RIS update Marine No change Stability of water regime Presence? Changes at RIS update Welter levels fucutating (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. Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant accretion or deposition of sediments occurs on the site (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime unknown ● | | | Changes at RIS update | |
| Water destination Presence? Changes at RIS update 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. Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant accretion or deposition of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime is highly variable, either seasonally or inter-annually □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime unknown ☑ | | | · · · · · · · · · · · · · · · · · · · | |
| Presence? Changes at RIS update Marine No change Stability of water regime Presence? Changes at RIS update Water levels fluctuating (including tidat) No change Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology. Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Significant accretion or deposition of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Sediment regime is highly variable, either seasonally or inter-annually □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Sediment regime unknown ☑ 4.4.6 - Water pH | Onowidin | | | |
| Stability of water regime Presence? Changes at RIS update Water levels fluctualing (including tidat) Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology. Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Significant accretion or deposition of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ③ Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ④ Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ④ Sediment regime is highly variable, either seasonally or inter-annually □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ④ Sediment regime unknown ☑ 4.4.6 - Water pH | | Changes at PIS undate | | |
| Presence? Changes at RIS update Water levels fluctuating (including tidal) Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology. Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Significant accretion or deposition of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Sediment regime is highly variable, either seasonally or inter-annually □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Sediment regime unknown ☑ 4.4.6 - Water pH | | | | |
| Presence? Changes at RIS update Water levels fluctuating (including tidal) Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology. Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Significant accretion or deposition of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Sediment regime is highly variable, either seasonally or inter-annually □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ② Sediment regime unknown ☑ 4.4.6 - Water pH | Stability of water regime | | | |
| Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology. Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant accretion or deposition of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime is highly variable, either seasonally or inter-annually Sediment regime unknown Sediment regime unknown | | Changes at RIS update | | |
| Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology. Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant accretion or deposition of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime unknown Sediment regime unknown | | No change | | |
| Rainfall includes also snow. Melt water from glaciers is a major freshwater source. 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant accretion or deposition of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime unknown Sediment regime unknown Sediment regime unknown 4.4.6 - Water pH | (morauming addar) | | | |
| 4.4.5 - Sediment regime Significant erosion of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant accretion or deposition of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime unknown Sediment regime unknown 4.4.6 - Water pH | | | | ex hydrology: |
| Significant erosion of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant accretion or deposition of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime unknown Sediment regime unknown 4.4.6 - Water pH | Rainfall includes also | snow. Melt water from g | aciers is a major freshwater source. | |
| Significant erosion of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant accretion or deposition of sediments occurs on the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime unknown Sediment regime unknown 4.4.6 - Water pH | | | | |
| (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant accretion or deposition of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime is highly variable, either seasonally or inter-annually □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime unknown ☑ 4.4.6 - Water pH | 4.4.5 - Sediment regime | е | | |
| (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant accretion or deposition of sediments occurs on the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime is highly variable, either seasonally or inter-annually □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime unknown ☑ 4.4.6 - Water pH | Signific | cant erosion of sediments occ | ers on the site | |
| Significant accretion or deposition of sediments occurs on the site (Update) Changes at RIS update Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update Sediment regime unknown Sediment regime unknown Authority Decrease O Decrease O Unknown No change O Increase O Decrease O Unknown No change O Increase O Decrease O Unknown Authority Decrease O Unknown Aut | , and the second | | | vn ⊚ |
| (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Significant transportation of sediments occurs on or through the site □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime is highly variable, either seasonally or inter-annually □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime unknown ☑ 4.4.6 - Water pH | Significant accretion of | | | |
| Significant transportation of sediments occurs on or through the site (Update) Changes at RIS update Sediment regime is highly variable, either seasonally or inter-annually (Update) Changes at RIS update Sediment regime unknown Sediment regime unknown 4.4.6 - Water pH | <u> </u> | | | vn ⊚ |
| (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime is highly variable, either seasonally or inter-annually □ (Update) Changes at RIS update No change ○ Increase ○ Decrease ○ Unknown ● Sediment regime unknown ☑ 4.4.6 - Water pH | Significant transportation | | _ | |
| Sediment regime is highly variable, either seasonally or inter-annually ☐ (Update) Changes at RIS update Sediment regime unknown ☑ Sediment regime unknown ☑ 4.4.6 - Water pH | | | | vn ⊚ |
| (Update) Changes at RIS update No change O Increase O Decrease O Unknown Sediment regime unknown 4.4.6 - Water pH | Sediment regime is highly | | | |
| Sediment regime unknown 4.4.6 - Water pH | Coaoncrognitio to riigilii) | | | vn ⊚ |
| 4.4.6 - Water pH | | | | ··· - |
| | | Seumentre | THE WINDOWS | |
| | 4.4.6 - Water pH | | | |
| | • | | Acid (pH<5.5) □ | |

RIS for Site no. 387, Ikkattoq and adjacent archipelago , Denmark (Greenland)

| RIS for Site no. 387, Ik | kattoq and adj | acent ar | chipelago , Denmark (Gree | nland) | | | | |
|---------------------------------|--|--------------------------|--|-------------------------------|---|--|--|--|
| | (Update | e) Changes | at RIS update No change O Incr | ease O Decrease O Unknow | _m ⊚ | | | |
| | | | al (pH: 5.5-7.4) | | | | | |
| | (Update | e) Changes | at RIS update No change O Incr | ease O Decrease O Unknow | n ⊚ | | | |
| | | Ak | caline (pH>7.4) | | | | | |
| | (Update | e) Changes | at RIS update No change O Incr | ease O Decrease O Unknow | m ⊚ | | | |
| | | | Unknown 🗹 | | | | | |
| 4.4.7 - Water salinity | | | | | | | | |
| The Water Samuely | | ı | Fresh (<0.5 g/l) | | | | | |
| | (Update | | at RIS update No change O Incr | ease O Decrease O Linknow | m (© | | | |
| | Mixohaline (brackis | | | case o bedicase o officiow | | | | |
| | | | at RIS update No change O Incr | ease O Decrease O Linknow | m (© | | | |
| | | _ | line (30-40 g/l) | case of bedrease of officion | | | | |
| | | | at RIS update No change O Incr | assa O Dagrassa O Hinknow | m (ii) | | | |
| | | | saline (>40 g/l) | ease O Decrease O Officiow | | | | |
| | | • | sat RIS update No change O Incr | pase O Decrease O Hoknow | m (©) | | | |
| | (| Changes | Unknown | ease O Decrease O Olikilow | | | | |
| | | | OTIKIOWIT 🖭 | | | | | |
| 4.4.8 - Dissolved or sus | pended nutrier | nts in wa | ter | | | | | |
| | | | Eutrophic | | | | | |
| | (Update | e) Changes | at RIS update No change O Incr | ease O Decrease O Unknow | m ⊚ | | | |
| | | J | Mesotrophic □ | | | | | |
| | (Update | e) Changes | at RIS update No change O Incr | ease O Decrease O Unknow | n ⊚ | | | |
| | | 3 - 3 | Oligotrophic | | | | | |
| | (Update | e) Changes | at RIS update No change O Incr | ease O Decrease O Unknow | m 🔘 | | | |
| | | or idingoo | Dystrophic | 0 | | | | |
| | (Update | e) Changes | at RIS update No change O Incr | ease O Decrease O Unknow | m | | | |
| | | Ondrigoe | Unknown 🗹 | odos - Bodiodos - Cilidion | | | | |
| | | | | | | | | |
| 4.4.9 - Features of the s | surrounding are | a which | may affect the Site | | | | | |
| Please describe whether, a | | | and ecological differ from the i) broadly similar | ii) aignifiaantly difforant | | | | |
| Characteristics in the area | surrounding the rv | amsai Sile | site itself: | on) significantly different O | | | | |
| | | | | | | | | |
| 4.5 - Ecosystem s | ervices | | | | | | | |
| 4.5.1 - Ecosystem servi | ces/benefits | | | | | | | |
| Provisioning Services | | | | | | | | |
| Ecosystem service | Example | | Importance/Extent/Significance | | | | | |
| Food for humans | Sustenance for l (e.g., fish, molluso | | Medium | | | | | |
| Cultural Services | | | | | | | | |
| Ecosystem service | Example | S | Importance/Extent/Significance | | | | | |
| Recreation and tourism | Recreational hur fishing | nting and | Medium | | | | | |
| | | | | | | | | |
| Other ecosystem service(s) | | | aala) and aaahirda Thara | ara arabaalaa | ical sites within this Damage site (of The | | | |
| National Museum of G | | nmais (s | eais) and seabirds. There a | are probably archaeologi | ical sites within this Ramsar site (cf. The | | | |
| | Within the site: | 100s | | | | | | |
| | | | | | | | | |
| | Outside the site: | | | | | | | |
| Have studies or assessme ecosys | nts been made of t tem services provi | tne econon ded bythis | nic valuation of Ramsar Site? | nown O | | | | |
| | - P | | | | | | | |
| 4.5.2 - Social and cultur | al values | | | | | | | |

i) the site provides a model of wetland wise use, demonstrating the application of traditional knowledge and methods of management and $\hfill\Box$ use that maintain the ecological character of the wetland

RIS for Site no. 387, Ikkattoq and adjacent archipelago , Denmark (Greenland)

ii) the site has exceptional cultural traditions or records of former civilizations that have influenced the ecological character of the wetland

iii) the ecological character of the wetland depends on its interaction with local communities or indigenous peoples

iv) relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological character of the wetland

<no data available>

4.6 - Ecological processes

<no data available>

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

5.1 - Land tenure and responsibilities (Managers)

5.1.1 - Land tenure/ownership

Public ownership

| Category | Within the Ramsar Site | In the surrounding area |
|---------------------------|------------------------|-------------------------|
| Public land (unspecified) | ✓ | ✓ |

5.1.2 - Management authority

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

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

Postal address:

Pinngortitamut Avatangiisinullu Naalakkersuisoqarfik
Departementet for Nature and Environment

Karen Motzfeldt, Head of Department for Nature, Climate and Research

Pinngortitamut Avatangiisinullu Naalakkersuisoqarfik
Departementet for Natur og Miljø

Ministry of Nature and Environment
Postboks 1015
3900 Nuuk

pan@nanoq.gl

5.2 - Ecological character threats and responses (Management)

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

Energy production and mining

| Factors adversely affecting site | Actual threat | Potential threat | Within the site | Changes | In the surrounding area | Changes |
|----------------------------------|---------------|------------------|-----------------|-----------|-------------------------|----------|
| Mning and quarrying | Low impact | Medium impact | | No change | ✓ | increase |

Transportation and service corridors

| Factors adversely affecting site | Actual threat | Potential threat | Within the site | Changes | In the surrounding area | Changes |
|----------------------------------|---------------|------------------|-----------------|-----------|-------------------------|-----------|
| Shipping lanes | Medium impact | Medium impact | ✓ | No change | ✓ | 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 | ✓ | No change | > | 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 | 2 | No change | ✓ | No change |

Please describe any other threats (optional):

The inshore sailing route goes through the western part; as a result there is a considerable traffic of small boats in summer. Hunting and fishing takes place in the fjord and in the archipelago.

There is a mineral exploration license area just outside the site, to the northeast of the fjord.

5.2.2 - Legal conservation status

National legal designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|--|--------------|---|--------------------------|
| Area important to wildlife (Anon. 2000) | | https://www.govmin.gl/images/Doc uments/Environment/rules_for_fie Idwork.pdf, https://gis.au.dk/RDImportantAre as/ | partly |
| Ramsar site | lkkattoq | http://lovgivning.gl/lov?rid={15 CBC689- E3AD-470D-B32A-947A250D70 62} | whole |
| regulation of traffic at seabird breeding colonies | | http://lovgivning.gl/lov?rid={56 675241- AOB5-4D4E-89F9-C34D784175 39} | partly |

Non-statutory designations

| Designation type | Name of area | Online information url | Overlap with Ramsar Site |
|---------------------|----------------|--|--------------------------|
| Important Bird Area | GL040 lkkattoq | http://datazone.birdlife.org/sit e/factsheet/59 | whole |

| 5.2.3 - IUCN protected areas categories (200 | 5.2 | .3 - | IUCN | protected | areas cated | ories | (2008) |
|--|-----|------|-------------|-----------|-------------|-------|--------|
|--|-----|------|-------------|-----------|-------------|-------|--------|

| la 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 |
| Il Natural Monument: protected area managed mainly for conservation of specific natural features |
| V Habitat/Species Management Area: protected area managed mainly for conservation through management intervention |
| / Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation |
| Managed Resource Protected Area: protected area managed mainly for the sustainable use of natural ecosystems |

5.2.4 - Key conservation measures

Legal protection

| Measures | Status |
|------------------|-------------|
| Legal protection | Implemented |

Other:

Low level flying over the site and traffic near seabird breeding colonies is regulated.

5.2.5 - Management planning

Is there a site-specific management plan for the site? No

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

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning Yes O No

processes with another Contracting Party?

5.2.6 - Planning for restoration

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

5.2.7 - Monitoring implemented or proposed

| Manitaring proposed by Egovena & Poortmann 2001 | |
|---|--|
| Monitoring proposed by Egevang & Boertmann 2001 | |
| | |
| | |

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Anonymous 2000. Rules for fieldwork and reporting regarding mineral resources (excluding hydrocarbons) in Greenland. – Government of Greenland, Bureau of Minerals and Petroleum.

Bay, C. 1997. Floristic division and vegetation zonation of Greenland in relevance to a circumpolar arctic vegetation map: 27-31. In: Proceedings of the second circumpolar arctic vegetation mapping workshop, Arendal, Norway, 19.-24. May 1996. Walker, S. & A.C. Lillie, eds.). – Occasional Paper No. 52, 1997. Institute of Arctic and Alpine Research, University of Colorado.

Boertmann, D. & Mosbech, A. 2001. Important summer concentrations of seaducks in West Greenland. An input to oil spill sensitivity mapping. – National Environmental Research Institute, Denmark, NERI Technical Report no. 345: 1-48.

Egevang, C. & Boertmann, D. 2001. The Greenland Ramsar Sites, a status report. – National Environmental Research Institute (NERI), Technical Report No. 346, 96 pp.

Greenland Red List 2007. (Boertmann, D., 2008). Rødliste 2007 over planter og dyr i Grønland. ¬– Danmarks Miljøundersøgelser, Grønlands Hjemmestyre.

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

<1 file(s) uploaded>

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:



White-tailed Eagle nest overlooking the western part of the site. (*David Boertmann*, 08-08-1985)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 1988-01-27