



Eisbericht Nr. 8

Amtsblatt des BSH

Jahrgang 98

Nr. 8

Monday, 16.12.2024

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Übersicht

In der Bottenwiek befindet sich in den inneren Schären 5–15 cm dickes, ebenes Eis sowie Neueis weiter außerhalb und im Nordosten auch auf See. In Norra Kvarken liegt örtlich dünnes ebenes Eis und Neueis in Schären und Buchten. Von der nördlichen Bottensee bis in den nördlichen Rigaischen Meerbusen sowie dem Mälarsee und im nördlichen Vänern kommt Neueis in geschützten Gebieten entlang der Küste vor.

Overview

In the Bay of Bothnia, there is 5–15 cm thick, level ice in the inner archipelagos and new ice further out and at sea in the northeast. In the Quark, there is thin level ice at places and new ice in bays and archipelagos. From the northern Sea of Bothnia to the northern Gulf of Riga as well as in Lake Mälaren and the northern Lake Vänern, new ice is present in sheltered places along the coasts.

Bay of Bothnia

In the inner archipelagos of the Bay of Bothnia, there is 5–15 cm thick level ice and new ice further out. In the northeastern part there is new ice and ice formation further out to Kemi-1, Holma and off

Raahé.

With light to moderate frost new ice formation is expected the coming day. The ice will drift in westerly directions.

The Quark

In the Vaasa archipelago, there is thin level ice in the inner archipelago and new ice further out. Along the Swedish coast, there is new ice in shel-

tered places.

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

Sea of Bothnia

New ice and thin level ice are present in sheltered places along the northern coasts. 5–10 cm thick, level ice and new ice is present on Ångermanälven. In the southern Sea of Bothnia, new ice is

present in sheltered places along the coast.

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

Åland Sea

New ice is present in some sheltered places. With temperatures mostly slightly above 0°C no

larger changes are expected the coming day.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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Archipelago Sea

New ice is present in sheltered places along the coast.

With temperatures mostly slightly above 0°C no larger changes are expected the coming day.

Gulf of Finland

New ice is present along the northern coast. In the inner Bay of Vyborg, there is some thin level ice and new ice. From St. Petersburg to Kotlin, there is new ice. In Lake Saimaa and Saimaa Canal, there

is thin level ice and new ice at places. With mostly light frost in the eastern part, some new ice formation is expected. Further west no larger changes are expected the coming day.

Gulf of Riga

New ice is present in some sheltered places in Väinameri.

With temperatures above 0 °C some ice melt is expected.

Northern Baltic

In Lake Mälaren new ice is present at sheltered places.

With temperatures mostly above 0 °C no larger changes are expected.

Skagerrak and Kattegat

New ice may be found in very few sheltered Norwegian fjords.

With temperatures above 0 °C some ice melt is expected.

Swedish Lakes

New ice is present in sheltered bays in the north-east of Lake Vänern.

With temperatures mostly above 0°C some ice melt is possible but else no larger changes.

Dr. W. Aldenhoff

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Lake Saimaa	2000 dwt	II	11.12.
	Saimaa Canal	2000 dwt	II	11.12.
	Tornio, Kemi, Oulu, Kokkola, Pietarsaari and Vassa	2000 dwt	II	21.12.
Sweden	Karlsborg and Lulea	2000 dwt	II	07.12.
	Angermanälven	1300/2000 dwt	IC/II	07.12.

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: MATARI assists in the northern Lake Saimaa.

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, 16.12.2024

Röyttä – Etukari	5142
Etukari – Ristinmatala	5041
Ajos – Ristinmatala	5142
Ristinmatala – Kemi 2	4041
Kemi 2 – Kemi 1	4041
Sea area SW of Kemi 1	4041
Kemi 2 – Ulkokorunni – Virpiniemi	5142
Oulu harbours – Kattilankalla	5142
Kattilankalla – Oulu 1	4041
Sea area SW of Oulu 1	4041
Raahe harbour – Heikinkari	5041
Heikinkari – Raahe lighthouse	4041
Raahe lighthouse – Nahkiainen	3001
Rahja harbour – Välimatala	4041
Ykspihlaja – Repskär	4041
Repskär – Kokkola lighthouse	4041
Pietarsaari – Kallan	4041
Vaskiluoto – Ensten	4041

Norway, 16.12.2024

Tønsberg, inner harbour	8041
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Russian Federation, 16.12.2024

Port of St. Petersburg	400/
St. Petersburg – E-point island Kotlin	400/
Vyborg, port and bay	400/

Sweden, 16.12.2024

Karlsborg – Malören	5246
Luleå – Björnklack	5246
Haraholmen – Nygrån	4041
Umeå – Väktaren	5041
Örnsköldsvik – Hörnskatan	4041
Ångermanälven north Sandö Bridge	5144
Ångermanälven south Sandö Bridge	5144
Sundsvall – Draghallan	4041
Hudiksvallfjärden	4041
Iggesund – Agö	4041
Sandarne – Hällgrund	4041
Gävle – Eggegrund	4041
Hallstavik – Svartklubben	4041
Köping – Kvicksund	4041
Grönsö – Södertälje	4041
Stockholm – Södertälje	4041
Fairway to Karlstad	4041
Fairway to Kristinehamn	4041