



Eisbericht Nr. 121

Amtsblatt des BSH

Jahrgang 97

Nr. 121

Monday, 13.05.2024

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Übersicht

In der Bottenwiek befindet sich in den nördlichen Schären morsches oder morsch werdendes, bis 70 cm dickes Festeis. Weiter außerhalb treibt im Norden sehr dichtes bis lockeres, bis 70 cm dickes und teilweise aufgepresstes Eis. Auf See treibt im westlichen Teil meist 10–50 cm dickes, sehr dichtes bis sehr lockeres, örtlich aufgepresstes Eis mit einigen großen, bis 70 cm dicken Treibeisschollen. Im Osten ist zumeist offenes Wasser. An den Küsten von Norra Kvarken kommt meist offenes Wasser mit etwas Treibeis im zentralen nördlichen Teil vor.

Overview

In the Bay of Bothnia there is rotten or rotting, up to 70 cm thick fast ice in the northern archipelagos. Further out, there is very close to open, up to 70 cm thick and partly ridged ice. At sea in the western part there is mostly 10–50 cm thick, very close to very open, partly ridged ice with some large, up to 70 cm drifting floes. At sea in the east there is mostly open water. In the Quark is mostly open water with some drift ice in the central northern part.

Bay of Bothnia

In the northern archipelagos there is 40–70 cm thick rotten or rotting fast ice to Oulu in the east and Bjuröklubb in the west. Further out in the north there is very close to open, 30–70 cm thick drift ice to about a line between Farstugrunden and Oulu-1. Further south past Hailuoto to Raahe is some very close, up to 70 cm thick drift ice and very open ice along the coast. Else in the eastern part is mostly open water to Kokkola. Along the Swedish coast from Piteå to the Quark is first a band of very open

ice to Bjuröklubb followed by open water further south. East of about Norströmsgrund is very close, up to 50 cm thick ice. Further south to about 63°50'N and about the line Falkensgrund – Kokkola in the east, is mainly close to very open, up to 50 cm thick ice with some up to 70 cm thick large, drifting floes.

Ice melt will continue the coming day and the ice will drift slightly to the north/ northeast.

The Quark

In the Vaasa archipelago it is ice-free. In bays along the Swedish coast is mainly open water. At sea is mostly open water with an area of very open

drift ice north of the Vaasa archipelago.

Ice melt will continue the coming day and there will be a slight ice drift to the north/northeast.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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Lake Saimaa

In Lake Saimaa there rotten ice at places in the northern part. Further ice melt is expected.

Dr. W. Aldenhoff

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio, Kemi and Oulu	4000 dwt	IA	02.04.
	Raahe	2000 dwt	IA	03.05.
	Kalajoki, Kokkola and Pietarsaari	2000 dwt	I	08.05.
Sweden	Karlsborg	4000 dwt	IA (2000 t)	14.01.
	Lulea, Haraholmen and Skelleftehamn	4000 dwt	IA	14.01.
	Rundvik	-	cancelled	13.05.
	Holmsund	2000 dwt	II	13.05.

Finland/Sweden

The traffic separation schemes in the Quark are temporarily out of use from 20 December due to ice conditions.

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: YMER, ALE, FREJ, OTSO and URHO assist in the Bay of Bothnia.

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, 13.05.2024

Röyttä – Etukari	8546
Etukari – Ristinmatala	7456
Ajos – Ristinmatala	3456
Ristinmatala – Kemi 2	5476
Kemi 2 – Kemi 1	5476
Sea area SW of Kemi 1	5476
Kemi 2 – Ulkokrunni – Virpiniemi	5476
Oulu harbours – Kattilankalla	4896
Kattilankalla – Oulu 1	5476
Sea area SW of Oulu 1	2496
High Sea N of the latitude of Marjaniemi	2436
Raahe harbour – Heikinkari	2476
Heikinkari – Raahe lighthouse	2476
Raahe lighthouse – Nahkiainen	1706
Latitude Marjaniemi – Ulkokalla, Sea	5676
Rahja harbour – Välimatala	0//5
Vaelimatala to line Ulkokalla – Ykskivi	0//5
Sea betw. lat. of Ulkokalla – Pietarsaari	3476
Ykspihlaja – Repskär	0//5
Repskär – Kokkola lighthouse	0//5
Sea area off Kokkola lighthouse	0//5
Pietarsaari – Kallan	0//5
Sea area off Kallan	0//5
Sea lat. Pietarsaari – NE Nordvalen	1705
Sea area ENE of Nordvalen	1705

Sweden, 13.05.2024

Karlsborg – Malören	5576
Sea area off Malören	5576
Luleå – Björnklack	8596
Björnklack – Farstugrunden	5576
E and SE of Farstugrunden	5576
Sandgrönn fairway	8546
Rödkallen – Norströmsgrund	5456
Haraholmen – Nygrån	8596
Sea area off Nygrån	2526
Skelleftehamn – Gåsören	2526
Sea area off Gåsören	2526
Sea area off Bjuröklubb	8496
NE of Nordvalen	1406
Western Quark (W of Holmöarna)	1406
Umeå – Väktaren	1406