

Analyzing the Growth of Arctic Cruising and Expectations for Future Developments.

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Expedition Ships on Order

Company	Pax	Ice	2018	2019	2020	2021	Options
Ponant	184	1C	2	2	2	1xPC2	-
Hapag Lloyd	200	PC6	-	2	1	-	-
Hurtigruten	530	PC6	1	1	-	-	2
Crystal Yacht Expeditions	200	PC6	-	1	1	-	-
Scenic	228	PC6	1	-	1	-	-
Oceanwide	180	PC6	-	1	-	-	-
Mystic/Quark	176	1B	1				?
Quark	200	PC6	-	--	1	-	-
Minke	70	PC6	-	1	-	-	-
Norwegian Yacht Voyages	220	Yes	-	-	1	1	2
Lindblad Expeditions	126	PC5	1	-	1	1	
Aurora Expeditions	160	PC5	-	1	-	-	
Sunstone	160	PC5	-	-	1	2	6
Seabourne	264	PC6			1	1	
Chinese "Silk Road" Expedition	?	Yes	-	1	-	-	-
Total			6	10	10	6	10

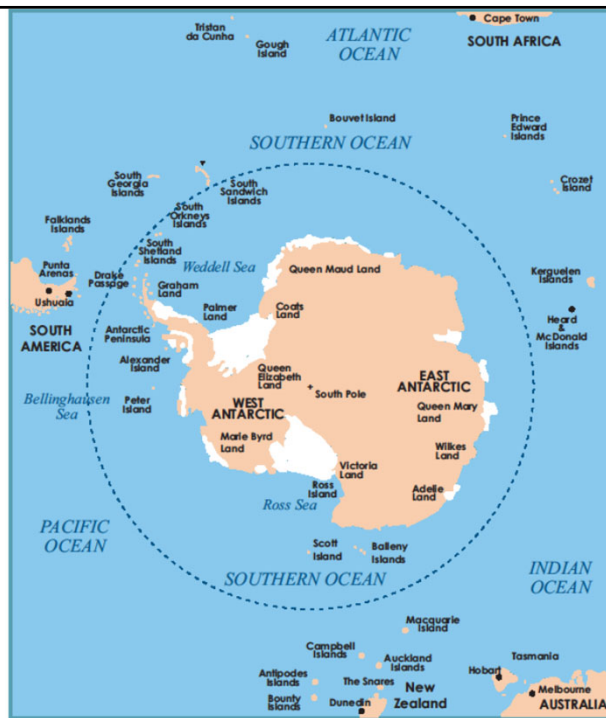
Passenger numbers are as advised for Polar Cruising. Usually less than for warm water operations

Antarctic Cruise Activity

Numbers corrected for over flight and air/land tours

Year	Landed		Cruises	Yachts No./ Cruises	Not		Landed	Cruises
	Passengers	Cruise Ships			Passengers	Cruise Ships		
2006	29,125	34	245	15/31	6,473	4	5	
2016	36,103	27	266	18/47	8,528	5	9	
2017	43,111	29	297	22/64	14,440	3	10	

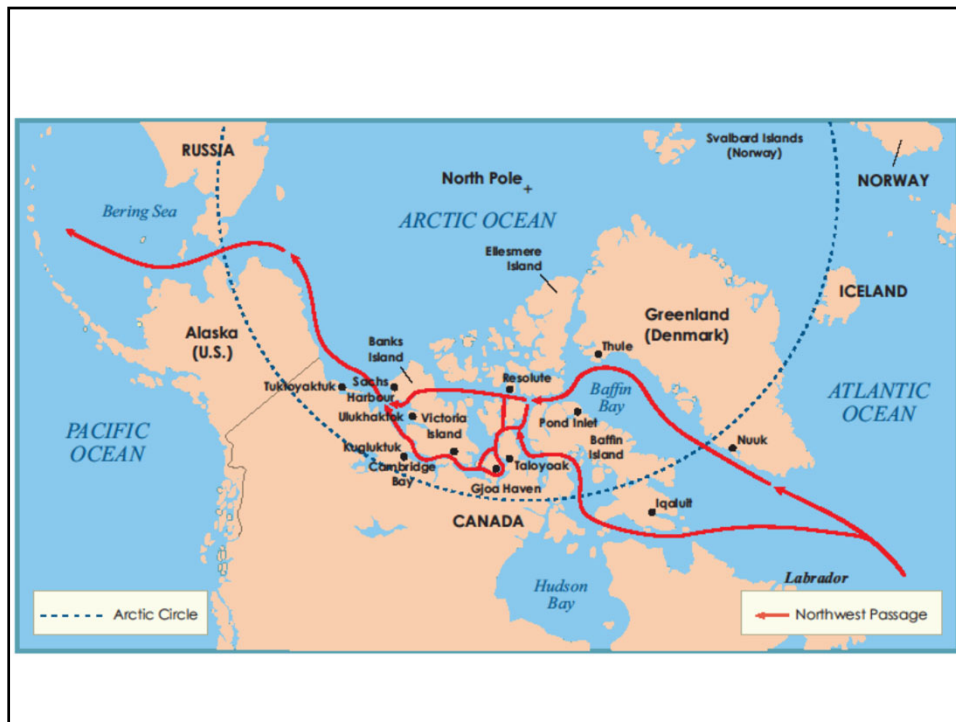
Antarctic Map

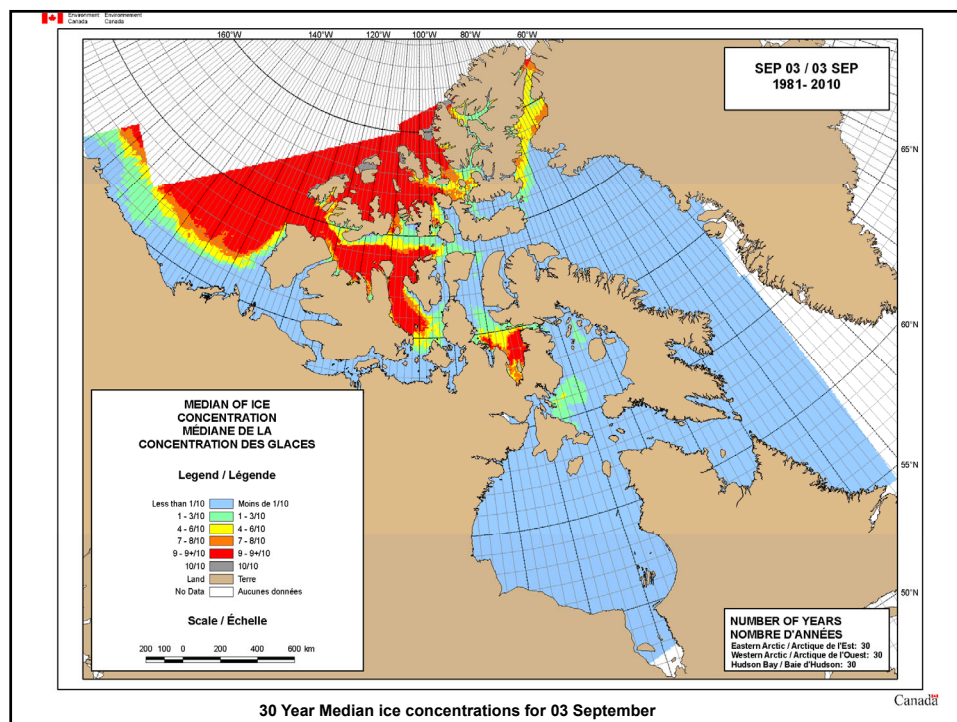
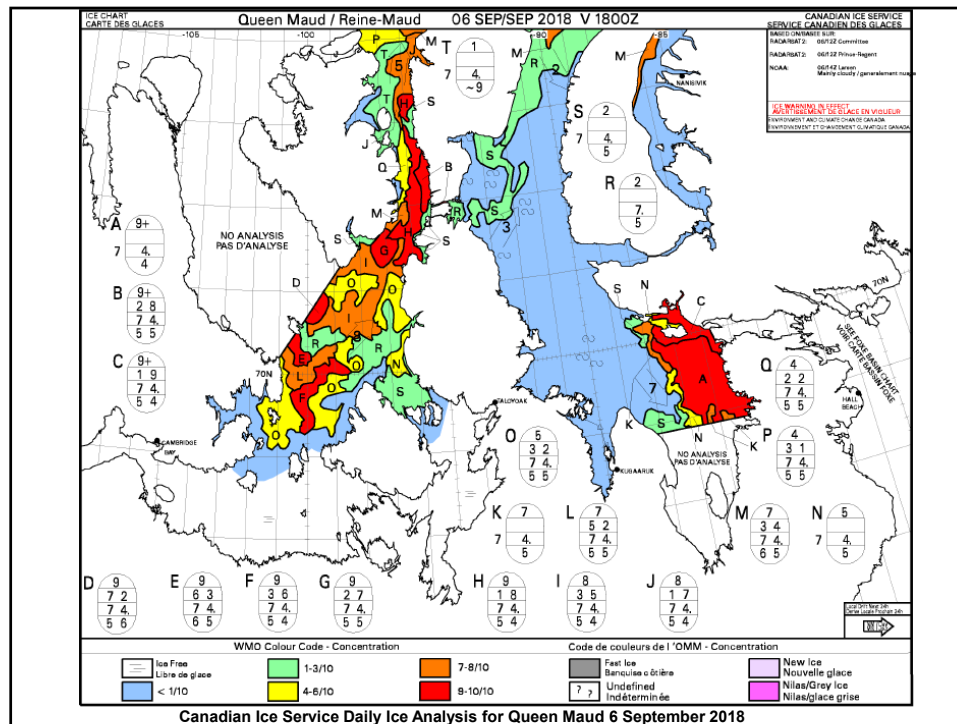


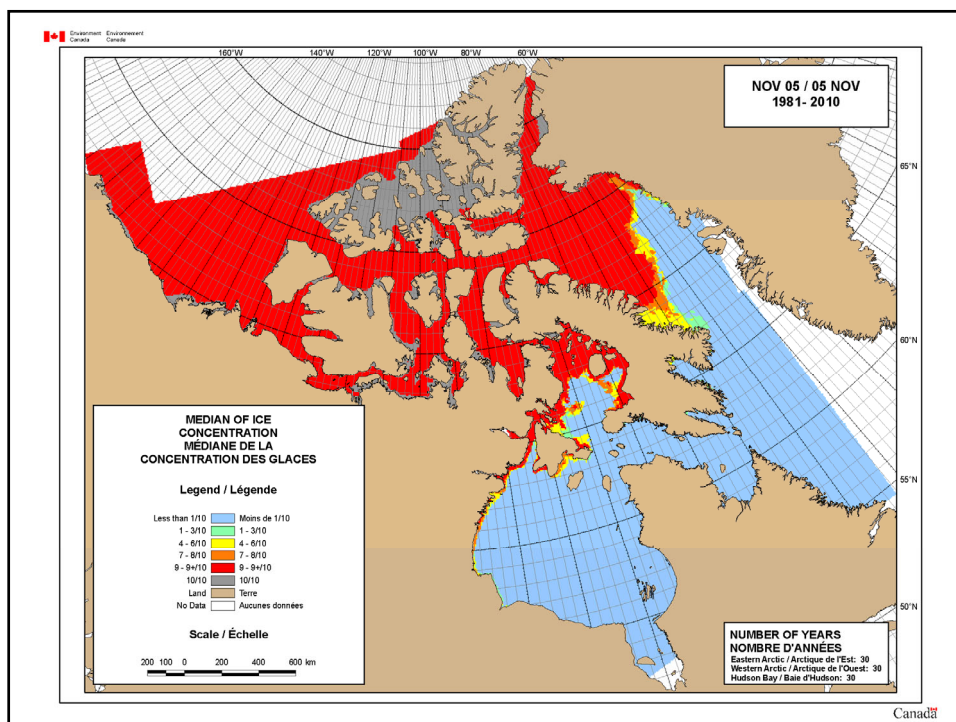


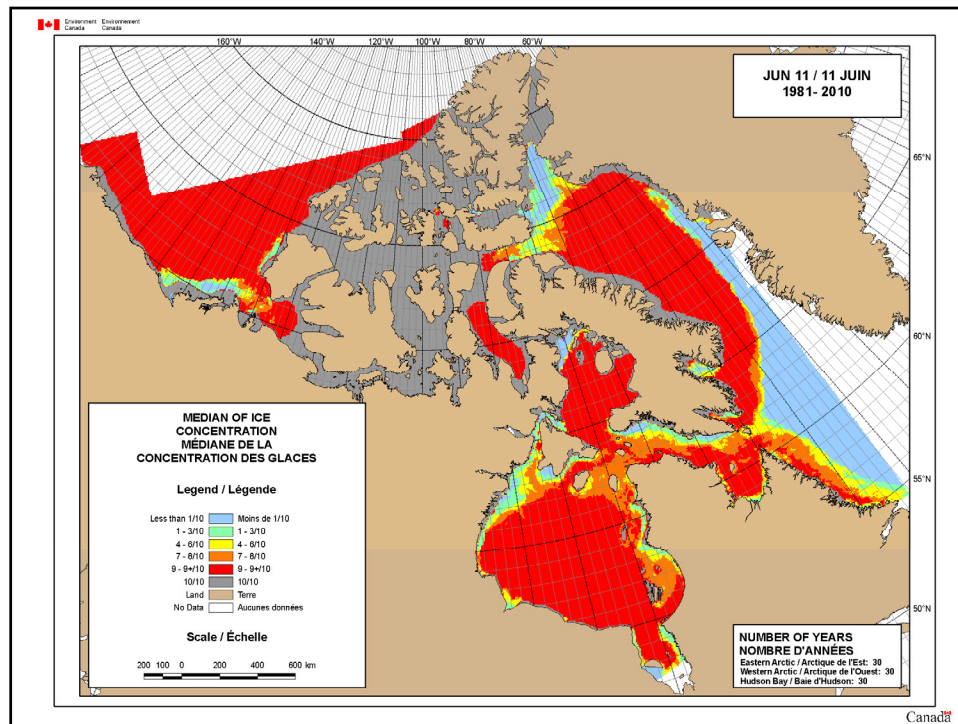
Recent Passenger Ship Activity in the Canadian Arctic

Type	2015	2016	2017	5 Year Average
Ships Cruising	10	11	13	8
Cruises Undertaken	17	22	23	17
NWP Transits	2	3	4	3
Adventurers	20	17	28	23
Mega Yachts	3	5	4	4









Victoria Luise at Reykjavik about 1912







Northern Sea Route



Ocean Endeavour



Meinschiff II at Torshavn 2018



Cruise ships in the Canadian Arctic 2016 & 2017

Name	Built	Pax	Ice	2016 Cruises	2017 Cruises
Akademik Ioffe	1988	110	1A	3	1
Akademik Sergey Vavilov	1988	110	1A	2	3
Bremen	1990	164	E4	2	NWP
Crystal Serenity	2003		None	NWP	NWP
Hanseatic	1991	184	E4		2
Kapitan Khlebnikov	1981		1B	NWP	
L'Austral	2009		1C	NWP	
Le Boreal	2009	264	1C	2	1+NWP
Le Soleal	2013		1C		1
Natl. Geo. Explorer	1982		1A	1	2
Ocean Atlantic	1985	198	1B		1
Ocean Endeavour	1982	199	None	4	5
Polar Prince	1958		1B		1
Sea Adventurer	1976		1A	3	
Silver Explorer	1989		1A	2	1
Spitsbergen 1	2009/15	202	1C		1
Total				11/22	11/22

[11](#) Rebuilt from ferry Atlantida. Double plates for ice strengthening.

Sea Spirit



Costa Deliziosa, 2,828 passengers off Nuuk



Thank You

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