



Eisbericht Nr. 28

Amtsblatt des BSH

Jahrgang 98

Nr. 28

Friday, 17.01.2025

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Übersicht

In der Bottenwiek liegt in den nördlichen Schären 15–45 cm dickes Festeis. Weiter außerhalb folgt im Nordosten sehr dichtes, 15–30 cm dickes Eis und im Nordwesten dichtes bis sehr lockeres, 5–20 cm dickes Eis. In den südlichen Schären liegt bis 25 cm dickes Festeis und etwas weiter außerhalb treibt sehr lockeres Eis. In Norra Kvarken liegt bis 25 cm dickes Festeis und dünnes Eis etwas weiter außerhalb. 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 15–45 cm thick fast ice in the northern archipelagos. Further out, there is very close 15–30 cm thick ice in the northeast and close to very open ice, 5–20 cm thick, in the northwest. In the southern archipelagos, there is up to 25 cm thick fast ice and very open ice further out. In the Quark, there is up to 25 cm thick fast ice in the inner archipelagos and thin drift ice further out. 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 15–45 cm thick fast ice; in the east approximately to Kemi-3 and Hammasmatala. Further out in the northeast, there is mostly 15–30 cm thick very close ice to southwest of Kemi-2 and Oulu-2. There is a compact brash ice barrier at the ice edge. Off the fast ice in the northwest, there is close ice, 5–20 cm thick in the north and open to very open ice further south to about Falkensgrund in the east. In the

southern Bay of Bothnia, there is up to 25 cm fast ice along the coast. Off the coast is thin shuga and open water in the east and very open ice in the west.

With air temperatures mostly slightly above or around 0°C, no ice growth is expected. The ice will drift in easterly directions with probably up to gale force winds from west/northwest night to Saturday.

The Quark

In the Vaasa archipelago, there is first 10–25 cm thick fast ice followed by thin ice to west of Ensten

and open water. Along the Swedish coast, there is 10–20 cm thick fast ice in inner bays. Further out,

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

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Nachdruck, auch auszugsweise, verboten

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there is open water and very open thin ice. At sea it is ice-free.

With air temperatures slightly above 0 °C no larger

Sea of Bothnia

In the east, there is 5–15 cm thick fast ice or thin level ice along the coast in the north. In the south is thin ice. Along the coast in the west, there is thin level ice in the north. On Ångermanälven there is 5–20 cm thick fast ice. South of Hudiksvall there is

Åland Sea

New ice or thin close ice is present in some sheltered places.

Archipelago Sea

New ice may be found along the coast and in sheltered places of the archipelago.

Gulf of Finland

From St Petersburg to Kotlin, there is very close ice, 10–20 cm thick. 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 the east with very open ice further out in places and in the

Gulf of Riga

In Väinameri, there is new ice and thin level ice in sheltered areas. A narrow band of thin ice is present near the coast in Pärnu Bay. The fairway is

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 and

Central Baltic

Remains of new ice may be found at some sheltered places along the northern the Swedish coast.

Swedish Lakes

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

Skagerrak and Kattegat

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

changes are expected. The ice will drift mostly in easterly directions over the weekend.

thin close ice along the coast.

With air temperatures mostly slightly above 0°C no larger changes are expected but some ice melt may occur in the southern part.

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

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

west, there is new ice. In Lake Saimaa and Saimaa Canal, there is 10–30 cm thick ice.

With air temperatures mostly slightly above 0°C some ice melt may occur especially in the west over the weekend.

ice-free.

With air temperatures slightly above 0°C some ice melt may occur over the weekend.

along the outer coast there is new ice in places.

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

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

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

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

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	28.01.
	Vyborg	-	Ice 1	24.01.
	Vysotsk	-	Ice 1	24.01.
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	IB	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: 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.

Russia

From 24th of January 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, 17.01.2025

Paernu, port and bay	10/0
Moonsund	1//0

Finland, 17.01.2025

Röyttä – Etukari	8846
Etukari – Ristinmatala	7376
Ajos – Ristinmatala	7756
Ristinmatala – Kemi 2	5376
Kemi 2 – Kemi 1	5366
Sea area SW of Kemi 1	0//6
Kemi 2 – Ulkokrunni – Virpiniemi	7376
Oulu harbours – Kattilankalla	8876
Kattilankalla – Oulu 1	7376
Sea area SW of Oulu 1	0//6
High Sea N of the latitude of Marjaniemi	4746
Raahe harbour – Heikinkari	8346
Heikinkari – Raahe lighthouse	5366
Latitude Marjaniemi – Ulkokalla, Sea	3736
Rahja harbour – Välimatala	2126
Vaelimatala to line Ulkokalla – Ykskivi	0//6
Sea betw. lat. of Ulkokalla –Pietarsaari	2126
Ykspihlaja – Repskär	8746
Repskär – Kokkola lighthouse	3136
Sea area off Kokkola lighthouse	0//6
Pietarsaari – Kallan	8746
Sea area off Kallan	2126
Vaskiluoto – Ensten	8346
Ensten – Vaasa lighthouse	5146

Kaskinen – Sälgrund	2125
Rauma, Harbour – Kylmäpihlaja	4042
Uusikaupunki harbour – Kirsta	3032
Naantali and Turku – Rajakari	1000
Inkoo a. Kantvik – sea area Porkkala	2011
Helsinki harbours – Harmaja	1000
Valko Harbour – Täktarn	2021
Hamina – Suurmusta	2125

Russian Federation, 17.01.2025

Port of St. Petersburg	530/
St. Petersburg – E-point island Kotlin	530/
Vyborg, port and bay	820/

Sweden, 17.01.2025

Karlsborg – Malören	8446
Luleå – Björnklack	8446
Björnklack – Farstugrunden	4336
Sandgrönn fairway	8346
Rödkallen – Norströmsgrund	4336
Haraholmen – Nygrån	8346
Sea area off Nygrån	2326
Skelleftehamn – Gåsören	8346
Sea area off Gåsören	2326
Sea area off Bjuröklubb	2326
Western Quark (W of Holmöarna)	5246
Umeå – Väktaren	1006
Fairway to Husum	1006
Örnsköldsvik – Hörnskatan	5146

Hörnskatan – Skagsudde	5146
Ångermanälven north Sandö Bridge	8344
Ångermanälven south Sandö Bridge	8344
Härnösand – Härnön	5144
Sundsvall – Draghallan	2026
Hudiksvallfjärden	5146
Iggesund – Agö	4046
Sandarne – Hällgrund	4136
Gävle – Eggegrund	4136
Öregrundsgrepen	4136
Hallstavik – Svartklubben	4136
Köping – Kvicksund	5144
Västerås – Grönsö	5144
Stockholm – Södertälje	4046
Södertälje – Fifong	2026
Norrköping – Hargökalv	4046
Fairway to Karlstad	5146
Fairway to Kristinehamn	4046