



Eisbericht Nr. 120

Amtsblatt des BSH

Jahrgang 96

Nr. 120

Monday, 22.05.2023

1

Übersicht

In den Schären ganz im Norden der Bottenwiek kommt offenes Wasser und bei Kemi-2 bis zu 40 cm dickes, sehr dichtes Eis vor.

Overview

In the archipelagos of the northernmost Bay of Bothnia, there is open water and up to 40 cm thick very close ice near Kemi-2.

Bay of Bothnia

In the northernmost Bay of Bothnia, there is open water east of about 22°20'E with some floe bits or smaller areas of open to close ice in places. Around Kemi-2 there is 10-40cm thick, partly ridged, close to very close ice, and further

east/southeast there is an area of very open to open ice.

With a variable, but only light ice drift, the ice will stay almost in place, and continue to melt.

Dr. J.Holfort

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio and Kemi	2000 dwt	II	22.05.
	Oulu and Raahe	cancelled	-	22.05.
Sweden	Karlsborg	cancelled	-	19.05

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 82. This report can also be given directly by telephone to +46 10 492 7600.

Herstellung und Vertrieb

Bundesamt für Seeschifffahrt und Hydrographie (BSH)

www.bsh.de/eis

www.bsh.de/ice

© BSH - Alle Rechte vorbehalten
Nachdruck, auch auszugsweise, verboten

Eisankünfte / Ice Information

Telefon: +49 (0) 381 4563 -780

Telefax: +49 (0) 381 4563 -949

E-Mail: ice@bsh.de

© BSH - All rights reserved
Reproduction in whole or in part prohibited

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.

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

Icebreakers:

KONTIO assists in the Bay of Bothnia.

Baltic Sea Ice Code

<p>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</p> <p>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</p>	<p>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</p> <p>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 special permission 8 Navigation temporarily closed 9 Navigation has ceased / Unknown</p>
---	--

Finland, 22.05.2023

Röyttä – Etukari	1715
Etukari – Ristinmatala	4345
Ajos – Ristinmatala	2725
Ristinmatala – Kemi 2	5355
Kemi 2 – Kemi 1	5355
Kemi 2 – Ulkokrunni – Virpiniemi	5355

Sweden, 22.05.2023

Karlsborg – Malören	3322
---------------------	------