



Eisbericht Nr. 117

Amtsblatt des BSH

Jahrgang 95

Nr. 117

Friday, 13.05.2022

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Übersicht

In den Schären der Bottenwiek liegt im Norden 10–50 cm dickes, morsches Festeis. Außerhalb des Festeises treibt im Osten sehr dichtes und teilweise aufgepresstes, 10–50 cm dickes Eis. Entlang der Küste und Eiskante von Skellefteå bis Kokkola kommt offenes Wasser mit einigen dickeren Treibeisschollen vor. Die restliche Ostsee ist eisfrei.

Overview

In the archipelagos of the Bay of Bothnia, there is 10–50 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. Along the coast and ice edge from Skellefteå to Kokkola, there is mostly open water with some thicker drifting ice floes. The rest of the Baltic Sea is ice free.

Bay of Bothnia

In and outside the archipelagos from about Piteå to Raahe, there is 10–50 cm thick, rotten fast ice and consolidated ice, 10–50 cm thick to Lallinmöyly and Oulu-2. 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 – Holma – 10 nm southwest of Merikallat – Nahkiainen. Large thick and ridged ice

floes occur in the area. Off Kalajoki to Ulkokalla, there is very close to close, 10-40 cm thick drift ice. Else at sea, there is mostly open water along the coast and ice edge from Skellefteå to Kokkola with some floebits and single floes at places. Over the weekend the ice melt continues with an only minor ice drift into different directions.

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 over the weekend.

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	2000 dwt	II	13.05.
	Luleå	2000 dwt	II	11.05.
	Haraholmen	-	cancelled	13.05.

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 and KONTIO assist in the Bay of Bothnia. TYRSKY assists in the Lake Saimaa.

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>
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/ Unknown

Finland , 13.05.2022

Röyttä – Etukari	8496
Etukari – Ristinmatala	8496
Ajos – Ristinmatala	8496
Ristinmatala – Kemi 2	5476
Kemi 2 – Kemi 1	1416
Kemi 2 – Ulkokrunni – Virpiniemi	5596
Oulu harbours – Kattilankalla	8496
Kattilankalla – Oulu 1	5496
Sea area SW of Oulu 1	5476
Raahe harbour – Heikinkari	2496
Heikinkari – Raahe lighthouse	5476
Raahe lighthouse – Nahkiainen	5476
Latitude Marjaniemi – Ulkokalla, Sea	1416
Rahja harbour – Välimatala	2396
Vaelimatala to line Ulkokalla – Ykskivi	4396

Sweden , 13.05.2022

Karlsborg – Malören	5476
Sea area off Malören	4436
Luleå – Björnklack	8496
Björnklack – Farstugrunden	2426
E and SE of Farstugrunden	1406
Sandgrönn fairway	3326
Rödkaullen – Norströmsgrund	1406
Haraholmen – Nygrån	1402