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BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

Eisbericht Nr. 125

Amtsblatt des BSH

Jahrgang 97	Nr. 125	Friday, 17.05.2024	1

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. Weiter südlich treibt im zentralen Teil ein Band dichtes bis lockeres, 30–50 cm dickes und örtlich aufgepresstes Eis. Ansonsten ist auf See meist offenes Wasser mit vereinzelten Treibeisschollen. Norra Kvarken ist meist eisfrei.

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. Further south, there is a band of close to open, 30–50 cm thick and partly ridged ice in the central part. Else at sea is open water with some drifting floes at a few places. The Quark is mostly ice-free.

Bay of Bothnia

In the northern and northwestern archipelagos there is 25–70 cm thick rotten or rotting fast ice. Further out in the north there is very close to open, 30–70 cm thick and partly ridged drift ice to about a line from south of Farstugrunden to Oulu-1. Further south in the east to north of Raahe is some close to very close, up to 50 cm thick drift ice and very open ice along the coast. Off the northwestern fast ice to Piteå is very open ice. South of Farstugrunden to about 64°00'N in the south is a band of close, 30–50 cm thick and partly ridged drift ice with open ice in the southern part. Else at sea is open water with drifting floes at few places.
Rapid ice will continue over the weekend and the ice will drift to the northeast.

The Quark

The Quark is mostly ice-free.

Lake Saimaa

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

Further ice melt is expected.

Dr. W. Aldenhoff

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	16.05.
	Raahe	**2000 dwt**	**II**	**17.05.**
Sweden	Karlsborg	4000 dwt	IA (2000 t)	14.01.
	Lulea	4000 dwt	IA	14.01.
	Haraholmen	2000 dwt	IC	16.05.
	Skelleftehamn	**2000 dwt**	**II**	**17.05.**

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 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

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

Finland, 17.05.2024

Röyttä – Etukari	8496
Etukari – Ristinmatala	3436
Ajos – Ristinmatala	3436
Ristinmatala – Kemi 2	5476
Kemi 2 – Kemi 1	5476
Sea area SW of Kemi 1	5476
Kemi 2 – Ulkokrunni – Virpiniemi	3496
Oulu harbours – Kattilankalla	2826
Kattilankalla – Oulu 1	3436
Sea area SW of Oulu 1	1426
High Sea N of the latitude of Marjaniemi	1476
Raahe harbour – Heikinkari	1705
Heikinkari – Raahe lighthouse	1705
Raahe lighthouse – Nahkiainen	1705
Latitude Marjaniemi – Ulkokalla, Sea	3436
Sea betw. lat. of Ulkokalla –Pietarsaari	2472

Sweden, 17.05.2024

Karlsborg – Malören	8596
Sea area off Malören	5576
Luleå – Björnklack	8546
Björnklack – Farstugrunden	2426
E and SE of Farstugrunden	2426
Sandgrönn fairway	8596
Rödkallen – Norströmsgrund	4456
Haraholmen – Nygrån	8596
Sea area off Nygrån	1406
Skelleftehamn – Gåsören	1406
Sea area off Gåsören	1406
Sea area off Bjuröklubb	8492