



BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE

Eisbericht Nr. 106

Amtsblatt des BSH

Jahrgang 98	Nr. 106	Monday, 12.05.2025	1
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Übersicht

In der Bottenwiek liegt in den nordöstlichen Schären morsches Festeis oder offenes Wasser. Auf See befindet sich im Osten von nördlich von Hailuoto bis Kalajoki 10–50 cm dickes Treibeis. Ansonsten ist es auf See eisfrei.

Overview

In the Bay of Bothnia, there is rotten fast ice or open water in the north-eastern archipelagos. At sea in the east, there is very close, 10–50 cm thick drift ice from north of Hailuoto to Kalajoki. Else at sea it is ice-free.

Bay of Bothnia

In the archipelagos of the northern Bay of Bothnia it is mainly ice free from Piteå to west of Karlsborg. Further east, there is rotten fast ice and open water further out. On Tornio and Kemi fairways is open water. From Oulu 4 to Oulun portti and from Tauvo southwards to 8 nautical miles west of Nahkiainen

and to Kalajoki there is 10-50 cm thick mostly very close and close ice. Further out at sea it is ice-free. The southern Bay of Bothnia is ice-free. With air temperatures above 0 °C ice melt will continue the next day. The ice will drift in southerly directions.

X. Lange

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio and Kemi	2000 dwt	II	09.05.
	Oulu	2000 dwt	I	05.05.
	Raahe	2000 dwt	I	09.05.
	Kalajoki	2000 dwt	II	05.05.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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Eisankünfte / Ice Information

Telefon: +49 (0) 381 4563 -780

Telefax: +49 (0) 381 4563 -949

E-Mail: ice@bsh.de

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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: ALE, KONTIO and POLARIS assist in the Bay of Bothnia.

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, 12.05.2025

Röyttä – Etukari	1305
Etukari – Ristinmatala	1305
Ajos – Ristinmatala	1305
Ristinmatala – Kemi 2	1305
Kemi 2 – Ulkokrunni – Virpiniemi	2306
Oulu harbours – Kattilankalla	1306
Kattilankalla – Oulu 1	5456
Sea area SW of Oulu 1	5456
Raahe harbour – Heikinkari	2456
Heikinkari – Raahe lighthouse	3456
Raahe lighthouse – Nahkiainen	5456
Latitude Marjaniemi – Ulkokalla, Sea	5456
Rahja harbour – Välimatala	5455
Vaelimatala to line Ulkokalla – Ykskivi	3335

Sweden, 12.05.2025

Karlsborg – Malören	1402
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