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BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

Eisbericht Nr. 76

Amtsblatt des BSH

Jahrgang 98	Nr. 76	Wednesday, 26.03.2025	1

Übersicht

In der Bottenwiek liegt in den nördlichen Schären 20–70 cm dickes Festeis und in den südlichen Schären bis 40 cm dickes Festeis. Auf See treibt im Nordosten bis 60 cm dickes, sehr dichtes, teilweise aufgeschobenes oder aufgepresstes Eis. Das Eis ist örtlich schwer zu passieren. Ansonsten befindet sich auf See offenes Wasser. In Norra Kvarken liegt bis 45 cm dickes, morsches Festeis in den Schären. Auf See ist es eisfrei. In der nördlichen Bottensee kommt entlang der Küste Festeis, welches teilweise morsch ist, vor. Im Süden ist es eisfrei. Im östlichen Finnischen Meerbusen kommt morsches Festeis bis Kotlin und der Vyborg Bucht vor. Entlang der nördlichen Küste kommt im Osten teilweise morsches Festeis vor.

Overview

In the Bay of Bothnia, there is 20–70 cm thick fast ice in the northern archipelagos and up to 40 cm thick fast ice in the southern archipelagos. At sea in the northeast, there is up to 60 cm thick, very close and partly ridged and rafted ice. The ice field is at places difficult to force. Else at sea is open water. In the Quark, there is up to 45 cm rotting fast ice in the inner archipelagos. The sea is ice-free. Along the coast of the northern Sea of Bothnia there is partly rotten fast ice in inner bays. Along the southern coast it is ice-free. In the eastern Gulf of Finland, there is rotten ice to Kotlin and the Vyborg Bay. Along the northern coast, there is rotten fast ice in the east.

Bay of Bothnia

In the northern Bay of Bothnia, there is 20–70 cm thick fast ice to Kemi 3 and Oulu 3 in the east. At sea east of about the line Farstugrunden – Kalajoki, there is 10–60 cm thick, ridged and rafted, very close ice. The ice field is in places difficult to force and pressure occurs in the ice field. At the ice edge is a brash ice barrier. Else at sea there is open water. In the southern Bay of Bothnia, there is up to 40 cm thick fast ice in the archipelagos and close ice and open water further out. The sea is ice-free.
With air temperatures above 0 °C slow ice melt will continue the next day. The ice is expected to drift to the north-east.

The Quark

In the Vaasa archipelago there is 20–45 cm thick rotting fast ice to east of Ensten. Along the Swedish coast there is 15–35 cm fast ice in bays. Further out is open water. The sea is ice-free.
With air temperatures above 0 °C ice melt will continue the next day.

Herstellung und Vertrieb
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Sea of Bothnia

In the east the ice along the northern coast is getting rotten and south of Pori it is mainly ice-free. In the west, there is up to 30 cm thick fast ice in sheltered places north of Sundsvall. Further south to Söderhamn is rotten ice in sheltered places. On Ångermanälven there is 10–40 cm thick fast ice.
With air temperatures above 0 °C ice melt will continue the next day.

Gulf of Finland

From St Petersburg to Kotlin, there is rotten fast ice. Further westwards there is mostly open water with drift ice in the bay north of Kotlin. In Vyborg Bay there is rotten fast ice and open water in the entrance. In the eastern part of the northern coast, there is rotten fast ice.
With air temperatures above 0 °C ice melt will continue the next day.

X. Lange

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Finland	Tornio, Kemi and Oulu	2000 dwt	IA	12.02.
	Raahe	2000 dwt	IA	02.03.
	Kalajoki	2000 dwt	I	07.01.
	Kokkola and Pietarsaari	2000 dwt	I	07.01.
	Vaasa	2000 dwt	II	21.03.
	Lake Saimaa and Saimaa Canal	2000 dwt	IA	16.02.
Sweden	Karlsborg	4000 dwt	IA	11.02.
	Luleå	2000 dwt	IA	12.02.
	Haraholmen and Skelleftehamn	2000 dwt	IB	12.02.
	Holmsund	2000 dwt	II	17.03.
	Ångermanälven	2000 dwt	IA	22.01.

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.
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 scheme in the Quark has been taken in use again.

Icebreakers: YMER, IDUN, KONTIO, OTSO, SISU, ZEUS and POLARIS assist in the Bay of Bothnia.

Russia

Icebreakers: MUDJUG assists vessels to the port of St. Petersburg. K. IZMAYLOV assists to Vyborg and Vysotsk.

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, 26.03.2025

Röyttä – Etukari	8546
Etukari – Ristinmatala	6456
Ajos – Ristinmatala	6456
Ristinmatala – Kemi 2	6456
Kemi 2 – Kemi 1	5476
Sea area SW of Kemi 1	5476
Kemi 2 – Ulkokrunni – Virpiniemi	6456
Oulu harbours – Kattilankalla	8546
Kattilankalla – Oulu 1	6456
Sea area SW of Oulu 1	5476
High Sea N of the latitude of Marjaniemi	5476
Raahe harbour – Heikinkari	8346
Heikinkari – Raahe lighthouse	7476
Raahe lighthouse – Nahkiainen	5476
Latitude Marjaniemi – Ulkokalla, Sea	5476
Rahja harbour – Välimatala	7376
Vaelimatala to line Ulkokalla – Ykskivi	1706
Sea betw. lat. of Ulkokalla –Pietarsaari	1706
Ykspihlaja – Repskär	7316
Repskär – Kokkola lighthouse	1706
Sea area off Kokkola lighthouse	1706
Pietarsaari – Kallan	7746
Sea area off Kallan	4746
Sea lat. Pietarsaari – NE Nordvalen	1706
Sea area ENE of Nordvalen	0//6
Sea area Nordvalen to W of Norrskär	0//5
Vaskiluoto – Ensten	8845
Ensten – Vaasa lighthouse	1705
Vaasa lighthouse – Norrskär	0//5
Kaskinen – Sälgrund	1001

Russian Federation, 26.03.2025

Port of St. Petersburg	310/
St. Petersburg – E-point island Kotlin	310/
E-point Kotlin – long. lighth. Tolbuhkin	310/
Lighth. Tolbuhkin – lighth. –Šepelevskij	210/
Vyborg, port and bay	820/
Strait Bjerkesund	100/

Sweden, 26.03.2025

Karlsborg – Malören	8546
Sea area off Malören	5456
Luleå – Björnklack	8546
Björnklack – Farstugrunden	3326
E and SE of Farstugrunden	3326
Sandgrönn fairway	1306
Rödkallen – Norströmsgrund	3326
Haraholmen – Nygrån	8446
Sea area off Nygrån	1306
Skelleftehamn – Gåsören	1306
Sea area off Gåsören	1306
Sea area off Bjuröklubb	5356
Ångermanälven north Sandö Bridge	8444
Ångermanälven south Sandö Bridge	1204
Sundsvall – Draghällan	1201
Hudiksvallfjärden	8392