



Eisbericht Nr. 34

Amtsblatt des BSH

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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. In den südlichen Schären liegt bis 30 cm dickes Festeis und weiter außerhalb treibt lockeres und sehr lockeres Eis. In Norra Kvarken liegt bis 30 cm dickes Festeis. 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. In the southern archipelagos, there is up to 30 cm thick fast. Further out is open and very open ice. In the Quark, there is up to 30 cm thick fast ice in the inner archipelagos and open water 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 15–50 cm thick fast ice to Kemi 3 and Oulu 2. 15–30 cm thick very close ice and thin ice approximately 7 nautical miles southwest of Kemi 1 and to north of Merikallat. Off Raahen 10–30 cm thick ice approximately to Jaakkola. Farther out thin drift ice in places approx-

imately to Nahkiainen. In the southern Bay of Bothnia, there is very open ice along the eastern coast and open ice to the western coast. With mostly light frost some new ice formation is expected the coming days. Northward ice-drift is possible, due to winds from south and southwest.

The Quark

In the Vaasa archipelago, there is 15–30 cm thick fast ice to Ensten. Further out open water. With air

temperatures mostly around 0°C, no larger ice formation is expected the coming day.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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Sea of Bothnia

In the east, there is 5–20 cm thick fast ice along the coast. In the west, there is thin level ice in sheltered places. On Ångermanälven there is 10–30 cm thick fast ice. South of Hudiksvall is thin level

ice in sheltered places. With air temperatures mostly slightly above 0°C, no larger changes are expected the coming day.

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 the coming day.

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 the coming day.

Gulf of Finland

From St Petersburg to the westernmost tip of island Kotlin, there is very close ice, 10–30 cm thick. Further out very 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 to the east and open ice to the west. In Lake Saimaa and Saimaa Canal, there is 10–30 cm thick ice. With air temperatures above 0°C continued ice melt is expected the coming day.

Gulf of Riga

In Väinameri, there is open ice in sheltered areas. Pärnu Bay is ice-free.

With air temperatures above 0°C continued ice melt is expected the coming day.

Northern Baltic

On Lake Mälaren there is 2–10 cm thick level ice in the western part with some ice-free areas. 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 the coming day.

Swedish Lakes

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

With air temperatures above 0°C continued ice melt is expected the coming day.

Skagerrak and Kattegat

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

With air temperatures above 0°C continued ice melt is expected the coming day.

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 **11th of February** tow boat-barges will not be assisted to St. Petersburg. Vessels without ice class may navigate with icebreaker assistance only.

Icebreakers: MUDYUG, IVAN KRUIZENSTERN 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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Finland, 27.01.2025

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	4356
High Sea N of the latitude of Marjaniemi	4356
Raahe harbour – Heikinkari	8346
Heikinkari – Raahe lighthouse	5356
Raahe lighthouse – Nahkiainen	1106
Latitude Marjaniemi – Ulkokalla, Sea	0//6
Rahja harbour – Välimatala	5146
Välimatala to line Ulkokalla – Ykskivi	0//6
Sea betw. lat. of Ulkokalla – Pietarsaari	0//6
Ykspihlaja – Repskär	8346
Repskär – Kokkola lighthouse	2126
Sea area off Kokkola lighthouse	0//6
Pietarsaari – Kallan	8346
Sea area off Kallan	0//6
Sea lat. Pietarsaari – NE Nordvalen	1106
Sea area ENE of Nordvalen	0//6
Sea area Nordvalen to W of Norrskär	0//6
Vaskiluoto – Ensten	8346
Ensten – Vaasa lighthouse	0//6

Vaasa lighthouse – Norrskär	0//6
Uusikaupunki harbour – Kirsta	2001
Naantali and Turku – Rajakari	1000

Russian Federation, 27.01.2025

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

Sweden, 27.01.2025

Karlsborg – Malören	8446
Sea area off Malören	5256
Luleå – Björnklack	8446
Björnklack – Farstugrunden	5256
E and SE of Farstugrunden	5456
Sandgrönn fairway	8446
Rödkallen – Norströmsgrund	5256
Haraholmen – Nygrån	8446
Sea area off Nygrån	3326
Skelleftehamn – Gåsören	5256
Sea area off Gåsören	5256
Sea area off Bjuröklubb	2226
Western Quark (W of Holmöarna)	1206
Umeå – Våktaren	8346
Örnsköldsvik – Hörnskatan	5146
Hörnskatan – Skagsudde	5146
Ångermanälven north Sandö Bridge	8344
Ångermanälven south Sandö Bridge	8344
Härnösand – Härnön	5144

Sundsvall – Draghällan	4046
Hudiksvallfjärden	5246
Iggesund – Agö	5246
Sandarne – Hällgrund	5146
Gävle – Eggegrund	5146
Hallstavik – Svartklubben	4046
Köping – Kvicksund	5144
Västerås – Grönsö	5144
Fairway to Karlstad	5146
Fairway to Kristinehamn	4046