



Eisbericht Nr. 47

Amtsblatt des BSH

Jahrgang 98

Nr. 47

Thursday, 13.02.2025

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Übersicht

In der Bottenwiek liegt in den nördlichen Schären 15–55 cm dickes Festeis. Auf See treibt im Norden 10–45 cm dickes, sehr dichtes, teilweise aufgeschobenes oder aufgepresstes Eis. In der zentralen Bottenwiek ist offenes Wasser sowie bis 20 cm dickes Treibeis verschiedener Konzentration entlang der Küsten. In den südlichen Schären liegt bis 30 cm dickes Festeis. Auf See treibt lockeres bis dichtes, bis 15 cm dickes Eis. In Norra Kvarken liegt bis 35 cm dickes Festeis in den Schären. Auf See treibt lockeres Eis und Neueis. In der Bottensee kommt entlang der Küste im Norden Festeis und im Süden Neueis vor. Im östlichen Finnischen Meerbusen kommt 15–30 cm dickes Festeis bis Kotlin sowie bis 15 cm dickes, dichtes Eis weiter westlich vor. In der Vyborg-Bucht liegt bis 20 cm dickes Festeis. Ansonsten tritt ebenes Eis und Neueis lokal in geschützten Gebieten an den Küsten des Schärenmeeres, der Ålandsee, im nördlichen Finnischen Meerbusen, im Rigaischen Meerbusen und dem Kurischen Haff sowie im Mälaren und Vänern auf.

Overview

In the Bay of Bothnia, there is 15–55 cm thick fast ice in the northern archipelagos. At sea in the north, there is very close, 10–45 cm thick and partly ridged or rafted ice. In the central Bay of Bothnia is open water and up to 20 cm thick drift ice of varying concentration along the coasts. In the southern archipelagos, there is up to 30 cm thick fast ice. At sea, there is open to close, up to 20 cm thick drift ice. In the Quark, there is up to 35 cm thick fast ice in the inner archipelagos and open ice at sea. Along the coast of the Sea of Bothnia there is mostly fast ice in the north and new ice in the south. In the eastern Gulf of Finland, there is 15–30 cm thick fast ice to Kotlin and very close, up to 15 cm thick ice further west. In the Vyborg Bay, there is up to 20 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 Lagoon as well as Lake Mälaren and Vänern.

Bay of Bothnia

In the northern Bay of Bothnia, there is 15–55 cm thick fast ice to Kemi 3 and Oulu 3 in the east. Off the fast ice, there is 15–35 cm consolidated ice in the east and rafted thin level ice in the west. Further out, there is 15–45 cm thick ridged very close ice with adjacent open ice up to about 64°50'N. In the central part of the Bay of Bothnia there is open water or ice formation with open, 3–15 cm thick ice

in the west and close, up to 20 cm thick ice in the east. In the southern Bay of Bothnia, there is up to 30 cm thick fast ice in the archipelagos. Further out and at sea there is 3–15 cm thick open ice with close ice at places.

With continuous moderate and some severe frost, ice formation will continue the coming days. The ice will slightly drift to the south.

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 15–35 cm thick fast ice to Ensten and new ice to west of Vaasa lighthouse. Along the Swedish coast, there is 10–30 cm fast ice in bays and new ice and thin ice further out. At sea, there is new ice or thin open

ice.

With light to moderate frost, ice growth will continue the coming day. The ice will drift in southerly directions.

Sea of Bothnia

In the east, there is 5–20 cm thick fast or thin level ice in sheltered places along the coast, with new ice formation at places further out. In the west, there is thin level ice or fast ice in sheltered places and new ice further out along the coast. On

Ångermanälven there is 10–40 cm thick fast ice and in the bay to Hudiksvall is up to 30 cm thick ice.

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

Åland Sea

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

With light frost new ice formation may occur along the coast.

Archipelago Sea

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

With some light to moderate frost, ice growth will continue the coming day.

Gulf of Finland

From St Petersburg to Kotlin, there is fast ice, 15–30 cm thick. Further west, there is mainly very close, 5–15 cm thick ice to lighthouse Šepelevskij and new ice or ice formation to about Seskar. In Vyborg Bay, there is 10–20 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 is 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 days. The ice will drift slightly southwards.

Gulf of Riga

In Väinameri, there is thin ice or new ice in bays along the coast. The Fairway is ice-free. In Pärnu Bay, there is new ice to about the line Kihnu – Suurna. New ice or open water is present in Latvi-

an harbours.

With light frost, ice growth will continue the coming day.

Northern Baltic

On Lake Mälaren there 3–10 cm thick level ice in the west and else new ice. New ice may be found

in the archipelagos along the outer coast.

With light frost some ice may form the coming day.

Swedish Lakes

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

With light frost some new ice formation is expected the coming day.

Southeastern Baltic

New ice or thin ice is present in the Curonian Lagoon and in Vistula Lagoon.

With some light frost, ice growth 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 some light frost, ice growth will continue the coming day.

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	IB	16.01.
	Lake Saimaa and Saimaa Canal	2000 dwt	IA	16.02.
Russia	St. Petersburg	-	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	II	07.01.
	Holmsund, Rundvik, Husum Örnsköldsvik and Köpmanholmen	2000 dwt	I	17.02.
	Ängermanälven	2000 dwt	IA	22.01.
	Härnösand, Söråker, Sundsvall, Stocka, Hudiksvall, Iggesund, Söderhamn, Orrskär, Norrsundet, Gävle, Skutskär	2000 dwt	II	11.01.
	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	II	15.01.
	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, YMER, 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 harbor (Tønsberg): Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size. (17.01.2025)

Vestfjorden (Tønsberg): Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size. (13.02.2025)

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: MUDYUG, 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, 13.02.2025

Paernu, port and bay	4110
Moonsund	20/0

Finland, 12.02.2025

Röyttä – Etukari	8446
Etukari – Ristinmatala	6356
Ajos – Ristinmatala	6356
Ristinmatala – Kemi 2	6356
Kemi 2 – Kemi 1	5856
Sea area SW of Kemi 1	5856
Kemi 2 – Ulkokrunni – Virpiniemi	6356
Oulu harbours – Kattilankalla	8446
Kattilankalla – Oulu 1	6356
Sea area SW of Oulu 1	5856
High Sea N of the latitude of Marjaniemi	5856
Raahe harbour – Heikinkari	7756
Heikinkari – Raahe lighthouse	5756

Raahe lighthouse – Nahkiainen	4146
Latitude Marjaniemi – Ulkokalla, Sea	5856
Rahja harbour – Välimatala	5146
Vaelimatala to line Ulkokalla – Ykskivi	4146
Sea betw. lat. of Ulkokalla –Pietarsaari	4746
Ykspihlaja – Repskär	7756
Repskär – Kokkola lighthouse	5756
Sea area off Kokkola lighthouse	4146
Pietarsaari – Kallan	8346
Sea area off Kallan	4146
Sea lat. Pietarsaari – NE Nordvalen	3136
Sea area ENE of Nordvalen	3136
Sea area Nordvalen to W of Norrskär	4046
Vaskiluoto – Ensten	8346
Ensten – Vaasa lighthouse	5146
Vaasa lighthouse – Norrskär	0//6
Kaskinen – Sälgrund	4045
Sea area off Sälgrund	0//5

Pori harb. to line Pori lighth. – Säppi 4041
 Rauma, Harbour – Kylmäpihlaja 4041
 Uusikaupunki harbour – Kirsta 4041
 Naantali and Turku – Rajakari 1000
 Vuosaari harbour – Eestiluoto 1000
 Valko Harbour – Täktarn 5142
 Kotka – Viikari 5142
 Hamina – Suurmusta 5045
 Suurmusta – Merikari 0//5

Latvia, 13.02.2025

Port of Riga 2000
 Port of Ventspils 1000
 Port of Liepaya 1000

Russian Federation, 13.02.2025

Port of St. Petersburg 830/
 St. Petersburg – E-point island Kotlin 830/
 E-point Kotlin – long. lighth. Tolbuhkin 830/
 Lighth. Tolbuhkin – lighth. – Šepelevskij 520/
 Lighthouse Šepelevskij – island Sescar 410/
 Vyborg, port and bay 830/
 Strait Bjerkesund 810/
 E-point Bol'šoj Ber'ozovyj – Šepelevskij 510/

Sweden, 12.02.2025

Karlsborg – Malören 8546
 Sea area off Malören 5356
 Luleå – Björnklack 8446
 Björnklack – Farstugrunden 5356
 E and SE of Farstugrunden 5456
 Sandgrönn fairway 8446
 Rödkallen – Norströmsggrund 5456
 Haraholmen – Nygrån 8446
 Sea area off Nygrån 4046
 Skelleftehamn – Gåsören 6336
 Sea area off Gåsören 6336
 Sea area off Bjuröklubb 5336
 NE of Nordvalen 3226
 SW of Nordvalen 3226
 Western Quark (W of Holmöarna) 5236
 Umeå – Väktaren 8346
 SE of Väktaren 4046
 NE and SE of Sydostbrotten 4046
 Fairway to Husum 4046
 Örnköldsvik – Hörnskatan 8346
 Hörnskatan – Skagsudde 8346
 Sea area off Skagsudde 4046
 Fairway W of Ulvöarna 4046
 Sea area E of Ulvöarna 4046
 Ångermanälven north Sandö Bridge 8444
 Ångermanälven south Sandö Bridge 8444
 Härnösand – Härnön 5144
 Sundsvall – Draghällan 4046
 Draghällan – Åstholmsudde 4046
 Off Åstholmsudde and Brämön 4046
 Hudiksvallfjärden 8346
 Iggesund – Agö 5246
 Sea area off Agö 4046
 Sandarne – Hällgrund 5146

Gävle – Eggegrund 5146
 Öregrundsgrepen 4041
 Hallstavik – Svartklubben 4041
 Trälhavet – Furusund – Kapellskär 4041
 Köping – Kvikksund 5144
 Västerås – Grönsö 5144
 Grönsö – Södertälje 4041
 Stockholm – Södertälje 4041
 Södertälje – Fifong 5041
 Järnverket-Lillhammaren – N Kränkan 4041
 Fairway to Karlstad 5142
 Fairway to Kristinehamn 5142