



# Eisbericht Nr. 100

## Amtsblatt des BSH

Jahrgang 98

Nr. 100

Friday, 02.05.2025

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### Übersicht

In der Bottenwiek liegt in den nördlichen Schären 30–60 cm dickes, teilweise morsches Festeis. Außerhalb des Festeises treibt im Norden örtlich 10–50 cm dickes, dichtes bis sehr dichtes Eis und ansonsten offenes Wasser. Weiter südlich befindet sich auf See im Nordosten bis 50 cm dickes, sehr dichtes, teilweise aufgeschobenes oder aufgepresstes Eis. Ansonsten ist es auf See eisfrei.

### Overview

In the Bay of Bothnia, there is 30–60 cm thick, partly rotten fast ice in the northern archipelagos. Off the fast ice in the north, there is locally 10–50 cm thick, close and very close ice and else open water. Further south at sea in the northeast, there is up to 50 cm thick, very close and partly ridged and rafted ice. Else at sea it is ice-free.

### Bay of Bothnia

In the northern Bay of Bothnia there is 30–60 cm thick rotten and rotting fast ice to Keila, Ajos and Kattilankalla. On the Kemi fairway first floes broken off from fast ice approximately to Lallinmöyly and then open water to northeast of Kemi 1. On the Oulu fairway is mostly open water to Kattilankalla but in places drifting floes. Further out 10–50 cm thick partly ridged close and very close ice to

Bothnia buoy and Nahkiainen. The ice field is rotting and there are openings. In the southern Bay of Bothnia rotten drift ice with varying concentration off Kalajoki to approximately Ulkokalla. Elsewhere ice-free.

With air temperatures above 0 °C during daytime, ice melt will continue over the weekend. The ice will drift to the south.

### Gulf of Finland

The Gulf of Finland is ice-free. In the Lake Saimaa, there is rotten ice in places in the northern parts. Southern Saimaa is practically ice-free.

With air temperatures during daytime mostly above 5 °C, ice melt will continue over the weekend.

X. Lange

### Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

[www.bsh.de/eis](http://www.bsh.de/eis)

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### Restrictions to Navigation

|                | Harbour/District             | At least<br>dwt/hp/kW | Ice Class | Begin  |
|----------------|------------------------------|-----------------------|-----------|--------|
| <b>Finland</b> | Tornio, Kemi and Oulu        | 2000 dwt              | IA        | 12.02. |
|                | Raahe                        | 2000 dwt              | IA        | 02.03. |
|                | Kalajoki                     | 2000 dwt              | I         | 07.01. |
|                | Lake Saimaa and Saimaa Canal | 2000 dwt              | II        | 10.04. |
| <b>Sweden</b>  | 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:** IDUN, ALE, KONTIO, OTSO and POLARIS assist in the Bay of Bothnia. TYRSKY assists in the Lake Saimaa.

### Baltic Sea Ice Code

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| <p>First number:</p> <p><b>A<sub>B</sub> Amount and arrangements of sea ice</b></p> <p>0 Ice free</p> <p>1 Open water – concentration less than 1/10</p> <p>2 Very open ice - concentration 1/10 to 3/10</p> <p>3 Open ice – concentration 4/10 to 6/10</p> <p>4 Close ice – concentration 7/10 to 8/10</p> <p>5 Very close ice – concentration 9/10 to 9+10</p> <p>6 Compact ice, including consolidated ice – concentration 10/10</p> <p>7 Fast ice with drift ice outside</p> <p>8 Fast ice</p> <p>9 Lead in very close or compact drift ice or along the fast ice edge</p> <p>/ Unable to report</p> <p>Third number:</p> <p><b>T<sub>B</sub> Topography or form of ice</b></p> <p>0 Pancake ice, ice cakes, brash ice – less than 20 m across</p> <p>1 Small ice floes – 20 to 100 m across</p> <p>2 Medium ice floes – 100 to 500 m</p> <p>3 Big ice floes – 500 to 2000 m across</p> <p>4 Vast or giant ice floes – more than 2000 m across – or level ice</p> <p>5 Rafted ice</p> <p>6 Compact slush or shuga, or compacted brash ice</p> <p>7 Hummocked or ridged ice</p> <p>8 Thaw holes or many puddles on the ice</p> <p>9 Rotten ice</p> <p>/ No information or unable to report</p> | <p>Second number:</p> <p><b>S<sub>B</sub> Stage of ice development</b></p> <p>0 New ice or dark nilas (less than 5 cm thick)</p> <p>1 Light nilas (5 - 10 cm thick) or ice rind</p> <p>2 Grey ice (10 - 15 cm thick)</p> <p>3 Grey-white ice (15 - 30 cm thick)</p> <p>4 White ice, first stage (30 - 50 cm thick)</p> <p>5 White ice, second stage (50 - 70 cm thick)</p> <p>6 Medium first year ice (70 - 120 cm thick)</p> <p>7 Ice predominantly thinner than 15 cm with some thicker ice</p> <p>8 Ice predominantly grey-white ice (15 – 30 cm) with some thicker ice</p> <p>9 Ice predominantly thicker than 30 cm with some thinner ice</p> <p>/ No information or unable to report</p> <p>Fourth number:</p> <p><b>K<sub>B</sub> Navigation conditions in ice</b></p> <p>0 Navigation unobscured</p> <p>1 Navigation difficult or dangerous for wooden vessels without ice sheathing</p> <p>2 Navigation difficult for unstrengthened or low-powered vessels built of iron or steel. Navigation for wooden vessels even with ice sheathing not advisable</p> <p>3 Navigation without icebreaker assistance possible only for high-powered vessels of strong construction and suitable for navigation in ice</p> <p>4 Navigation proceeds in lead or broken ice-channel without the assistance of an icebreaker</p> <p>5 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size</p> <p>6 Icebreaker assistance can only be given to vessels of special ice class and of special size</p> <p>7 Icebreaker assistance can only be given to vessels after special permission</p> <p>8 Navigation temporarily closed</p> <p>9 Navigation has ceased</p> <p>/ Unknown</p> |
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**Finland, 02.05.2025**

|                                          |      |
|------------------------------------------|------|
| Röyttä – Etukari                         | 8496 |
| Etukari – Ristinmatala                   | 7456 |
| Ajos – Ristinmatala                      | 7456 |
| Ristinmatala – Kemi 2                    | 1416 |
| Kemi 2 – Kemi 1                          | 3336 |
| Sea area SW of Kemi 1                    | 5456 |
| Kemi 2 – Ulkokrunni – Virpiniemi         | 6456 |
| Oulu harbours – Kattilankalla            | 2396 |
| Kattilankalla – Oulu 1                   | 5456 |
| Sea area SW of Oulu 1                    | 5456 |
| High Sea N of the latitude of Marjaniemi | 5456 |
| Raahe harbour – Heikinkari               | 2356 |
| Heikinkari – Raahe lighthouse            | 5456 |
| Raahe lighthouse – Nahkiainen            | 5456 |
| Latitude Marjaniemi – Ulkokalla, Sea     | 5456 |
| Rahja harbour – Välimatala               | 1306 |
| Välimatala to line Ulkokalla – Ykskivi   | 0//6 |
| Sea betw. lat. of Ulkokalla –Pietarsaari | 0//6 |

**Sweden, 02.05.2025**

|                      |      |
|----------------------|------|
| Karlsborg – Malören  | 8596 |
| Sea area off Malören | 1406 |
| Luleå – Björnklack   | 8596 |
| Sandgrönn fairway    | 1506 |