



Eisbericht Nr. 2

Amtsblatt des BSH

Jahrgang 98

Nr. 2

Thursday, 05.12.2024

1

Übersicht

In der nördlichen Bottenwiek befindet sich in den inneren Schären 5–10 cm dickes, ebenes Eis sowie Neueis weiter außerhalb. In der südlichen Bottenwiek, Norra Kvarken und der nördlichen Bottensee kommt Neueis in geschützten Gebieten vor. In der südlichen Bottensee, der Ålandsee, dem Schärenmeer der Bucht von Vyborg im Finnischen Meerbusen hat sich vereinzelt das erste Neueis gebildet.

Overview

In the northern Bay of Bothnia, there is 5–10 cm thick, level ice in the inner archipelagos and new ice further out. In the southern Bay of Bothnia, the Quark and the northern Sea of Bothnia there is new ice in sheltered places. In the southern Sea of Bothnia, the Åland Sea, the Archipelago Sea and the Bay of Vyborg in the Gulf of Finland the first new ice has formed at few places.

Bay of Bothnia

In the inner archipelagos of the northern Bay of Bothnia, there is 5–10 cm thick, level ice. New ice is present further out and in sheltered places in the southern Bay of Bothnia.

With mostly light frost and temperatures around 0°C some ice formation may occur but overall no larger changes are expected over the weekend. With southerly winds the ice will drift northwards.

The Quark

New ice is present in sheltered places along the coast.

With temperatures mostly around 0°C and some

night frost no larger changes are expected over the weekend.

Sea of Bothnia

New ice is present in some sheltered places along the northern coast. 5–10 cm thick, level ice and new ice is present on the upper part of Ångermanälven. New ice is forming at sheltered places

in the southern Bay of Bothnia. With temperatures mostly around 0°C or light frost no larger changes are expected over the weekend.

Åland Sea

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

are expected over the weekend.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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

© BSH - All rights reserved
Reproduction in whole or in part prohibited

Archipelago Sea

New ice is forming in few sheltered places.
With temperatures around 0°C no larger changes

are expected over the weekend.

Gulf of Finland

Some new ice is forming in the Bay of Vyborg and
at few places along the northern coast.

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

Dr. W. Aldenhoff

Next report will be published on Monday, 9 December 2024

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
--	--

Sweden, 05.12.2024

Karlsborg – Malören	4041
Luleå – Björnklack	5142
Örnsköldsvik – Hörnskatan	4041
Ångermanälven north Sandö Bridge	4041
Ångermanälven south Sandö Bridge	4041
Hallstavik – Svartklubben	4041