

Eisbericht Nr. 68

Amtsblatt des BSH

Jahrgang 98

Nr. 68

Friday, 14.03.2025

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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 aufgedrücktes Eis. Das Eis ist örtlich schwer zu passieren. Weiter außerhalb treibt örtlich bis 30 cm dickes, dichtes Eis. Ansonsten befindet sich auf See dünnes Eis oder Neueis. In Norra Kvarken liegt bis 45 cm dickes Festeis in den Schären und Neueis weiter außerhalb. Auf See befindet sich offenes Wasser und Neueis. In der Bottensee kommt entlang der Küste Festeis oder dünnes Eis vor; im Südwesten ist es aber meist eisfrei. Im östlichen Finnischen Meerbusen kommt 20–35 cm dickes Festeis bis Kotlin vor, sowie sehr lockeres bis dichtes Eis weiter westlich. In der Vyborg-Bucht liegt bis 30 cm dickes Festeis. Entlang der nördlichen Küste kommt Festeis und dünnes Eis vor. Reste von sehr dichtem Eis befinden sich in der 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. Further out are areas of close, up to 30 cm thick drift ice. Else at sea is level ice or new ice. In the Quark, there is up to 45 cm thick fast ice in the inner archipelagos and new ice further out. At sea, there is open water and new ice. Along the coast of the Sea of Bothnia there is fast ice or thin ice in inner bays but in the southwest, it is mostly ice-free. In the eastern Gulf of Finland, there is 20–35 cm thick fast ice to Kotlin and very open to close ice further west. In the Vyborg Bay, there is up to 30 cm thick fast ice. Along the northern coast, there is fast ice or thin ice. Remnants of very close ice are present in 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 15–60 cm thick, ridged and rafted, very close ice. The ice field is in places difficult to force but a large lead has formed within the ice field, approximately parallel to the ice edge. Off the ice field are areas of close ice, 10–30 cm thick in the northwest and 5–25 cm thick in the east. Else

at sea in the north is 2–8 cm level ice. In the southern Bay of Bothnia, there is up to 40 cm thick fast ice in the archipelagos. At sea, there is mostly new ice and ice formation.

With mostly light to moderate frost new ice formation is expected over the weekend. The ice will first slightly drift to the east and later increasingly 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 20–45 cm thick fast ice approximately to Ensten, and along the Swedish coast there is 15–35 cm fast ice in bays.

At sea, there is open water and new ice. With light frost, some new ice formation is possible expected over the weekend.

Sea of Bothnia

In the east, there is 5–20 cm thick fast ice along the northern coast. Further out is new ice. In the southern part there is thin ice at places in the inner archipelagos. In the west, there is up to 30 cm thick fast ice in sheltered places north of Söder-

hamn. On Ångermanälven there is 10-40 cm thick fast ice. Further south it is mainly ice-free. With air temperatures around 0 °C no larger changes are expected over the weekend.

Åland Sea

The area is mainly ice-free.

With air temperatures around 0 °C no larger changes are expected over the weekend.

Archipelago Sea

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

With light frost no larger changes are expected over the weekend.

Gulf of Finland

From St Petersburg to Kotlin, there is fast ice, 20–35 cm thick. Further west, there is very open ice to about Šepelevskij. Further out to Seskar and northwards to Vyborg Bay is first close ice followed by open, 5–20 cm thick ice. In Vyborg Bay, there is 15–30 cm thick fast ice and very open ice 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 light frost expected over the weekend, new ice formation will occur at places at and near the coast. The ice will drift to the east.

Gulf of Riga

In Pärnu Bay, there is 3–10 cm thick, very close ice with thaw holes to the line Valgeranna – Uulu. Further out to the line Lindi – Suurna is open wa-

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

X. Lange

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	I	17.02.
	Rundvik, Husum, Örnsköldsvik and Köpmanholmen	2000 dwt	II	04.03.
	Ångermanälven	2000 dwt	IA	22.01.
	Härnösand, Söråker, Sundsvall	2000 dwt	II	04.03.

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, 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, 14.03.2025

Paernu, port and bay 2232

Sea area ENE of Nordvalen 4046

Sea area Nordvalen to W of Norrskär 3006

Vaskiluoto – Ensten 8846

Ensten – Vaasa lighthouse 4046

Vaasa lighthouse – Norrskär 1006

Kaskinen – Sälgrund 4045

Sea area off Sälgrund 1005

Pori harb. to line Pori lighth. – Säppi 4041

Sea W of line Pori lighthouse – Säppi 1001

Rauma, Harbour – Kymäpihlaja 1001

Kymäpihlaja – Rauma lighthouse 1001

Inkoo a. Kantvik – sea area Porkkala 1001

Porvoo harbours – Varlax 1101

Valko Harbour – Täktarn 1101

Archipelago fairway Boistö – Glosholm 1101

Kotka – Viikari 1101

Viikari – Orrengrund 1101

Hamina – Suurmusta 1105

Suurmusta – Merikari 1105

Merikari – Kaunissaari 1105

Finland, 14.03.2025

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

Välimatala to line Ulkokalla – Ykskivi 4756

Sea betw. lat. of Ulkokalla – Pietarsaari 5146

Ykspihlaja – Repskär 7356

Repskär – Kokkola lighthouse 5146

Sea area off Kokkola lighthouse 5146

Pietarsaari – Kallan 7356

Sea area off Kallan 4046

Sea lat. Pietarsaari – NE Nordvalen 4046

Russian Federation, 14.03.2025

Port of St. Petersburg 530/

St. Petersburg – E-point island Kotlin 530/

E-point Kotlin – long. lighth. Tolbuhkin 530/

Lighth. Tolbuhkin – lighth. – Šepelevskij 210/

Lighthouse Šepelevskij – island Sescar 410/

Vyborg, port and bay 830/

Island Vichrevoj – Island Sommers	310/
Strait Bjerkesund	210/
E-point Bol'shoj Ber'ozovij – Šepelevskij	410/

Sweden, 14.03.2025

Karlsborg – Malören	8546
Sea area off Malören	5576
Luleå – Björnklack	8546
Björnklack – Farstugrunden	5456
E and SE of Farstugrunden	5456
Sandgrönn fairway	8446
Rödkallen – Norströmsgrund	5146
Haraholmen – Nygrån	8446
Sea area off Nygrån	5146
Skelleftehamn – Gåsören	4046
Sea area off Gåsören	4046
Sea area off Bjuröklubb	4046
NE of Nordvalen	4046
SW of Nordvalen	4046
Western Quark (W of Holmöarna)	4046
Umeå – Väktaren	4046
SE of Väktaren	4046
Fairway to Husum	1206
Örnsköldsvik – Hörnskatan	8346
Hörnskatan – Skagsudde	1206
Fairway W of Ulvöarna	1206
Ångermanälven north Sandö Bridge	8444
Ångermanälven south Sandö Bridge	8444
Härnösand – Härnön	5144
Sea area off Härnö	1204
Sundsvall – Draghällan	4046
Draghällan – Åstholmsudde	1206
Off Åstholmsudde and Brämön	1206
Hudiksvallfjärden	8342
Iggesund – Agö	1000
Sandarne – Hällgrund	5142