



Eisbericht Nr. 59

Amtsblatt des BSH

Jahrgang 98

Nr. 59

Monday, 03.03.2025

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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. Weiter südlich folgt dichtes und dann sehr lockeres, 10–30 cm dickes Eis. Im westlichen Teil ist 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. Ebenes Eis und Neueis tritt in geschützten Gebieten an den Küsten des Schärenmeeres, der Ålandsee, im Rigaischen Meerbusen und dem Kurischen und Frischen Haff sowie im Mälaren und Vänern auf.

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 is difficult to force at places. Further south follows close and very open, up to 30 cm thick ice. In the western part is 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 level ice and new ice are present at sheltered places along the coast of the Archipelago Sea, the Åland Sea, the Gulf of Riga and the Curonian and Vistula Lagoon as well as Lake Mälaren and Vänern.

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 23°20'E there is 10–60 cm thick, ridged and rafted, very close ice. The ice field is difficult to force at places. In the western part is open water and very open ice along the coast. In the southern Bay of Bothnia, there is up to 40 cm

thick fast ice in the archipelagos and very close to close ice further out. At sea there is open water. In the west is open water with strips and patches. With air temperatures around 0 °C no larger changes are expected the coming day. The ice will mainly drift to the east.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eiswww.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 to Ensten. Along the Swedish coast, there is 15–35 cm fast ice in bays. At sea, there is open water strips and patches at places.

With air temperatures above 0 °C, ice melt will continue the coming day. The ice will drift to the east.

Sea of Bothnia

In the east, there is 5–20 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 in the south. On Ångermanälven there is 10–40 cm thick

fast ice. Further out is ice of varying concentration in the north and open water in the south. With air temperatures above 0 °C, ice melt will continue the coming day.

Åland Sea

Thin ice or very open ice is present along the coast with open water further out in the north.

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

Archipelago Sea

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

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

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. 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 very open to close ice along the coast. In Lake Saimaa and Saimaa Canal, there is 10–40 cm thick ice. With air temperatures around 0 °C, no larger changes are expected the coming day.

Gulf of Riga

In Väinameri, there is thin level ice in sheltered places. On the fairway is open water. In Pärnu Bay, there is 5–10 cm thick very close ice to the line Lindi – Suurna and along the coast. Further

out to the line Liu – Voiste, there is very open ice and open water. With air temperatures above 0 °C, ice melt will continue the coming day.

Northern Baltic

On Lake Mälaren, there is 5–12 cm thick level ice with open water in the central part. Very open ice and at places new ice is present in the archipela-

gos along the outer coast. With air temperatures above 0 °C, ice melt will continue the coming day.

Swedish Lakes

On Lake Vänern, there is level ice at the northern coast.

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

Central Baltic

Remnants of very open ice may be found in sheltered places along the Swedish coast.

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

Southeastern Baltic

In Curonian Lagoon, there is very close 5–15 cm thick ice. Remnants of very open to very close ice may be found in Vistula Lagoon.

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	Raahe	2000 dwt	IA	02.03.
	Tornio, Kemi and Oulu	2000 dwt	IA	12.02.
	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	St. Petersburg	-	Ice 1	25.02.
	Primorsk	-	Ice 1	05.03.
	Ust-Luga	-	Ice 1	05.03.
	Vyborg	-	Ice 1	15.02.
	Vysotsk	-	Ice 1	15.02.
Sweden	Karlsborg	4000 dwt	IA	11.02.
	Luleå	2000 dwt	IA	12.02.
	Haraholmen and Skelleftehamn	2000 dwt	IB	12.02.
	Holmsund, Rundvik, Husum Örnsköldsvik and Köpmanholmen	2000 dwt	I	17.02.
	Ångermanälven	2000 dwt	IA	22.01.
	Härnösand, Söråker, Sundsvall	2000 dwt	I	17.02.
	Stocka, Hudiksvall, Iggesund, Söder- hamn, Orrskär, Norrsundet, Gävle and Skutskär	2000 dwt	II	24.02.
	Öregrund, Hargshamn, Hallstavik and Grisslehamn	2000 dwt	II	17.02.
	Köping and Västerås	2000 dwt	II	26.02.
	Bålsta	2000 dwt	II	26.02.

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, ALE, 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 **5th of March** tow boat-barges will not be assisted to Ust-Luga and Primorsk. Vessels without ice class may navigate with icebreaker assistance only.

Icebreakers: SEMYON DEZHNEV, KAPITAN SOROKIN, MUDJUG and IVAN KRUZENSTERN assist vessels to the port of St. Petersburg. KAPITAN PLACHIN assists to Ust-Luga. 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, 03.03.2025

Paernu, port and bay	5242
Moonsund	3132

Finland, 03.03.2025

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	7856
Raahe lighthouse – Nahkiainen	5856
Latitude Marjaniemi – Ulkokalla, Sea	5476
Rahja harbour – Välimatala	7756
Vaelimatala to line Ulkokalla – Ykskivi	5356
Sea betw. lat. of Ulkokalla –Pietarsaari	5356
Ykspihlaja – Repskär	7346
Repskär – Kokkola lighthouse	5346

Sea area off Kokkola lighthouse	1106
Pietarsaari – Kallan	7356
Sea area off Kallan	1106
Sea lat. Pietarsaari – NE Nordvalen	2726
Sea area ENE of Nordvalen	2726
Vaskiluoto – Ensten	8846
Ensten – Vaasa lighthouse	1106
Vaasa lighthouse – Norrskär	1106
Kaskinen – Sälgrund	5155
Sea area off Sälgrund	1105
Pori harb. to line Pori lighth. – Säppi	2122
Rauma, Harbour – Kylmäpihlaja	1102
Kylmäpihlaja – Rauma lighthouse	1102
Uusikaupunki harbour – Kirsta	1102
Kirsta – Isokari	1102
Sea area W of Märket	1102
Naantali and Turku – Rajakari	3032
Koverhar – Hästö Busö	3132
Inkoo a. Kantvik – sea area Porkkala	5042
Helsinki harbours – Harmaja	5042
Vuosaari harbour – Eestiluoto	2021
Porvoo harbours – Varlax	3032
Valko Harbour – Täktarn	5142
Archipelago fairway Boistö – Glosholm	1102
Archipelago fairway Glosholm–Helsinki	5142

Kotka – Viikari 4142
Viikari – Orrengrund 4142
Orrengrund – Tiiskeri 1102
Hamina – Suurmusta 5145
Suurmusta – Merikari 4145
Merikari – Kaunissaari 2125

Norway, 03.03.2025

Drammensfjord 2111

Russian Federation, 03.03.2025

Port of St. Petersburg 830/
St. Petersburg – E-point island Kotlin 830/
E-point Kotlin – long. lighth. Tolbuhkin 830/
Lighth. Tolbuhkin – lighth. –Šepelevskij 520/
Lighthouse Šepelevskij – island Sescar 510/
Vyborg, port and bay 830/
Island Vichrevoj – Island Sommers 510/
Strait Bjerkesund 810/
E-point Bol'šoj Ber'ozovyj – Šepelevskij 510/
Luga bay 200/
Apr. Luga bay – line Moš.-Šepel. 200/

Sweden, 03.03.2025

Karlsborg – Malören 8546
Sea area off Malören 5576
Luleå – Björnklack 8546
Björnklack – Farstugrunden 5356
E and SE of Farstugrunden 5356
Sandgrönn fairway 8446
Rödkallen – Norströmsgrund 8446
Haraholmen – Nygrån 8446
Sea area off Nygrån 2326
Skelleftehamn – Gåsören 8446
Sea area off Gåsören 2326
Sea area off Bjuröklubb 2226
NE of Nordvalen 1206
SW of Nordvalen 1206
Western Quark (W of Holmöarna) 2226
Umeå – Väktaren 3226
SE of Väktaren 1206
Fairway to Husum 1206
Örnsköldsvik – Hörnskatan 8346
Hörnskatan – Skagsudde 8346
Sea area off Skagsudde 2226
Fairway W of Ulvöarna 4236
Sea area E of Ulvöarna 1206
Ångermanälven north Sandö Bridge 8444
Ångermanälven south Sandö Bridge 8444
Härnösand – Härnön 5144
Sea area off Härnön 2224
Sundsvall – Draghällan 2226
Draghällan – Åstholmsudde 2226
Hudiksvallfjärden 8346
Iggesund – Agö 8346
Sea area off Agö 1206
Sandarne – Hällgrund 5146
Ljusnefjärden – Storjungfrun 1206
Gävle – Eggegrund 5146
Öregrundsgrepen 4046

Hallstavik – Svartklubben 5146
Trälhavet – Furusund – Kapellskär 2020
Stockholm – Trälhavet – Klövholmen 2020
Köping – Kviksund 5244
Västerås – Grönsö 5244
Grönsö – Södertälje 1004
Stockholm – Södertälje 5244
Södertälje – Fifong 2124
Norrköping – Hargökalv 2121
Fairway to Karlstad 5142
Fairway to Kristinehamn 5142