



Chart: Maximum ice extent

Maximum ice extent (on the chart)	
2023-03-12	81 000 km ² (= mild ice season)
Distance in ice to the ice edge	
From Kemi	189 M
From St. Petersburg	118 M

Winter navigation		
	SWE	FIN
Icebreakers	5	7
Towed vessels	12	77
Assisted vessels	614	1262
Operational season		
Start	2022-12-20	2022-12-11
End	2023-05-18	2023-05-26
Assisting days, accumulated	360	660

Assistance restrictions for ports		
start	end	
Skeleftehamn	12.12.	7.5.
Husum, Rundvik, Holmsund	21.12.	1.5.
Örnsköldsvik	21.12.	23.4.
Ångermanälven	14.12.	8.5.
Härnösand	6.3.	17.4.
Sundsvall, Söråker	13.2.	17.4.
Iggesund, Hudiksvall, Stocka	6.3.	2.4.
Söderhamn	13.2.	2.4.
Norsundet, Örnsköldsvik	6.3.	2.4.
Köping	17.12.	2.4.
Västerås, Bästa	22.12.	2.4.
Vänern, Troldhätte kanal, Göta älv	17.12.	25.12.
Tornio, Kemi	1.12.	26.5.
Oulu	12.12.	21.5.
Raahe	24.12.	21.5.
Kalajoki	1.1.	14.5.
Kokkola	1.1.	10.5.
Pietarsaari	1.1.	7.5.
Vaasa	24.12.	7.5.
Kaskinen	7.1.	11.4.
Kristinankaupunki	12.3.	11.4.
Pori, Rauma, Uusikaupunki	12.3.	4.4.
Inkoo, Kantvik, Helsinki, Sköldvik	7.1.	4.4.
Lovisa, Kotka, Hamina	24.12.	16.4.
Mussalo	7.1.	16.4.
Saimaa Canal	12.12.	1.1-1.5 2023 closed
Saimaa	12.12.	7.5.

Ice type and concentration	
Ice free	Very open ice 1-3/10
Open water < 1/10	Open ice 4-6/10
Close ice 7-8/10	Very close or compact ice 9-9+10
Consolidated ice 10/10	New ice (< 5 cm) 7-10/10
	Nilas, grey ice (5-15 cm) 9-10/10
	Fast ice 10/10

Symbols	
▼	Brash ice barrier
∞	Strips and patches
—+—	Fracture
⌋⌋⌋	Rafted ice
⚡	Fracture zone
▲	Floebit, floeberg
▲▲	Ridged or hummocked ice
20-40	Ice thickness (cm)
ATLE*	Icebreaker (* coordinating)
-2°	Water temperature isotherm (°C)