



Eisbericht Nr. 6

Amtsblatt des BSH

Jahrgang 96	Nr. 6	Monday, 05.12.2022	1
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Übersicht

In den Schären der Bottenwiek befindet sich dünnes, ebenes Eis und Neueis. In Kvarken und der nördlichen Bottensee bildet sich Eis in geschützten Gebieten. Im Finnischen Meerbusen befindet sich dünnes, ebenes Eis oder Neueis von St. Petersburg bis zur Insel Kotlin und in der Bucht von Vyborg. Im Nordosten des Rigaischen Meerbusen bildet sich Eis entlang der Küste und der Bucht von Pärnu.

Overview

In the inner archipelagos of the Bay of Bothnia, there is thin level ice or new ice. In the Quark and the northern Sea of Bothnia new ice forms in sheltered bays. In the Gulf of Finland, there is thin level ice or new ice from St. Petersburg to the island Kotlin and in the Bay of Vyborg. In the northeastern Gulf of Riga new ice is forming along the coast and the Bay of Pärnu.

Bay of Bothnia

In the inner archipelagos of the northern Bay of Bothnia, there is 5–15 cm thick level ice and new ice further out. 5–10 cm thick level ice is between Hailuoto and the mainland. New ice is forming in

sheltered areas of the southern bay.

Some new ice formation is expected the coming day.

The Quark

New ice formation takes place in sheltered inner bays.

Some new ice formation is expected the coming day.

Sea of Bothnia

New ice formation takes place in sheltered inner bays of the northern Sea of Bothnia.

Some new ice formation is expected the coming day.

Gulf of Finland

Thin level ice is present from St. Petersburg to the island Kotlin. North of Kotlin and in the Bay of Vyborg, there is new ice. In sheltered places along the coast, there is new ice. On Lake Saimaa, there

is thin ice in places.

New ice formation is expected the coming day in the east and in sheltered places along the coasts.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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Gulf of Riga

New ice is forming in sheltered bays of Väinameri and the northeastern Gulf of Riga. In the Bay of Pärnu, there is new ice to the line Lindi – Tahkuni-

na.

Some ice formation is expected the coming day.

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.
Sweden	Karlsborg and Lulea	2000 dwt	II	05.12.

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.

Baltic Sea Ice Code

<p>First number:</p> <p>A_B Amount and arrangements of sea ice</p> <p>0 Ice free</p> <p>1 Open water – concentration less than 1/10</p> <p>2 Very open ice - concentration 1/10 to 3/10</p> <p>3 Open ice – concentration 4/10 to 6/10</p> <p>4 Close ice – concentration 7/10 to 8/10</p> <p>5 Very close ice – concentration 9/10 to 9+/10</p> <p>6 Compact ice, including consolidated ice – concentration 10/10</p> <p>7 Fast ice with drift ice outside</p> <p>8 Fast ice</p> <p>9 Lead in very close or compact drift ice or along the fast ice edge</p> <p>/ Unable to report</p> <p>Third number:</p> <p>T_B Topography or form of ice</p> <p>0 Pancake ice, ice cakes, brash ice – less than 20 m across</p> <p>1 Small ice floes – 20 to 100 m across</p> <p>2 Medium ice floes – 100 to 500 m</p> <p>3 Big ice floes – 500 to 2000 m across</p> <p>4 Vast or giant ice floes – more than 2000 m across – or level ice</p> <p>5 Rafted ice</p> <p>6 Compact slush or shuga, or compacted brash ice</p> <p>7 Hummocked or ridged ice</p> <p>8 Thaw holes or many puddles on the ice</p> <p>9 Rotten ice</p> <p>/ No information or unable to report</p>	<p>Second number:</p> <p>S_B Stage of ice development</p> <p>0 New ice or dark nilas (less than 5 cm thick)</p> <p>1 Light nilas (5 - 10 cm thick) or ice rind</p> <p>2 Grey ice (10 - 15 cm thick)</p> <p>3 Grey-white ice (15 - 30 cm thick)</p> <p>4 White ice, first stage (30 - 50 cm thick)</p> <p>5 White ice, second stage (50 - 70 cm thick)</p> <p>6 Medium first year ice (70 - 120 cm thick)</p> <p>7 Ice predominantly thinner than 15 cm with some thicker ice</p> <p>8 Ice predominantly grey-white ice (15 – 30 cm) with some thicker ice</p> <p>9 Ice predominantly thicker than 30 cm with some thinner ice</p> <p>/ No information or unable to report</p> <p>Fourth number:</p> <p>K_B Navigation conditions in ice</p> <p>0 Navigation unobscured</p> <p>1 Navigation difficult or dangerous for wooden vessels without ice sheathing</p> <p>2 Navigation difficult for unstrengthened or low-powered vessels built of iron or steel. Navigation for wooden vessels even with ice sheathing not advisable</p> <p>3 Navigation without icebreaker assistance possible only for high-powered vessels of strong construction and suitable for navigation in ice</p> <p>4 Navigation proceeds in lead or broken ice-channel without the assistance of an icebreaker</p> <p>5 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size</p> <p>6 Icebreaker assistance can only be given to vessels of special ice class and of special size</p> <p>7 Icebreaker assistance can only be given to vessels after special permission</p> <p>8 Navigation temporarily closed</p> <p>9 Navigation has ceased</p> <p>/ Unknown</p>
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Finland, 04.12.2022

Röyttä – Etukari	5145
Etukari – Ristinmatala	3025
Ajos – Ristinmatala	2025
Ristinmatala – Kemi 2	3025

Estonia, 05.12.2022

Paernu, port and bay	4000
Moonsund	1000

Russian Federation, 05.12.2022

Port of St. Petersburg	51/2
St. Petersburg – E-point island Kotlin	51/2
E-point Kotlin – long. lighth. Tolbukhin	4000
Vyborg, port and bay	50/1

Sweden, 05.12.2022

Karlsborg – Malören	5246
Luleå – Björnklack	4046
Umeå – Väktaren	4041
Ångermanälven north Sandö Bridge	4041
Ångermanälven south Sandö Bridge	4041
Iggesund – Agö	4041