

Eisbericht Nr. 54

Amtsblatt des BSH

Jahrgang 98

Nr. 54

Monday, 24.02.2025

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Übersicht

In der Bottenwiek liegt in den nördlichen Schären 20–70 cm dickes Festeis und in den südlichen Schären bis 40 cm dickes Festeis. Auf See treibt im Norden bis 60 cm dickes, sehr dichtes, teilweise aufgeschobenes oder aufgedrücktes Eis. Ansonsten befindet sich auf See 10–30 cm dickes, sehr dichtes und teilweise aufgeschobenes Eis. In Norra Kvarken liegt bis 45 cm dickes Festeis in den Schären. Auf See befindet sich sehr lockeres Eis. In der Bottensee kommt entlang der Küste im Norden Festeis und im Süden sehr dichtes Eis vor. Im östlichen Finnischen Meerbusen kommt 20–35 cm dickes Festeis bis Kotlin vor, sowie sehr dichtes Eis weiter außerhalb. In der Vyborg-Bucht liegt bis 30 cm dickes Festeis. Entlang der nördlichen Küste kommt Festeis und dünnes, ebenes Eis sowie Neueis weiter außerhalb vor. Ebenes Eis und Neueis tritt in geschützten Gebieten an den Küsten des Schärenmeeres, der Ålandsee, im Rigaischen Meerbusen und dem Kurischen und Frischen Haff sowie im Mälaren und Vänern auf.

Overview

In the Bay of Bothnia, there is 20–70 cm thick fast ice in the northern archipelagos and up to 40 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 10–30 cm thick, partly rafted very close ice. In the Quark, there is up to 45 cm thick fast ice in the inner archipelagos. At sea, there is very open ice. Along the coast of the Sea of Bothnia there is mostly fast ice in the north and very close ice in the south. In the eastern Gulf of Finland, there is 20–35 cm thick fast ice to Kotlin and very close ice further out. In the Vyborg Bay, there is up to 30 cm thick fast ice. Along the northern coast there is fast ice or thin level ice and new ice further out. Thin level ice and new ice are present at sheltered places along the coast of the Archipelago Sea, the Åland Sea, the Gulf of Riga and the Curonian and Vistula Lagoon as well as Lake Mälaren and Vänern.

Bay of Bothnia

In the northern Bay of Bothnia, there is 20–70 cm thick fast ice to Kemi 3 and Oulu 3 in the east. Off the fast ice, there is 20–40 cm consolidated ice in the east and very open ice in the west up to Falkensgrund. In between up to 60 cm thick very close ice, ridged and rafted in places. In the southern Bay of Bothnia, there is up to 40 cm thick fast

ice in the archipelagos. At sea in the east, there is very close, 10–30 cm thick partly rafted ice with open water in places. To the west is mainly 5–20 cm thick open ice.

With air temperatures above 0 °C, slow ice melt will continue the coming day. The ice will drift to the north.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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The Quark

In the Vaasa archipelago, there is 20–45 cm thick fast ice to Ensten and 10–30 cm thick, very close ice further out. Along the Swedish coast, there is 15–35 cm fast ice in bays. At sea, there is very open ice to the east and open water to the west.

With air temperatures above 0 °C, slow ice melt will continue the coming day. The ice will drift to the north.

Sea of Bothnia

In the east, there is 5–20 cm thick fast ice or very close ice along the coast. In the west, there is thin level ice or fast ice in sheltered places, with open water further out. On Ångermanälven there is 10–

40 cm thick fast ice and in the bay to Hudiksvall is up to 30 cm thick ice.

With air temperatures above 0 °C, slow ice melt will continue the coming day.

Åland Sea

Thin ice or new ice is present along the coast.

With air temperatures above 0 °C, ice melt will continue the coming day.

Archipelago Sea

In the inner archipelagos, there is thin level ice and new ice further out.

With air temperatures above 0 °C, ice melt 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 ice and at sea is ice of varying concentration, up to 25 cm thick. In Vyborg Bay, there is 15–30 cm thick fast ice. Along the northern coast there is thin level

ice or fast ice in sheltered places, up to 20 cm thick in the eastern part. In Lake Saimaa and Saimaa Canal, there is 10–40 cm thick ice.

With air temperatures around 0 °C, no larger changes are expected the coming day.

Gulf of Riga

In Väinameri, there is ice of varying concentration between the islands. In Pärnu Bay, there is 5–10 cm thick very close ice along the coast.

With air temperatures above 0 °C, ice melt will continue the coming day.

Northern Baltic

On Lake Mälaren, there is 5–12 cm thick level ice with open water in the central part. New ice is present in the archipelagos along the outer coast.

With air temperatures above 0 °C, ice melt will continue the coming day.

Swedish Lakes

On Lake Vänern, there is 3-10 cm thick level ice and new ice in the north and 2-7 cm thick level ice and new ice in the south.

With air temperatures above 0 °C, ice melt will continue the coming day.

Central Baltic

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

With air temperatures above 0 °C, ice melt will continue the coming day.

Southeastern Baltic

In Curonian Lagoon, there is very close 10-15 cm thick partly rafted ice. In Vistula Lagoon is 3-10 cm thick, very close ice.

With air temperatures above 0 °C, ice melt will continue the coming day.

Western and Southern Baltic, Belt and Sound

Remains of very open ice may be found at some sheltered places along the coast.

With air temperatures above 0 °C, ice melt will continue the coming day.

Skagerrak and Kattegat

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

With air temperatures above 0 °C, ice melt will continue the coming day.

X. Lange

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.
	Ust-Luga	-	Ice 1	26.02.
	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	2000 dwt	I	17.02.
	Stocka, Hudiksvall, Iggesund, Söderhamn, Orrskär, Norrsundet, Gävle, Skutskär	2000 dwt	II	24.02.
	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.

The traffic separation scheme in the Quark is temporarily out of use due to ice conditions from 17th February.

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 and Primorsk. Vessels without ice class may navigate with icebreaker assistance only.

From **26th of February** tow boat-barges will not be assisted to Ust-Luga. Vessels without ice class may navigate with icebreaker assistance only.

Icebreakers: SEMYON DEZHNEV, KAPITAN SOROKIN, MUDJUG, KAPITAN NIKOLAEV, KAPITAN PLACHIN 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 special permission 8 Navigation temporarily closed 9 Navigation has ceased / Unknown
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Estonia, 24.02.2025

Shipping route from Narva-Jõssuu	4032
Paernu, port and bay	4232
Moonsund	4132

Finland, 24.02.2025

Röyttä – Etukari	8546
Etukari – Ristinmatala	6856
Ajos – Ristinmatala	6856
Ristinmatala – Kemi 2	6856
Kemi 2 – Kemi 1	5456
Sea area SW of Kemi 1	5456
Kemi 2 – Ulkokrunni – Virpiniemi	6856
Oulu harbours – Kattilankalla	8546
Kattilankalla – Oulu 1	6856
Sea area SW of Oulu 1	5456

High Sea N of the latitude of Marjaniemi	5456
Raahe harbour – Heikinkari	7856
Heikinkari – Raahe lighthouse	5856
Raahe lighthouse – Nahkiainen	5856
Latitude Marjaniemi – Ulkokalla, Sea	5456
Rahja harbour – Välimatala	7856
Vaelimatala to line Ulkokalla – Ykskivi	5856
Sea betw. lat. of Ulkokalla –Pietarsaari	5856
Ykspihlaja – Repskär	7746
Repskär – Kokkola lighthouse	5746
Sea area off Kokkola lighthouse	5356
Pietarsaari – Kallan	7356
Sea area off Kallan	5356
Sea lat. Pietarsaari – NE Nordvalen	2126
Sea area ENE of Nordvalen	2126
Sea area Nordvalen to W of Norrskär	2126

Vaskiluoto – Ensten	8846	Haraholmen – Nygrån	8446
Ensten – Vaasa lighthouse	7756	Sea area off Nygrån	2326
Vaasa lighthouse – Norrskär	2126	Skelleftehamn – Gåsören	8446
Sea area SW of Norrskär	1106	Sea area off Gåsören	8446
Kaskinen – Sälgrund	5755	Sea area off Bjuröklubb	8446
Sea area off Sälgrund	1105	NE of Nordvalen	2226
Pori harb. to line Pori lighth. – Säppi	1000	SW of Nordvalen	2226
Rauma, Harbour – Kylmäpihlaja	5152	Western Quark (W of Holmöarna)	1206
Kylmäpihlaja – Rauma lighthouse	2021	Umeå – Väktaren	8446
The high sea S of the latitude of Rauma	1102	SE of Väktaren	1206
Uusikaupunki harbour – Kirsta	5142	NE and SE of Sydostbrotten	1206
Kirsta – Isokari	4041	Fairway to Husum	5246
Sea area N of Märket	1102	Örnsköldsvik – Hörnskatan	8346
Sea area W of Märket	1102	Hörnskatan – Skagsudde	8346
Sea area S of Märket	1102	Sea area off Skagsudde	1206
The middle Åland Sea	1102	Fairway W of Ulvöarna	5246
Naantali and Turku – Rajakari	5142	Sea area E of Ulvöarna	1206
Lövsjär – Berghamn	4041	Ångermanälven north Sandö Bridge	8444
Koverhar – Hästö Busö	5142	Ångermanälven south Sandö Bridge	8444
Inkoo a. Kantvik – sea area Porkkala	5142	Härnösand – Härnön	5144
Helsinki harbours – Harmaja	1000	Sea area off Härnön	1206
Vuosaari harbour – Eestiluoto	1000	Sundsvall – Draghällan	5146
Porvoo harbours – Varlax	5041	Draghällan – Åstholmsudde	1206
Valko Harbour – Tåktarn	5152	Off Åstholmsudde and Brämön	1206
Archipelago fairway Boistö – Glosholm	5142	Hudiksvallfjärden	8346
Archipelago fairway Glosholm–Helsinki	5041	Iggesund – Agö	8346
Kotka – Viikari	5152	Sandarne – Hällgrund	5146
Viikari – Orrergrund	5152	Ljusnefjärden – Storsjungefrun	1206
Hamina – Suurmusta	5155	Gävle – Eggegrund	5146
Suurmusta – Merikari	5155	Sea area off Eggegrund	1206
Merikari – Kaunissaari	0//5	Sea area off Orskär	1206
Germany, 22.02.2025		Öregrundsgrepen	4046
Wolgast – Peenemünde	1000	Sea area off Svartklubben	1206
Rostock – Warnemünde	1000	Hallstavik – Svartklubben	5146
Latvia, 24.02.2025		Stockholm – Trälhavet – Klövholmen	4041
Port of Riga	1000	Köping – Kvicksund	5244
Russian Federation, 24.02.2025		Västerås – Grönsö	5244
Port of St. Petersburg	840/	Grönsö – Södertälje	5244
St. Petersburg – E-point island Kotlin	840/	Stockholm – Södertälje	5244
E-point Kotlin – long. lighth. Tolbuhkin	840/	Södertälje – Fifong	5144
Lighth. Tolbuhkin – lighth. –Šepelevskij	520/	Norrköping – Hargökalv	5142
Lighthouse Šepelevskij – island Sescar	510/	Västervik – Marsholmen – Idö	4041
Vyborg, port and bay	830/	Vänersborgsviken	4041
Island Vichrevoj – Island Sommers	510/	Fairway to Karlstad	5142
Strait Bjerkesund	810/	Fairway to Kristinehamn	5142
E-point Bol'šoj Ber'ozovyj – Šepelevskij	510/	Fairway to Otterbäcken	4041
Luga bay	210/		
Appr. Luga bay – line Moš.-Šepel.	210/		
Sweden, 24.02.2025			
Karlsborg – Malören	8546		
Sea area off Malören	5556		
Luleå – Björnklack	8546		
Björnklack – Farstugrunden	5376		
E and SE of Farstugrunden	5376		
Sandgrönn fairway	8446		
Rödkallen – Norströmsggrund	8446		