



Eisbericht Nr. 60

Amtsblatt des BSH

Jahrgang 98

Nr. 60

Tuesday, 04.03.2025

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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. 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 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. 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 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°10'E, there is 10–60 cm thick, ridged and rafted, very close ice to about 64°25'N in the south. The ice field is difficult to force at places. Off the fast ice in the western part is open ice to about Simprund and Norströmsgrund. 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 very close to close ice further out in the east. At sea, there is open water.

With air temperatures around 0 °C no larger changes are expected the coming day. The ice will mainly drift to the east and northeast.

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 to Ensten. Along the Swedish coast, there is 15–35 cm fast ice in bays and very open ice further out. At sea, there is mainly open water.

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

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 at few places 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 new ice is present in bays and archipelagos.

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 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 to about 28°30'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 around 0 °C, no larger changes are expected the coming day. The ice will drift to east/northeast.

Gulf of Riga

In Väinameri, there is thin level ice in some 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.

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

Northern Baltic

On Lake Mälaren, there is 5–10 cm thick level ice or open ice. In the central parts is open water. In inner bays or archipelagos along the outer coast,

remnants of thin ice may be found.

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

Swedish Lakes

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

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

Central Baltic

Remnants of thin 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 and Vistula Lagoon is mostly open water with very close ice at places along the eastern coast.

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	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.
	Primorsk	-	Ice 1	05.03.
	St. Petersburg	-	Ice 1	25.02.
	Ust-Luga	-	Ice 1	05.03.
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.
	Stocka, Hudiksvall, Iggesund, Söderhamn, Orrskär, Norrsundet, Gävle and Skutskär	-	cancelled	04.03.
	Öregrund, Hargshamn, Hallstavik and Grisslehamn	-	cancelled	04.03.
	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, 04.03.2025

Paernu, port and bay	5242
Moonsund	2132

Finland, 04.03.2025

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	7356
Välimatala to line Ulkokalla – Ykskivi	5356
Sea betw. lat. of Ulkokalla –Pietarsaari	1716
Ykskivilaja – Repskär	7356
Repskär – Kokkola lighthouse	5356

Sea area off Kokkola lighthouse	1106
Pietarsaari – Kallan	7356
Sea area off Kallan	1106
Sea lat. Pietarsaari – NE Nordvalen	1106
Sea area ENE of Nordvalen	1106
Sea area Nordvalen to W of Norrskär	2126
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 – Kymäpihlaja	1102
Kymäpihlaja – Rauma lighthouse	1102
Uusikaupunki harbour – Kirsta	1102
Kirsta – Isokari	1102
Sea area W of Märket	1102
Koverhar – Hästö Busö	3132
Inkoo a. Kantvik – sea area Porkkala	5042
Helsinki harbours – Harmaja	5042
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

Norway, 03.03.2025

Drammensfjord 2111

Russian Federation, 04.03.2025

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'soj Ber'ozovyj – Šepelevskij 510/
Luga bay 200/
Appr. Luga bay – line Moš.-Šepel. 200/

Sweden, 04.03.2025

Karlsborg – Malören 8546
Sea area off Malören 5576
Luleå – Björnklack 8546
Björnklack – Farstugrunden 5366
E and SE of Farstugrunden 4356
Sandgrönn fairway 8446
Rödkallen – Norströmsgrund 8446
Haraholmen – Nygrån 8446
Sea area off Nygrån 1206
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) 2226
Umeå – Väktaren 2226
SE of Väktaren 2226
Fairway to Husum 1206
Örnsköldsvik – Hörnskatan 8346
Hörnskatan – Skagsudde 8346
Sea area off Skagsudde 2226
Fairway W of Ulvöarna 2226
Sea area E of Ulvöarna 1206
Ångermanälven north Sandö Bridge 8444
Ångermanälven south Sandö Bridge 8444
Härnösand – Härnön 5144
Sea area off Härnön 1204
Sundsvall – Draghällan 1206
Draghällan – Ästholsudde 1206
Hudiksvallfjärden 8342
Iggesund – Agö 8342
Sea area off Agö 1201
Sandarne – Hällgrund 5142
Ljusnefjärden – Storjungfrun 1201
Gävle – Eggegrund 3122
Öregrundsgrepen 4041
Hallstavik – Svartklubben 5142
Trälhavet – Furusund – Kapellskär 1000
Stockholm – Trälhavet – Klövholmen 1000

Köping – Kviksund 3124
Västerås – Grönsö 3124
Grönsö – Södertälje 1004
Stockholm – Södertälje 3124
Södertälje – Fifong 2124
Norrköping – Hargökalv 1000
Fairway to Karlstad 3122
Fairway to Kristinehamn 3122