



Eisbericht Nr. 33

Amtsblatt des BSH

Jahrgang 98

Nr. 33

Friday, 24.01.2025

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Übersicht

In der Bottenwiek liegt in den nördlichen Schären 15–50 cm dickes Festeis. Weiter außerhalb folgt im Nordosten sehr dichtes, 15–30 cm dickes Eis und im Nordwesten dünnes ebenes Eis. Außerhalb der Eiskanten bildet sich Neueis. In den südlichen Schären liegt bis 30 cm dickes Festeis und weiter außerhalb treibt Neueis und im Osten auch lockeres, bis 15 cm dickes Eis. In Norra Kvarken liegt bis 30 cm dickes Festeis sowie lockeres Eis weiter außerhalb. Auf See treibt Neueis. In der Bottensee kommt entlang der Küste im Norden Festeis und im Süden dünnes Eis vor. Im östlichen Finnischen Meerbusen kommt 10–20 cm dickes Eis vor St. Petersburg und in 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 15–50 cm thick fast ice in the northern archipelagos. Further out, there is very close 15–30 cm thick ice in the northeast and thin level ice in the northwest. Off the ice edge new ice is forming. In the southern archipelagos, there is up to 30 cm thick fast. Further out is new ice and in the east also open drift ice. In the Quark, there is up to 30 cm thick fast ice in the inner archipelagos and open ice further out. At sea, there is new ice. Along the coast of the Sea of Bothnia there is mostly fast ice in the north and thin ice in the south. In the eastern Gulf of Finland, there is 10–20 cm thick ice at St. Petersburg and in the Vyborg Bay. 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, there is 15–50 cm thick fast ice; in the east approximately to Kemi-3 and Hammasmatala. From the southern part of Nukkujanmatala southwards between Merikallat and Hailuoto runs a lead with new ice. Further out in the northeast, there is mostly 15–30 cm thick very close ice and thin ice approximately 20 nautical miles southwest of the Bothnia-buoy and approximately 12 nautical miles southwest of

Merikallat. Off the fast ice in the northwest, there is thin level ice out to Falkensgrund. In the southern Bay of Bothnia, there is new ice off the coast with open, 5–15 cm thick drift ice further out in the east. With air temperatures mostly around 0 °C, no larger changes are expected over the weekend. Northward ice-drift is possible, due to winds from south and southwest.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

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The Quark

In the Vaasa archipelago, there is 15–30 cm thick fast ice to Ensten. Further out open ice with some drifting 5–15 cm thick floes to west of Vaasa light-house. Along the Swedish coast, there is 10–20 cm thick fast ice in inner bays and thin level ice to

Holmöarna. At sea, there is new ice. With air temperatures mostly around 0 °C, no larger ice formation is expected over the weekend. Northward ice-drift is possible.

Sea of Bothnia

In the east, there is 5–20 cm thick fast ice along the coast. Further out, there is new ice in the north and thin level and new ice in the south. In the west, there is thin level ice in sheltered places. On

Ångermanälven there is 10–30 cm thick fast ice. With air temperatures mostly slightly above 0 °C, no larger changes are over the weekend.

Åland Sea

Open ice or very open ice is present in some sheltered places.

With air temperatures above 0°C continued ice melt is expected over the weekend.

Archipelago Sea

Open ice is present along the coast and in sheltered places of the archipelago.

With air temperatures above 0°C continued ice melt is expected over the weekend.

Gulf of Finland

From St Petersburg to the westernmost tip of island Kotlin, there is very close ice, 10–20 cm thick. Further out close ice along the coast. In the upper part of Vyborg Bay, there is 10–20 cm thick fast

ice. Along the northern coast there is thin level ice. In Lake Saimaa and Saimaa Canal, there is 10–30 cm thick ice. With air temperatures above 0°C continued ice melt is expected over the weekend.

Gulf of Riga

In Väinameri, there is new ice and thin level ice in sheltered areas. Pärnu Bay is ice-free.

With air temperatures above 0°C continued ice melt is expected over the weekend.

Northern Baltic

On Lake Mälaren there is 2–10 cm thick level ice in the western part with some areas of very open ice. The central part is ice-free. In the eastern part

there is new ice in places. With air temperatures above 0°C continued ice melt is expected over the weekend.

Swedish Lakes

New ice or thin level ice is present at places along the northeastern coast of Lake Vänern.

With air temperatures mostly above 0°C some ice melt is expected over the weekend.

Skagerrak and Kattegat

New ice or thin level ice may be found in some sheltered places along the Norwegian coast.

With air temperatures mostly above 0°C some ice melt is expected over the weekend.

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	IB	16.01.
Russia	St. Petersburg	-	Ice 1	11.02.
	Vyborg	-	Ice 1	01.02.
	Vysotsk	-	Ice 1	01.02.
Sweden	Karlsborg and Luleå	2000 dwt	IB	07.01.
	Haraholmen and Skelleftehamn	2000 dwt	IC	07.01.
	Holmsund, Rundvik, Husum Örnsköldsvik and Köpmanholmen	2000 dwt	II	07.01.
	Ångermanälven	2000 dwt	IA	22.01.
	Härnösand, Söråker, Sundsvall, Stocka, Hudiksvall, Iggesund, Söderhamn, Orrskär, Norrsundet, Gävle, Skutskär, Öregrund, Hargshamn, Hallstavik, Grisslehamn, Kappelskär, Stockholm, Nynäshamn, Södertälje, Oxelösund and Norrköping	2000 dwt	II	11.01.
	Köping and Västerås	2000 dwt	IC	07.01.
	Bålsta	2000 dwt	II	15.01.
	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: FREJ, KONTIO, ALE, ATLE, OTSO and SISU assist in the Bay of Bothnia. ZEUS assists in the Quark and in the southern Bay of Bothnia. TYRSKY assists in the Lake Saimaa.

Norway

Tønsberg inner harbour (Tønsberg): Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size. (17.01.2025)

Russia

From **1st of February** tow boat-barges will not be assisted to Vyborg and Vysotsk. Vessels without ice class may navigate with icebreaker assistance only.

From **28th of January** tow boat-barges will not be assisted to St. Petersburg. Vessels without ice class may navigate with icebreaker assistance only.

Icebreakers: IVAN KRUZENSTERN and SEMYON DEZHNEV 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
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Estonia, 24.01.2025

Moonsund 1//0

Finland, 24.01.2025

Röyttä – Etukari 8446

Etukari – Ristinmatala 7356

Ajos – Ristinmatala 7356

Ristinmatala – Kemi 2 5356

Kemi 2 – Kemi 1 5356

Sea area SW of Kemi 1 5356

Kemi 2 – Ulkokrunni – Virpiniemi 7356

Oulu harbours – Kattilankalla 8876

Kattilankalla – Oulu 1 7356

Sea area SW of Oulu 1 5356

High Sea N of the latitude of Marjaniemi 5356

Raahe harbour – Heikinkari 8346

Heikinkari – Raahe lighthouse 5356

Raahe lighthouse – Nahkiainen 5146

Latitude Marjaniemi – Ulkokalla, Sea 4746

Rahja harbour – Välimatala 5146

Vaelimatala to line Ulkokalla – Ykskivi 5146

Sea betw. lat. of Ulkokalla –Pietarsaari 4746

Ykspihlaja – Repskär 8346

Repskär – Kokkola lighthouse 5146

Sea area off Kokkola lighthouse 3136

Pietarsaari – Kallan 8346

Sea area off Kallan 3136

Sea lat. Pietarsaari – NE Nordvalen 3136

Sea area ENE of Nordvalen 4046

Sea area Nordvalen to W of Norrskär 4046

Vaskiluoto – Ensten 8346

Ensten – Vaasa lighthouse 3136

Vaasa lighthouse – Norrskär 4046

Kaskinen – Sälgrund 4045

Sea area off Sälgrund 4045

Rauma, Harbour – Kymäpihlaja 2021

Kymäpihlaja – Rauma lighthouse 2021

Uusikaupunki harbour – Kirsta 4041

Naantali and Turku – Rajakari 1000

Inkoo a. Kantvik – sea area Porkkala 2001

Russian Federation, 24.01.2025

Port of St. Petersburg 530/

St. Petersburg – E-point island Kotlin 530/

Vyborg, port and bay 820/

Sweden, 24.01.2025

Karlsborg – Malören 8446

Sea area off Malören 5246

Luleå – Björnklack 8446

Björnklack – Farstugrunden 5246

E and SE of Farstugrunden 4336

Sandgrönn fairway 8446

Rödallen – Norströmsgrund 5246

Haraholmen – Nygrån 8446

Sea area off Nygrån 5246

Skelleftehamn – Gåsören	5246
Sea area off Gåsören	4336
Sea area off Bjuröklubb	4336
NE of Nordvalen	4046
SW of Nordvalen	4046
Western Quark (W of Holmöarna)	5246
Umeå – Väktaren	8346
SE of Väktaren	4046
Fairway to Husum	4046
Örnsköldsvik – Hörnskatan	5146
Hörnskatan – Skagsudde	5146
Ångermanälven north Sandö Bridge	8344
Ångermanälven south Sandö Bridge	8344
Härnösand – Härnön	5144
Sundsvall – Draghallan	4046
Hudiksvallfjärden	5246
Iggesund – Agö	5246
Sandarne – Hällgrund	5146
Gävle – Eggegrund	5146
Hallstavig – Svartklubben	4046
Köping – Kvicksund	5144
Västerås – Grönsö	5144
Fairway to Karlstad	5146
Fairway to Kristinehamn	4046