



Eisbericht Nr. 74

Amtsblatt des BSH

Jahrgang 98

Nr. 74

Monday, 24.03.2025

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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 aufgedrücktes Eis. Das Eis ist örtlich schwer zu passieren. Ansonsten befindet sich auf See offenes Wasser. In Norra Kvarken liegt bis 45 cm dickes morsches Festeis in den Schären. Auf See ist es eisfrei. In der Bottensee kommt entlang der Küste Festeis, welches örtlich morsch ist, vor. Im Südwesten ist es eisfrei. Im östlichen Finnischen Meerbusen kommt morsches Festeis bis Kotlin und der Vyborg Bucht vor. Entlang der nördlichen Küste kommt im Osten teilweise morsches Festeis vor.

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. The ice field is at places difficult to force. Else at sea is open water. In the Quark, there is up to 45 cm rotting fast ice in the inner archipelagos. The sea is ice-free. Along the coast of the Sea of Bothnia there is partly rotten fast ice in inner bays but in the southwest, it is ice-free. In the eastern Gulf of Finland, there is rotten ice to Kotlin and the Vyborg Bay. Along the northern coast, there is rotten fast ice in the east.

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 the line Farstugrunden – Kalajoki, there is 10–60 cm thick, ridged and rafted, very close ice. The ice field is in places difficult to force. Else at sea there is open water. In the southern Bay of Bothnia, there is up to 40 cm thick

fast ice in the archipelagos and close ice and open water further out. The sea is ice-free.

With air temperatures above 0°C and light night frost in places, no major change in the ice situation is expected for the next day. The ice will drift to the east.

The Quark

In the Vaasa archipelago there is 20–45 cm thick rotting fast ice to east of Ensten. Along the Swedish coast there is 15–35 cm fast ice in bays. Fur-

ther out is open water. The sea is ice-free.

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

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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Sea of Bothnia

In the east the ice along the northern coast is getting rotten. In the west, there is up to 30 cm thick fast ice in sheltered places north of Sundsvall. On

Ångermanälven there is 2–15 cm thick fast ice. With air temperatures above 0 °C ice melt will continue the next day.

Gulf of Finland

From St Petersburg to Kotlin, there is rotten fast ice. Further westwards there is open to close ice, followed by open water. In Vyborg Bay there is 10–20 cm thick rotten fast ice and open water in the

entrance. In the eastern part of the northern coast, there is rotten fast ice. With air temperatures above 0 °C ice melt will continue the next day.

X. Lange

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	I	07.01.
	Vaasa	2000 dwt	II	21.03.
	Lake Saimaa and Saimaa Canal	2000 dwt	IA	16.02.
Sweden	Karlsborg	4000 dwt	IA	11.02.
	Luleå	2000 dwt	IA	12.02.
	Haraholmen and Skelleftehamn	2000 dwt	IB	12.02.
	Holmsund	2000 dwt	II	17.03.
	Ångermanälven	2000 dwt	IA	22.01.

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 has been taken in use again on 24th March.

Icebreakers: YMER, IDUN, KONTIO, OTSO, SISU, ZEUS and POLARIS assist in the Bay of Bothnia.

Russia

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

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, 24.03.2025

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	7476
Raahe lighthouse – Nahkiainen	5476
Latitude Marjaniemi – Ulkokalla, Sea	5476
Rahja harbour – Välimatala	7376
Vaelimatala to line Ulkokalla – Ykskivi	1706
Sea betw. lat. of Ulkokalla – Pietarsaari	4746
Ykspihlaja – Repskär	7376
Repskär – Kokkola lighthouse	1706
Sea area off Kokkola lighthouse	1706
Pietarsaari – Kallan	7746
Sea area off Kallan	4746
Sea lat. Pietarsaari – NE Nordvalen	1706
Sea area ENE of Nordvalen	1706
Sea area Nordvalen to W of Norrskär	1705
Vaskiluoto – Ensten	8845
Ensten – Vaasa lighthouse	1705

Vaasa lighthouse – Norrskär	1705
Kaskinen – Sälgrund	1001

Russian Federation, 24.03.2025

Port of St. Petersburg	310/
St. Petersburg – E-point island Kotlin	310/
E-point Kotlin – long. lighth. Tolbuhkin	510/
Lighth. Tolbuhkin – lighth. –Šepelevskij	210/
Vyborg, port and bay	820/
Island Vichrevoj – Island Sommers	100/
Strait Bjerkesund	100/

Sweden, 24.03.2025

Karlsborg – Malören	8546
Sea area off Malören	5456
Luleå – Björnklack	8546
Björnklack – Farstugrunden	1306
E and SE of Farstugrunden	1306
Sandgrönn fairway	8446
Rödkallen – Norströmsgrund	1306
Haraholmen – Nygrån	8446
Sea area off Nygrån	1306
Skelleftehamn – Gåsören	1306
Sea area off Gåsören	1306
Sea area off Bjuröklubb	5356
Western Quark (W of Holmöarna)	1306
Umeå – Väktaren	1306
SE of Väktaren	1306
Fairway to Husum	1302

Örnsköldsvik – Hörnskatan	8342
Hörnskatan – Skagsudde	5041
Ångermanälven north Sandö Bridge	8444
Ångermanälven south Sandö Bridge	1204
Härnösand – Härnön	5142
Sundsvall – Draghällan	1201
Hudiksvallfjärden	8392