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BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

Eisbericht Nr. 114

Amtsblatt des BSH

Jahrgang 95	Nr. 114	Tuesday, 10.05.2022	1

Übersicht

In den Schären der Bottenwiek liegt im Norden 20–50 cm dickes, morsches Festeis. Außerhalb des Festeises treibt im Osten sehr dichtes und teilweise aufgepresstes, 10–50 cm dickes Eis. Ansonsten kommt auf See nördlich 65°00'N zumeist offenes Wasser vor, in dem einzelne dickere Schollen treiben. Die restliche Ostsee ist eisfrei.

Overview

In the archipelagos of the Bay of Bothnia, there is 20–50 cm thick, rotten fast ice in the north. Off the fast ice in the east, there is very close, partly ridged, 10–50 cm ice. Else at sea, there is mostly open water north of 65°00'N with some larger drifting floes at places. The rest of the Baltic Sea is ice free.

Bay of Bothnia

In and outside the archipelagos from Piteå to Raahe, there is 20–50 cm thick, rotten fast ice. Further out to Lallinmöyly, Oulu-2 and Johan there is consolidated ice, 10-50 cm thick. Off the fast ice and along the coast in the east, there is very close, 10–50 cm thick ice to the line Kemi-2 – Oulun portti – 12 nm northwest of Nahkiainen – Kalajoki. Large thick and ridged ice floes occur in the area. From Ulkokalla to Kokkola, there is very close, 10-40 cm thick drift ice. At sea, there is mostly open water off the coast and ice from Skelleftå to Kokkola. with some floebits and single floes at places.
Ice melt continues with a northerly/northeasterly ice drift.

Norra Kvarken

The area is practically ice free.

Gulf of Finland

The gulf itself is ice free. In Lake Saimaa, there is rotten ice with many openings and partly open water.
The ice melt continues the coming day.

Dr. J.Holfort

Herstellung und Vertrieb
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Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio, Kemi and Oulu	2000 dwt	IA	05.05.
	Raahe and Kalajoki	2000 dwt	IA	05.05.
	Kokkola	2000 dwt	II	09.05.
Sweden	Karlsborg and Luleå	2000 dwt	IC	06.05.
	Haraholmen and Skelleftehamn	2000 dwt	II	06.05.

Information of the Icebreaker Services

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 78. 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:
OTSO, KONTIO, POLARIS and ALE assist in the Bay of Bothnia. TYRSKY assists in the 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

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

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 foes – 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

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

Finland , 10.05.2022

Röyttä – Etukari	8496
Etukari – Ristinmatala	8496
Ajos – Ristinmatala	8496
Ristinmatala – Kemi 2	6476
Kemi 2 – Kemi 1	2416
Sea area SW of Kemi 1	1706
Kemi 2 – Ulkokrunni – Virpiniemi	8596
Oulu harbours – Kattilankalla	8496
Kattilankalla – Oulu 1	5476
Sea area SW of Oulu 1	5476
High Sea N of the latitude of Marjaniemi	1716
Raahe harbour – Heikinkari	4496
Heikinkari – Raahe lighthouse	5476
Raahe lighthouse – Nahkiainen	5476
Latitude Marjaniemi – Ulkokalla, Sea	5476
Rahja harbour – Välimatala	3396
Vaelimatala to line Ulkokalla – Ykskivi	3396

Sweden , 10.05.2022

Karlsborg – Malören	8596
Sea area off Malören	4436
Luleå – Björnklack	8496
Björnklack – Farstugrunden	3476
E and SE of Farstugrunden	1406
Sandgrönn fairway	3476
Rödkallen – Norströmsgrund	1406
Haraholmen – Nygrån	1406