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### Late Summer Sea Ice Conditions

Typical sea ice types are shown here at the end of the summer melt season, as well as how often sea ice has been present at any location on September 10 over the last 30 years. Based on the observations of sea ice extent and types over the last 30 years, this map shows how frequently sea ice has been present and what is the most likely predominant ice type and where. Sea ice is any form of ice that is found at sea and has originated from the freezing of seawater. The ice type gives an indication of the thickness of sea ice such as new ice, grey ice, grey-white ice, first-year ice, and old ice. Ice represents a danger for navigation. Information on sea ice is essential in estimating transportation costs, and what type of vessel is appropriate. This map shows the typical sea ice types at the end of the summer melt season (September 10) as well as frequency of sea ice on that date. The frequency of sea ice indicates how often sea ice has been present on September 10 over the last 30 years.

0 150 300 450 600 km

Lambert Conformal Conic Projection. Standard Parallels 49°N and 77°N

Late Summer Predominant Ice Type (September 10)	Populated Places	Road network
New ice	1 - 4 999	Road network
Grey ice	5 000 - 49 999	Ferry route
Grey-white ice	50 000 - 99 999	
First-year ice	100 000 and greater	
Old ice	Provincial and Territorial Capital	
Permanent ice	National Capital	
Estimated maximum ice limit		

Late Summer Frequency of Sea Ice (September 10)	Boundaries
1% - 25%	International
26% - 50%	Provincial / Territorial
51% - 75%	EEZ (200 mile)
76% - 99%	Canada / Kalasit Nunaat dividing line
100%	

Source(s):  
Late Summer Frequency of Sea Ice (September 10)  
Regional Ice Charts from 1969 to 1998, Canadian Ice Service, Environment Canada.  
Late Summer Predominant Ice Type (September 10)  
Regional Ice Charts from 1969 to 1998, Canadian Ice Service, Environment Canada.

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