



Eisbericht Nr. 22

Amtsblatt des BSH

Jahrgang 98

Nr. 22

Thursday, 09.01.2025

1

Übersicht

In der Bottenwiek liegt in den nördlichen Schären 20–35 cm dickes Festeis gefolgt von ebenem Eis und anschließend dichtes bis sehr dichtes, dünnes Eis entlang der Küste bis in die Bottensee. Im östlichen Finnischen Meerbusen kommt 10–20 cm dickes Eis von St.Petersburg nach Kotlin und 5-15 cm dickes Festeis am Ende der Vyborg-Bucht vor. Ansonsten tritt ebenes Eis und Neueis lokal in geschützten Gebieten an den Küsten des Schärenmeeres, der Ålandsee, sowie im nördlichen Finnischen Meerbusen und im Rigaischen Meerbusen auf.

Overview

In the Bay of Bothnia, there is 20–35 cm thick, fast ice in the northern archipelagos, followed by level ice and further out close to very close, thin ice along the coasts down to the Sea of Bothnia. In the eastern Gulf of Finland, there is 10–20 cm thick ice from St.Petersburg to Kotlin and in the top of Vyborg bay 5-15 cm thick fast ice. Else, there is thin level ice and new ice at some sheltered places along the northern coast of the Gulf of Finland, the Archipelago Sea, the Åland Sea, Lake Mälaren and the Gulf of Riga.

Bay of Bothnia

In the northern Bay of Bothnia 20-35 cm thick fast ice approximately to Kemi 3 and Hammasmatala. From Kemi 3 to Kemi 1 is 10-30 cm thick very close ice and new ice. Farther out thin drift ice, new ice and in places thicker floes approximately 15 nautical miles to southwest of Bothnia-buoy. Off Raahe 5-20 cm thick ice approximately to Jaakko.

Farther out first new ice and then thin drift ice to 10 nautical miles west of Nahkiainen. With moderate to severe frost expected the next days, new ice formation will occur. Winds from the north-east, ice drifting to south-west is possible.

The Quark

In the Vaasa archipelago, there is 5-15 cm thick of fast ice as far as Ensten. Further out thin open and very open drift ice.

With light to moderate frost expected the next days, new ice formation will occur. Winds from the north-east, ice drifting to south-west is possible.

Sea of Bothnia

In the west, there is thin level ice along the coast. On the Ångermanälven there is 5-20 cm thick fast ice. To the east, there is new ice in sheltered areas and in the south very close ice, 1-8cm thick.

With mostly light to moderate frost some new ice formation at the coast is expected.

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

Åland Sea

New ice is present in some sheltered places.

With air temperatures around 0°C no larger changes are expected.

Archipelago Sea

New ice is present along the eastern coast.

With air temperatures around 0°C no larger changes are expected.

Gulf of Finland

From St Petersburg to Kotlin there is very close ice, 10-20 cm thick, and close ice further out. In the upper part of Vyborg Bay, there is 5-15 cm of fast ice. Along the north coast, there is thin level ice in inner bays and new ice further out. In Lake Saimaa

and Saimaa Canal, there is 5-25 cm thick ice with local areas of open water due to currents. With air temperatures around 0°C, no major changes are expected.

Gulf of Riga

In Väinameri, there is new ice and thin level ice in some sheltered areas.

With air temperatures around 0°C no larger changes are expected.

Northern Baltic

On Lake Mälaren there is thin level ice that is 2-10 cm thick. Locally there is very open ice present. In sheltered places along the coast new ice for-

mation. With air temperatures around 0°C no larger changes are expected.

Skagerrak and Kattegat

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

With mostly light frost some new ice formation is expected in sheltered areas the coming days.

Swedish Lakes

New ice is present in the northeast and at some sheltered places of Lake Vänern.

With air temperatures around 0°C no larger changes are expected.

Central Baltic

New ice is present at some sheltered places on the Swedish coast.

With air temperatures around 0°C no larger changes are expected.

X. Lange

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio, Kemi, Oulu and Raahе	2000 dwt	IB	08.01.
	Kalajoki	2000 dwt	I	07.01.
	Kokkola, Pietarsaari and Vaasa	2000 dwt	I	07.01.
	Kaskinen, Kotka and Hamina	2000 dwt	II	07.01.
	Lake Saimaa and Saimaa Canal	2000 dwt	II	11.12.
	Lake Saimaa and Saimaa Canal	2000 dwt	I	11.01.
Sweden	Karlsborg and Luleå	2000 dwt	IB	07.01.
	Haraholmen and Skelleftehamn	2000 dwt	IC	07.01.
	Holmsund, Rundvik, Husum Örnköldsvik and Köpmanholmen	2000 dwt	II	07.01.
	Ångermanälven	2000 dwt	IB	07.01.
	Härnösand, Söråker, Sundsvall, Stocka, Hudiksvall, Iggesund, Söderhamn, Orrskär, Norrsundet, Gävle, Skutskär, Öregrund, Hargshamn, Hallstavik, Grisslehamn, Kappelskär, Stockholm, Nynäshamn and Södertälje	2000 dwt	II	11.01.
	Köping and Västerås	2000 dwt	IC	07.01.
	Oxelösund, Norrköping, Stenungsund and Uddevalla	2000 dwt	II	11.01.
	Trollhätte Canal and Göta Älv	2000 dwt	II	11.01.
	Vänern	2000 dwt	II	11.01.

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: KONTIO, ALE, OTSO and SISU assist in the Bay of Bothnia. ZEUS assists in the Quark. TYRSKY assists in the Lake Saimaa.

Russia

Icebreakers: SEMYON DEZHNEV, **IVAN KRUZENSTERN** and K. PLAKHIN assist vessels to the port of St. Petersburg.

K. IZMAYLOV assists to Vyborg and Vysotsk.

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
--	--

Estonia, 09.01.2025

Paernu, port and bay	1//0
Moonsund	1//0

Finland, 09.01.2025

Röyttä – Etukari	8346
Etukari – Ristinmatala	7756
Ajos – Ristinmatala	7756
Ristinmatala – Kemi 2	5756
Kemi 2 – Kemi 1	5756
Sea area SW of Kemi 1	5756
Kemi 2 – Ulkokrunni – Virpiniemi	7756
Oulu harbours – Kattilankalla	8376
Kattilankalla – Oulu 1	7756
Sea area SW of Oulu 1	5756
High Sea N of the latitude of Marjaniemi	5756
Raahe harbour – Heikinkari	8246
Heikinkari – Raahe lighthouse	5246
Raahe lighthouse – Nahkiainen	4146
Latitude Marjaniemi – Ulkokalla, Sea	5756
Rahja harbour – Välimatala	5756
Vaelimatala to line Ulkokalla – Ykskivi	3136
Sea betw. lat. of Ulkokalla – Pietarsaari	2126
Ykspihlaja – Repskär	8746
Repskär – Kokkola lighthouse	5146
Sea area off Kokkola lighthouse	2126
Pietarsaari – Kallan	8746
Sea area off Kallan	3136
Sea lat. Pietarsaari – NE Nordvalen	3136

Sea area ENE of Nordvalen	4146
Sea area Nordvalen to W of Norrskär	2126
Vaskiluoto – Ensten	8146
Ensten – Vaasa lighthouse	5146
Vaasa lighthouse – Norrskär	2126
Sea area SW of Norrskär	2126
Kaskinen – Sälgrund	4145
Sea area off Sälgrund	4145
Pori harb. to line Pori lighth. – Säppi	3001
Uusikaupunki harbour – Kirsta	4041
Naantali and Turku – Rajakari	4041
Inkoo a. Kantvik – sea area Porkkala	4041
Helsinki harbours – Harmaja	4041
Valko Harbour – Täktarn	5142
Kotka – Viikari	4041
Hamina – Suurmusta	4045

Russian Federation, 09.01.2025

Port of St. Petersburg	520/
St. Petersburg – E-point island Kotlin	520/
E-point Kotlin – long. lighth. Tolbuhkin	520/
Lighth. Tolbuhkin – lighth. – Šepelevskij	510/
Vyborg, port and bay	810/

Sweden, 09.01.2025

Karlsborg – Malören	8446
Sea area off Malören	5356
Luleå – Björnklack	8346
Björnklack – Farstugrunden	5236

E and SE of Farstugrunden	4236
Sandgrönn fairway	5256
Rödkallen – Norströmsgrund	5236
Haraholmen – Nygrån	8346
Sea area off Nygrån	5236
Skelleftehamn – Gåsören	8346
Sea area off Gåsören	5236
Sea area off Bjuröklubb	8246
NE of Nordvalen	2126
SW of Nordvalen	2126
Western Quark (W of Holmöarna)	5142
Umeå – Väktaren	8246
SE of Väktaren	2126
Fairway to Husum	4136
Örnsköldsvik – Hörnskatan	5046
Hörnskatan – Skagsudde	5046
Ångermanälven north Sandö Bridge	8344
Ångermanälven south Sandö Bridge	8344
Härnösand – Härnön	4041
Sundsvall – Draghällan	4041
Draghällan – Åstholmsudde	4041
Hudiksvallfjärden	4041
Iggesund – Agö	4041
Sandarne – Hällgrund	5132
Ljusnefjärden – Storjungfrun	5132
Gävle – Eggegrund	5132
Öregrundsgrepen	5132
Hallstavik – Svartklubben	5132
Köping – Kvicksund	5144
Västerås – Grönsö	5144
Stockholm – Södertälje	4041
Södertälje – Fifong	4041
Norrköping – Hargökalv	4041
Fairway to Karlstad	4041
Fairway to Kristinehamn	4041