



Eisbericht Nr. 51

Amtsblatt des BSH

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Übersicht

In der Bottenwiek liegt in den nördlichen Schären 30–70 cm dickes Festeis und in den südlichen Schären bis 35 cm dickes Festeis. Auf See treibt im Norden bis 60 cm dickes, sehr dichtes, teilweise aufgeschobenes oder aufgedrücktes Eis. Ansonsten befindet sich auf See 10–20 cm dickes, sehr dichtes und teilweise aufgeschobenes Eis, das entlang der finnischen Küste bis 30 cm dick ist. In Norra Kvarken liegt bis 40 cm dickes Festeis in den Schären. Auf See befindet sich bis 20 cm dickes, sehr dichtes Eis oder ebenes Eis. In der Bottensee kommt entlang der Küste im Norden Festeis und im Süden dünnes Eis vor. Weiter außerhalb ist im Westen Neueis und im Osten dünnes Eis. Im östlichen Finnischen Meerbusen kommt 20–35 cm dickes Festeis bis Kotlin sowie bis 25 cm dickes, sehr dichtes Eis bis zur Insel Moščnyj vor. Weiter westlich folgt lockeres Eis. In der Vyborg-Bucht liegt bis 30 cm dickes Festeis. Entlang der nördlichen Küste kommt Festeis und dünnes, ebenes Eis sowie Neueis weiter außerhalb 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. Neueis kann örtlich in sehr geschützten Gebieten der gesamten Ostseeküste auftreten.

Overview

In the Bay of Bothnia, there is 30–70 cm thick fast ice in the northern archipelagos and up to 35 cm thick fast ice in the southern archipelagos. At sea in the north, there is very close, up to 60 cm thick and partly ridged or rafted ice. Else at sea, there is 10–20 cm thick, partly rafted very close ice, up to 30 cm thick ice along the Finnish coast. In the Quark, there is up to 40 cm thick fast ice in the inner archipelagos. At sea, there is up to 20 cm thick, very close ice and level ice. Along the coast of the Sea of Bothnia there is mostly fast ice in the north and thin ice in the south. Further out there is new ice in the west and thin ice in the east. In the eastern Gulf of Finland, there is 20–35 cm thick fast ice to Kotlin and very close, up to 25 cm thick ice to the island Moščnyj. Further west is open ice. 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 and new ice further out. 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. New ice may occur at sheltered places along the entire Baltic Sea coast.

Bay of Bothnia

In the northern Bay of Bothnia, there is 30–70 cm thick fast ice to Kemi 3 and Oulu 3 in the east. Off the fast ice, there is 20–50 cm consolidated ice in the east. In the west and north, there is 3–8 cm

thick level ice off the fast ice. In the southern Bay of Bothnia, there is up to 35 cm thick fast ice in the archipelagos. At sea in the northeast, there is very close, 20–60 cm thick ice. In the central part is very

Herstellung und Vertrieb

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close, 20–50 cm thick. The ice field is partly ridged and rafted. Else at sea is mainly rafted, 10–20 cm thick very close ice, up to 30 cm thick along the Finnish coast.

The Quark

In the Vaasa archipelago, there is 20–40 cm thick fast ice to Ensten and 10–30 cm thick, very close ice to Vaasa lighthouse. Along the Swedish coast, there is 15–35 cm fast ice in bays. At sea north of about 63°55'N, there is 5–15 cm thick level ice in

With mainly moderate frost, ice formation and ice growth will continue the coming day. The ice will drift to the southeast/east.

the west and very close, 10–20 cm thick ice in the east.

With continuous light to moderate frost, ice formation will continue the coming day. The ice will drift slowly to the east/northeast.

Sea of Bothnia

In the east, there is 5–20 cm thick fast or thin level ice along the coast. At the ice edge is shuga in places and further out is thin drift ice in places. In the west, there is thin level ice or fast ice in sheltered places. On Ångermanälven there is 10–40 cm thick fast ice and in the bay to Hudiksvall is up

to 30 cm thick ice. Further out, there is new ice and in the northern part 5–15 cm thick, open ice.

With continuous light to moderate frost, ice formation and growth will continue the coming day. A slight easterly ice drift is expected in the north.

Åland Sea

Thin ice or new ice is present along the coast. With continuous light to moderate frost, ice for-

mation and ice growth will continue the coming day.

Archipelago Sea

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

With continuous light to moderate frost, ice formation 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, 15–25 cm thick ice along the southern coast to Luga Bay. Else at sea, there is 5–15 cm thick level ice to the island Moščnyj. Further west to Sommers is open ice and new ice in the north to Gogland. In Vyborg Bay, there is 15–30 cm thick fast ice and thin, very close ice in the entrance. Along the northern coast there is thin level ice or fast ice in

sheltered places, up to 20 cm thick in the eastern part. In the east, there is thin level ice off the coast followed by new ice. In the west there is new ice further out. In Bays along the southern coast is new ice in places. In Lake Saimaa and Saimaa Canal, there is 10–40 cm thick ice.

With continuous light to moderate frost, ice formation and ice growth will continue the coming day. The ice will drift slightly to southeast/east.

Gulf of Riga

In Väinameri, there is new ice between the islands and thin ice along the coasts. In Pärnu Bay, there is 5–10 cm thick level ice along the coasts and new ice or thin drift ice to slightly south of Kihnu. In

Latvian ports, there is very open ice or open water. With continuous light to moderate frost, ice formation and ice growth will continue the coming day.

Northern Baltic

On Lake Mälaren, there is 5–12 cm thick level ice with new ice in the central part. New ice is present in the archipelagos along the outer coast.

With mostly light to moderate frost, ice formation and ice growth will continue the coming day.

Swedish Lakes

New or thin level ice is present along the northern and eastern coast of Lake Vänern.

With night frost and daily temperatures around 0 °C, some ice may form in coastal areas.

Central Baltic

New ice may be found in sheltered places along the Swedish coast.

With night frost some ice may form in coastal areas.

Southeastern Baltic

In Curonian Lagoon, there is very close 10–13 cm

thick partly rafted ice. In Vistula Lagoon is 3–10 cm

thick, very close ice or level ice.
With temperatures around 0°C and light night frost

some ice growth is expected the coming day.

Western and Southern Baltic, Belt and Sound

New ice is present in sheltered places along the coast.

With day temperatures above 0 °C and night frost some new ice may form at sheltered places.

Skagerrak and Kattegat

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

With day temperatures around 0 °C and light night frost some new ice may form at sheltered places.

W. Aldenhoff

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Raahe	2000 dwt	IB	08.01.
	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	25.02.
	Ust-Luga	-	Ice 1	26.02.
	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, Stocka, Hudiksvall, Iggesund, Söderhamn, Orrskär, Norrsundet, Skutskär	2000 dwt	I	17.02.
	Gävle	2000/4000 dwt	IC/II	17.02.
	Öregrund, Hargshamn, Hallstavik and Grisslehamn	2000 dwt	II	17.02.
	Köping and Västerås	2000 dwt	IC	07.01.
	Bålsta	2000 dwt	IC	15.02.

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 and Primorsk. Vessels without ice class may navigate with icebreaker assistance only.

From **26th of February** tow boat-barges will not be assisted to Ust-Luga. Vessels without ice class may navigate with icebreaker assistance only.

Icebreakers: SEMYON DEZHNEV, KAPITAN SOROKIN, MUDJUG, KAPITAN NIKOLAEV, KAPITAN PLACHIN and IVAN KRUZENSTERN assist vessels to the port of St. Petersburg. 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 after special permission 8 Navigation temporarily closed 9 Navigation has ceased / Unknown
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Estonia, 19.02.2025

Shipping route from Narva-Jõssuu	4031
Kunda, port and bay	300/
Paernu, port and bay	4131
Moonsund	4131

Finland, 19.02.2025

Röyttä – Etukari	8546
Etukari – Ristinmatala	6856
Ajos – Ristinmatala	6856
Ristinmatala – Kemi 2	6856
Kemi 2 – Kemi 1	5456

Sea area SW of Kemi 1	5456
Kemi 2 – Ulkokrunni – Virpiniemi	6856
Oulu harbours – Kattilankalla	8546
Kattilankalla – Oulu 1	6856
Sea area SW of Oulu 1	5456
High Sea N of the latitude of Marjaniemi	5456
Raahe harbour – Heikinkari	7356
Heikinkari – Raahe lighthouse	5356
Raahe lighthouse – Nahkiainen	5356
Latitude Marjaniemi – Ulkokalla, Sea	5856
Rahja harbour – Välimatala	7356
Vaelimatala to line Ulkokalla – Ykskivi	5356

Sea betw. lat. of Ulkokalla –Pietarsaari	5856
Ykspihlaja – Repskär	7356
Repskär – Kokkola lighthouse	5356
Sea area off Kokkola lighthouse	5356
Pietarsaari – Kallan	8346
Sea area off Kallan	5356
Sea lat. Pietarsaari – NE Nordvalen	5356
Sea area ENE of Nordvalen	5756
Sea area Nordvalen to W of Norrskär	5756
Vaskiluoto – Ensten	8846
Ensten – Vaasa lighthouse	5746
Vaasa lighthouse – Norrskär	5746
Sea area SW of Norrskär	5146
Kaskinen – Sälgrund	2125
Sea area off Sälgrund	2125
High sea from N to latitude Yttergrund	5145
Pori harb. to line Pori lighth. – Säppi	2001
Rauma, Harbour – Kymäpihlaja	5152
Uusikaupunki harbour – Kirsta	4041
Kirsta – Isokari	4041
Sea area W of Märket	3001
Naantali and Turku – Rajakari	5142
Rajakari – Lövskär	4041
Lövskär – Korra	4041
Hanko – Vitgrund	4041
Koverhar – Hästö Busö	5142
Hästö Busö – Ajax	4041
Inkoo a. Kantvik – sea area Porkkala	5142
Helsinki harbours – Harmaja	3132
Harmaja – Helsinki lighthouse	1000
Fairway Helsinki – Porkkala – Rönnskär	3001
Vuosaari harbour – Eestiluoto	3132
Eestiluoto – Helsinki lighthouse	1000
Porvoo harbours – Varlax	4041
Varlax – Porvoo lighthouse	3001
Porvoo lighthouse – Kalbådagrund	2001
Valko Harbour – Täktarn	5142
Archipelago fairway Boistö – Glosholm	3001
Archipelago fairway Glosholm–Helsinki	3001
Kotka – Viikari	5142
Viikari – Orregrund	4041
Orregrund – Tiiskeri	3001
Tiiskeri – Kalbådagrund	3001
Hamina – Suurmusta	5145
Suurmusta – Merikari	5145
Merikari – Kaunissaari	5145

Germany, 19.02.2025

Rostock – Warnemünde	3001
Wismar – Walfisch	2000
Holtenau – Laboe	1000

Latvia, 19.02.2025

Port of Riga	2000
Port of Ventspils	1000
Port of Liepaya	1000

Norway, 19.02.2025

Skåtøysund (Kragerø)	8042
Langårsund (Kragerø)	8143

Kragerøfjord	3021
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Russian Federation, 19.02.2025

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/
Island Sescar – Island Sommers	510/
Vyborg, port and bay	830/
Island Vichrevoj – Island Sommers	510/
Strait Bjerkesund	810/
E-point Bol'šoj Ber'ozovyj – Šepelevskij	410/
Luga bay	310/
Appr. Luga bay – line Moš.-Šepel.	410/

Sweden, 19.02.2025

Karlsborg – Malören	8546
Sea area off Malören	5156
Luleå – Björnklack	8546
Björnklack – Farstugrunden	5156
E and SE of Farstugrunden	5156
Sandgrönn fairway	8446
Rödkallen – Norströmsgrund	8446
Haraholmen – Nygrån	8446
Sea area off Nygrån	5156
Skelleftehamn – Gåsören	8446
Sea area off Gåsören	8446
Sea area off Bjuröklubb	8446
NE of Nordvalen	5356
SW of Nordvalen	5256
Western Quark (W of Holmöarna)	5356
Umeå – Väktaren	8446
SE of Väktaren	5256
NE and SE of Sydostbrotten	5256
Fairway to Husum	5256
Örnsköldsvik – Hörnskatan	8346
Hörnskatan – Skagsudde	8346
Sea area off Skagsudde	5256
Fairway W of Ulvöarna	5246
Sea area E of Ulvöarna	4046
Ångermanälven north Sandö Bridge	8444
Ångermanälven south Sandö Bridge	8444
Härnösand – Härnön	5144
Sea area off Härnön	4046
Sundsvall – Draghällan	4046
Draghällan – Ästholmsudde	4046
Off Ästholmsudde and Brämön	4046
Hudiksvallfjärden	8346
Iggesund – Agö	5246
Sandarne – Hällgrund	5146
Sea area off Hällgrund	4046
Ljusnefjärden – Störjungfrun	4046
Sea area off Störjungfrun	4046
Gävle – Eggegrund	5146
Öregrundsgrepen	4046
Sea area off Svartklubben	4046
Hallstavik – Svartklubben	5146
Trälhavet – Furusund – Kapellskär	4041
Stockholm – Trälhavet – Klövholmen	4041

Klövholmen – Sandhamn	4041
Trollharan – Langgarn	4041
Mysingen	4041
Köping – Kvicksund	5244
Västerås – Grönsö	5244
Grönsö – Södertälje	5244
Stockholm – Södertälje	5144
Södertälje – Fifong	5144
Norrköping – Hargökalv	4041
Järnverket-Lillhammaren – N Kränkan	4041
Fairway to Gruvön	4041
Fairway to Karlstad	5142
Fairway to Kristinehamn	5142
Fairway to Otterbäcken	4041