

Seasonal Outlook

North American Arctic Waters
Summer 2018



By the North American Ice Service

Corrected seasonal outlook for North American Arctic Waters issued by the North American Ice Service on 6 June 2018.

Note: Modifications made to the Eastern Hudson Bay – James Bay Ice forecasting area. Everything else remains unchanged.

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 later than normal over southern and eastern Hudson Bay as well as Davis Strait. See http://weather.gc.ca/saisons/prob_e.html for temperature trends.

Southern Labrador Coast.

Current conditions...

7-8 tenths first-year ice with a trace of old ice along the coast.

Bergy water offshore.

Outlook for June...

June 1-7

- 7-8 tenths ice in the northwestern section along the coast
- Elsewhere along the coast 4-6 tenths ice
- Bergy water offshore

June 5-12

- 4-6 tenths ice in the northwestern section along the coast
- Elsewhere along the coast 1-3 tenths ice
- Bergy water offshore

June 13-19

- 1-3 tenths ice in the northwestern section along the coast
- Elsewhere bergy water

After June 20

- Melting completely to bergy water

Outlook for July...

Bergy water

Northern Labrador Coast.

Current conditions...

7-9+ tenths first-year ice along the coast including a trace of old ice.

Bergy water offshore.

Outlook for June...

June 12-18

- 7-8 tenths ice along the coast in the northwestern section
- 4-6 tenths ice along the coast in the central and southern sections
- Bergy water offshore

June 23-29

- 4-6 tenths ice in the northwestern section
- 1-3 tenths ice along the coast in the central section
- Elsewhere bergy water

Outlook for July...

July 1-7

- 1-3 tenths ice in the extreme northwestern section
- Elsewhere bergy water

July 11-17

- Melting completely to bergy water

Outlook for August...

Bergy water

Lake Melville.

Current conditions...

9-9+ tenths first-year ice in eastern section.

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

Outlook for June...

June 1-7

- 4-6 tenths ice in the eastern section
- Open water in the western section

June 7-13

- Melting completely to open water

Outlook for July...

Ice free

Southern Davis Strait.

Current conditions...

9-9+ tenths first-year ice in the western and central sections with up to 1 tenth old ice.

Elsewhere bergy water.

Outlook for June...

- 7-9 tenths ice in the western section
- Bergy water in the eastern section

Outlook for July...

After July 25

- 4-6 tenths ice in the western section
- Bergy water elsewhere

Outlook for August...

August 7-13

- 1-3 tenths ice in the western section
- Bergy water elsewhere

August 13-19

- Melting completely to bergy water

Outlook for September...

Bergy water.

Northern Davis Strait.

Current conditions...

9-9+ tenths first-year ice.

2 tenths old ice mostly in western section.

Outlook for June...

9-9+ tenths ice

Outlook for July...

After July 25

- 7-8 tenths ice in the western section
- Bergy water elsewhere

Outlook for August...

Aug 11-18

- 4-6 tenths ice in the northwestern section
- 1-3 tenths ice in the southwestern section
- Bergy water elsewhere

After Aug 25

- 1-3 tenths ice in the northwestern section
- Bergy water elsewhere

Outlook for September...

Sept 4-10

- Melting completely to bergy water

Frobisher Bay.

Current conditions...

1-3 tenths first-year ice.

Consolidated first-year ice in extreme western section and in shallow bays.

Outlook for June...

- 1-3 tenths first-year

- Consolidated ice in extreme western section and in shallow bays

Outlook for July...

July 1-7

- Consolidated ice fracturing

- Elsewhere bergy water except patches of 1-3 tenths ice

July 17-23

- Bergy water except a few patches of 1-3 tenths ice near the eastern entrance to the bay

Outlook for August...

Aug 1-7

- Melting completely to bergy water

Outlook for September...

Bergy water

Cumberland Sound.

Current conditions...

4-6 tenths first-year ice.

Consolidated first-year ice along the shore and in the northwestern section of the sound.

Outlook for June...

June 3-8

- 4-6 tenths ice

- Consolidated ice along the shore and northwestern section

After June 27

- Consolidated ice along the shore and northwestern section beginning to fracture

- 7-8 tenths ice in the southeastern section

- Elsewhere 1-3 tenths ice

Outlook for July...

After July 27

- 4-6 tenths ice 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.

Current conditions...

9-9+ tenths first-year ice in the southern section.

Northeastern section near Baffin Island: bergy water with a trace of old ice.

Northwestern section south of Baffin Island: 1-3 tenths first-year ice.

Outlook for June...

- In central and southern section 8-9+ tenths ice

- In northern section near Baffin Island coast: bergy water with some areas of 4-6 tenths ice

Outlook for July...

July 14-20

- 4-6 tenths ice with patches of 7-8 tenths ice in the southern section

- 1-3 tenths ice in the northern section

Outlook for August...

Aug 1-7

- 1-3 tenths ice in the extreme northeastern and northwestern sections

- Bergy water elsewhere

Aug 12-18

- Melting completely to bergy water

Outlook for September...

Bergy water

Ungava Bay.

Current conditions...

9-9+ tenths first-year ice in the eastern section.

4-8 tenths first-year ice in the western section

Outlook for June...

June 1-7

- 8-9 tenths ice in the eastern section

- 1-4 tenths ice with areas of 4-6 tenths ice in the western section

June 12-18

- 7-8 tenths ice in the eastern section

- 1-3 tenths ice in the western section

Outlook for July...

July 1-7

- 7-8 tenths ice along the eastern coast

- Elsewhere 1-3 tenths ice

July 11-17

- 1-3 tenths ice along the eastern coast

- Bergy water elsewhere

July 20-26

- Melting completely to bergy water

Outlook for August...

Bergy water

Outlook for September...

Bergy water

Foxe Basin.

Current conditions...

9-9+ tenths first-year ice.

Consolidated first-year ice along the shore.

Outlook for June...

9-9+ tenth ice

Consolidated ice along the shore

After June 7

- 1-3 tenths ice in extreme northwestern section

Outlook for July...

July 6-12

- 4-6 tenths ice from Charles Island to southeastern Foxe.
- 1-3 tenths ice in extreme northwestern section
- Elsewhere 7-9 tenths ice.

Outlook for August...

Aug 21-27

- 2-6 tenths ice the southwestern and northeastern sections

Outlook for September...

Sept 13-19

- 1-3 tenths ice in southwestern section near Southampton Island
- Elsewhere open water

Sept 19-25

- Melting completely to open water except patches of 1-3 tenths ice in Fury and Hecla Strait and extreme northwestern Foxe Basin

Northwestern Hudson Bay.

Current conditions...

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

Open water in the northwestern section.

Consolidated first-year ice along the shore.

Outlook for June...

After June 15

- 8-9+ tenths ice in the extreme southeastern section
- Elsewhere 1-3 tenths ice except open water over the northwestern section

Outlook for July...

July 3-9

- Consolidated ice fracturing
- 4-6 tenths ice in extreme southwestern section
- Elsewhere open water

After July 18

- Melting completely to open water

Outlook for August...

Open water

Outlook for September...

Ice free

Eastern Hudson Bay – James Bay.

Current conditions...

7-8 tenths first year ice in James Bay.

Elsewhere, 9-9+ tenths first-year ice.

Outlook for June...

June 12-18

- 4-6 tenths ice in southern James Bay
- Elsewhere 8-9+ tenths ice

June 18-24

- Open water in southern James Bay
- 7-8 tenths ice in northern James Bay
- Elsewhere 8-9+ tenths ice

Outlook for July...

July 13-18

- Open water in southern James Bay
- 4-6 tenths ice in northern James Bay and the northern section of eastern Hudson Bay
- Elsewhere 7-8 tenths ice

After July 28

- Open water in southern and central sections of James Bay
- 1-3 tenths ice in the northern section of James Bay and the northern section of eastern Hudson Bay
- Elsewhere 4-6 tenths ice with areas of 7-8 tenths ice

Outlook for August...

Aug 4-10

- Melting completely to open water

Outlook for September...

Ice free

Southwestern Hudson Bay.

Current conditions...

9-9+ tenths first-year ice.

Outlook for June...

9-9+ tenths ice

Outlook for July...

July 3-8

- 9-9+ tenths ice

- 7-8 tenths ice along the shore and in the northern section

July 15-21

- 7-8 tenths ice in the southern section

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

- Elsewhere open water

Outlook for August...

Aug 1-7

- 4-6 tenths ice in southwestern section

- Elsewhere open water

Aug 19-25

- 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 near to earlier than normal over most locations this summer except later than normal in the southern part of Baffin Bay. See http://weather.gc.ca/saisons/prob_e.html for temperature trends.

Northern Baffin Bay.

Current conditions...

1-3 tenths first-year ice including a trace of old ice in the extreme northern section.

Elsewhere 9-9+ tenths first-year ice.

2 tenths old ice in the western section.

Outlook for June...

June 1-7

- 1-3 tenths ice in the northwestern section
- Elsewhere 7-9+ tenths ice

June 21-27

- Mostly bergy water in the northwestern section
- 4-7 tenths ice in the southwestern section
- Elsewhere 7-9 tenths ice

Outlook for July...

July 3-9

- Mostly bergy water in the northwestern section
- 1-3 tenths ice in the southwestern section
- Elsewhere 4-6 tenths ice

Outlook for August...

Aug 3-9

- Mainly bergy water
- 1-3 tenths ice in the extreme northwestern and southeastern sections

After Aug 15

- Mainly bergy water
- 1-3 tenths old ice in the extreme northwestern section

Southwestern Baffin Bay.

Current conditions...

9-9+ tenths first-year ice including 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 ice

Outlook for July...

July 13-18

- 7-8 tenths ice

July 23-29

- Consolidated ice fracturing

July 24-30

- 4-6 tenths ice in the western section

- Elsewhere bergy water

Outlook for August ...

Aug 15-21

- 1-3 tenths ice

After Aug 28

- Melting completely to bergy water

Outlook for September...

Bergy water

Pond and Navy Board Inlets.

Current conditions...

Consolidated first-year ice.

A trace of old ice.

Outlook for July...

July 15-21

- Consolidated ice fracturing

After July 28

- 4-6 tenths ice

Outlook for August...

Aug 3-9

- Melting completely to bergy water

Outlook for September...

Bergy water

Admiralty Inlet.

Current conditions...

Consolidated first-year ice.

A trace of old ice.

Outlook for July...

July 16-22

- Consolidated ice fracturing

After July 27

- 4-6 tenths ice in southern section
- Elsewhere 1-3 tenths ice

Outlook for August...

Aug 4-10

- Melting completely to bergy water

Outlook for September...

Bergy water

Lancaster Sound.

Current conditions...

1-3 tenths first-year ice including a trace of old ice in the eastern section.

Consolidated first-year ice including a trace of old ice in the central and western sections.

Outlook for June...

June 24-30

- Bergy water in the eastern section
- Consolidated ice in the central section fracturing
- Consolidated ice in the western section

Outlook for July...

July 1-7

- Consolidated ice in the western section fracturing
- 4-6 tenths ice in the central and eastern sections

After July 14

- 7-8 tenths ice in the western section
- Elsewhere 1-3 tenths ice

Outlook for August...

Bergy water except 1-3 tenths ice in the extreme southwestern section

Outlook for September...

Bergy water

Barrow Strait.

Current conditions...

In southwestern section - consolidated first-year ice with up to 7 tenths old ice.

Elsewhere consolidated first-year ice including a trace of old ice.

Outlook for June...

Consolidated ice

Outlook for July...

July 4-10

- Consolidated ice fracturing in eastern section

July 16-22

- 7-9 tenths ice in eastern section

- Consolidated ice fracturing in the western section

Outlook for August...

Aug 13-18

- 1-3 tenths ice in the eastern section

- 7-8 tenths ice in the western section

After Aug 26

- 1-3 tenths ice in the eastern section

- 7-8 tenths ice in the western section

Outlook for September...

First half of September

- Generally 2-5 tenths ice with areas of 7-8 tenths ice in the southwestern section

Second half of September

- New and grey ice forming increasing concentration to 8-9+ tenths ice in the western section

- Some new ice forming increasing concentration to 4-6 tenths ice in the eastern section

Prince Regent Inlet.

Current conditions...

Consolidated first-year ice with up to 1 tenth old ice in the northern section.

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

Outlook for June...

After June 26

- Consolidated ice fracturing in northern section
- Elsewhere 9-9+ tenths ice

Outlook for July...

July 13-18

- 7-8 tenths ice in northern section
- Elsewhere 9-9+ tenths ice

Outlook for August...

Aug 3-9

- 9-9+ tenths ice in the extreme southern section
- 4-6 tenths ice in the northern and central sections

Aug 18-24

- 4-6 tenths ice in the southern section
- Bergy water to 1-3 tenths ice in the central and northern sections

After Aug 26

- 1-3 tenths ice in the extreme northern and southern sections
- Elsewhere bergy water

Outlook for September...

Bergy water

Gulf of Boothia.

Current conditions...

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

Consolidated old ice along parts of the coast.

Outlook for July...

July 18-24

- Consolidated ice fracturing along the coast
- Elsewhere 9-9+ tenths ice

After July 26

- 1-3 tenths ice in Pelly Bay area
- Elsewhere 8-9+ tenths ice

Outlook for August...

Aug 5-10

- 7-8 tenths ice in the northern section
- Elsewhere 9-9+ tenths ice
- Open water in Pelly Bay

Aug 24-29

- Bergy water in the northern section
- Open water in Pelly Bay
- Elsewhere 7-8 tenths ice

Outlook for September...

Sept 1-7

- Melting completely to bergy water in the central section
- 4-6 tenths ice in the southeastern section

Wellington Channel.

Current conditions...

Consolidated first-year ice.

Up to 7 tenths old ice.

Outlook for July...

July 20-26

- Consolidated ice fracturing

Outlook for August...

Aug 1-7

- 7-8 tenths ice

Aug 12-18

- 1-3 tenths ice

After Aug 26

- Melting completely to bergy water

Outlook for September...

After Sept 21

- Some new ice forming

McDougall Sound.

Current conditions...

Consolidated first-year ice with a trace of old ice in the southern section.

Consolidated old ice north of Little Cornwallis Island

Outlook for July...

Consolidated ice

Outlook for August...

Aug 2-8

- Consolidated ice fracturing

Aug 12-18

- 1-3 tenths ice

Outlook for September...

After Sept 21

- New ice forming

Jones Sound.

Current conditions...

Consolidated first-year ice with up to 3 tenths old ice.

Outlook for July...

July 19-25

- Consolidated ice fracturing

- 1-3 tenths ice in the extreme eastern and the extreme northwestern sections

After July 25

- 7-8 tenths ice in western section

- Elsewhere 1-3 tenths ice

Outlook for August...

Aug 13-18

- 1-3 tenths ice in the western section

- Elsewhere bergy water

Outlook for September...

1-3 tenths ice

Norwegian Bay.

Current conditions...

Consolidated old and first-year ice.

Outlook for July...

July 22-28

- Consolidated ice fracturing in southern section

Outlook for August...

Aug 1-7

- Consolidate ice fracturing in the northern section
- 8-9+ tenths ice in the southern section

Aug 12-18

- 7-8 tenths ice

After Aug 26

- 1-3 tenths ice in eastern section
- 7-8 tenths ice in the western section

Outlook for September...

Sept 3-9

- 7-8 tenths ice in the southwestern section
- Elsewhere 1-3 tenths ice

After Sept 15

- New ice formation increasing concentration to 7-9+ tenths ice

Eureka Sound.

Current conditions...

Consolidated old ice

Outlook for July...

July 12-18

- Consolidated ice beginning to fracture in some sections

After July 27

- Remaining consolidated ice fracturing

Outlook for August...

Aug 4-10

- 1-3 tenths ice in central and southern sections
- 7-8 tenths ice in the extreme northern section

Aug 17-23

- 1-3 tenths ice

Outlook for September...

After Sept 15

- New ice formation increasing concentration to 9-9+ tenths ice

Western Kane Basin.

Current conditions...

Consolidated old ice.

Outlook for June...

June 21-27

- Consolidated ice beginning to fracture

Outlook for July...

July 1-7

- Remaining consolidated ice fracturing
- 9-9+ tenths ice

July 25-31

- 7-8 tenths ice

Outlook for August...

Aug 12-18

- 1-3 tenths ice with patches of 4-6 tenths ice

Outlook for September...

First half of Sept

- 4-6 tenths old ice with areas of 7-8 tenths old ice

Second half of Sept

- 9-9+ tenths new and old ice

Western and Central 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.

Southeastern Beaufort Sea.

Current conditions...

4-6 tenth first-year ice including a trace of old ice except 9-9+ tenths first-year ice including up to 7 tenths old ice in the northwestern section.

Consolidated first-year ice along the shore.

Outlook for June...

June 12-18

- 7-8 tenths ice in the northwestern section
- Elsewhere 4-6 tenths ice
- Consolidated ice along the shore

After June 26

- Consolidated ice along the coast beginning to fracture
- Elsewhere 1-3 tenths ice except a few areas of 4-6 tenths ice

Outlook for July...

July 1-7

- Remaining consolidated ice along the shore fracturing
- Elsewhere open water with areas of 4-6 tenths in the northeastern section

July 12-18

- Open water except 4-6 tenths ice in the northeastern section

Outlook for August...

Ice free except 4-6 tenths ice in the northeastern section

Outlook for September...

Ice free

Amundsen Gulf – Dolphin and Union Strait.

Current conditions...

Consolidated first-year ice in the eastern and northeastern sections as well as along the southern coast.

Elsewhere 4-6 tenths first-year ice.

Outlook for June...

June 18-24

- Consolidated ice along the southern shore fracturing
- Consolidated ice in the eastern and northern sections
- Elsewhere 1-3 tenths ice with some patches of 4-6 tenths ice

After June 25

- Consolidated ice in the eastern and northern section fracturing
- Elsewhere 1-3 tenths ice

Outlook for July...

July 6-12

- 4-6 tenths ice in the northern section
- Elsewhere 1-3 tenths ice

July 17-23

- 1-3 tenths ice in the northern section
- Elsewhere open water

Outlook for August...

Open water except isolated patches of 1-3 tenths ice in the extreme northern section

Outlook for September...

Ice free

Prince of Wales Strait.

Current conditions...

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

Outlook for July...

July 12-18

- Consolidated ice fracturing

July 24-30

- 1-3 tenths ice except 4-6 tenths ice in northern section

Outlook for August...

- 4-6 tenths ice in northern section
- Elsewhere open water except a few patches of 1-3 tenths ice

Outlook for September...

- 4-6 tenths ice in northern section
- Elsewhere open water

Northern Alaskan Coast.

Current conditions...

Mostly 9-9+ tenths first-year ice except open water sections west of Point Barrow.

Consolidated first-year ice along the coast.

Outlook for June...

After June 24

- 1-3 tenths ice west and near Point Barrow
- Elsewhere 7-9 tenths ice
- Consolidated ice along the coast beginning to fracture

Outlook for July...

July 1-7

- Remainder of consolidated ice along the coast fracturing
- 1-3 tenths ice west and near Point Barrow
- Elsewhere 7-9 tenths ice

After July 28

- 4-6 tenths ice
- Open water west and near Point Barrow

Outlook for August...

Aug 5-12

- Melting completely to open water

Outlook for September...

Ice free

Western Alaskan Coast.

Current conditions...

9-9+ tenths first-year ice in the northeastern section.

Consolidated first-year ice along the coast.

Elsewhere open water.

Outlook for June...

- 9-9+ tenths ice in the northeastern section
- Elsewhere open water
- After June 15 - Consolidated ice fracturing along the coast

Outlook for July...

July 1-7

- 6-8 tenths in the northeastern section and along parts of the coast
- Elsewhere open water

July 8-14

- 4-6 tenths in the northeastern section
- Elsewhere open water

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.

Current conditions...

9-9+ tenths old ice.

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

Outlook for June...

After June 25

- 8-9+ tenths ice except 4-6 tenths ice within 40 nautical miles of Banks Island

Outlook for July...

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

- 4-6 tenths ice in the southwestern section

- Elsewhere 7-8 tenths ice

Outlook for August...

After Aug 15

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

- Elsewhere 7-8 tenths ice

Outlook for September...

- 4-6 tenths ice in northern section

- Elsewhere open water

Arctic Ocean north of 75°N.

Current conditions...

9-9+ tenths old ice.

Outlook for July...

9-9+ tenths ice

Outlook for August...

- 9-9+ tenths ice in the eastern sections

- 7-8 tenths ice in the western section

Outlook for September...

Sept 1-7

- 7-9 tenths ice

Coronation Gulf.

Current conditions...

Consolidated first-year ice.

Outlook for July...

July 5-11

- Consolidated ice fracturing

July 11-17

- 4-6 tenths ice

July 17-23

- Melting completely to open water

Outlook for August...

Open water

Outlook for September...

Ice free

Queen Maud Gulf.

Current conditions...

Consolidated first-year ice including a trace of old ice mostly in the eastern section.

Outlook for July...

July 12-18

- Consolidated ice fracturing

After July 23

- 4-6 tenths ice

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.

Current conditions...

Consolidated first-year ice with up to 7 tenths of old ice.

Outlook for July...

July 15-21

- Consolidated ice fracturing

Outlook for August...

Aug 17-23

- 4-6 tenths ice in the eastern section

- Elsewhere 8-9+ tenths ice

After Aug 27

- 1-3 tenths ice except 4-6 tenths ice in the western section

Outlook for September...

Open water except 4-6 tenths ice in western section

Peel Sound.

Current conditions...

Consolidated first-year ice with up to 3 tenths old ice.

Outlook for July...

July 22-28

- Consolidated ice fracturing

Outlook for August...

Aug 8-14

- 4-6 tenths ice

Aug 14-20

- Open water with patches of 1-3 tenths ice

Outlook for September...

Open water

M'Clintock Channel.

Current conditions...

Consolidated old ice.

Outlook for July...

July 19-25

- Consolidated ice fracturing

Outlook for August...

Aug 10-16

- 7-8 tenths ice except 9-9+ tenths ice in the southwestern section

After Aug 27

- 4-6 tenths ice except 7-8 tenths ice along the Victoria Island coast

Outlook for September...

4-6 tenths ice

Viscount Melville Sound.

Current conditions...

Consolidated first-year ice with up to 7 tenths old ice in some areas.

Outlook for July...

July 25-31

- Consolidated ice fracturing

Outlook for August...

After Aug 21

- 9-9+ tenths ice except 4-6 in the northern section

Outlook for September...

Sept 3-9

- 7-8 tenths ice

- 1-3 tenths ice in the northern section

M'Clure Strait.

Current conditions...

Consolidated old ice in the eastern section.

Consolidated first-year ice in the western section including up to 4 tenths old ice in the southwestern section.

Outlook for July...

July 19-25

- Consolidated ice fracturing

Outlook for August...

Aug 12-18

- 9-9+ tenths ice

- 4-6 tenths ice in the northeastern section

Outlook for September...

7-9 tenths ice