

Seasonal Outlook

North American Arctic Waters
Summer 2017



By the North American Ice Service

Seasonal outlook for North American Arctic Waters issued by the North American Ice Service on 31 May 2017.

Hudson Bay, Davis Strait and Labrador Coast

Summer ice outlook.

In general, forecast ice events are expected to be earlier than normal for most locations this summer except near to later than normal over Davis Strait. See <http://weather.gc.ca/saisons/probe.html> for temperature trends.

Southern Labrador Coast.

7-8 tenths first-year ice.

A trace of old ice.

Outlook for June...

June 10-16 - 1-3 tenths along the coast

- Elsewhere bergy water

June 16-22 - Melting completely to bergy water

Outlook for July...

Bergy water

Northern Labrador Coast.

7-9+ tenths first-year ice.

A trace old ice.

Outlook for June...

June 12-18 - 4-7 tenths

- 1-3 tenths in the southern section

Outlook for July...

July 1-7 - 1-3 tenths in northern section

- Bergy water in southern and central sections

July 6-12 - Melting completely to bergy water

Outlook for August...

Bergy water

Lake Melville.

7-8 tenths first-year ice in the western section.

Elsewhere open water.

Outlook for June...

June 2-5 - Melting completely to open water

June 8-12 - Ice free

Outlook for July...

Ice free

Southern Davis Strait.

8-9+ tenths first-year ice.
1 tenth old ice.
Ice within 130 nautical miles of the coast.
Outlook for June...
 7-9 tenths
 Ice within 90 nautical miles of the coast
Outlook for July...
 After July 29 - 4-6 tenths
Outlook for August...
 August 13-19 - Melting completely to bergy water
Outlook for September...
 Bergy water.

Northern Davis Strait.

9-9+ tenths first-year ice.
2 tenths old ice mostly in western section.
Outlook for June...
 8-9+ tenths
Outlook for July...
 July 18-24 - 7-8 tenths
Outlook for August...
 Aug 2-8 - 4-6 tenths
 Aug 22-28 - Melting completely to bergy water
Outlook for September...
 Bergy water

Frobisher Bay.

9-9+ tenths first-year ice in southeastern section.
Trace of old ice in the southeastern section.
Consolidated first-year ice in western section and in shallow bays.
Elsewhere 1-3 tenths first-year ice.
Outlook for June...
 June 15-21 - 7-8 tenths in the southeastern section
 - Consolidated ice in western section and in shallow bays
 - Elsewhere bergy water
Outlook for July...
 July 1-7 - Consolidated ice fracturing
 - 4-6 tenths in southeastern section
 - Elsewhere bergy water
 After July 27 - Melting completely to bergy water
Outlook for August...
 Bergy water
Outlook for September...
 Bergy water

Cumberland Sound.

9-9+ tenths first-year ice in the southeastern section.
Trace of old ice in the southeastern section.
Consolidated first-year ice along the coast and in the northwestern section of the sound.
Elsewhere 1-3 tenths first-year ice.

Outlook for June...

June 3-9 - 4-6 tenths

- Consolidated ice along the coast and northwestern section

After June 27 - 1-3 tenths

- 7-8 tenths along the coast and southeastern section

- - Consolidated ice along the coast and northwestern section

Outlook for July...

July 1-7 - Consolidated ice fracturing

After July 27 - 4-6 tenths in the southeastern section

- Elsewhere bergy water

Outlook for August...

Aug 13-19 - Melting completely to bergy water

Outlook for September...

Bergy water

Hudson Strait.

8-9+ tenths first-year ice.

Consolidated first-year ice in the southwestern part of Baffin Island.

Northeastern section near Baffin Island...a trace of old ice.

Northwestern section...7-8 tenths first-year ice.

Outlook for June...

8-9+ tenths

Northwestern section near Baffin Island coast... 1-3 tenths

Outlook for July...

July 15-21 - Bergy water in the northern section

- Elsewhere 4-6 tenths

After July 27 - Melting completely to bergy water

Outlook for August...

Bergy water

Ungava Bay.

9-9+ tenths first-year ice.

Outlook for June...

June 12-18 - 7-8 tenths

Outlook for July...

July 4-10 - 4-6 tenths

July 18-24 - Melting completely to bergy water

Outlook for August...

Bergy water

Foxe Basin.

9-9+ tenths first-year ice.

1-3 tenths first-year ice in the extreme northwestern section.

Consolidated first-year ice along the coast.

Outlook for June...

Generally 7-8 tenths

Open water in the northwestern section

After June 27 - 4-6 tenths from Charles Island to eastern Foxe.

- Open water in extreme northwestern section

- Elsewhere 7-9 tenths ice.

Outlook for July...

After July 7 - Consolidated ice beginning to fracture along the coast

After July 15 - 1-3 tenths in northwestern section

- 4-6 tenths in southeastern section

- Elsewhere 7-9 tenths ice

July 18-24 - Remainder of consolidated ice fracturing

Outlook for August...

After Aug 26 - 2-6 tenths the southern section

Outlook for September...

Sept 6-12 - 4-6 tenths in southwestern section near Southampton Island

- Elsewhere open water

Sept 11-17 - Melting completely to open water

Northwestern Hudson Bay.

9-9+ first-year ice in the southeastern section.

Consolidated first-year ice along the coast.

Elsewhere 1-3 tenths first-year ice in the northwestern section.

Outlook for June...

After June 15 - 8-9+ tenths in the extreme southeastern section

- Elsewhere 1-3 tenths except open water over the northwestern section

Outlook for July...

July 1-7 - Consolidated ice fracturing

- 4-6 tenths in southeastern section

- Elsewhere open water

July 4-10 - Melting completely to open water

Outlook for August...

Open water

Outlook for September...

Ice free

Eastern Hudson Bay – James Bay.

6-8 tenths first-year ice in the eastern section.

Elsewhere 9-9+ tenths first-year ice.

Outlook for June...

June 12-18 - 7-9 tenths in the extreme western section

- Elsewhere 4-6 tenths

June 18-24 - Open water in southern James Bay

Outlook for July...

July 9-15 - 7-8 tenths in the extreme southwestern section and in northwestern James Bay

- Elsewhere open water

July 14-20 - 4-6 tenths in the extremes southwestern section and extreme northwestern James Bay

- Elsewhere open water

July 21-27 - Melting completely to open water

Outlook for August...

Open water

Outlook for September...

Ice free

Southwestern Hudson Bay.

9-9+ tenths first-year ice.

4-6 tenths first-year ice along parts of the coast.

Outlook for June...

After June 15 - 9-9+ tenths

- 4-6 tenths within 15 nautical mile of the coast

Outlook for July...

July 3-9 - 7-8 tenths in the northern section

- 1-3 tenths within 15 nautical miles of the coast

- Elsewhere 9-9+ tenths

After July 28 - 7-8 tenths in the southern section

- 1-3 tenths along the shore and the central section

- Open water in the northern section

Outlook for August...

Aug 4-10 - 4-6 tenths in southwestern section

- Elsewhere open water

Aug 11-17 - Melting completely to open water

Outlook for September...

Ice free

Eastern and Northern Arctic

Summer ice outlook.

In general, forecast ice events are expected to be earlier than normal over most locations this summer. See http://weather.gc.ca/saisons/prob_e.html for temperature trends.

Northern Baffin Bay.

1-3 tenths first-year ice in the northwestern section.

Elsewhere 9-9+ tenths first-year ice.

2 tenths of old ice in the western section.

Outlook for June...

June 1-7 - 1-3 tenths in the northwestern section

- 7-8 tenths in the northeastern section

- Elsewhere 9-9+ tenths

June 12-18 - 1-3 tenths in the northwestern section

- 4-6 tenths in the northeastern section
- Elsewhere 9 tenths
- June 21-27 - Mostly bergy water in the northwestern section
- 4-7 tenths in the southern section

Outlook for July...

- July 3-9 - 1-3 tenths in the southwestern section
- Elsewhere bergy water
- After July 15 - Bergy water

Outlook for August...

- Bergy water
- After Aug 15 - Mainly bergy water
- 1-3 tenths old ice in the extreme northwestern section

Southwestern Baffin Bay.

9-9+ tenths first-year.

A trace of old ice.

Narrow area of 1 tenth of old ice in the southern section.

Consolidated ice along the Baffin Island coast.

Outlook for June...

9-9+ tenths

Outlook for July...

- July 13-19 - 7-8 tenths
- July 23-29 - Consolidated ice fracturing

Outlook for August ...

- Aug 12-18 - 4-6 tenths
- Aug 21-27 - Melting completely to bergy water

Outlook for September...

Bergy water

Pond and Navy Board Inlets.

Consolidated first-year ice.

A trace of old ice.

Outlook for July...

- July 11-17 - Consolidated ice fracturing
- After July 26 - melting completely to bergy water

Outlook for August...

Bergy water

Outlook for September...

Bergy water

Admiralty Inlet.

Consolidated first-year ice.

A trace of old ice.

Outlook for July...

- July 13-19 - Consolidated ice fracturing
- July 20-27 - 4-6 tenths in the southern section

- Elsewhere 1-3 tenths

After July 27 - Melting completely to bergy water

Outlook for August...

Bergy water

Outlook for September...

Bergy water

Lancaster Sound.

9-9+ tenths of first-year ice with a trace of old ice in the extreme eastern section.

Elsewhere 1-3 tenths of first-year ice with a trace of old.

Outlook for June...

June 11-18 - 7-8 tenths in extreme western section

- Elsewhere 1-3 tenths

Outlook for July...

After July 10 - 7-8 tenths in the western section

- Elsewhere 1-3 tenths

Outlook for August...

Bergy water

Barrow Strait.

Eastern section...9-9+ first-year ice including a trace of old ice.

Central section...Consolidated first-year ice including a trace of old ice.

Western section...Consolidated first-year ice with up to 5 tenths of old ice.

Outlook for June...

June 12-18 - Consolidated ice in central and western section

- 7-8 tenths in eastern section

Outlook for July...

July 1-7 - Consolidated ice fracturing in the central section

July 18-24 - 1-3 tenths in eastern and central sections

- Consolidated ice fracturing in the western section

Outlook for August...

Aug 13-18 - 1-3 tenths in the eastern section

- 7-8 tenths in the western section

After Aug 26 - 1-3 tenths in the eastern section

- 4-6 tenths in the western section

Outlook for September...

2-5 tenths

Prince Regent Inlet.

9-9+ tenths first-year ice.

Up to 1 tenth old ice.

Outlook for June...

9-9+ tenths

Outlook for July...

July 13-18 - 5-8 tenths in northern section

- Elsewhere 9-9+ tenths

Outlook for August...

- Aug 3-9 - 7-8 tenths in the southern section
 - 4-6 tenths in the northern and central sections
- Aug 18-24 - 4-6 tenths in the southern section
 - Bergy water to 1-3 tenths in the central and northern sections
- After Aug 26 - Bergy water
 - 1-3 tenths in the extreme northern and southern sections

Outlook for September...

Bergy water

Gulf of Boothia.

9-9+ tenths first-year ice.

Up to 1 tenths of old ice.

Consolidated old ice along parts of the coast.

Outlook for July...

- 9-9+ tenths ice
- July 18-24 - Consolidated ice fracturing
- After July 26 - 1-3 tenths in Pelly Bay area

Outlook for August...

- Aug 5-10 - 7-8 tenths ice in the northern section
 - Open water in Pelly Bay
 - Elsewhere 9-9+ tenths
- Aug 24-29 - Bergy water in the northern section
 - Open water in Pelly Bay
 - 5-8 tenths elsewhere

Outlook for September...

- Sept 1-7 - Melting completely to bergy water in the central section
 - 4-6 tenths in the southeastern section

Wellington Channel.

Consolidated first-year ice.

Up to 7 tenths of old ice.

Outlook for July...

- July 11-17 - Consolidated ice fracturing

Outlook for August...

- Aug 1-7 - 7-8 tenths
- Aug 12-18 - 4-6 tenths
- After Aug 26 - Melting completely to bergy water

Outlook for September...

Bergy water

McDougall Sound.

Consolidated first-year ice.

A trace of old ice.

Outlook for July...

- July 18-24 - Consolidated ice fracturing

Outlook for August...

1-3 tenths

Outlook for September...

1-3 tenths

Jones Sound.

Consolidated first-year ice.

A trace of old ice.

Western Section – up to 5 tenths old ice.

Outlook for July...

July 11-17 - Consolidated ice fracturing

- 1-3 tenths in the extreme eastern section

July 22-28 - 7-8 tenths in western section

- Elsewhere 1-3 tenths

Outlook for August...

Aug 13-18 - 1-3 tenths the western section

- Elsewhere bergy water

Outlook for September...

1-3 tenths

Norwegian Bay.

Consolidated old and first-year ice.

Outlook for July...

After July 26 - Consolidated ice fracturing in southern section

Outlook for August...

Aug 1-7 - Consolidate ice fracturing in the northern section

Aug 12-18 - 7-8 tenths

After Aug 26 - 1-3 tenths in eastern section

- 6-8 tenths in the western section

Outlook for September...

Sept 3-9 - 1-3 tenths

Eureka Sound.

Consolidated first-year ice.

A trace of old ice.

Outlook for July...

July 25-31 - Consolidated ice fracturing

Outlook for August...

Aug 12-18 – 1-3 tenths

Outlook for September...

1-3 tenths

Western Kane Basin.

1-3 tenths first year ice.

A trace of old ice.

Consolidated ice along the coast.

- Outlook for June...
 - 1-3 tenths ice.
- Outlook for July...
 - 1-3 tenths with patches of 7-8 tenths old ice
- Outlook for August...
 - 1-3 tenths with patches of 7-8 tenths old ice
- Outlook for September...
 - 4-6 tenths with areas of 7-8 tenths old ice

Western and Central Arctic

Summer temperature and ice outlook.

In general, forecast ice events are expected to be earlier than normal over most locations except near normal in the Larsen Sound area this summer. See http://weather.gc.ca/saisons/prob_e.html for temperature trends.

Southeastern Beaufort Sea.

- 1-3 tenths first-year ice in eastern section.
- 9-9+ tenth first-years ice in the western section.
- Consolidated first-year ice along the coast.
- Outlook for June...
 - 1-3 tenths in eastern section
 - 9-9+ tenths in the western section
 - After June 26 - Consolidated ice along the coast beginning to fracture
- Outlook for July...
 - July 1-7 - 1-3 tenths
 - Remaining consolidated ice along the coast fracturing
 - July 12-18 - Melting completely to open water
- Outlook for August...
 - Ice free

Amundsen Gulf.

- 1-3 tenths first-year ice.
- Consolidated first-year ice in the southern and extreme eastern sections.
- Outlook for June...
 - June 1-7 – Consolidated ice in the extreme eastern section fracturing
 - June 13-19 - Consolidated ice along the southern coast fracturing
 - 7-8 tenths in eastern section
 - 1-3 tenths in western section
- Outlook for July...
 - July 12-18 - 1-3 tenths in the western section
 - Elsewhere 4-6 tenths
- Outlook for August...
 - Aug 1-7 - Melting completely to open water
- Outlook for September...
 - Ice free

Prince of Wales Strait.

Consolidated first-year ice.

A trace of old ice in the northern section.

Outlook for July...

July 8-14 - Consolidated ice fracturing

July 24-30 – 1-3 tenths

Outlook for August...

4-6 tenths in northern section

Elsewhere open water

Outlook for September...

4-6 tenths in northern section

Elsewhere open water

Northern Alaskan Coast.

9-9+ tenths first-year ice.

Consolidated first-year ice along the coast.

Outlook for June...

After June 24 - 1-3 tenths in the eastern section

- 7-9 tenths in the western section

- Consolidated ice along the coast beginning to fracture

Outlook for July...

July 1-7 - Remainder of consolidated ice along the coast fracturing

- 7-9 tenths in the western section

- Elsewhere 1-3 tenths

After July 27 - 4-6 tenths

- Open water in the eastern section

Outlook for August...

Aug 5-12 - Melting completely to open water

Outlook for September...

Ice free

Western Alaskan Coast.

9-9+ first-year ice in the northern section.

Consolidated first-year ice along the coast.

Elsewhere open water.

Outlook for June...

9-9+ first-year ice in the extreme northern section.

Elsewhere, open water

After June 15 - Consolidated ice fracturing along the coast

Outlook for July...

July 8-14 - 4-6 tenths

July 15-21 - Melting completely to open water

Outlook for August...

Open water

Outlook for September...

Ice free

Northern Beaufort Sea south of 75°N.

9-9+ tenths first-year ice except 1-3 tenths first-year ice within 50 nautical miles of Banks Island.

A trace of old ice.

Along Banks Island Coast...Consolidated first-year ice including trace of old ice.

Outlook for June...

7-8 tenths

1-3 tenths ice within 40 nautical miles of Banks Island

Outlook for July...

7-8 tenths

1-3 tenths ice within 30 nautical miles of Banks Island

Outlook for August...

7-8 tenths

1-3 tenths in southern sections and within 30 miles of Banks Island

Outlook for September...

Open water

4-6 tenths in northern section

Arctic Ocean north of 75°N.

Very close pack first-year ice.

A trace to 3 tenths of old ice.

Very close pack old ice in the eastern section near entrance to M'Clure Strait.

Outlook for July...

9-9+ tenths

Outlook for August...

9-9+ tenths in the eastern sections

7-8 tenths in the western section

Outlook for September...

Sept 1-7 - Open Water to 1-3 tenths in the western and central sections

- 7-8 tenths in the eastern section

Dolphin and Union Strait

Consolidated first-year ice.

Outlook for June...

Consolidated ice

Outlook for July...

July 1-7 - Consolidated ice fracturing

July 17-23 - Melting completely to open water

Outlook for August...

Ice free

Coronation Gulf.

Consolidated first-year ice.

Outlook for July...

July 4-10 - Consolidated ice fracturing

July 12-18 - 4-6 tenths

July 17-23 - Melting completely to open water
Outlook for August...
Open water
Outlook for September...
Ice free

Queen Maud Gulf.

Consolidated first-year ice.
Consolidated first-year ice including a trace of old ice in the extreme northeastern section.
Outlook for July...
July 7-13 - Consolidated ice fracturing
July 18-25 - 4-6 tenths
Outlook for August...
Aug 1-5 - Open water
- 1-3 tenths old ice drifting into northeastern section
Outlook for September...
Ice free

Victoria Strait – Larsen Sound.

Consolidated ice.
Up to 7 tenths of old ice.
Outlook for July...
July 18-24 - Consolidated ice fracturing
Outlook for August...
Aug 8-14 - 4-6 tenths
After Aug 27 - 1-3 tenths
Outlook for September...
Open water except 4-6 tenths in western section

Peel Sound.

Consolidated first-year ice.
A trace of old ice.
Outlook for July...
July 15-21 - Consolidated ice fracturing
Outlook for August...
Aug 1-5 - 4-6 tenths
Aug 4-10 - Melting completely to open water
Outlook for September...
Open water

M'Clintock Channel.

Consolidated old ice.
Up to 9 tenths old ice.
Outlook for July...
After July 27 - Consolidated ice fracturing
Outlook for August...

9-9+ tenths
Aug 10-16 - 7-8 tenths
After Aug 27 - 4-6 tenths
Outlook for September...
4-6 tenths

Viscount Melville Sound.

Consolidated old ice.
Between 5 to 9 tenths old ice.
Outlook for July...
After July 27 - Consolidated ice fracturing
Outlook for August...
After Aug 21 - 9-9+ tenths except 4-6 in the northern section
Outlook for September...
Sept 3-9 - 7-8 tenths
- 1-3 tenths in the northern section

M'Clure Strait.

Consolidated old ice.
Between 5 to 9 tenths old ice in the central and northern section.
Outlook for July...
July 22-28 - Consolidated ice fracturing
Outlook for August...
Aug 12-18 - 9-9+ tenths
- 4-6 tenths in the northeastern section
Outlook for September...
7-9 tenths