



Eisbericht Nr. 93

Amtsblatt des BSH

Jahrgang 98

Nr. 93

Tuesday, 22.04.2025

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Übersicht

In der Bottenwiek liegt in den nördlichen Schären 20–80 cm dickes, teilweise morsches Festeis. Auf See treibt im Nordosten bis 60 cm dickes, dichtes bis sehr dichtes, teilweise aufgeschobenes oder aufgepresstes Eis. Ansonsten ist es auf See eisfrei. In der südlichen Bottenwiek ist es eisfrei. Norra Kvarken ist meist eisfrei.

Overview

In the Bay of Bothnia, there is 20–80 cm thick, partly rotten fast ice in the northern archipelagos. At sea in the northeast, there is up to 60 cm thick, close to very close and partly ridged and rafted ice. Else at sea it is ice-free. The southern Bay of Bothnia is ice-free. The Quark is mostly ice-free.

Bay of Bothnia

In the northern Bay of Bothnia, there is 40–80 cm thick fast ice from Luleå to north of Oulu. Further south the fast ice is rotten to Piteå and north of Raahe. At sea east of about 23°00E, there is 15–60 cm thick, ridged and rafted, close to very close ice. Along the ice edge is open water. In the

southern Bay of Bothnia south of about Kalajok, it is ice-free.

With air temperatures above 0 °C during daytime ice melt will continue the coming day. The ice will drift first slightly to northwest and later to northeast.

The Quark

The Quark is mostly ice-free with minor remnants of ice in few Swedish bays.

With air temperatures above 5 °C during daytime ice melt will continue the coming day.

Gulf of Finland

The Gulf of Finland is ice-free. In southern Lake Saimaa, there is rotten ice with areas of open water due to currents. In northern Lake Saimaa, there is ice 10–40 cm thick rotting ice with open water in

areas of stronger currents.

With air temperatures during daytime mostly above 5 °C ice melt will continue the coming day.

W. Aldenhoff

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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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	II	08.04.
	Lake Saimaa and Saimaa Canal	2000 dwt	II	10.04.
Sweden	Karlsborg	2000 dwt	IA	08.04.
	Luleå	2000 dwt	IA	12.02.
	Haraholmen and Skelleftehamn	2000 dwt	IC	08.04.

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, ALE, KONTIO, OTSO, SISU 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, 21.04.2025

Röyttä – Etukari	8546
Etukari – Ristinmatala	7476
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	8596
Kattilankalla – Oulu 1	6456
Sea area SW of Oulu 1	5476
High Sea N of the latitude of Marjaniemi	5476
Raahe harbour – Heikinkari	2326
Heikinkari – Raahe lighthouse	5476
Raahe lighthouse – Nahkiainen	5476
Latitude Marjaniemi – Ulkokalla, Sea	5476

Sweden, 22.04.2025

Karlsborg – Malören	8646
Sea area off Malören	4456
Luleå – Björnklack	8596