



# Eisbericht Nr. 64

## Amtsblatt des BSH

Jahrgang 98

Nr. 64

Monday, 10.03.2025

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### Übersicht

In der Bottenwiek liegt in den nördlichen Schären 20–70 cm dickes Festeis und in den südlichen Schären bis 40 cm dickes 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 befindet sich auf See zumeist offenes Wasser. In Norra Kvarken liegt bis 45 cm dickes Festeis in den Schären. Auf See befindet sich offenes Wasser. In der Bottensee kommt entlang der Küste Festeis vor. Im östlichen Finnischen Meerbusen kommt 20–35 cm dickes Festeis bis Kotlin vor, sowie sehr dichtes Eis weiter westlich. In der Vyborg-Bucht liegt bis 30 cm dickes Festeis. Entlang der nördlichen Küste kommt Festeis und dünnes, ebenes Eis vor. Reste von sehr dichtem Eis befinden sich in der Pärnuer Bucht.

### Overview

In the Bay of Bothnia, there is 20–70 cm thick fast ice in the northern archipelagos and up to 40 cm thick 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. Else at sea is mainly open water. In the Quark, there is up to 45 cm thick fast ice in the inner archipelagos. At sea, there is open water. Along the coast of the Sea of Bothnia there is fast ice in inner bays. In the eastern Gulf of Finland, there is 20–35 cm thick fast ice to Kotlin and very close ice further west. In the Vyborg Bay, there is up to 30 cm thick fast ice. Along the northern coast, there is fast ice or thin level ice. Very close ice is present in Pärnu Bay.

### 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 23°10'E, there is 10–60 cm thick, ridged and rafted, very close ice to about 64°25'N in the south. Off the fast ice in the western part is very open ice and close ice to about Simpggrund.

Else at sea is mainly open water. In the southern Bay of Bothnia, there is up to 40 cm thick fast ice in the archipelagos and very open ice further out. At sea, there is open water.

With mostly light frost some new ice formation is expected the coming day.

### The Quark

In the Vaasa archipelago, there is 20–45 cm thick fast ice to Ensten and very open ice further out. Along the Swedish coast, there is 15–35 cm fast

ice in bays. At sea, there is open water.

With mostly light frost some new ice formation is possible in sheltered areas the coming day.

### 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)

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### **Sea of Bothnia**

In the east, there is 5–20 cm thick fast ice or open ice along the coast. Further out is open water. In the west, there is up to 30 cm thick fast ice in sheltered places. On Ångermanälven there is 10-40 cm

thick fast ice.

With temperatures around 0°C no larger changes are expected the coming day.

### **Åland Sea**

Open water is present in bays and archipelagos.

With temperatures around 0°C no larger changes are expected the coming day.

### **Archipelago Sea**

In the inner archipelagos, there is open water.

With temperatures around 0°C no larger changes are expected the coming day.

### **Gulf of Finland**

From St Petersburg to Kotlin, there is fast ice, 10–35 cm thick. Further west, there is very close, partly rafted, up to 25 cm thick ice with open water further out. In Vyborg Bay, there is 15–30 cm thick fast ice. Along the northern coast, there is thin

level ice or fast ice in sheltered places, up to 20 cm thick. Further out is open water.

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

### **Gulf of Riga**

In Pärnu Bay, there is 5–15 cm thick, very close ice to the line Valgeranna-Uulu with thaw holes.

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

X. Lange

## 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.        |
|                | Kokkola, Pietarsaari and Vaasa                | 2000 dwt              | I            | 07.01.        |
|                | Kaskinen, Kotka and Hamina                    | 2000 dwt              | II           | 07.01.        |
|                | Lake Saimaa and Saimaa Canal                  | 2000 dwt              | IA           | 16.02.        |
| <b>Russia</b>  | Vyborg                                        | -                     | Ice 1        | 15.02.        |
|                | Vysotsk                                       | -                     | Ice 1        | 15.02.        |
|                | St. Petersburg                                | -                     | Ice 1        | 25.02.        |
|                | <b>Ust-Luga</b>                               | -                     | <b>Ice 1</b> | <b>12.03.</b> |
| <b>Sweden</b>  | Karlsborg                                     | 4000 dwt              | IA           | 11.02.        |
|                | Luleå                                         | 2000 dwt              | IA           | 12.02.        |
|                | Haraholmen and Skelleftehamn                  | 2000 dwt              | IB           | 12.02.        |
|                | Holmsund                                      | 2000 dwt              | I            | 17.02.        |
|                | Rundvik, Husum, Örnsköldsvik and Köpmanholmen | 2000 dwt              | II           | 04.03.        |
|                | Ångermanälven                                 | 2000 dwt              | IA           | 22.01.        |
|                | Härnösand, Söråker, Sundsvall                 | 2000 dwt              | II           | 04.03.        |

**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.

The traffic separation scheme in the Quark is temporarily out of use due to ice conditions from 17th February.

**Icebreakers:** FREJ, ODEN, **IDUN**, YMER, KONTIO, ATLE, OTSO, SISU and POLARIS assist in the Bay of Bothnia. ZEUS assists in the Quark and in the southern Bay of Bothnia.

**Russia**

From 15th of February tow boat-barges will not be assisted to Vyborg and Vysotsk. Vessels without ice class may navigate with icebreaker assistance only.

From 25th of February tow boat-barges will not be assisted to St. Petersburg. Vessels without ice class may navigate with icebreaker assistance only.

From **12th of March** tow boat-barges will not be assisted to Ust-Luga. Vessels without ice class may navigate with icebreaker assistance only.

**Icebreakers:** SEMYON DEZHNEV, KAPITAN PLACHIN and MUDJUG assist vessels to the port of St. Petersburg. K. IZMAYLOV assists to Vyborg and Vysotsk. KAPITAN NIKOLAEV assists to Primorsk.

### 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> |
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#### Estonia, 10.03.2025

Paernu, port and bay 2232

#### Finland, 10.03.2025

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 7356

Raahe lighthouse – Nahkiainen 5356

Latitude Marjaniemi – Ulkokalla, Sea 5476

Rahja harbour – Välimatala 7356

Vaelimatala to line Ulkokalla – Ykskivi 1706

Sea betw. lat. of Ulkokalla – Pietarsaari 1706

Ykspihlaja – Repskär 7356

Repskär – Kokkola lighthouse 1706

Sea area off Kokkola lighthouse 1706

Pietarsaari – Kallan 7356

Sea area off Kallan 1706

Sea lat. Pietarsaari – NE Nordvalen 1706

Sea area ENE of Nordvalen 1706

Sea area Nordvalen to W of Norrskär 1706

Vaskiluoto – Ensten 8846

Ensten – Vaasa lighthouse 2706

Vaasa lighthouse – Norrskär 1706

Kaskinen – Sälgrund 1705

Sea area off Sälgrund 1705

Inkoo a. Kantvik – sea area Porkkala 1001

Valko Harbour – Täktarn 5142

Archipelago fairway Boistö – Glosholm 1101

Kotka – Viikari 5142

Viikari – Orrengrund 1101

Hamina – Suurmusta 5145

Suurmusta – Merikari 5145

Merikari – Kaunissaari 1105

#### Russian Federation, 10.03.2025

Port of St. Petersburg 530/

St. Petersburg – E-point island Kotlin 530/

E-point Kotlin – long. lighth. Tolbuhkin 530/

Lighth. Tolbuhkin – lighth. –Šepelevskij 520/

Vyborg, port and bay 830/

Island Vichrevoj – Island Sommers 510/

E-point Bol'šoj Ber'ozovyj – Šepelevskij 510/

#### Sweden, 10.03.2025

Karlsborg – Malören 8546

Sea area off Malören 5576

Luleå – Björnklack 8546

Björnklack – Farstugrunden 4456

|                                  |      |
|----------------------------------|------|
| E and SE of Farstugrunden        | 4456 |
| Sandgrönn fairway                | 8446 |
| Rödkallen – Norströmsgrund       | 2326 |
| Haraholmen – Nygrån              | 8446 |
| Sea area off Nygrån              | 1306 |
| Skelleftehamn – Gåsören          | 8446 |
| Sea area off Gåsören             | 1306 |
| Sea area off Bjuröklubb          | 1306 |
| NE of Nordvalen                  | 1306 |
| SW of Nordvalen                  | 1306 |
| Western Quark (W of Holmöarna)   | 1306 |
| Umeå – Väktaren                  | 1306 |
| SE of Väktaren                   | 1306 |
| Fairway to Husum                 | 1306 |
| Örnsköldsvik – Hörnskatan        | 8346 |
| Hörnskatan – Skagsudde           | 8346 |
| Fairway W of Ulvöarna            | 1306 |
| Ångermanälven north Sandö Bridge | 8444 |
| Ångermanälven south Sandö Bridge | 8444 |
| Härnösand – Härnön               | 5144 |
| Hudiksvallfjärden                | 8342 |
| Iggesund – Agö                   | 8342 |
| Sandarne – Hällgrund             | 5142 |