



Chart: Maximum ice extent

Maximum ice extent (on the chart)	
2024-02-12	135 000 km ² (= average ice season)
Distance in ice to the ice edge	
From Kemi	284 M
From St. Petersburg	186 M

Winter navigation		
	SWE	FIN
Icebreakers	9	10
Towed vessels	39	428
Assisted vessels	1290	2234
Operational season		
Start	2023-11-16	2023-11-23
End	2024-05-29	2024-05-31
Assisting days, accumulated	829	1142

Assistance restrictions for ports		
Port	start	end
Karlsborg	21.11.	26.5.
Luleå	21.11.	23.5.
Haraholmen	21.11.	19.5.
Skelleftehamn	2.12.	19.5.
Holmsund	9.12.	15.5.
Rundvik	12.12.	12.5.
Ömsköldsvik, Husum	12.12.	7.5.
Ångermanälven	29.11.	7.5.
Härnösand	18.12.	7.5.
Söråker, Sundsvall	18.12.	23.4.
Stocka, Hudiksvall, Iggesund, Söderhamn	18.12.	8.4.
Ornskär, Norrsundet, Gävle, Skutskär	18.12.	8.4.
Öregrund, Hargshamn, Hallstavik, Grisslehamn	4.1.	2.4.
Nynäshamn, Kappskär	4.1.	25.2.
Södertälje, Stockholm	4.1.	17.3.
Köping	2.12.	2.4.
Västerås	5.12.	2.4.
Bälsta	4.1.	2.4.
Oxelösund, Norrköping, Västeråker	4.1.	25.2.
Oskarshamn, Mönsterås, Kalmar, Degerhamn, Berglövåra, Karlskrona, Stenungsund, Uddevalla	4.1.	20.2.
Åmål	5.12.	26.3.
Vänern	5.12.	25.3.
Trollhätte kanal, Göta älv	5.12.	13.3.
Tornio, Kemi	22.11.	29.5.
Oulu	22.11.	27.5.
Raahе, Kalajoki, Kokkola, Pietarsaari	6.12.	15.5.
Vaasa	6.12.	28.4.
Kaskinen, Uusikaupunki, Pori, Rauma	17.12.	1.4.
Kristinankaupunki, Naantali, Turku, Långnäs	1.1.	1.4.
Eckerö, Maarianhamina, Hangö	13.1.	1.4.
Taalintehtas, Förby, Koverhar, Lappolja, Inkoö, Kantele, Helsinki, Sköldvik	13.1.	17.3.
Lovisa, Kotka, Mussalo	9.12.	1.4.
Hamina	9.12.	7.4.
Saimaa, Saimaa Canal	9.12.	14.4.
	2.12.	2.5.

Ice type and concentration		Ice type and concentration		Symbols	
Ice free	Very open ice 1-3/10	Close ice 7-8/10	New ice (< 5 cm) 7-10/10	Fracture	Fracture zone
Open water < 1/10	Open ice 4-6/10	Very close or compact ice 9-9+10	Nilas, grey ice (5-15 cm) 9-10/10	Rafted ice	Floe-bit, floeberg
		Consolidated ice 10/10	Fast ice 10/10	Ridged or hummocked ice	Strips and patches
					Ice thickness (cm)
					Icebreaker (* coordinating)
					Water temperature isotherm (°C)