



Eisbericht Nr. 70

Amtsblatt des BSH

Jahrgang 98

Nr. 70

Tuesday, 18.03.2025

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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 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 und offenes Wasser. In Norra Kvarken liegt bis 45 cm dickes Festeis in den Schären und Neueis weiter außerhalb. Auf See befindet sich offenes Wasser. In der Bottensee kommt entlang der Küste Festeis vor; im Südwesten ist es eisfrei. Im östlichen Finnischen Meerbusen kommt morsches Festeis bis Kotlin vor, sowie sehr lockeres bis dichtes Eis weiter westlich. In der Vyborg-Bucht liegt bis 25 cm dickes Festeis. Entlang der nördlichen Küste kommt im Osten Festeis und dünnes Eis vor. Reste von Eis befinden sich in der östlichen Bucht von Pärnu.

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 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 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 and very open to close ice further west. In the Vyborg Bay, there is up to 25 cm thick fast ice. Along the northern coast, there is fast ice or thin ice in the east. Remnants of ice are present in the eastern Pärnu Bay.

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 and pressure may occur in the ice field. Else at sea is very open ice with in places thicker floes around

Falkensgrund and new ice in the northwest. In the southern Bay of Bothnia, there is up to 40 cm thick fast ice in the archipelagos. At sea, there is open water.

With day temperatures above 0°C and some night frost no larger changes are expected. The ice will drift in easterly directions.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

www.bsh.de/ice

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Eisauskünfte / Ice Information

Telefon: +49 (0) 381 4563 -780

Telefax: +49 (0) 381 4563 -949

E-Mail: ice@bsh.de

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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 above 0 °C ice melt will continue the coming day.

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 very open ice at places in the inner archipelagos. In the west, there is up to 30 cm thick fast ice in sheltered

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

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

Archipelago Sea

Open water or thin ice may be present at sheltered places in the inner archipelagos.

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

Gulf of Finland

From St Petersburg to Kotlin, there is rotten fast ice. Further west, there is very open ice and close, 5–15 cm thick ice along the southern coast to Koporye Bay. In Vyborg Bay, there is 15–25 cm thick fast ice and open water in the entrance. Along the northern coast, there is thin level ice or fast ice, up to 20 cm thick, in sheltered places in

the eastern part. Further out is open water. In the western part thin ice may be present in the inner archipelagos.

With air temperatures mostly slightly above 0 °C some ice melt is expected the coming day.

Gulf of Riga

In Pärnu Bay, there is open ice east from the fairway near the coast. The fairway is ice-free.

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

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, 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	Vyborg	-	Ice 1	15.02.
	Vysotsk	-	Ice 1	15.02.
	St. Petersburg	-	Ice 1	25.02.
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.

Icebreaking assistance is suspended in ports of Tornio, Kemi, and Raahe due to weather conditions. Situation will be re-evaluated approximately at 08:00 19.3.2025. Assistances to/from Oulu will be continuing normally, situation will be evaluated during the afternoon. For more information +358 (0) 50 471 48 50 winternavigation@vayla.fi

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

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 PLACHIN and MUDJUG assist vessels to the port of St. Petersburg. K. IZMAYLOV and K. SOROKIN assist to Vyborg and Vysotsk. KAPITAN NIKOLAEV 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, 18.03.2025

Paernu, port and bay 0//0

Finland, 18.03.2025

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 7356

Vaelimatala to line Ulkokalla – Ykskivi 5156

Sea betw. lat. of Ulkokalla –Pietarsaari 4156

Ykspihlaja – Repskär 7356

Repskär – Kokkola lighthouse 1106

Sea area off Kokkola lighthouse 1106

Pietarsaari – Kallan 8846

Sea area off Kallan 1106

Sea lat. Pietarsaari – NE Nordvalen 1106

Sea area ENE of Nordvalen 1106

Sea area Nordvalen to W of Norrskär 1106

Vaskiluoto – Ensten 8846

Ensten – Vaasa lighthouse 1106

Vaasa lighthouse – Norrskär 1106

Kaskinen – Sälgrund 1005

Porvoo harbours – Varlax 1101

Valko Harbour – Täktarn 1101

Kotka – Viikari 1101

Viikari – Orrengrund 1101

Hamina – Suurmusta 1105

Suurmusta – Merikari 1105

Russian Federation, 18.03.2025

Port of St. Petersburg 520/

St. Petersburg – E-point island Kotlin 520/

E-point Kotlin – long. lighth. Tolbuhkin 210/

Lighth. Tolbuhkin – lighth. –Šepelevskij 310/

Vyborg, port and bay 830/

Strait Bjerkessund 200/

E-point Bol'shoj Ber'ozovyj – Šepelevskij 200/

Sweden, 18.03.2025

Karlsborg – Malören 8546

Sea area off Malören 5576

Luleå – Björnklack 8546

Björnklack – Farstugrunden 5046

E and SE of Farstugrunden 5046

Sandgrönn fairway 8446

Rödkallen – Norströmsgrund 5046

Haraholmen – Nygrån	8446
Sea area off Nygrån	2326
Skelleftehamn – Gåsören	2326
Sea area off Gåsören	2326
Sea area off Bjuröklubb	2326
NE of Nordvalen	1106
SW of Nordvalen	1106
Western Quark (W of Holmöarna)	4136
Umeå – Väktaren	1106
SE of Väktaren	1106
Fairway to Husum	1101
Örnsköldsvik – Hörnskatan	8342
Hörnskatan – Skagsudde	5041
Fairway W of Ulvöarna	1101
Ängermanälven north Sandö Bridge	8444
Ängermanälven south Sandö Bridge	8444
Härnösand – Härnön	5142
Sundsvall – Draghallan	1201
Hudiksvallfjärden	8342
Sandarne – Hällgrund	5142