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BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

Eisbericht Nr. 126

Amtsblatt des BSH

Jahrgang 97	Nr. 126	Tuesday, 21.05.2024	1

Übersicht

In der Bottenwiek befinden sich in den nördlichen Schären örtlich Reste morschen Festeises. Im Nordosten treibt auf See meist sehr dichtes, 20–60 cm dickes und teilweise aufgepresstes Eis. Ansonsten ist auf See im Norden meist offenes Wasser mit örtlich etwas Treibeis. Die südliche Bottenwiek und Norra Kvarken sind eisfrei.

Overview

In the Bay of Bothnia there are remnants of rotten ice at places in the northern archipelagos. At sea in the northeast, there is very close, 20–60 cm thick and partly ridged drift ice. Else at sea in the north, there is mostly open water with drift ice at places. The southern Bay of Bothnia and the Quark are ice-free.

Bay of Bothnia

In the archipelagos along the northern coast, there are in places remnants of rotten ice or very open ice. At sea between Malören and Oulu-1, there is mostly very close, 20–60 cm thick and partly ridged drift ice. Else at sea in the north Skellefteå in the west via Nygrån and Farstugrunden to Raahe in the east, there is mostly open water with drift ice at places.
Ice melt will continue the coming day with only minor ice drift.

The Quark

The Quark is ice-free.

Lake Saimaa

Lake Saimaa is ice-fee.

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 and Kemi	2000 dwt	IA	16.05.
	Oulu	**2000 dwt**	**IB**	**20.05.**
	Raahe	**-**	**cancelled**	**20.05.**
Sweden	**Karlsborg**	**2000 dwt**	**IC**	**20.05.**
	Lulea	**2000 dwt**	**IC**	**20.05.**
	Haraholmen	**-**	**cancelled**	**20.05.**
	Skelleftehamn	**-**	**cancelled**	**20.05.**

Finland/Sweden

The traffic separation schemes in the Quark are back in use.

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, FREJ and OTSO 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, 21.05.2024

Röyttä – Etukari	1706
Etukari – Ristinmatala	1706
Ajos – Ristinmatala	1706
Ristinmatala – Kemi 2	2476
Kemi 2 – Kemi 1	5476
Sea area SW of Kemi 1	3876
Kemi 2 – Ulkokrunni – Virpiniemi	2496
Oulu harbours – Kattilankalla	1706
Kattilankalla – Oulu 1	2326
Sea area SW of Oulu 1	1706
High Sea N of the latitude of Marjaniemi	3876
Raahe lighthouse – Nahkiainen	1702
Latitude Marjaniemi – Ulkokalla, Sea	1702

Sweden, 21.05.2024

Karlsborg – Malören	1306
Sea area off Malören	4576
Luleå – Björnklack	2326
Björnklack – Farstugrunden	1306
Sandgrönn fairway	2326
Rödkallen – Norströmsgrund	1306
Haraholmen – Nygrån	1302
Sea area off Nygrån	1302
Skelleftehamn – Gåsören	1302
Sea area off Gåsören	1302