



Winter navigation		
	SWE	FIN
Icebreakers	6	9
Towed vessels	65	222
Assisted vessels	1541	2154
Operational season		
Start	2017-12-05	2017-12-18
End	2018-05-24	2018-05-21
Assisting days, accumulated	621	756

Maximum ice extent (on the chart)	
2018-03-05	170 000 km ² (= average ice season)
Distance in ice to the ice edge	
From Kemi	323 M
From St. Petersburg	185 M
From Riga	118 M

Assistance restrictions for ports		
start	end	
Karlsborg	6.12.	23.5.
Luleå	6.12.	22.5.
Haraholmen	6.12.	20.5.
Skelleftehamn	6.12.	15.5.
Rundvik	10.1.	28.4.
Husum	10.1.	22.4.
Örnsköldsvik	10.1.	18.4.
Ångermanälven	10.1.	22.4.
Härnösand - Sundsvall	19.12.	9.5.
Stocka - Skutskär	27.1.	18.4.
Öregrund	5.2.	18.4.
Hargshamn - Hallstavik	26.2.	11.4.
Grisslehamn	26.2.	8.4.
Kappelskär - Södertälje	26.2.	22.3.
Köping - Västerås	27.2.	22.3.
Bålsta	10.1.	18.4.
Oxelösund - Bergkvara	6.2.	18.4.
Göta älv	27.2.	22.3.
Trollhätte kanal, Vänern	7.2.	15.3.
Tornio, Kemi	7.2.	11.4.
Oulu	19.12.	20.5.
Raaha, Kalajoki	20.12.	20.5.
Kokkola, Pietarsaari	14.1.	10.5.
Vaasa	14.1.	8.5.
Kaskinen	14.1.	4.5.
Kristinankaupunki, Pori	27.1.	10.4.
Rauma, Uusikaupunki	12.2.	10.4.
Naantali, Turku	12.2.	10.4.
Taalintehdas, Förby	26.2.	10.4.
Hanko	12.2.	10.4.
Koverhar, Inko, Kantvik	28.2.	2.4.
Helsinki, Sköldvik	12.2.	10.4.
Loviisa	12.2.	5.4.
Kotka, Hamina	27.1.	10.4.
Varkaus, Kuopio	27.1.	22.4.
Siilinjärvi, Puhos, Joensuu	20.12.	17.5.
	16.12.	17.5.

<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 Ridged or hummocked ice Strips and patches Floebit, floeberg Ice thickness (cm) [20-40] Icebreaker (* coordinating) ATLE* Water temperature isotherm (°C) -2°
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