



Eisbericht Nr. 10

Amtsblatt des BSH

Jahrgang 98

Nr. 10

Wednesday, 18.12.2024

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Übersicht

In der Bottenwiek befindet sich in den inneren Schären 5–15 cm dickes, ebenes Eis. Neueis befindet sich weiter außerhalb und im Nordosten auch auf See. In Norra Kvarken liegt dünnes ebenes Eis und Neueis in Schären und Buchten. In der Bottensee liegt meist Neueis entlang der Küsten und im Norden vereinzelt auch dünnes ebenes Eis. Im östlichen Finnischen Meerbusen kommt dünnes Eis und Neueis bis zum Leuchtturm Tolbuchin vor. Ansonsten kommt Neueis in geschützten Gebieten entlang der nördlichen Küste im Finnischen Meerbusen, dem Schärenmeer, der Ålandsee, dem Mälarsee, im Väinameri und im nordöstlichen Vänern vor.

Overview

In the Bay of Bothnia, there is 5–15 cm thick, level ice in the inner archipelagos. New ice is present further out and at sea in the northeast. In the Quark, there is thin level ice at places and new ice in bays and archipelagos. In the Sea of Bothnia, there is new ice along the coast and thin level ice at places in the north. In the eastern Gulf of Finland, there is thin ice and new ice to lighthouse Tolbuchin. Else, there is new ice at sheltered places along the northern coast of the Gulf of Finland, the Archipelago Sea, the Åland Sea, Lake Mälaren, Väinameri and the north-eastern Lake Vänern.

Bay of Bothnia

In the inner archipelagos of the Bay of Bothnia, there is 5–15 cm thick level ice and new ice further out. In the northeastern part there is new ice and ice formation further to about the line Malören – Nahkiainen – Ulkokalla. In the west, new ice

stretches to about Rödkallen

With light to moderate frost new ice formation and ice growth are expected the coming day. Near gale, southeasterly winds during the night may affect the new ice at sea.

The Quark

In the Vaasa archipelago, there is 2–10 cm thick level ice in the inner archipelago and new ice further out to Strömningsbådan. Along the Swedish coast, there is thin level ice in inner bays and else

new ice in sheltered places.

With mostly light to moderate frost ice formation and growth are expected the coming day.

Sea of Bothnia

Along the northern Swedish coast, there is thin level ice and new ice in inner bays. Further south, there is new ice at sheltered places. 5–10 cm thick,

level ice and new ice is present on Ångermanälven. Along the Finnish coast, there is new ice.

With temperatures slightly above 0 °C in the south

Herstellung und Vertrieb

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and light frost at places in the northern part no larger changes are expected the coming day.

Aland Sea

New ice is present in some sheltered places. With temperatures mostly slightly above 0°C no

Some ice formation in the northern part is possible.

larger changes are expected the coming day.

Archipelago Sea

New ice is present in sheltered places along the coast.

With temperatures mostly slightly above 0°C no larger changes are expected the coming day.

Gulf of Finland

From St. Petersburg to Kotlin, there is very close, 5–10 cm thick ice and new ice further west to light-house Tolbuchin. In Vyborg Bay, there is thin level ice in the inner bay and new ice further out. In sheltered places along the northern coast and in the Bjerkesund, there is new ice. In Lake Saimaa

and Saimaa Canal, there is thin level ice and new ice at places.

With light to moderate frost in the eastern part, some new ice formation is expected. Further west no larger changes are expected the coming day.

Gulf of Riga

New ice is present in some sheltered places in Väinameri.

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

Northern Baltic

In Lake Mälaren new ice is present at sheltered places.

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

Skagerrak and Kattegat

New ice may be found in very few sheltered Norwegian fjords.

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

Swedish Lakes

New ice is present in sheltered bays in the north-east of Lake Vänern.

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

Dr. W. Aldenhoff

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio, Kemi, Oulu, Kokkola, Pietar-saari and Vaasa	2000 dwt	II	21.12.
	Lake Saimaa	2000 dwt	II	11.12.
	Saimaa Canal	2000 dwt	II	11.12.
Sweden	Karlsborg and Lulea	2000 dwt	II	07.12.
	Haraholmen	2000 dwt	II	22.12.
	Skeleftehamn	2000 dwt	II	23.12.
	Angermanälven	1300/2000 dwt	IC/II	07.12.
	Angermanälven	2000 dwt	IC	22.12.
	Köping	1300/2000 dwt	IC/II	22.12.

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: MATARI assists in the northern Lake Saimaa.

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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Finland, 18.12.2024

Röyttä – Etukari	5142
Etukari – Ristinmatala	5152
Ajos – Ristinmatala	5152
Ristinmatala – Kemi 2	5142
Kemi 2 – Kemi 1	5041
Sea area SW of Kemi 1	4041
Kemi 2 – Ulkokrunni – Virpiniemi	5142
Oulu harbours – Kattilankalla	5142
Kattilankalla – Oulu 1	5041
Sea area SW of Oulu 1	5041
High Sea N of the latitude of Marjaniemi	2001
Raahe harbour – Heikinkari	5041
Heikinkari – Raahe lighthouse	4041
Raahe lighthouse – Nahkiainen	3001
Rahja harbour – Välimatala	4041
Ykspihlaja – Repskär	4041

Repskär – Kokkola lighthouse	4041
Pietarsaari – Kallan	4041
Vaskiluoto – Ensten	5142
Ensten – Vaasa lighthouse	4041

Russian Federation, 18.12.2024

Port of St. Petersburg	510/
St. Petersburg – E-point island Kotlin	510/
E-point Kotlin – long. lighth. Tolbuhkin	510/
Vyborg, port and bay	510/
Strait Bjerkesund	300/
E-point Bol'shoj Ber'ozovyj – Šepelevskij	300/

Sweden, 18.12.2024

Karlsborg – Malören	5246
Sea area off Malören	4046
Luleå – Björnklack	5246

Sandgrönn fairway	4046
Rödkallen – Norströmsgrund	4046
Haraholmen – Nygrån	4041
Umeå – Väktaren	5142
Örnsköldsvik – Hörnskatan	4041
Ångermanälven north Sandö Bridge	5144
Ångermanälven south Sandö Bridge	5144
Sundsvall – Draghällan	4041
Hudiksvallfjärden	4041
Iggesund – Agö	4041
Sandarne – Hällgrund	4041
Gävle – Eggegrund	4041
Hallstavik – Svartklubben	4041
Köping – Kvicksund	4041
Grönsö – Södertälje	4041
Stockholm – Södertälje	4041
Fairway to Karlstad	4041
Fairway to Kristinehamn	4041