

Eisbericht Nr. 26 Amtsblatt des BSH

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Übersicht

In der Bottenwiek liegt in den nördlichen Schären 15–45 cm dickes Festeis. Weiter außerhalb folgt im Nordosten sehr dichtes, 10–30 cm dickes Eis und im Nordwesten sehr dichtes bis dichtes, 5–20 cm dickes Eis sowie sehr lockeres Eis. In den südlichen Schären liegt bis 25 cm dickes Festeis und etwas weiter außerhalb treibt lockeres oder dichtes Eis. In Norra Kvarken liegt bis 25 cm dickes Festeis und dünnes Eis etwas weiter außerhalb. In der Bottensee kommt entlang der Küste im Norden Festeis und im Süden dünnes Eis vor. Im östlichen Finnischen Meerbusen kommt 10–20 cm dickes Eis vor St. Petersburg und in der Vyborg-Bucht vor. Ansonsten tritt ebenes Eis und Neueis lokal in geschützten Gebieten an den Küsten des Schärenmeeres, der Ålandsee, sowie im nördlichen Finnischen Meerbusen und im Rigaischen Meerbusen auf.

Overview

In the Bay of Bothnia, there is 15–45 cm thick fast ice in the northern archipelagos. Further out, there is very close 10–30 cm thick ice in the northeast and very close to close, 5–20 cm thick ice as well as very open ice in the northwest. In the southern archipelagos, there is up to 25 cm thick fast ice and open or close ice further out. In the Quark, there is up to 25 cm thick fast ice in the inner archipelagos and thin ice slightly further out. Along the coast of the Sea of Bothnia there is mostly fast ice in the north and thin ice in the south. In the eastern Gulf of Finland, there is 10–20 cm thick ice at St. Petersburg and in the Vyborg Bay. Else, there is thin level ice and new ice at some sheltered places along the northern coast of the Gulf of Finland, the Archipelago Sea, the Åland Sea, Lake Mälaren and the Gulf of Riga.

Bay of Bothnia

In the northern Bay of Bothnia, there is 15–45 cm thick fast ice; in the east approximately to Kemi-3 and Hammasmatala. Further out in the northeast, there is mostly 5–30 cm thick very close ice to Kemi-1 and Oulu-2 and new ice further out. Off the fast ice in the northwest, there is first some new ice followed by very close to close, 5–20 cm thick ice

and very open drift ice. In the southern Bay of Bothnia, there is up to 25 cm fast ice along the coast. Off the coast is close to open ice in the east and open ice in the west.

With increasing temperatures to slightly above 0 °C at sea, no ice growth is expected. The ice will drift to the northeast/east.

The Quark

In the Vaasa archipelago, there is 10–25 cm thick fast ice to Ensten and thin ice further out. Along the Swedish coast, there is 10–20 cm thick fast ice

in inner bays. Further out, there is thin open ice. At sea it is mostly ice-free.

With air temperatures around or slightly above

Herstellung und Vertrieb

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0 °C no larger changes are expected. The ice will

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In the east, there is 5–15 cm thick fast ice or thin level ice along the coast in the north and thin ice in the south. Along the coast in the west, there is thin level ice and new ice further out in the north. On Ångermanälven there is 5–20 cm thick fast ice.

Aland Sea

New ice or thin close ice is present in some sheltered places.

Archipelago Sea

Open new ice may be found along the coast and in sheltered places of the archipelago.

Gulf of Finland

From St Petersburg to lighthouse Tolbuchin there is very close ice, 10–20 cm thick. In the upper part of Vyborg Bay, there is 10–20 cm thick fast ice. Along the northern coast, there is thin level ice in the east and new ice in the west. In Lake Saimaa

Gulf of Riga

In Väinameri, there is new ice and thin level ice in sheltered areas. New ice is present at places near the coast in Pärnu Bay. The fairway is ice-free.

Northern Baltic

On Lake Mälaren there is 2–10 cm thick level ice in the western part with some areas of very open ice. The central part is ice-free. In the eastern part and

Central Baltic

Remains of new ice may be found at some sheltered places along the northern the Swedish coast.

Swedish Lakes

New ice or thin level ice is present at places in the northeast and at some sheltered places in the south of Lake Vänern.

Skagerrak and Kattegat

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

Dr. W. Aldenhoff

drift to the northeast/east.

South of Hudiksvall there is thin close ice along the coast.

With air temperatures mostly around 0°C no larger changes are expected the coming day but some ice melt may occur in the south.

With air temperatures mostly slightly above 0°C some ice melt is expected the coming day.

With air temperatures mostly slightly above 0°C some ice melt is expected the coming day.

and Saimaa Canal, there is 10–30 cm thick ice. With temperatures around 0 °C no larger changes are expected the coming day, with some ice melt in the western part.

With air temperatures slightly above 0°C some ice melt may occur the coming day.

along the outer coast there is new ice in places. With air temperatures slightly above 0°C some ice melt may occur the coming day.

With air temperatures mostly slightly above 0°C some ice melt is expected the coming day.

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Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio, Kemi, Oulu and Raahe	2000 dwt	IB	08.01.
	Kalajoki	2000 dwt	I	07.01.
	Kokkola, Pietarsaari and Vaasa	2000 dwt	 	07.01.
	Kaskinen, Kotka and Hamina	2000 dwt	II	07.01.
	Lake Saimaa and Saimaa Canal	2000 dwt	l	11.01.
	Lake Saimaa and Saimaa Canal	2000 dwt	IB	16.01.
Russia	St. Petersburg	-	Ice 1	28.01.
	Vyborg	-	Ice 1	24.01.
	Vysotsk	-	Ice 1	24.01.
Sweden	Karlsborg and Luleå	2000 dwt	IB	07.01.
	Haraholmen and Skelleftehamn	2000 dwt	IC	07.01.
	Holmsund, Rundvik, Husum Örnsköldsvik and Köpmanholmen	2000 dwt	II	07.01.
	Ångermanälven	2000 dwt	IB	07.01.
	Härnösand, Söråker, Sundsvall, Stocka, Hudiksvall, Iggesund, Söderhamn, Orrskär, Norrsundet, Gävle, Skutskär, Öregrund, Hargshamn, Hallstavik, Grisslehamn, Kappelskär, Stockholm, Nynäshamn, Södertälje, Oxelösund and Norrköping	2000 dwt	II	11.01.
	Köping and Västerås	2000 dwt	IC	07.01.
	Bålsta	2000 dwt	II	15.01.
	Trollhätte Canal and Göta Älv	2000 dwt	II	11.01.
	Vänern	2000 dwt	II	11.01.

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.

Icebreakers: KONTIO, ALE, ATLE, OTSO and SISU assist in the Bay of Bothnia. ZEUS assists in the Quark and in the southern Bay of Bothnia. TYRSKY assists in the Lake Saimaa.

Russia

From 24th of January tow boat-barges will not be assisted to Vyborg and Vysotsk. Vessels without ice class may navigate with icebreaker assistance only.

From 28th of January tow boat-barges will not be assisted to St. Petersburg. Vessels without ice class may navigate with icebreaker assistance only.

Icebreakers: IVAN KRUZENSTERN and K. PLAKHIN assist vessels to the port of St. Petersburg. K. IZMAYLOV assists to Vyborg and Vysotsk.

Baltic Sea Ice Code

As Amount and arrangements of sea ice 1 O Ice free 1 Open water – concentration less than 1/10 2 Very open ice – concentration 1/10 to 3/10 3 Open ice – concentration 7/10 to 8/10 4 Close ice – concentration 9/10 to 9+10 6 Compact ice, including consolidated ice – concentration 10/10 7 East ice with drift ice outside 8 Fast ice 9 Lead in very close or compact drift ice or along the fast lce edge 1 Unable to report Third number: Table Topography or form of ice 1 Pancake ice, ice cakes, brash ice – less than 20 m across 2 Medium ice floes – 20 to 100 m across 3 Sinall ice floes – 20 to 100 m across 4 Vast or giant ice floes – more than 2000 m across of Raffed ice 5 Raffed 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 1 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, second stage (50 - 70 cm thick) 5 White ice, second stage (50 - 70 cm thick) 6 Medium first stage (30 - 50 cm thick) 7 Ice predominantly thince than 15 cm with some thicker ice 9 Lead in very close or compact drift ice or along the fast lice edge 1 Unable to report Third number: Table Topography or form of ice 1 Navigation unobscured 2 Navigation difficult or dangerous for wooden vessels without ice sheathing not advisable or navigation in ice 3 Navigation proceeds in lead or broken ice-channel without the assistance of an icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size 1 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size 2 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size 3 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size 4 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size 5 Icebreaker as	First number:	Second number:
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Estonia, 15.01.2025		Sea area Nordvalen to W of Norrskär	0//6
Paernu, port and bay	10/0	Vaskiluoto – Ensten	8346
Moonsund	1//0	Ensten – Vaasa lighthouse	5146
		Vaasa lighthouse – Norrskär	0//6
Finland, 15.01.2025		Sea area SW of Norrskär	0//6
Röyttä – Etukari	8846	Kaskinen – Sälgrund	8145
Etukari – Ristinmatala	7356	Sea area off Sälgrund	0//5
Ajos – Ristinmatala	7756	Pori harb. to line Pori lighth. – Säppi	1000
Ristinmatala – Kemi 2	5356	Rauma, Harbour – Kylmäpihlaja	2021
Kemi 2 – Kemi 1	5376	Uusikaupunki harbour – Kirsta	3032
Sea area SW of Kemi 1	2016	Naantali and Turku – Rajakari	1000
Kemi 2 – Ulkokrunni – Virpiniemi	7356	Inkoo a. Kantvik – sea area Porkkala	2011
Oulu harbours – Kattilankalla	8876	Helsinki harbours – Harmaja	1000
Kattilankalla – Oulu 1	7376	Valko Harbour – Täktarn	5142
Sea area SW of Oulu 1	2016		
High Sea N of the latitude of Marjaniemi	2716	Russian Federation, 15.01.2025	
Raahe harbour – Heikinkari	8246	Port of St. Petersburg	520/
Heikinkari – Raahe lighthouse	5356	St. Petersburg – E-point island Kotlin	520/
Raahe lighthouse – Nahkiainen	0//6	E-point Kotlin – long. lighth. Tolbuhkin	510/
Latitude Marjaniemi – Ulkokalla, Sea	0//6	Vyborg, port and bay	820/
Rahja harbour – Välimatala	2126		
Vaelimatala to line Ulkokalla – Ykskivi	2126	Sweden, 15.01.2025	
Sea betw. lat. of Ulkokalla –Pietarsaari	0//6	Karlsborg – Malören	8446
Ykspihlaja – Repskär	8746	Sea area off Malören	5336
Repskär – Kokkola lighthouse	2126	Luleå – Björnklack	8446
Pietarsaari – Kallan	8746	Björnklack – Farstugrunden	4046
Sea area off Kallan	2126	E and SE of Farstugrunden	4336
Sea lat. Pietarsaari – NE Nordvalen	0//6	Sandgrönn fairway	8346
Sea area ENE of Nordvalen	0//6	Rödkallen – Norströmsgrund	4336

Haraholmen – Nygrån Sea area off Nygrån Skelleftehamn – Gåsören	8346 4336 8346
Sea area off Gåsören	3326
Sea area off Bjuröklubb	4336
Western Quark (W of Holmöarna)	5246
Umeå – Väktaren	8346
Fairway to Husum	3326
Örnsköldsvik – Hörnskaten	5146
Hörnskaten – Skagsudde	5146
Ångermanälven north Sandö Bridge	8344
Ångermanälven south Sandö Bridge	8344
Härnösand – Härnön	4044
Sundsvall – Draghällan	2026
Hudiksvallfjärden	5146
Iggesund – Agö	4046
Sandarne – Hällgrund	4136
Ljusnefjärden – Storjungfrun	1106
Gävle – Eggegrund	4136
Öregrundsgrepen	4136
Hallstavik – Svartklubben	4136
Köping – Kvicksund	5144
Västerås – Grönsö	5144
Stockholm – Södertälje	4046
Södertälje – Fifong	4046
Norrköping – Hargökalv	4046
Fairway to Karlstad	5146