



# Eisbericht Nr. 107

## Amtsblatt des BSH

Jahrgang 98

Nr. 107

Tuesday, 13.05.2025

1

### 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 10–40 cm dickes, dichtes bis sehr dichtes Treibeis umgeben von offenem Wasser. 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 from north of Hailuoto to Kalajoki, there is 10–40 cm thick, close to very close drift ice surrounded by open water. Else at sea it is ice-free.

### Bay of Bothnia

In the archipelagos of the northern Bay of Bothnia from about Karlsborg to east of Kemi, 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 5 nautical miles west of Nahkiainen and to Kalajoki

there is 10–40 cm thick, mostly very close and close ice. Around the ice is open water with very open ice at places. Else at sea it is ice free. With air temperatures above 0 °C ice melt will continue the next day. The ice will drift first to the northeast and later to the southeast.

W. Aldenhoff

### Restrictions to Navigation

|         | Harbour/District | At least<br>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](http://www.bsh.de/eis)[www.bsh.de/ice](http://www.bsh.de/ice)

© BSH - Alle Rechte vorbehalten

Nachdruck, auch auszugsweise, verboten

#### Eisauskünfte / Ice Information

Telefon: +49 (0) 381 4563 -780

Telefax: +49 (0) 381 4563 -949

E-Mail: [ice@bsh.de](mailto:ice@bsh.de)

© BSH - All rights reserved

Reproduction in whole or in part prohibited

### 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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Finland, 13.05.2025

|                                          |      |
|------------------------------------------|------|
| Röyttä – Etukari                         | 1305 |
| Etukari – Ristinmatala                   | 1305 |
| Ajos – Ristinmatala                      | 1305 |
| Ristinmatala – Kemi 2                    | 1305 |
| Kemi 2 – Kemi 1                          | 1305 |
| Kemi 2 – Ulkokrunni – Virpiniemi         | 4395 |
| Oulu harbours – Kattilankalla            | 1306 |
| Kattilankalla – Oulu 1                   | 4356 |
| Sea area SW of Oulu 1                    | 4356 |
| High Sea N of the latitude of Marjaniemi | 1306 |
| Raahe harbour – Heikinkari               | 1306 |
| Heikinkari – Raahe lighthouse            | 5356 |
| Raahe lighthouse – Nahkiainen            | 5356 |
| Latitude Marjaniemi – Ulkokalla, Sea     | 5356 |
| Rahja harbour – Välimatala               | 1305 |
| Vaelimatala to line Ulkokalla – Ykskivi  | 1305 |

#### Sweden, 13.05.2025

|                     |      |
|---------------------|------|
| Karlsborg – Malören | 1402 |
|---------------------|------|