



Eisbericht Nr. 10

Amtsblatt des BSH

Jahrgang 96

Nr. 10

Friday, 09.12.2022

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Übersicht

In den Schären der Bottenwiek befindet sich dünnes, ebenes Eis und Neueis weiter außerhalb. In Kvarken, der Bottensee, dem Schärenmeer und dem Mälarsee befindet sich Neueis in geschützten Gebieten. Im Finnischen Meerbusen befindet sich dünnes, ebenes Eis in den östlichsten Buchten sowie Neueis in geschützten Buchten entlang der Küsten. Im Nordosten des Rigaischen Meerbusen befindet sich dünnes ebenes Eis oder Neueis entlang der Küsten und der Bucht von Pärnu.

Overview

In the inner archipelagos of the Bay of Bothnia, there is thin level ice and new ice further out. In the Quark, the Sea of Bothnia, the Archipelago Sea and Lake Mälaren, there is new ice in sheltered bays. In the Gulf of Finland, there is thin level ice in the easternmost bays and new ice in sheltered places along the coasts. In the northeastern Gulf of Riga thin level ice or new ice along the coast and the Bay of Pärnu.

Bay of Bothnia

In the archipelagos of the northern Bay of Bothnia, there is 5–15 cm thick level ice and new ice further out. 5–15 cm thick level ice is between Hailuoto and Oulu. New ice is present in sheltered places of

the southern bay.

Ice formation and ice growth continues over the weekend with some ice drift to the west.

The Quark

There is new ice in the inner bays and archipelagos.

New ice formation and ice growth is expected over the weekend.

Sea of Bothnia

New ice formation takes place in sheltered inner bays in the north and along the Finnish coast. On the upper part of Ångermanälven, there is 3–10 cm

thick level ice.

New ice formation and ice growth is expected over the weekend.

Archipelago Sea

New ice formation takes place in sheltered inner bays.

Some new ice formation is expected over the weekend.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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Northern Baltic

New ice formation takes place in the eastern part and sheltered places of Lake Mälaren.

New ice formation is expected over the weekend.

Gulf of Finland

5–10 cm thick level ice is present east of the island Kotlin. In the top of Vyborg Bay, there is fast ice, 5–10 cm thick and new ice further out. In sheltered places along the northern coast and in places along

the southern coast, there is new ice. On Lake Saimaa, there is 5–15 cm thick ice in places. New ice formation and ice growth is expected over the weekend.

Gulf of Riga

There is thin level ice along the coast and in sheltered bays of Väinameri. On the fairway new ice formation. In the Bay of Pärnu, there is 4–10 cm thick level ice along the coast and very close new

ice to the line island Manija to Voiste.

Over the weekend, new ice formation is expected in the northern Gulf of Riga.

Dr. W. Aldenhoff

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio and Kemi	2000 dwt	II	01.12.
	Oulu	2000 dwt	II	12.12.
	Lake Saimaa	2000 dwt	II	12.12.
Sweden	Karlsborg and Lulea	2000 dwt	II	05.12.
	Haraholmen and Skelleftehamn	2000 dwt	II	12.12.
	Angermanälven	1300/2000 dwt	IC/II	14.12.

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:

Tugboats assist in the Bay of Bothnia.

Russia

There are restrictions for small crafts going to Vysotsk, Vyborg, St. Petersburg, Ust-Luga and Primorsk.

Icebreakers: Several icebreakers assist vessels to the port of Vyborg, Vysotsk, Primorsk, Ust-Luga and St. Petersburg.

Baltic Sea Ice Code

<p>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</p> <p>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</p>	<p>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</p> <p>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</p>
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Estonia, 09.12.2022

Paernu, port and bay 5111
Moonsund 4001

Finland, 09.12.2022

Röyttä – Etukari 5145
Etukari – Ristinmatala 4045
Ajos – Ristinmatala 4045
Ristinmatala – Kemi 2 4045
Kemi 2 – Ulkokrunni – Virpiniemi 4045
Oulu harbours – Kattilankalla 5145
Kattilankalla – Oulu 1 4045
Raahe harbour – Heikinkari 4042
Rahja harbour – Välimatala 2011
Vaskiluoto – Ensten 4042
Pori harb. to line Pori lighth. – Säppi 4042
Rauma, Harbour – Kylmäpihlaja 3000
Kotka – Viikari 4042

Russian Federation, 09.12.2022

Port of St. Petersburg 51/2
St. Petersburg – E-point island Kotlin 51/2
E-point Kotlin – long. lighth. Tolbukhin 3000
Vyborg, port and bay 81/2

Sweden, 09.12.2022

Karlsborg – Malören 5246

Luleå – Björnklack 5246
Umeå – Väktaren 4041
Örnsköldsvik – Hörnskatan 4041
Ångermanälven north Sandö Bridge 5142
Ångermanälven south Sandö Bridge 5142
Sundsvall – Draghällan 4041
Iggesund – Agö 4041
Köping – Kvikksund 4041
Västerås – Grönsö 4041
Fairway to Gruvön 4041
Fairway to Kristinehamn 4041