



Eisbericht Nr. 124

Amtsblatt des BSH

Jahrgang 95

Nr. 124

Tuesday, 24.05.2022

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Übersicht

In der nördlichen Bottenwiek treibt entlang 24°30'O örtlich lockeres Eis und weiter südlich treibt knapp außerhalb der Küste dichtes und sehr dichtes, 10–30 cm dickes Eis bis nach Ulkokalla. Die restliche Ostsee ist eisfrei.

Overview

In the northern Bay of Bothnia open ice is drifting in places along about 24°30'E and further south, just outside the coast down to Ulkokalla, there is 10–30 cm thick, close and very close ice. The rest of the Baltic Sea is ice free.

Bay of Bothnia

In the northeast there is a narrow zone between Välikivikko and Hailuoto with 10-30cm thick open ice in places. Further south, from Marjaniemi to east of Ulkokalla, there is a 3-10nm wide area with 10-30cm thick, close and very close ice. The ice is

rotten or has started to rot, but in places there are thick floebits. Further out along the ice edge there is open water.

With a negligible ice drift the melting continues.

Dr. J.Holfort

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio, Kemi and Oulu	2000 dwt	II	19.05.
	Raahe	2000 dwt	I	18.05.
	Kalajoki	2000 dwt	II	16.05.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

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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 assists in the Bay of Bothnia.

Baltic Sea Ice Code

<p>First number:</p> <p>A_B Amount and arrangements of sea ice</p> <p>0 Ice free</p> <p>1 Open water – concentration less than 1/10</p> <p>2 Very open ice - concentration 1/10 to 3/10</p> <p>3 Open ice – concentration 4/10 to 6/10</p> <p>4 Close ice – concentration 7/10 to 8/10</p> <p>5 Very close ice – concentration 9/10 to 9+/10</p> <p>6 Compact ice, including consolidated ice – concentration 10/10</p> <p>7 Fast ice with drift ice outside</p> <p>8 Fast ice</p> <p>9 Lead in very close or compact drift ice or along the fast ice edge</p> <p>/ Unable to report</p> <p>Third number:</p> <p>T_B Topography or form of ice</p> <p>0 Pancake ice, ice cakes, brash ice – less than 20 m across</p> <p>1 Small ice floes – 20 to 100 m across</p> <p>2 Medium ice floes – 100 to 500 m</p> <p>3 Big ice floes – 500 to 2000 m across</p> <p>4 Vast or giant ice floes – more than 2000 m across – or level ice</p> <p>5 Rafted ice</p> <p>6 Compact slush or shuga, or compacted brash ice</p> <p>7 Hummocked or ridged ice</p> <p>8 Thaw holes or many puddles on the ice</p> <p>9 Rotten ice</p> <p>/ No information or unable to report</p>	<p>Second number:</p> <p>S_B Stage of ice development</p> <p>0 New ice or dark nilas (less than 5 cm thick)</p> <p>1 Light nilas (5 - 10 cm thick) or ice rind</p> <p>2 Grey ice (10 - 15 cm thick)</p> <p>3 Grey-white ice (15 - 30 cm thick)</p> <p>4 White ice, first stage (30 - 50 cm thick)</p> <p>5 White ice, second stage (50 - 70 cm thick)</p> <p>6 Medium first year ice (70 - 120 cm thick)</p> <p>7 Ice predominantly thinner than 15 cm with some thicker ice</p> <p>8 Ice predominantly grey-white ice (15 – 30 cm) with some thicker ice</p> <p>9 Ice predominantly thicker than 30 cm with some thinner ice</p> <p>/ No information or unable to report</p> <p>Fourth number:</p> <p>K_B Navigation conditions in ice</p> <p>0 Navigation unobscured</p> <p>1 Navigation difficult or dangerous for wooden vessels without ice sheathing</p> <p>2 Navigation difficult for unstrengthened or low-powered vessels built of iron or steel. Navigation for wooden vessels even with ice sheathing not advisable</p> <p>3 Navigation without icebreaker assistance possible only for high-powered vessels of strong construction and suitable for navigation in ice</p> <p>4 Navigation proceeds in lead or broken ice-channel without the assistance of an icebreaker</p> <p>5 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size</p> <p>6 Icebreaker assistance can only be given to vessels of special ice class and of special size</p> <p>7 Icebreaker assistance can only be given to vessels after special permission</p> <p>8 Navigation temporarily closed</p> <p>9 Navigation has ceased</p> <p>/ Unknown</p>
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Finland , 24.05.2022

Kemi 2 – Ulkokrunni – Virpiniemi	2815
Oulu harbours – Kattilankalla	0//5
Kattilankalla – Oulu 1	1825
Sea area SW of Oulu 1	1815
Raahe harbour – Heikinkari	2886
Heikinkari – Raahe lighthouse	3876
Raahe lighthouse – Nahkiainen	5876
Latitude Marjaniemi – Ulkokalla, Sea	2815
Rahja harbour – Välimatala	1725
Vaelimatala to line Ulkokalla – Ykskivi	0//5