



Eisbericht Nr. 63

Amtsblatt des BSH

Jahrgang 98

Nr. 63

Friday, 07.03.2025

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Übersicht

In der Bottenwiek liegt in den nördlichen Schären 10–70 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 zumeist 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 im Norden Festeis und im Süden dünnes, ebenes Eis vor. Im östlichen Finnischen Meerbusen kommt 20–35 cm dickes Festeis bis Kotlin vor, sowie sehr 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. Dünnes Eis tritt in geschützten Gebieten an den Küsten des Schärenmeeres, der Ålandsee, im Rigaischen Meerbusen sowie im Mälaren auf.

Overview

In the Bay of Bothnia, there is 10–70 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. Else at sea is mainly 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 mostly fast ice in the north and thin level ice in the south. In the eastern Gulf of Finland, there is 20–35 cm thick fast ice to Kotlin and very 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. Thin ice is present at sheltered places along the coasts of the Archipelago Sea, the Åland Sea, the Gulf of Riga as well as Lake Mälaren.

Bay of Bothnia

In the northern Bay of Bothnia, there is 10–70 cm thick fast ice to Kemi 3 and Oulu 3 in the east. At sea east of about 23°10'E, there is 10–60 cm thick, ridged and rafted, very close ice to about 64°25'N in the south. Off the fast ice in the western part is close ice to about Norströmsgrund and very open ice to about Simpsgrund and Falkensgrund. Else at

sea is mainly open water. In the southern Bay of Bothnia, there is up to 40 cm thick fast ice in the archipelagos and open water at sea.

With air temperatures above 0 °C, slow ice melt will continue over the weekend. The ice will drift to the east.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

www.bsh.de/ice

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The Quark

In the Vaasa archipelago, there is 20–45 cm thick fast ice to Ensten. 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 over the weekend.

Sea of Bothnia

In the east, there is 5–15 cm thick fast ice or level ice along the coast. Further out is open water. In the west, there is up to 30 cm thick fast ice in sheltered places in the north and thin level ice at few

places in the south. On Ångermanälven there is 5–25 cm thick fast ice.

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

Åland Sea

Very open ice is present in bays and archipelagos.

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

Archipelago Sea

In the inner archipelagos, there is thin level ice and very open ice further out.

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

Gulf of Finland

From St Petersburg to Kotlin, there is fast ice, 20–35 cm thick. Further west, there is very close, partly rafted, up to 25 cm thick ice to about 28°50'E and Vyborg Bay. Further west and south to Luga Bay is open water. In Vyborg Bay, there is 15–30 cm thick fast ice. Along the northern coast, there is

thin level ice or fast ice in sheltered places, up to 20 cm thick in the eastern part and 10 cm in the western part. Further out is open water.

With air temperatures above 0 °C, slow ice melt will continue over the weekend. The ice will drift to the east.

Gulf of Riga

In Väinameri, there is thin level ice in some sheltered places. In Pärnu Bay, there is 5–15 cm thick, very close ice to the line Valgeranna-Uulu.

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

Northern Baltic

On Lake Mälaren is open water with remnants of very open ice in sheltered places.

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.
	Ust-Luga	-	Ice 1	12.03.
Sweden	Karlsborg	4000 dwt	IA	11.02.
	Luleå	2000 dwt	IA	12.02.
	Haraholmen and Skelleftehamn	2000 dwt	IB	12.02.
	Holmsund	2000 dwt	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, ODEN, YMER, 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.

From **12th of March** tow boat-barges will not be assisted to Ust-Luga. 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 assists 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, 07.03.2025

Paernu, port and bay	2232
Moonsund	11//

Finland, 07.03.2025

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	1706
Sea betw. lat. of Ulkokalla –Pietarsaari	1706
Ykspihlaja – Repskär	7356
Repskär – Kokkola lighthouse	1706
Sea area off Kokkola lighthouse	1706
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	8846
Vaasa lighthouse – Norrskär	1706
Kaskinen – Sälgrund	1705
Sea area off Sälgrund	1705
Pori harb. to line Pori lighth. – Säppi	1102
Inkoo a. Kantvik – sea area Porkkala	2012
Helsinki harbours – Harmaja	1000
Valko Harbour – Täktarn	5142
Archipelago fairway Boistö – Glosholm	1102
Kotka – Viikari	5142
Viikari – Orrengrund	1102
Orrengrund – Tiiskeri	1102
Hamina – Suurmusta	5145
Suurmusta – Merikari	5145
Merikari – Kaunissaari	1105

Russian Federation, 07.03.2025

Port of St. Petersburg	530/
St. Petersburg – E-point island Kotlin	530/
E-point Kotlin – long. lighth. Tolbuhkin	530/
Lighth. Tolbuhkin – lighth. –Šepelevskij	520/
Vyborg, port and bay	830/
Island Vichrevoj – Island Sommers	510/
E-point Bol'šoj Ber'ozovyj – Šepelevskij	510/

Sweden, 07.03.2025

Karlsborg – Malören	8546
Sea area off Malören	5576
Luleå – Björnklack	8546
Björnklack – Farstugrunden	5356
E and SE of Farstugrunden	2326
Sandgrönn fairway	8446
Rödkallen – Norströmsgrund	8446
Haraholmen – Nygrån	8446
Sea area off Nygrån	2326
Skelleftehamn – Gåsören	8446
Sea area off Gåsören	1206
Sea area off Bjuröklubb	1206
NE of Nordvalen	1206
SW of Nordvalen	1206
Western Quark (W of Holmöarna)	1206
Umeå – Väktaren	1206
SE of Väktaren	1206
Fairway to Husum	1206
Örnsköldsvik – Hörnskatan	8346
Hörnskatan – Skagsudde	8346
Sea area off Skagsudde	1206
Fairway W of Ulvöarna	1206
Sea area E of Ulvöarna	1206
Ångermanälven north Sandö Bridge	8444
Ångermanälven south Sandö Bridge	8444
Härnösand – Härnön	5144
Sea area off Härnö	1204
Sundsvall – Draghällan	1206
Draghällan – Åstholmsudde	1206
Hudiksvallfjärden	8342
Iggesund – Agö	8342
Sea area off Agö	1201
Sandarne – Hällgrund	5142
Ljusnefjärden – Storsjungfrun	1201
Gävle – Eggegrund	1201
Öregrundsgrepen	2020
Hallstavig – Svartklubben	5142
Trälhavet – Furusund – Kapellskär	1000
Stockholm – Trälhavet – Klövholmen	1000
Köping – Kvicksund	1101
Västerås – Grönsö	1101
Grönsö – Södertälje	1101
Stockholm – Södertälje	1101
Södertälje – Fifong	2121
Fairway to Karlstad	3122
Fairway to Kristinehamn	3122