



Eisbericht Nr. 7

Amtsblatt des BSH

Jahrgang 98

Nr. 7

Friday, 13.12.2024

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Übersicht

In der nördlichen Bottenwiek befindet sich in den inneren Schären 5–10 cm dickes, ebenes Eis sowie Neueis weiter außerhalb. Von der südlichen Bottenwiek 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 northern Bay of Bothnia, there is 5–10 cm thick, level ice in the inner archipelagos and new ice further out. From the southern Bay 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 5–10 cm thick level ice. In the northern part there is new ice and new ice formation further out. New ice is present in sheltered places in the southern Bay of Bothnia.

With mostly light to moderate frost further ice formation is expected during the weekend. The weekend starts with easterly winds that change to southerly winds on Sunday. A strong breeze is expected for both directions.

The Quark

New ice is present in sheltered places along the coast.

With mostly light to moderate frost ice formation is expected over the weekend.

Sea of Bothnia

New ice is 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.
With temperatures around 0 °C and light to moderate frost on Sunday some ice formation may occur during the weekend.

Åland Sea

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

changes are expected over the weekend.

Archipelago Sea

New ice is present in few sheltered places.
With temperatures around 0°C and light frost on

Sunday some ice formation is expected towards the end of the week.

Herstellung und Vertrieb

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Gulf of Finland

Some new ice is present in the Bay of Vyborg and at places along the northern coast. In Lake Saimaa and Saimaa Canal, there is thin level ice and new ice at places.

With mostly light frost along the coasts some ice formation is expected mostly in the eastern part over the weekend.

Gulf of Riga

New ice is present in some sheltered places in Väinameri.

With temperatures around 0°C overall no larger changes are expected over the weekend.

Northern Baltic

In Lake Mälaren new ice is present at sheltered places.

With temperatures mostly around 0 °C no larger changes are expected over the weekend.

Skagerrak and Kattegat

New ice is present in some sheltered areas of some Norwegian fjords.

With temperatures mostly above 0 °C no larger changes but some ice melt are expected.

Swedish Lakes

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

With temperatures mostly slightly above 0°C no larger changes are expected over the weekend.

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.
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.

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, 12.12.2024

Röyttä – Etukari	5142
Etukari – Ristinmatala	4041
Ajos – Ristinmatala	4041
Oulu harbours – Kattilankalla	5142

Norway, 12.12.2024

Tønsberg, inner harbour	8041
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Sweden, 13.12.2024

Karlsborg – Malören	4046
Luleå – Björnklack	5146
Sandgrönn fairway	4046
Örnsköldsvik – Hörnskatan	4041
Ångermanälven north Sandö Bridge	4044
Ångermanälven south Sandö Bridge	4044
Hudiksvallfjärden	4041
Iggesund – Agö	4041
Sandarne – Hällgrund	4041
Gävle – Eggegrund	4041
Hallstavik – Svartklubben	4041
Köping – Kvicksund	4041
Fairway to Karlstad	4041