



Eisbericht Nr. 58

Amtsblatt des BSH

Jahrgang 98

Nr. 58

Friday, 28.02.2025

1

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 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 bis ungefähr Seskar. 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 to about Seskar. 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°00'E and to 64°30'N in the south, 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 with strips

and patches at places. In the southern Bay of Bothnia, there is up to 40 cm thick fast ice in the archipelagos. At sea in the east, there is close, 10–30 cm thick partly rafted ice with open water in places along the coast to about Kallan. Further south is very open ice or open water. In the west is

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

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

© BSH - Alle Rechte vorbehalten

Nachdruck, auch auszugsweise, verboten

Eisauskünfte / Ice Information

Telefon: +49 (0) 381 4563 -780

Telefax: +49 (0) 381 4563 -949

E-Mail: ice@bsh.de

© BSH - All rights reserved

Reproduction in whole or in part prohibited

open water with strips and patches. With air temperatures around 0 °C and light night frost, no larger changes are expected over the

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.

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

Åland Sea

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

Archipelago Sea

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

Gulf of Finland

From St Petersburg to Kotlin, there is fast ice, 20–35 cm thick. Further west to about the island Seskar, there is very close, up to 25 cm thick ice. Further west and south to Luga Bay is mainly open water with a narrow strip of close drift ice. In Vyborg Bay, there is 15–30 cm thick fast ice. Along the northern coast, there is thin level ice or fast ice

Gulf of Riga

In Väinameri, there is thin level ice in sheltered places. On the fairway is open water. In Pärnu Bay, there is 5–15 cm thick very close ice to the line Lindi – Suurna and along the coast. Further out to the line Liu – Voiste, there are very open ice

Northern Baltic

On Lake Mälaren, there is 5–12 cm thick level ice with open water in the central part. New ice and at places thin ice is present in the archipelagos along the outer coast.

Swedish Lakes

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

Central Baltic

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

Southeastern Baltic

In Curonian Lagoon, there is very close 10–15 cm thick, partly rafted ice. In Vistula Lagoon is mostly 3–10 cm thick, very close ice.

weekend but some ice formation is possible. The ice will mainly drift to the northeast/east.

With air temperatures around 0 °C and some night frost, no larger changes are expected but some ice may form. The ice will drift to the northeast/east.

fast ice. Further out is ice of varying concentration in the north and open water in the south.

With air temperatures slightly above or around 0 °C and some night frost in the northern part, no larger changes are expected over the weekend.

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

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

in sheltered places, up to 20 cm thick in the eastern part and 10 cm in the western part. In Lake Saimaa and Saimaa Canal, there is 10–40 cm thick ice.

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

and open water.

With air temperatures above or around 0 °C, no larger changes but some ice melt are expected over the weekend.

With air temperatures mostly above 0 °C and some night frost, overall some ice melt is expected over the weekend.

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

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

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

Skagerrak and Kattegat

New ice or thin level ice may be found in sheltered places along the Norwegian coast.

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

W. Aldenhoff

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Raahe	2000 dwt	IB	08.01.
	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 and SISU assist in the Bay of Bothnia. ZEUS and ALE assist in the Quark and in the southern Bay of Bothnia. TYRSKY assists in the Lake Saimaa.

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 NIKOLAEV and KAPITAN PLACHIN assist to Ust-Luga. K. IZMAYLOV assists to Vyborg and Vysotsk. VLADIVOSTOK 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
---	--

Estonia, 28.02.2025

Shipping route from Narva-Jõssuu	1///
Paernu, port and bay	5242
Moonsund	3132

Finland, 28.02.2025

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	8346
Vaelimatala to line Ulkokalla – Ykskivi	4356
Sea betw. lat. of Ulkokalla –Pietarsaari	4356
Ykspihlaja – Repskär	7346
Repskär – Kokkola lighthouse	5346
Sea area off Kokkola lighthouse	4356
Pietarsaari – Kallan	7356
Sea area off Kallan	4356
Sea lat. Pietarsaari – NE Nordvalen	2726
Sea area ENE of Nordvalen	1106
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	8742	Hudiksvallfjärden	8346
Rauma, Harbour – Kylmäpihlaja	1102	Iggesund – Agö	8346
Kylmäpihlaja – Rauma lighthouse	1102	Sandarne – Hällgrund	5146
Uusikaupunki harbour – Kirsta	5142	Ljusnefjärden – Störjungfrun	1206
Kirsta – Isokari	1102	Gävle – Eggegrund	5146
Sea area W of Märket	1102	Sea area off Eggegrund	1206
Naantali and Turku – Rajakari	5142	Sea area off Orskär	1206
Koverhar – Hästö Busö	4142	Öregrundsgrepen	4046
Inkoo a. Kantvik – sea area Porkkala	5142	Hallstavik – Svartklubben	5146
Helsinki harbours – Harmaja	5142	Stockholm – Trälhavet – Klövholmen	4041
Vuosaari harbour – Eestiluoto	4041	Köping – Kvicksund	5244
Porvoo harbours – Varlax	5041	Västerås – Grönsö	5244
Valko Harbour – Täktarn	5152	Grönsö – Södertälje	1004
Archipelago fairway Glosholm–Helsinki	4041	Stockholm – Södertälje	5244
Kotka – Viikari	5152	Södertälje – Fifong	5144
Viikari – Orrergrund	5152	Norrköping – Hargökalv	2121
Hamina – Suurmusta	5155	Västervik – Marsholmen – Idö	2020
Suurmusta – Merikari	5155	Fairway to Karlstad	5142
		Fairway to Kristinehamn	5142

Russian Federation, 28.02.2025

Port of St. Petersburg	840/
St. Petersburg – E-point island Kotlin	840/
E-point Kotlin – long. lighth. Tolbuhkin	840/
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	210/
Appr. Luga bay – line Moš.-Šepel.	210/

Sweden, 28.02.2025

Karlsborg – Malören	8546
Sea area off Malören	5576
Luleå – Björnklack	8546
Björnklack – Farstugrunden	5366
E and SE of Farstugrunden	1206
Sandgrönn fairway	8446
Rödkallen – Norströmsggrund	8446
Haraholmen – Nygrån	8446
Sea area off Nygrån	4356
Skelleftehamn – Gåsören	8446
Sea area off Gåsören	1206
Sea area off Bjuröklubb	8446
NE of Nordvalen	1206
SW of Nordvalen	1206
Western Quark (W of Holmöarna)	1206
Umeå – Väktaren	8446
Fairway to Husum	2226
Örnsköldsvik – Hörnskatan	8346
Hörnskatan – Skagsudde	8346
Fairway W of Ulvöarna	4256
Ångermanälven north Sandö Bridge	8444
Ångermanälven south Sandö Bridge	8444
Härnösand – Härnön	5144
Sea area off Härnön	2224
Sundsvall – Draghällan	2226
Draghällan – Ästholmsudde	2226
Off Ästholmsudde and Brämön	2226