

Eisbericht Nr. 73

Amtsblatt des BSH

Jahrgang 98

Nr. 73

Friday, 21.03.2025

1

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 Nordosten bis 60 cm dickes, sehr dichtes, teilweise aufgeschobenes oder aufgepresstes Eis. Das Eis ist örtlich schwer zu passieren. Ansonsten befindet sich auf See sehr lockeres Eis, Neueis und offenes Wasser. In Norra Kvarken liegt bis 45 cm dickes Festeis in den Schären. Auf See befindet sich offenes Wasser. In der Bottensee kommt entlang der Küste Festeis, welches örtlich morsch ist, vor. Im Südwesten ist es eisfrei. Im östlichen Finnischen Meerbusen kommt morschtes Festeis bis Kotlin sowie im Bjerkesund und der Vyborg Bucht vor. Entlang der nördlichen Küste kommt im Osten teilweise morschtes Festeis oder dünnes Eis vor. Weiter außerhalb befindet sich offenes Wasser.

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 northeast, there is up to 60 cm thick, very close and partly ridged and rafted ice. The ice field is at places difficult to force. Else at sea is very open ice, new ice and open water. In the Quark, there is up to 45 cm thick fast ice in the inner archipelagos. At sea, there is open water. Along the coast of the Sea of Bothnia there is partly rotten fast ice in inner bays but in the southwest, it is ice-free. In the eastern Gulf of Finland, there is rotten ice to Kotlin, in the Bjerkesund and the Vyborg Bay. Along the northern coast, there is partly rotten fast ice or thin ice in the east. Further out is open water.

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. At sea east of about the line Farstugrunden – Kalajoki, there is 5–60 cm thick, ridged and rafted, very close ice. The ice field is in places difficult to force. Else at sea there is ice in places. In the southern Bay of Bothnia, there is up to 40 cm thick fast ice in the archipelagos. At sea, there is new ice in places.

Over the weekend temperatures mostly slightly above 0°C are expected during day and only light frost at night. So, at most only minor ice formation may occur in the north and most new ice still present in places at sea in the south will disappear. With a fresh to strong breeze from the southwest the ice drifts towards the northwest, therefore no large change in the ice distribution is expected and some ice pressure may occur in the northwestern region.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eiswww.bsh.de/ice

© BSH - Alle Rechte vorbehalten
Nachdruck, auch auszugsweise, verboten

Eisauskünfte / Ice Information

Telefon: +49 (0) 381 4563 -780

Telefax: +49 (0) 381 4563 -949

E-Mail: ice@bsh.de

© BSH - All rights reserved
Reproduction in whole or in part prohibited

The Quark

In the Vaasa archipelago there is 20–45 cm thick fast ice approximately to Ensten, with very close ice along the edge. Along the Swedish coast there is 15–35 cm fast ice in bays. At sea, there is open

water.

With air temperatures around 0°C, and in places even going up to +5°C, ice melt will continue over the weekend.

Sea of Bothnia

In the east, there is 5–20 cm thick fast ice along the northern coast. In the central part the ice is getting rotten. In the southern part there is rotten ice at places in the inner archipelagos. In the west, there is up to 30 cm thick fast ice in sheltered plac-

es north of Söderhamn. On Ångermanälven there is 10-40 cm thick fast ice. Further south it is mainly ice-free.

With air temperatures mostly above 0 °C ice melt will continue over the weekend.

Archipelago Sea

Rotten ice may be present at sheltered places in the inner archipelagos.

With air temperatures above 0 °C ice melt will continue over the weekend.

Gulf of Finland

From St Petersburg to Kotlin, there is rotten fast ice with an area of open water south of Kotlin and east of the dike. North of Kotlin and east of the dike there is rotten fast ice or very close ice. Further westwards there is open to close ice to about Tolbuchin, followed by open ice and open water out to Šepelevskij. In Vyborg Bay and the Bjerkesund, there is 10–20 cm thick rotten fast ice and open water in the entrance. In the eastern part of the northern coast, there is partly rotten level ice or

fast ice, up to 20 cm thick in sheltered places. Further out is open water. In the western part rotten ice may be present in the inner archipelagos.

With air temperatures varying around 0 °C ice melt is expected in most regions over the weekend. But in the easternmost region night temperatures down to -5°C are possible, therefore some ice formation is possible there over the weekend.

Dr. J.Holfort

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio, Kemi and Oulu	2000 dwt	IA	12.02.
	Raahe	2000 dwt	IA	02.03.
	Kalajoki	2000 dwt	I	07.01.
	Kokkola and Pietarsaari	2000 dwt	I	07.01.
	Vaasa	2000 dwt	II	21.03.
	Kaskinen, Kotka and Hamina	-	cancelled	21.03.
	Lake Saimaa and Saimaa Canal	2000 dwt	IA	16.02.
Russia	St. Petersburg	-	cancelled	21.03.
Sweden	Karlsborg	4000 dwt	IA	11.02.
	Luleå	2000 dwt	IA	12.02.
	Haraholmen and Skelleftehamn	2000 dwt	IB	12.02.
	Holmsund	2000 dwt	II	17.03.
	Ångermanälven	2000 dwt	IA	22.01.

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.

The traffic separation scheme in the Quark is temporarily out of use due to ice conditions from 17th February. **The traffic separation scheme will be taken in use again on 24th March.**

Icebreakers: YMER, IDUN, KONTIO, OTSO, SISU, ZEUS and POLARIS assist in the Bay of Bothnia.

Russia

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 PLACHIN and MUDJUG assist vessels to the port of St. Petersburg. K. IZMAYLOV and K. SOROKIN assist 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
--	--

Finland, 21.03.2025

Röyttä – Etukari	8546
Etukari – Ristinmatala	6456
Ajos – Ristinmatala	6456
Ristinmatala – Kemi 2	6456
Kemi 2 – Kemi 1	5476
Sea area SW of Kemi 1	5476
Kemi 2 – Ulkokrunni – Virpiniemi	6456
Oulu harbours – Kattilankalla	8546
Kattilankalla – Oulu 1	6456
Sea area SW of Oulu 1	5476
High Sea N of the latitude of Marjaniemi	5476
Raahe harbour – Heikinkari	8346
Heikinkari – Raahe lighthouse	7476
Raahe lighthouse – Nahkiainen	5476
Latitude Marjaniemi – Ulkokalla, Sea	5476
Rahja harbour – Välimatala	7376
Välimatala to line Ulkokalla – Ykskivi	4046
Sea betw. lat. of Ulkokalla – Pietarsaari	4146
Ykspihlaja – Repskär	7376
Repskär – Kokkola lighthouse	4046
Sea area off Kokkola lighthouse	4046
Pietarsaari – Kallan	8846
Sea area off Kallan	4146
Sea lat. Pietarsaari – NE Nordvalen	4046
Sea area ENE of Nordvalen	4046
Sea area Nordvalen to W of Norrskär	1105
Vaskiluoto – Ensten	8845
Ensten – Vaasa lighthouse	3335

Vaasa lighthouse – Norrskär	1105
Kaskinen – Sälgrund	1001
Porvoo harbours – Varlax	1102
Valko Harbour – Täktarn	1102
Kotka – Viikari	1102
Viikari – Orrengrund	1102
Hamina – Suurmusta	1102
Suurmusta – Merikari	1102

Russian Federation, 21.03.2025

Port of St. Petersburg	520/
St. Petersburg – E-point island Kotlin	520/
E-point Kotlin – long. lighth. Tolbuhkin	510/
Lighth. Tolbuhkin – lighth. – Šepelevskij	310/
Vyborg, port and bay	820/

Sweden, 21.03.2025

Karlsborg – Malören	8546
Sea area off Malören	5456
Luleå – Björnklack	8546
Björnklack – Farstugrunden	4046
E and SE of Farstugrunden	4046
Sandgrönn fairway	8446
Rödkallen – Norströmsgrund	4046
Haraholmen – Nygrån	8446
Sea area off Nygrån	4046
Skelleftehamn – Gåsören	4046
Sea area off Gåsören	4046
Sea area off Bjuröklubb	5356

NE of Nordvalen	4046
SW of Nordvalen	1106
Western Quark (W of Holmöarna)	1106
Umeå – Väktaren	1106
SE of Väktaren	1106
Fairway to Husum	1101
Örnsköldsvik – Hörnskatan	8342
Hörnskatan – Skagsudde	5041
Ångermanälven north Sandö Bridge	8444
Ångermanälven south Sandö Bridge	8444
Härnösand – Härnön	5142
Sundsvall – Draghallan	1201
Hudiksvallfjärden	8392