



Eisbericht Nr. 66

Amtsblatt des BSH

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Wednesday, 12.03.2025

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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, deichtes Eis. Ansonsten befindet sich auf See im Norden Neueis und im Süden offenes Wasser. In Norra Kvarken liegt bis 45 cm dickes Festeis in den Schären. Auf See befindet sich offenes Wasser und Neueis entlang der schwedischen Küste. In der Bottensee kommt entlang der Küste Festeis vor; im Südwesten ist es aber meist eisfrei. Im östlichen Finnischen Meerbusen kommt 20–35 cm dickes Festeis bis Kotlin vor, sowie dichtes Eis weiter westlich. In der Vyborg-Bucht liegt bis 30 cm dickes Festeis. Entlang der nördlichen Küste kommt Festeis und dünnes, ebenes 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 new ice in the north and open water in the south. In the Quark, there is up to 45 cm thick fast ice in the inner archipelagos. At sea, there is open water and new ice along the Swedish coast. Along the coast of the Sea of Bothnia there is fast 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 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 level 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 10–60 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 north west and 5–25 cm thick in the east. Else at sea in the north is new ice or ice formation. 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 new ice along the western coast. With mostly light to moderate frost new ice formation is expected the coming day. The ice will slightly drift in westerly directions.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

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

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The Quark

In the Vaasa archipelago, there is 20–45 cm thick fast ice approximately to Ensten and open water further out. Along the Swedish coast, there is 15–35 cm fast ice in bays and new ice further out to

Holmöarna. At sea, there is open water. With light frost, some new ice formation is possible the coming day.

Sea of Bothnia

In the east, there is 5–20 cm thick fast ice along the northern coast. Further out is open water. 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

Söderhamn. On Ångermanälven there is 10-40 cm thick fast ice. Further south it is mainly ice-free. With light frost along the coasts, some new ice may form in sheltered places the coming day.

Aland Sea

The area is mainly ice-free.
With temperatures around 0°C no larger changes

are expected the coming day.

Archipelago Sea

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

With light frost no larger changes are expected the coming day.

Gulf of Finland

From St Petersburg to Kotlin, there is fast ice, 10–35 cm thick. Further west, there is close, partly rafted, up to 25 cm thick ice to about a line Hamina – Koporye Bay. In Vyborg Bay, there is 15–30 cm thick fast ice. 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 along the northern and eastern coast, some ice may form in sheltered places but overall no larger changes are expected. In the east the ice will slightly drift to the west.

Gulf of Riga

In Pärnu Bay, there is 5–15 cm thick, very close ice with thaw holes to the line Valgeranna – Uulu. Further out to the line Lindi – Suurna is very open

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

W. Aldenhoff

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, Örnköldsvik 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 and POLARIS assist in the Bay of Bothnia. ZEUS assists in the Quark and in the southern 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, 12.03.2025

Paernu, port and bay 2232

Finland, 12.03.2025

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 7356

Raahe lighthouse – Nahkiainen 5356

Latitude Marjaniemi – Ulkokalla, Sea 5476

Rahja harbour – Välimatala 7356

Vaelimatala to line Ulkokalla – Ykskivi 4746

Sea betw. lat. of Ulkokalla –Pietarsaari 4046

Ykspihlaja – Repskär 7356

Repskär – Kokkola lighthouse 4046

Sea area off Kokkola lighthouse 4046

Pietarsaari – Kallan 7356

Sea area off Kallan 1706

Sea lat. Pietarsaari – NE Nordvalen 1706

Sea area ENE of Nordvalen 1706

Sea area Nordvalen to W of Norrskär 1706

Vaskiluoto – Ensten 8846

Ensten – Vaasa lighthouse 1706

Vaasa lighthouse – Norrskär 1706

Kaskinen – Sälgrund 1705

Sea area off Sälgrund 1705

Naantali and Turku – Rajakari 1101

Inkoo a. Kantvik – sea area Porkkala 1001

Porvoo harbours – Varlax 1101

Valke Harbour – Täktarn 1101

Archipelago fairway Boistö – Glosholm 1101

Kotka – Viikari 1101

Viikari – Orregrund 1101

Hamina – Suurmusta 5145

Suurmusta – Merikari 1105

Merikari – Kaunissaari 1105

Russian Federation, 12.03.2025

Port of St. Petersburg 530/

St. Petersburg – E-point island Kotlin 530/

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

Lighth. Tolbuhkin – lighth. –Šepelevskij 310/

Lighthouse Šepelevskij – island Sescar 310/

Island Sescar – Island Sommers 310/

Vyborg, port and bay 830/

Island Vichrevoj – Island Sommers 310/

Strait Bjerkesund 310/

E-point Bol'šoj Ber'ozovyj – Šepelevskij 410/

Sweden, 12.03.2025

Karlsborg – Malören	8546
Sea area off Malören	5576
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	8446
Sea area off Gåsören	1306
Sea area off Bjuröklubb	1306
NE of Nordvalen	1306
SW of Nordvalen	1306
Western Quark (W of Holmöarna)	4046
Umeå – Väktaren	4046
SE of Väktaren	4046
Fairway to Husum	1306
Örnsköldsvik – Hörnskatan	8346
Hörnskatan – Skagsudde	4046
Fairway W of Ulvöarna	1306
Ångermanälven north Sandö Bridge	8444
Ångermanälven south Sandö Bridge	8444
Härnösand – Härnön	5144
Sundsvall – Draghällan	4046
Hudiksvallfjärden	8342
Sandarne – Hällgrund	5142