



Eisbericht Nr. 81

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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 schwer zu passieren. Ansonsten ist es auf See meist eisfrei. In Norra Kvarken liegt bis 40 cm dickes, morsches Festeis in den Schären. Auf See ist es eisfrei. In der nördlichen Bottensee kommt entlang der Küste meist morsches Festeis vor. Im Süden ist es eisfrei. Im östlichen Finnischen Meerbusen kommt im Osten und Nordosten örtlich morsches Festeis 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 rotting fast ice in the inner archipelagos. The sea is ice-free. Along the coast of the northern Sea of Bothnia there is mostly rotten fast ice 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 rotten ice in sheltered areas.

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 drift ice of varying

concentration. Else at sea, there is open water or it is ice-free. In the southern Bay of Bothnia, there is up to 35 cm thick, partly rotten fast ice in the archipelagos. Further out is open water. The sea is ice-free.

With air temperatures mostly above 0 °C slow ice melt will continue the coming day. The ice will drift increasingly in easterly directions.

The Quark

In the Vaasa archipelago there is 15–40 cm thick rotten fast ice. On the fairway is open water but drifting floes may be present at places. Along the Swedish coast there is 15–35 cm partly rotten fast

ice in bays. The sea is ice-free.

With air temperatures above 0 °C ice melt will continue the coming day.

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 along the coast north of Kristiinankaupunki. Further south it is ice-free. In the west, there is 5–35 cm thick partly rotten fast ice in sheltered places north of Söderhamn. In

Ångermanälven is 10–40 cm thick rotten ice. With air temperatures above 0 °C ice melt will continue the coming day.

Gulf of Finland

From St Petersburg to the dike and further west, there is mostly open water. North of Kotlin, there is very close drift ice along the coast. In Vyborg Bay there is rotten fast ice and open water in the entrance. In the eastern part of the northern coast, there is rotten fast ice. In Lake Saimaa, there is

10–50 cm thick rotten or rotting ice with opening at places. With air temperatures above 0 °C and maximum day temperatures above 5 °C the ice melt will continue the coming day.

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.
	Vaasa	2000 dwt	II	21.03.
	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.

According to FMI weather forecast there is a high risk of strong winds (20m/s) and that the ice-breaking assistance will be temporarily suspended on Thursday 3.4.2025 around noon time to the ports of Tornio, Kemi, Oulu and Raahe due to high pressure in the ice-field. Situation will be monitored and new announcement issued when necessary. For more information please contact Finnish winter navigation management +358 (0) 50 471 48 50 or winternavigation@vayla.fi

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

Russia

Icebreakers: MUDJUG assists vessels to the port of St. Petersburg. K. IZMAYLOV assists to Vyborg and Vysotsk.

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, 02.04.2025

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	1706
Sea betw. lat. of Ulkokalla – Pietarsaari	1706
Ykspihlaja – Repskär	1706
Repskär – Kokkola lighthouse	1706
Pietarsaari – Kallan	8396
Sea area off Kallan	0//6
Vaskiluoto – Ensten	8395
Ensten – Vaasa lighthouse	1705
Kaskinen – Sälgrund	1001
Sea area off Sälgrund	1001

Russian Federation, 02.04.2025

Vyborg, port and bay	510/
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Sweden, 02.04.2025

Karlsborg – Malören	8546
Sea area off Malören	5456
Luleå – Björnklack	8546
Sandgrönn fairway	2326
Haraholmen – Nygrån	2326
Skelleftehamn – Gåsören	1306
Sea area off Gåsören	1306
Sea area off Bjuröklubb	1306
Örnsköldsvik – Hörnskatan	1101
Ångermanälven north Sandö Bridge	8494
Ångermanälven south Sandö Bridge	1204
Sundsvall – Draghallan	1201
Hudiksvallfjärden	8392
Ilggesund – Agö	2221