



Eisbericht Nr. 83

Amtsblatt des BSH

Jahrgang 98

Nr. 83

Friday, 04.04.2025

1

Übersicht

In der Bottenwiek liegt in den nördlichen Schären 20–70 cm dickes Festeis und in den südlichen Schären bis 35 cm dickes, teilweise morsches Festeis. Auf See treibt im Nordosten bis 60 cm dickes, sehr dichtes, teilweise aufgeschobenes oder aufgepresstes Eis. Das Eis ist örtlich sehr zu passieren. Ansonsten ist es auf See meist eisfrei. In Norra Kvarken liegt bis 40 cm dickes, morsches Eis in den Schären. Auf See ist es eisfrei. In der nördlichen Bottensee kommt entlang der Küste örtlich morsches Eis in Buchten vor. Im Süden ist es eisfrei. Im östlichen Finnischen Meerbusen kommt im Osten und Nordosten offenes Wasser vor.

Overview

In the Bay of Bothnia, there is 20–70 cm thick fast ice in the northern archipelagos and up to 35 cm thick, partly rotten fast ice in the southern archipelagos. At sea in the northeast, there is up to 60 cm thick, very close and partly ridged and rafted ice. The ice field is at places difficult to force. Else at sea it is mostly ice-free. In the Quark, there is up to 40 cm rotten ice in the inner archipelagos. The sea is ice-free. Along the coast of the northern Sea of Bothnia there is rotten ice at places in inner bays. Along the southern coast it is ice-free. At the eastern and north-eastern coast of the Gulf of Finland, there is mainly open water.

Bay of Bothnia

In the northern Bay of Bothnia, there is 20–70 cm thick fast ice to Kemi 3 and Oulu 3 in the east. At sea east of about the line Malören – Nahkiainen, there is 20–60 cm thick, ridged and rafted, very close ice. Further west to about the line Töre – Kalajoki, there is very close, 15–40 cm thick ice. The ice field is in places difficult to force. Off the fast ice in the northwest, there is very open ice or open water. In the southern Bay of Bothnia, there

is up to 35 cm thick, partly rotten fast ice in the archipelagos. Further out in the east is open water. The sea is ice-free.

With temperatures mostly around 0 °C no larger changes are expected over the weekend but with night frost some ice may form at sheltered places. The wind is expected mainly from the north so that the ice will drift to the south.

The Quark

In the Vaasa archipelago there is 15–40 cm thick rotten fast ice. The Vaasa fairway is open. Along the Swedish coast there is 15–35 cm partly rotten fast ice in bays. The sea is ice-free.

Over the weekend ice melt will continue with temperatures mostly above 0 °C but night frost may occur.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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Sea of Bothnia

In the east, there is rotten ice at places along the coast north of Kristiinankaupunki. Further south it is ice-free. In the west, there are remnants of rotten ice in inner bays north of about Hudiksvall and in

Ångermanälven. In the south, it is ice-free.

Over the weekend ice melt will continue with temperatures mostly above 0 °C but in the north night frost may occur.

Gulf of Finland

Along the north-eastern coast, in Vyborg Bay, to St. Petersburg and north of Kotlin is mainly open water with remnants of rotten ice at some sheltered places. In Lake Saimaa, there is 10–50 cm

thick rotten or rotting ice with opening at places.

With temperatures dropping to around 0 °C over the weekend no larger changes are expected. Minor ice formation may occur during nighttime.

W. Aldenhoff

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio, Kemi and Oulu	2000 dwt	IA	12.02.
	Raahe	2000 dwt	IA	02.03.
	Kalajoki	2000 dwt	I	07.01.
	Kokkola and Pietarsaari	2000 dwt	I	07.01.
	Lake Saimaa and Saimaa Canal	2000 dwt	IB	01.04.
	Lake Saimaa and Saimaa Canal	2000 dwt	I	05.04.
Sweden	Karlsborg	4000 dwt	IA	11.02.
	Luleå	2000 dwt	IA	12.02.
	Haraholmen and Skelleftehamn	2000 dwt	IB	12.02.
	Holmsund	2000 dwt	II	17.03.
	Ångermanälven	2000 dwt	IB	31.03.

Finland/Sweden

Vessels bound for Gulf of Bothnia ports in which assistance restrictions apply, shall when passing latitude 60° 00' N report their nationality, name, destination, ETA and speed to ICE INFO on VHF channel 82. This report can also be given directly by telephone to +46 10 492 7600.

Vessels bound for Finnish or Swedish ports with assistance restrictions in the Quark or the Bay of Bothnia shall, 20 nautical miles before Nordvalen Lighthouse (63° 32.15' N 20° 46.60' E), report in accordance with the instructions for winter navigation to Bothnia VTS on VHF channel 67.

Icebreakers: YMER, IDUN, KONTIO, OTSO, SISU, ZEUS and POLARIS assist in the Bay of Bothnia. TYRSKY assists in the Lake Saimaa.

Baltic Sea Ice Code

First number: A_B Amount and arrangements of sea ice 0 Ice free 1 Open water – concentration less than 1/10 2 Very open ice – concentration 1/10 to 3/10 3 Open ice – concentration 4/10 to 6/10 4 Close ice – concentration 7/10 to 8/10 5 Very close ice – concentration 9/10 to 9+/10 6 Compact ice, including consolidated ice – concentration 10/10 7 Fast ice with drift ice outside 8 Fast ice 9 Lead in very close or compact drift ice or along the fast ice edge / Unable to report Third number: T_B Topography or form of ice 0 Pancake ice, ice cakes, brash ice – less than 20 m across 1 Small ice floes – 20 to 100 m across 2 Medium ice floes – 100 to 500 m 3 Big ice floes – 500 to 2000 m across 4 Vast or giant ice floes – more than 2000 m across – or level ice 5 Rafted ice 6 Compact slush or shuga, or compacted brash ice 7 Hummocked or ridged ice 8 Thaw holes or many puddles on the ice 9 Rotten ice / No information or unable to report	Second number: S_B Stage of ice development 0 New ice or dark nilas (less than 5 cm thick) 1 Light nilas (5 - 10 cm thick) or ice rind 2 Grey ice (10 - 15 cm thick) 3 Grey-white ice (15 - 30 cm thick) 4 White ice, first stage (30 - 50 cm thick) 5 White ice, second stage (50 - 70 cm thick) 6 Medium first year ice (70 - 120 cm thick) 7 Ice predominantly thinner than 15 cm with some thicker ice 8 Ice predominantly grey-white ice (15 - 30 cm) with some thicker ice 9 Ice predominantly thicker than 30 cm with some thinner ice / No information or unable to report Fourth number: K_B Navigation conditions in ice 0 Navigation unobscured 1 Navigation difficult or dangerous for wooden vessels without ice sheathing 2 Navigation difficult for unstrengthened or low-powered vessels built of iron or steel. Navigation for wooden vessels even with ice sheathing not advisable 3 Navigation without icebreaker assistance possible only for high-powered vessels of strong construction and suitable for navigation in ice 4 Navigation proceeds in lead or broken ice-channel without the assistance of an icebreaker 5 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size 6 Icebreaker assistance can only be given to vessels of special ice class and of special size 7 Icebreaker assistance can only be given to vessels after special permission 8 Navigation temporarily closed 9 Navigation has ceased / Unknown
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Finland, 04.04.2025

Röyttä – Etukari	8546
Etukari – Ristinmatala	6456
Ajos – Ristinmatala	6456
Ristinmatala – Kemi 2	6456
Kemi 2 – Kemi 1	5476
Sea area SW of Kemi 1	5476
Kemi 2 – Ulkokrunni – Virpiniemi	6456
Oulu harbours – Kattilankalla	8546
Kattilankalla – Oulu 1	6456
Sea area SW of Oulu 1	5476
High Sea N of the latitude of Marjaniemi	5476
Raahe harbour – Heikinkari	8346
Heikinkari – Raahe lighthouse	7476
Raahe lighthouse – Nahkiainen	5476
Latitude Marjaniemi – Ulkokalla, Sea	5476
Rahja harbour – Välimatala	1706
Vaelimatala to line Ulkokalla – Ykskivi	0//6
Sea betw. lat. of Ulkokalla – Pietarsaari	0//6
Ykspihlaja – Repskär	1706
Repskär – Kokkola lighthouse	1706
Pietarsaari – Kallan	1706
Vaskiluoto – Ensten	1702
Ensten – Vaasa lighthouse	1702

Russian Federation, 03.04.2025

Vyborg, port and bay	310/
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Sweden, 04.04.2025

Karlsborg – Malören	8546
Sea area off Malören	5456
Luleå – Björnklack	8546
Björnklack – Farstugrunden	2326
Sandgrönn fairway	2326
Rödkallen – Norströmsgrund	2326
Haraholmen – Nygrån	1306
Örnsköldsvik – Hörnskatan	1101
Ångermanälven north Sandö Bridge	8494
Ångermanälven south Sandö Bridge	1204
Hudiksvallfjärden	8392
Karlsborg – Malören	8546
Sea area off Malören	5456
Luleå – Björnklack	8546
Björnklack – Farstugrunden	2326
Sandgrönn fairway	2326
Rödkallen – Norströmsgrund	2326
Haraholmen – Nygrån	1306
Örnsköldsvik – Hörnskatan	1101
Ångermanälven north Sandö Bridge	8494
Ångermanälven south Sandö Bridge	1204
Sundsvall – Draghällan	1201
Hudiksvallfjärden	8392
Iggesund – Agö	2221