



Chart: Maximum ice extent

Maximum ice extent (on the chart)	
2019-01-27	88 000 km ² (= mild ice season)
Distance in ice to the ice edge	
From Kemi	174 M
From St. Petersburg	118 M

Winter navigation		
	SWE	FIN
Icebreakers	6	7
Towed vessels	19	167
Assisted vessels	563	1346
Operational season		
Start	2018-12-25	2018-12-25
End	2019-05-03	2019-05-12
Assisting days, accumulated	330	610

Assistance restrictions for ports		
	start	end
Skelleftehamn	1.1.	22.4.
Holmsund, Rundvik, Husum	14.1.	1.4.
Örnsköldsvik	21.1.	1.4.
Ångermanälven	29.12.	22.4.
Härnösand	21.1.	1.4.
Söråker, Sundsvall, Stocka	21.1.	11.3.
Hudiksvall, Iggesund	21.1.	11.3.
Söderhamn, Orrskär	21.1.	11.3.
Norrundet, Gävle, Skutskär	21.1.	11.3.
Öregrund	31.1.	11.3.
Köping	15.1.	13.3.
Västerås	19.1.	13.3.
Bålsta	21.1.	13.3.
Göta älv, Trollhätte kanal, Väner	21.1.	16.2.
Tornio, Kemi, Oulu	25.12.	12.5.
Raahe, Kalajoki	1.1.	12.5.
Kokkola, Pietarsaari	10.1.	12.5.
Vaasa	10.1.	22.4.
Kaskinen	16.1.	26.3.
Kristinankaupunki	26.1.	3.4.
Pori, Rauma, Uusikaupunki	30.1.	24.3.
Taalintehdas, Förby	26.1.	24.3.
Koverhar, Lappohja, Inkoo	26.1.	17.3.
Kantvik	26.1.	24.3.
Helsinki, Sköldvik	30.1.	17.3.
Loviisa, Mussalo	16.1.	17.3.
Kotka	12.1.	17.3.
Hamina	12.1.	24.3.
Joutseno, Lappeenranta, Canal	19.12.	1.1.-17.5.2019
Savonlinna, Ristiina, Imatra	19.12.	1.1.-17.5.2019
Siilinjärvi, Kuopio,	4.12.	Saimaa Canal closed
Joensuu, Varkaus, Puhos	4.12.	Saimaa Canal closed

<p>Ice type and concentration</p> <ul style="list-style-type: none"> Ice free Open water < 1/10 Very open ice 1-3/10 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 	<p>Symbols</p> <ul style="list-style-type: none"> Fracture Fracture zone Brash ice barrier Rafted ice Floebit, floeberg Ridged or hummocked ice Strips and patches Ice thickness (cm) [20-40] Icebreaker (° coordinating) ATLE* Water temperature isotherm (°C) -2°
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