



Eisbericht Nr. 49

Amtsblatt des BSH

Jahrgang 98

Nr. 49

Monday, 17.02.2025

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Übersicht

In der Bottenwiek liegt in den nördlichen Schären 30–70 cm dickes Festeis und in den südlichen Schären bis 30 cm dickes Festeis. Auf See treibt im Norden bis 60 cm dickes, sehr dichtes, teilweise aufgeschobenes oder aufgedrücktes Eis. Ansonsten befindet sich auf See 5–20 cm dickes, ebenes und aufgeschobenes Eis, entlang der finnischen Küste bis 25 cm dick. In Norra Kvarken liegt bis 35 cm dickes Festeis in den Schären. Auf See befindet sich ebenes, bis 20 cm dickes Eis und Neueis. In der Bottensee kommt entlang der Küste im Norden Festeis und im Süden dünnes Eis vor. Weiter außerhalb liegt im Osten Neueis. Im östlichen Finnischen Meerbusen kommt 20–35 cm dickes Festeis bis Kotlin sowie bis 20 cm dickes, dichtes Eis weiter westlich bis zur Insel Moščnyj vor. In der Vyborg-Bucht liegt bis 30 cm dickes Festeis. Ansonsten tritt ebenes Eis und Neueis in geschützten Gebieten an den Küsten des Schärenmeeres, der Ålandsee, im nördlichen Finnischen Meerbusen, im Rigaischen Meerbusen und dem Kurischen und Frischen Haff sowie im Mälaren und Vänern auf. Neueis kann vereinzelt in sehr geschützten Gebieten der gesamten Ostsee auftreten.

Overview

In the Bay of Bothnia, there is 30–70 cm thick fast ice in the northern archipelagos and up to 30 cm thick fast ice in the southern archipelagos. At sea in the north, there is very close, up to 60 cm thick and partly ridged or rafted ice. Else at sea, there is 5–20 cm thick, partly rafted level ice that is up to 25 cm thick along the Finnish coast. In the Quark, there is up to 35 cm thick fast ice in the inner archipelagos. At sea, there is 20 cm thick level ice and new ice. Along the coast of the Sea of Bothnia there is mostly fast ice in the north and thin ice in the south. Further out in the east is new ice. In the eastern Gulf of Finland, there is 20–35 cm thick fast ice to Kotlin and very close, up to 20 cm thick ice further west to the island Moščnyj. In the Vyborg Bay, there is up to 30 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, the Gulf of Riga and the Curonian and Vistula Lagoon as well as Lake Mälaren and Vänern. New ice may occur at very sheltered places in the entire Baltic.

Bay of Bothnia

In the northern Bay of Bothnia, there is 30–70 cm thick fast ice to Kemi 3 and Oulu 3 in the east. Off the fast ice, there is 15–45 cm consolidated ice in the east and rafted thin level ice in the west. In the southern Bay of Bothnia, there is up to 30 cm thick fast ice in the archipelagos. At sea in the north-

east, there is very close, 20–60 cm ice. In the central part is very close, 20–50 cm thick ice. Else at sea is mainly rafted, 5–20 cm thick level ice with very close, 5–25 cm thick ice along the Finnish coast to Kallan in the south.

With mainly moderate frost, ice formation will con-

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

www.bsh.de/ice

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tinue the coming day. The ice will drift in southerly

directions.

The Quark

In the Vaasa archipelago, there is 15–35 cm thick fast ice to Ensten and 10–30 cm thick, very close ice to Vaasa lighthouse. Along the Swedish coast, there is 10–30 cm fast ice in bays and thin level ice further out. At sea, there is thin, up to 20 cm thick

ice north of about 63°00'N and new ice at the southern ice edge.

With continuous light to moderate frost, ice formation will continue the coming day. The ice will drift slowly to the southeast.

Sea of Bothnia

In the east, there is 5–20 cm thick fast or thin level ice along the coast, with new ice and in places ice formation further out. In the west, there is thin level ice or fast ice in sheltered places. On Ångermanälven there is 10–40 cm thick fast ice and in the bay to Hudiksvall is up to 30 cm thick ice. Further out in

the northernmost part, there is new ice. In the south there is very open ice or open water further out.

With continuous light to moderate frost, ice formation will continue the coming day. The ice may drift slightly southeastwards.

Åland Sea

Very thin or new ice is present in sheltered places along the coast.

With continuous light to moderate frost, ice formation will continue the coming day.

Archipelago Sea

In the inner archipelagos, there is new ice or thin level ice.

With continuous light to moderate frost, ice formation will continue the coming day.

Gulf of Finland

From St Petersburg to Kotlin, there is fast ice, 20–35 cm thick. Further west, there is very close, 15–20 cm thick ice along the southern coast to Luga Bay. Else at sea, there is 5–15 cm thick level ice to the island Moščnyj. In Vyborg Bay, there is 15–30 cm thick fast ice and thin level ice in the entrance. Along the northern coast there is thin level ice in

sheltered places, up to 15 cm thick in the eastern part. New ice and thin open ice are present further out in the east. In Lake Saimaa and Saimaa Canal, there is 10–40 cm thick ice.

With continuous light to moderate frost, ice formation will continue the coming day. The ice may drift slightly to the east/southeast.

Gulf of Riga

In Väinameri, there is thin ice or new ice. In Pärnu Bay, there is 5–10 cm thick level ice along the coasts and new ice to slightly south of Kihnu.

Some new ice may be present in port of Riga. With continuous light to moderate frost, ice formation will continue the coming day.

Northern Baltic

On Lake Mälaren, there is 5–12 cm thick level ice but the central part is ice-free. New ice may be found in the archipelagos along the outer coast.

With continuous light to moderate frost, ice formation will continue the coming day.

Swedish Lakes

New or thin level ice is present along the north and eastern coast of Lake Vänern.

With mostly light to moderate frost, ice formation will continue the coming day.

Central Baltic

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

With night frost and daily temperatures around 0 °C, some ice may form in coastal areas.

Southeastern Baltic

New ice or 2–13 cm thick level or very close ice is present in the Curonian Lagoon and in Vistula Lagoon.

With continuous light frost, ice formation will continue the coming day.

Skagerrak and Kattegat

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

With continuous light to moderate frost, ice formation will continue the coming day.

Western Baltic

New ice is present in sheltered places along the coast.

With continuous light to moderate frost, ice formation will continue the coming day.

W. Aldenhoff

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Raahe	2000 dwt	IB	08.01.
	Tornio, Kemi and Oulu	2000 dwt	IA	12.02.
	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	IA	16.02.
Russia	St. Petersburg	-	Ice 1	25.02.
	Primorsk	-	Ice 1	25.02.
	Vyborg	-	Ice 1	15.02.
	Vysotsk	-	Ice 1	15.02.
Sweden	Karlsborg	4000 dwt	IA	11.02.
	Luleå	2000 dwt	IA	12.02.
	Haraholmen and Skelleftehamn	2000 dwt	IB	12.02.
	Holmsund, Rundvik, Husum Örnsköldsvik and Köpmanholmen	2000 dwt	I	17.02.
	Ångermanälven	2000 dwt	IA	22.01.
	Härnösand, Söråker, Sundsvall, Stocka, Hudiksvall, Iggesund, Söder- hamn, Orrskär, Norrsundet, Skutskär	2000 dwt	I	17.02.
	Gävle	2000/4000 dwt	IC/II	17.02.
	Öregrund, Hargshamn, Hallstavik and Grisslehamn	2000 dwt	II	17.02.
	Köping and Västerås	2000 dwt	IC	07.01.
	Bålsta	2000 dwt	IC	15.02.

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, ODEN, YMER, KONTIO, ATLE, OTSO and SISU assist in the Bay of Bothnia. ZEUS and ALE assist in the Quark and in the southern Bay of Bothnia. TYRSKY assists in the Lake Saimaa.

Russia

From **15th of February** tow boat-barges will not be assisted to Vyborg and Vysotsk. Vessels without ice class may navigate with icebreaker assistance only.

From **25th of February** tow boat-barges will not be assisted to St. Petersburg. Vessels without ice class may navigate with icebreaker assistance only.

Icebreakers: SEMYON DEZHNEV, KAPITAN SOROKIN and IVAN KRUZENSTERN assist vessels to the

port of St. Petersburg.

K. IZMAYLOV assists to Vyborg and Vysotsk. VLADIVOSTOK assists to Primorsk.

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 after special permission 8 Navigation temporarily closed 9 Navigation has ceased / Unknown
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Estonia, 17.02.2025

Paernu, port and bay	4121
Moonsund	30/0

Finland, 17.02.2025

Röyttä – Etukari	8546
Etukari – Ristinmatala	6356
Ajos – Ristinmatala	6356
Ristinmatala – Kemi 2	6356
Kemi 2 – Kemi 1	5456
Sea area SW of Kemi 1	5456
Kemi 2 – Ulkokrunni – Virpiniemi	6356
Oulu harbours – Kattilankalla	8546
Kattilankalla – Oulu 1	6356
Sea area SW of Oulu 1	5456
High Sea N of the latitude of Marjaniemi	5456
Raahe harbour – Heikinkari	7746
Heikinkari – Raahe lighthouse	5756
Raahe lighthouse – Nahkiainen	5746
Latitude Marjaniemi – Ulkokalla, Sea	5456
Rahja harbour – Välimatala	5746
Vaelimatala to line Ulkokalla – Ykskivi	5746
Sea betw. lat. of Ulkokalla –Pietarsaari	5746
Ykspihlaja – Repskär	7746
Repskär – Kokkola lighthouse	5746

Sea area off Kokkola lighthouse	5746
Pietarsaari – Kallan	8346
Sea area off Kallan	5746
Sea lat. Pietarsaari – NE Nordvalen	5746
Sea area ENE of Nordvalen	5756
Sea area Nordvalen to W of Norrskär	5756
Vaskiluoto – Ensten	8346
Ensten – Vaasa lighthouse	5246
Vaasa lighthouse – Norrskär	5146
Sea area SW of Norrskär	2006
Kaskinen – Sälgrund	4045
Sea area off Sälgrund	1005
Pori harb. to line Pori lighth. – Säppi	4041
Rauma, Harbour – Kylmäpihlaja	4041
Uusikaupunki harbour – Kirsta	4041
Kirsta – Isokari	4041
Naantali and Turku – Rajakari	4041
Rajakari – Lövskär	4041
Inkoo a. Kantvik – sea area Porkkala	4041
Helsinki harbours – Harmaja	2122
Vuosaari harbour – Eestiluoto	2122
Porvoo harbours – Varlax	2122
Valko Harbour – Täktarn	3132
Archipelago fairway Boistö – Glosholm	3132
Archipelago fairway Glosholm–Helsinki	3132

Kotka – Viikari 5142
Viikari – Orrengrund 3132
Orrengrund – Tiiskeri 3132
Hamina – Suurmusta 4045
Suurmusta – Merikari 3135
Merikari – Kaunissaari 3135

Germany, 17.02.2025

Rostock – Warnemünde 3000
Wismar – Walfisch 2000

Latvia, 15.02.2025

Port of Riga 3000

Norway, 17.02.2025

Langårsund (Kragør) 8042

Russian Federation, 17.02.2025

Port of St. Petersburg 840/
St. Petersburg – E-point island Kotlin 830/
E-point Kotlin – long. lighth. Tolbuhkin 830/
Lighth. Tolbuhkin – lighth. –Šepelevskij 520/
Lighthouse Šepelevskij – island Sescar 310/
Island Sescar – Island Sommers 310/
Vyborg, port and bay 830/
Island Vichrevoj – Island Sommers 310/
Strait Bjerkesund 810/
E-point Bol'soj Ber'ozovyj – Šepelevskij 210/
Luga bay 310/
Appr. Luga bay – line Moš.-Šepel. 310/

Sweden, 17.02.2025

Karlsborg – Malören 8546
Sea area off Malören 5356
Luleå – Björnklack 8446
Björnklack – Farstugrunden 5356
E and SE of Farstugrunden 5356
Sandgrönn fairway 8446
Rödkallen – Norströmsgrund 5456
Haraholmen – Nygrån 8446
Sea area off Nygrån 5356
Skelleftehamn – Gåsören 6336
Sea area off Gåsören 6336
Sea area off Bjuröklubb 5336
NE of Nordvalen 5356
SW of Nordvalen 5246
Western Quark (W of Holmöarna) 5356
Umeå – Väktaren 8346
SE of Väktaren 5246
NE and SE of Sydostbrotten 5246
Fairway to Husum 5246
Örnsköldsvik – Hörnskatan 8346
Hörnskatan – Skagsudde 8346
Sea area off Skagsudde 5246
Fairway W of Ulvöarna 5246
Sea area E of Ulvöarna 4046
Ångermanälven north Sandö Bridge 8444
Ångermanälven south Sandö Bridge 8444
Härnösand – Härnön 5144
Sundsvall – Draghallan 1006

Draghallan – Ästholmsudde 1006
Hudiksvallfjärden 8346
Iggesund – Agö 5246
Sandarne – Hällgrund 5146
Sea area off Hällgrund 2026
Ljusnefjärden – Störjungfrun 2026
Gävle – Eggegrund 5146
Öregrundsgrepen 2026
Hallstavik – Svartklubben 5146
Trälhavet – Furusund – Kapellskär 4041
Köping – Kviksund 5244
Västerås – Grönsö 5244
Grönsö – Södertälje 5244
Stockholm – Södertälje 5144
Södertälje – Fifong 5044
Norrköping – Hargökalv 4041
Järnverket-Lillhammaren – N Kränkan 4041
Fairway to Karlstad 5142
Fairway to Kristinehamn 5142