

Seasonal Outlook

North American Arctic Waters
Summer 2014



By the North American Ice Service

Seasonal outlook for North American Arctic Waters issued by the North American Ice Service on 2 June 2014.

Hudson Bay, Davis Strait and Labrador Coast

Summer temperature and ice outlook.

Average air temperatures will be near normal over most locations from June to August except for slightly above normal over western Hudson Bay, in Foxe Basin and Hudson Strait. In general, forecast ice events are expected to be near normal for most locations this summer except earlier than normal for clearing in Davis Strait and the open water route from Foxe Channel to Hall Beach.

Labrador Coast.

Close to very close pack first-year ice with a trace of old ice within 90 miles of the coast increasing to 150 miles over the extreme northern section. Narrow areas of 2 tenths of old ice in the pack ice over the extreme northern section.

Outlook for June...North of Cartwright close to very close pack ice. South of Cartwright ice becoming open drift or less ice during the first week. Ice melting completely south of Cartwright during the third week then bergy water.

Outlook for July...Close pack ice north of Cartwright becoming open drift or less ice during the second week. Ice melting completely north of Cartwright during the fourth week of July. Elsewhere bergy water.

Outlook for August...Bergy water.

Lake Melville.

Close pack first-year ice.

Outlook for June...Open drift to close pack ice. Ice melting completely during the second week then open water.

Outlook for July...Open water.

Davis Strait.

Close to very close pack first-year ice with up to 2 tenths of old ice within 150 miles of the coast except for an area of very close pack old ice east of Hall Peninsula. Icebergs and ice islands over the area starting in August.

Outlook for June...Close to very close pack ice.

Outlook for July...Close to very close pack ice becoming open drift or less ice east of Frobisher Bay after mid-July and from Cumberland Sound southward at the end of July.

Outlook for August...Ice melting completely east of Frobisher during the first week and north of Frobisher Bay during the third week then bergy water.

Outlook for September...Bergy water.

Frobisher Bay.

Consolidated first-year ice in shallows bays and inlets. Elsewhere very open drift first-year ice except very close pack first-year ice over the eastern section. A trace of old ice in the pack ice.

Outlook for June...Consolidated ice in shallows bays and inlets. Elsewhere open drift or less ice.

Outlook for July...Consolidated ice fracturing near mid-July. Elsewhere open drift or less ice.

Outlook for August...Ice melting completely during the first week then bergy water.

Cumberland Sound.

Consolidated first-year ice in shallows bays and inlets. Elsewhere very open drift first-year ice with a trace of old ice.

Outlook for June...Consolidated ice in shallows bays and inlets. Elsewhere open drift or less ice.

Outlook for July...Consolidated ice fracturing near mid-July. Elsewhere open drift or less ice.

Outlook for August...Ice melting completely during the second week then bergy water.

Hudson Strait.

Close to very close pack first-year ice.

Outlook for June...Close to very close pack ice except for areas of open drift or less ice along the shores. Ice becoming open drift to close pack ice during the third week.

Outlook for July...Ice becoming open drift or less ice during the third week.

Outlook for August...Ice melting completely during the first week of August then bergy water.

Ungava Bay.

Very close pack first-year ice.

Outlook for June...Close to very close pack ice.

Outlook for July...Open drift to close pack ice becoming open drift or less ice near mid-July. Ice melting completely at the end of July.

Outlook for August...Bergy water.

Foxe Basin.

Very close pack first-year ice except for an area of very open drift first-year ice over the extreme northwestern portion.

Outlook for June...Ice becoming close to very close pack ice after mid-month.

Outlook for July...Close to very close pack ice except open drift or less ice over the extreme northwestern and southeastern sections in early July.

Outlook for August...Close to very close pack ice except open drift or less ice over the eastern and northern sections during the first week. Ice melting completely over the northern and eastern sections during the third week.

Outlook for September...Ice melting completely over the southwestern section during the third week. Elsewhere open water.

Hudson Bay.

Very close pack first-year ice except for narrow areas of open drift first-year ice along portions of the eastern shore.

Outlook for June...Close to very close pack ice except open drift to close pack ice over the northern and eastern thirds during the last week.

Outlook for July...Ice becoming open drift or less ice over the northern and eastern sections during the third week. Elsewhere close pack ice. Ice melting completely over the northern and eastern sections during the fourth week.

Outlook for August...Ice melting completely over the southwestern section during the second week. Elsewhere open water.

Outlook for September...Ice free.

James Bay.

Very close pack first-year ice except for narrow areas of very open drift first-year ice over the extreme northeastern and southwestern sections.

Outlook for June...Close to very close pack ice except open drift or less ice over the southern section and along the eastern shore during the third week.

Outlook for July...Ice becoming open drift or less ice during the second week except for open water over the southern section. Ice melting completely over the northern section during the fourth week.

Outlook for August...Ice free.

Table 1: Hudson Bay - Outlook Dates

Arctic Events	Earliest Date (1968-2013)	Latest Date (1968-2013)	Median (1981-2010)	Outlook
Labrador Coast to Cape Chidley Area - Bergy water	25 Jun	27 Aug	21 Jul	25-27 Jul
Davis Strait to Iqaluit Route - Open drift or less	23 Jun	21 Aug	19 Jul	17-19 Jul
Frobisher Bay Area - Bergy water	9 Jul	9 Sep	4 Aug	4-6 Aug
Davis Strait Area - Bergy water	21 Jul	14 Oct	2 Sep	20-22 Aug
Ungava Bay Area - Bergy water	2 Jul	1 Sep	31 Jul	30 Jul-1 Aug
Davis Strait to Nottingham Island Route - Bergy water	29 Jun	5 Sep	25 Jul	18-20 Jul
Hudson Strait Area - Bergy water	13 Jul	9 Sep	4 Aug	3-5 Aug
Davis Strait to Churchill Route - Bergy/open water	6 Jul	5 Sep	26 Jul	18-20 Jul
Nottingham Island to Churchill Route - Open water	5 Jul	21 Aug	17 Jul	14-16 Jul
Hudson Bay Area - Open water	24 Jul	10 Sep	19 Aug	14-16 Aug
Foxe Channel to Hall Beach Route - Open water	16 Aug	9 Oct	29 Aug	21-23 Aug
Foxe Basin Area - Open water	1 Sep	6 Oct	20 Sep	18-20 Sep
James Bay Area - Open water	29 Jun	7 Sep	27 Jul	22-24 Jul

Eastern and Northern Arctic

Summer temperature and ice outlook.

Average air temperatures will be slightly above normal over most locations from June to August except near normal over the High Arctic. In general, forecast ice events are expected to be near normal over most locations this summer except earlier than normal for clearing in Baffin Bay and fracture events over the High Arctic.

Baffin Bay.

Very close pack first-year ice except for an area of very open to open drift first-year ice over the extreme northwestern section. Narrow areas of 2 tenths of old ice in the pack ice over the western section. Icebergs and ice islands starting in August.

Outlook for June...Close to very close pack ice except for an area of open drift or less ice over the extreme northwestern section.

Outlook for July...Close to very close pack ice except for an area of open drift or less ice developing between 73°N and 75°N early in the second week. A bergy water route developing between 73°N and 75°N early in the fourth week.

Outlook for August (**western section**)...Becoming open drift or less ice over the central and southwestern sections during the first week. Ice melting completely during the third week. Elsewhere bergy water.

Outlook for September (**western section**)...Bergy water.

Pond Inlet.

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

Outlook for July...Consolidated ice fracturing during the fourth week.

Outlook for August...Becoming open drift to close pack ice during the first week. Ice melting completely early in the second week then bergy water.

Outlook for September...Bergy water.

Kane Basin.

Consolidated old and first-year ice except for an area of very open drift old ice over the southwestern section. Icebergs and ice islands starting in August.

Outlook for July...Very open drift ice over the southwestern section. Elsewhere consolidated ice fracturing during the third week then close to very close pack ice.

Outlook for August...Close to very close pack ice becoming open drift or less ice near mid-August.

Outlook for September...Open drift to close pack ice.

Kennedy Channel.

Consolidated first-year ice with 2 tenths of old ice. Icebergs and ice islands starting in August.

Outlook for July...Consolidated ice fracturing during the third week then close to very close pack ice.

Outlook for August...Close to very close pack ice becoming open drift or less ice near mid-August.

Outlook for September...Open drift to close pack ice.

Admiralty Inlet Northern.

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

Outlook for July...Consolidated ice fracturing during the fourth week.

Outlook for August... Ice melting completely during the first week then bergy water.

Outlook for September...Bergy water.

Lancaster Sound.

Very open drift first-year ice with a trace of old ice.

Outlook for June...Open drift or less ice.

Outlook for July...Very open drift ice. Ice becoming open drift to close pack ice over the western section during the third week.

Outlook for August...Ice melting completely during the second week then bergy water.

Outlook for September...Bergy water except for very open drift ice over the extreme southwestern section.

Prince Regent Inlet.

Very close pack first-year ice except for consolidated first-year ice over the central section.

Trace of old ice in the pack ice.

Outlook for July...Consolidated ice over the central section fracturing early in July. Elsewhere close to very close pack ice. Ice becoming open drift or less ice over the northern section during the third week.

Outlook for August...Over the northern section open drift or less ice. Over the southern section close to very close pack ice becoming open drift or less ice during the second week. Ice melting over the whole area at the end of August.

Outlook for September...Bergy water.

Gulf of Boothia.

Very close pack first-year ice with a trace of old ice.

Outlook for July...Close to very close pack ice.

Outlook for August...Close to very close pack ice becoming open drift or less ice over the northern section during the third week and open drift to close pack ice over the southern section at the end of the August.

Outlook for September...Open drift or less ice.

Pelly Bay.

Consolidated first-year ice with 1 tenth of old ice.

Outlook for July...Consolidated ice fracturing during the third week. Becoming open drift or less ice during the fourth week.

Outlook for August...Ice melting completely during the first week then bergy water.

Outlook for September...Open drift or less ice during the first week.

Barrow Strait.

Consolidated first-year ice with a trace of old ice except for narrow areas of consolidated old and first-year ice in the central section.

Outlook for July...Consolidated ice fracturing over the eastern section during the second week and the western section early in the fourth week then very close pack ice. Ice becoming open drift or less ice over the eastern section during the fourth week.

Outlook for August...Open drift or less ice over the eastern section. Close to very close pack ice becoming open drift or less ice over the western section during the second week. Ice melting completely at the end of August.

Outlook for September...Bergy water.

Wellington Channel.

Consolidated first-year ice with a trace of old ice except for narrow areas of consolidated old and first-year ice over the southern and in the extreme northwestern section.

Outlook for July...Consolidated ice fracturing late in the fourth week.

Outlook for August...Close to very close pack ice becoming open drift or less ice during the second week. Ice melting completely during the fourth week.

Outlook for September...Bergy water.

McDougall Sound.

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

Outlook for July...Consolidated ice fracturing during the fourth week.

Outlook for August...Ice becoming open drift or less ice during the first week.

Outlook for September...Open drift or less ice.

Jones Sound.

Consolidated first-year ice with up to 2 tenths of old ice.

Outlook for July...Ice fracturing late in the fourth week.

Outlook for August...Close to very close pack ice becoming open drift or less ice during the second week.

Outlook for September...Open drift or less ice.

Norwegian Bay.

Consolidated old and first-year ice.

Outlook for July...Consolidated ice fracturing during the fourth week.

Outlook for August...Close to very close pack ice becoming open drift or less ice over the eastern section during the second week and over the western section at the end of August.

Outlook for September...Open drift or less ice.

Eureka Sound.

Consolidated first-year ice with up to 2 tenths of old ice except for narrow areas of consolidated old and first-year ice over the central section.

Outlook for July...Consolidated ice fracturing during the fourth week then close to very close pack ice.

Outlook for August...Close to very close pack ice becoming open drift or less ice during the second week. Ice melting completely during the third week.

Outlook for September...Bergy water.

Table 2: Eastern Arctic - Outlook Dates

Arctic Events	Earliest Date (1968-2013)	Latest Date (1968-2013)	Median (1981-2010)	Outlook
Baffin Bay Northern Route - Open drift or less - Bergy water	10 Jun 13 Jun	18 Aug 15 Sep	13 Jul 27 Jul	5-7 Jul 19-21 Jul
Baffin Bay Area - Bergy water	10 Aug	7 Oct	6 Sep	22-24 Aug
Frobisher Bay to Home Bay Route - Open drift or less	22 Jul	19 Sep	5 Aug	30 Jul-1 Aug
Frobisher Bay to Cape Dyer Route - Open drift or less	24 Jun	15 Sep	25 Jul	21-23 Jul
Pond Inlet Area - Fracture - Bergy water	10 Jul 25 Jul	19 Aug 12 Sep	23 Jul 8 Aug	21-23 Jul 9-11 Aug
Admiralty Inlet Northern Area - Fracture - Bergy water	29 Jun 17 Jul	7 Aug 12 Sep	21 Jul 6 Aug	23-25 Jul 3-5 Aug
Lancaster Sound Area - Fracture	12 Jun	3 Aug	6 Jul	Already fractured
Barrow Strait Eastern Area - Fracture	20 Jun	4 Aug	8 Jul	7-9 Jul
Barrow Strait Western Area - Fracture	5 Jul	19 Aug	24 Jul	19-21 Jul
Wellington Channel Area - Fracture	3 Jul	24 Aug	26 Jul	25-27 Jul
McDougall Sound Area - Fracture	14 Jul	16 Sep	31 Jul	21-23 Jul
Kane Basin Area - Fracture	6 Jun	16 Aug	20 Jul	17-19 Jul
Jones Sound Area - Fracture	6 Jul	16 Aug	29 Jul	25-27 Jul
Norwegian Bay Southern Area - Fracture	12 Jul	30 Aug	29 Jul	19-21 Jul
Norwegian Bay Northern Area - Fracture	14 Jul	31 Aug	4 Aug	19-21 Jul
Eureka Sound Area - Fracture - Bergy water	9 Jul 7 Aug	31 Aug 29 Aug	1 Aug 18 Aug	23-25 Jul 18-20 Aug
Davis Strait to Thule Route - Open drift or less - Bergy water	N/A N/A	N/A N/A	13 Jul 27 Jul	5-7 Jul 19-21 Jul

Western and Central Arctic

Summer temperature and ice outlook.

Average air temperatures will be near normal over most locations from June to August except slightly above normal from Coronation Gulf to Peel Sound. In general, forecast ice events are expected to be near normal over most locations this summer except earlier than normal for clearing along the Alaskan Coast and the shipping route from Amundsen Gulf to Taloyoak.

Tuktoyaktuk Peninsula.

Consolidated first-year ice.

Outlook for July...Ice fracturing during the first week then open drift or less ice during the third week. Ice melting completely during the fourth week.

Outlook for August...Ice free.

Mackenzie Bay to Cape Bathurst.

Consolidated first-year ice.

Outlook for June...Consolidated ice along the coast. Ice melting completely in Mackenzie Bay during the third week. Consolidated ice north of Mackenzie Bay fracturing during the fourth week.

Outlook for July...Ice melting completely north of Mackenzie Bay in early July. Consolidated ice from east of Mackenzie Bay to Cape Bathurst fracturing during the first week then open drift or less ice during the third week. Ice melting completely during the fourth week.

Outlook for August...Ice free.

Beaufort Sea south of 75°N.

South of 72°30'N very close pack first-year ice with a trace of old ice. North of 72°30'N very close pack old ice.

Outlook for June...Close to very close pack ice except for areas of open drift or less ice forming north of the consolidated ice along Tuktoyaktuk Peninsula and west of Banks Island during the second week.

Outlook for July...Close to very close pack ice except for large areas of open drift or less ice north of Tuktoyaktuk Peninsula and west of Banks Island. Ice melting completely within 90 miles north of the mainland coast east of 145°W and 90 miles west of Banks Island during the third week. Ice becoming open drift or less ice within 90 miles of the Alaskan Coast west of 145°W during the fourth week.

Outlook for August...Open water within 110 miles north of the mainland coast east of 145°W. Open drift or less ice within 120 miles of the coast west of 145°W melting completely near mid-August. Beyond 110 miles of the coast close to very close pack ice becoming open drift to close pack ice near mid-August.

Outlook for September...Open water within 150 miles north of the mainland coast. Beyond 150 miles north of the coast open drift to close pack ice.

Arctic Ocean north of 75°N.

Very close pack old ice.

Outlook for July...Close to very close pack ice.

Outlook for August...Close to very close pack ice becoming open drift to close pack ice south of 76°N during the third week.

Outlook for September...Close to very close pack ice except open drift to close pack ice south of 76°N.

Cape Lisburne to Point Barrow.

Very close pack first-year ice. A trace of old ice north of Wainwright.

Outlook for July...Close to very close pack ice becoming open drift or less ice during the fourth week. Ice melting completely at the end of July.

Outlook for August...Ice free.

Amundsen Gulf.

Close to very close pack first-year ice.

Outlook for June...Close to very close pack ice becoming open drift or less ice over the eastern section near mid-June.

Outlook for July...Close to very close pack ice over the western section becoming open drift or less ice during the first week. Over the eastern section open drift or less ice.

Outlook for August...Ice melting completely in early August then open water.

Outlook for September...Ice free.

Coronation Gulf.

Consolidated first-year ice.

Outlook for July...Consolidated ice fracturing near mid-July. Ice becoming open drift or less ice during the fourth week.

Outlook for August...Ice melting completely in early August then open water.

Outlook for September...Ice free.

Queen Maud Gulf.

Consolidated first-year ice.

Outlook for July...Consolidated ice fracturing early in the fourth week.

Outlook for August...Ice becoming open drift or less ice early in August. Ice melting completely during the second week then open water.

Outlook for September...Ice free.

Victoria Strait.

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

Outlook for July...Consolidated ice fracturing during the fourth week.

Outlook for August...Close to very close pack ice becoming open drift or less ice during the third week. Ice melting completely at the end of August.

Outlook for September...Open water.

Larsen Sound.

Consolidated first-year ice with up to 2 tenths of old ice.

Outlook for July...Consolidated ice fracturing during the fourth week.

Outlook for August...Close to very close pack ice becoming open drift or less ice during the third week.

Outlook for September...Ice melting completely during the third week then open water.

Peel Sound.

Consolidated first-year ice with up to 2 tenths of old ice.

Outlook for July...Consolidated ice fracturing during the fourth week.

Outlook for August...Close to very close pack ice becoming open drift or less ice over the northern section during the second week and over the southern section during the third week.

Outlook for September...Ice melting completely during the first week then open water.

M'Clintock Channel.

Consolidated first-year ice with a trace of old ice except for an area of consolidated old and first year ice over the central section.

Outlook for July...Consolidated ice fracturing near the end of July.

Outlook for August...Close to very close pack ice becoming open drift or less ice over the southern section during the fourth week.

Outlook for September...Over the northern section ice becoming open drift to close pack ice during the first week. Over the southern section open drift or less ice.

Viscount Melville Sound.

Consolidated first-year ice with up to 2 tenths of old ice over the western section. Consolidated old and first-year ice over the eastern section.

Outlook for July...Consolidated ice fracturing at the end of July.

Outlook for August...Close to very close pack ice becoming open drift or less ice over the eastern section during the third week and over the western section at the end of August.

Outlook for September...Open drift or less ice.

M'Clure Strait.

Consolidated first-year ice with a trace of old ice over the southern section. Consolidated old and first-year ice over the northern section.

Outlook for July...Consolidated ice fracturing during the fifth week.

Outlook for August...Close to very close pack becoming open drift or less ice during the third week.

Outlook for September...Open drift or less ice.

Table 3: Western Arctic - Outlook Dates

Arctic Events	Earliest Date (1968-2013)	Latest Date (1968-2013)	Median (1981-2010)	Outlook
Mackenzie Bay Area - Open water	1 Jun	18 Jul	20 Jun	20-22 Jun
Kugmallit Bay Area - Open water	17 Jun	25 Jul	24 Jun	24-26 Jun
Tuktoyaktuk Peninsula Area - Fracture	18 Jun	17 Jul	1 Jul	1-3 Jul
Mackenzie Bay to Cape Bathurst Route - Open water	18 Jun	27 Sep	26 Jul	18-20 Jul
Mackenzie Bay to Prudhoe Bay Route - Open drift or less	4 Jul	20 Sep	13 Aug	14-16 Jul
Prudhoe Bay to Point Barrow Route - Open drift or less - Close pack (refreeze)	11 Jul N/A	8 Sep N/A	13 Aug 8 Oct	24-26 Jul 8-10 Oct
Cape Lisburne to Point Barrow Route - Open drift or less - Open water	10 Jun 2 Jul	8 Sep 19 Sep	6 Aug 14 Aug	21-23 Jul 29-31 Jul
Cape Lisburne to Wainwright Route - Open drift or less	N/A	N/A	29 Jun	27-29 Jun
Barter Island to Prudhoe Bay Route - Open drift or less	N/A	N/A	13 Aug	14-16 Jul
Cape Parry to Taloyoak Route - Open water	1 Aug	20 Sep	12 Aug	7-9 Aug
Amundsen Gulf Area - Fracture - Open water	12 Jun 17 Jul	28 Jul 23 Sep	5 Jul 15 Aug	Already fractured 2-4 Aug
Coronation Gulf Area - Fracture - Open water	2 Jul 17 Jul	11 Aug 2 Sep	15 Jul 30 Jul	13-15 Jul 2-4 Aug
Queen Maud Gulf Area - Fracture	5 Jul	18 Aug	20 Jul	20-22 Jul
Larsen Sound Area - Fracture	16 Jul	7 Sep	28 Jul	23-25 Jul
Peel Sound Area - Fracture	11 Jul	2 Sep	29 Jul	22-24 Jul
Viscount Melville Sound Area - Fracture	10 Jul	26 Aug	3 Aug	31 Jul-2 Aug
M'Clure Strait Area - Fracture	28 Jun	26 Aug	2 Aug	27-29 Jul