

FECN14 CWIS 151800

THIRTY DAY ICE OUTLOOK FOR THE WESTERN AND CENTRAL ARCTIC FOR MID-JULY ISSUED BY ENVIRONMENT CANADA ON 15 JULY 2020.

THE NEXT 30 DAY OUTLOOK WILL BE ISSUED ON 31 JULY 2020.

### **Summary for July 1 to 28.**

Average air temperatures were well below normal from the Alaska coast into Coronation Gulf. Average air temperatures in the central arctic were near normal. Average air temperatures in the Arctic Archipelago were above normal. Ice melt is similar to climatology after being 1-2 weeks ahead of normal early in the season. The unusual cold weather has slowed ice deterioration in the southern Beaufort sea.

### **Weather forecast for July 15 to August 15.**

Air temperatures are forecast to be above normal for the period. Most temperatures are forecast to be 1-2 degrees Celsius above normal, except in the central portion of the arctic where temperatures are forecast to be 2-3 degrees above normal.

### **Southeastern Beaufort Sea.**

July 15-20

- 7-8 tenths first-year ice including up to 3 tenths of old ice with patches of 9-9+ tenths first-year ice in the extreme northwestern and extreme northeastern sections.
- Elsewhere, open water with patches of 4-6 tenths ice.

July 21-31

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

August 1-15:

- Open water except 1-3 tenths ice in the northeastern section.

### **Amundsen Gulf.**

July 15-20

- 4-6 tenths first-year ice with consolidated first-year ice fracturing in Dolphin and Union Strait, Prince Albert Sound, and Minto Inlet.

July 21-24

- Open water with patches of 4-6 tenths ice in Dolphin and Union Strait, Prince Albert Sound and Minto Inlet.
- Elsewhere, open water.

July 25-28

- Open water with patches of 1-3 tenths ice in Dolphin and Union Strait.
- Elsewhere, open water.

July 29-August 15

- Open water to ice free.

### **Prince of Wales Strait.**

July 15-18

- Consolidated first-year and old ice fracturing.

July 18-23

- 7-8 tenths ice with areas of 9-9+ tenths ice in the northern section.
- Elsewhere, 4-6 tenths ice with areas of 7-8 tenths ice.

July 24-31

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

August 1-15

- 1-3 tenths ice in the northern section. Occasional patches of 1-3 tenths ice drifting in the southern section.

### **Northern Alaskan Coast.**

July 15-20

- 9 tenths first-year ice with some old ice. 1-3 tenths of ice west of Point Barrow, in the extreme eastern section, and along parts of the coast.

July 21-28

- Open water with patches of 1-3 tenths ice along the coast.
- Elsewhere, 4-6 tenths ice with areas of 7-8 tenths ice mainly in the northern section.

July 28-August 5

- Open water with 4-6 tenths ice in the northern section.

August 6-15

- Open water with occasional patches of 1-3 tenths ice in the northeastern section.

### **Western Alaskan Coast.**

July 15-20

- Open water except 7-8 tenths first-year ice in the extreme northeastern section.

July 21-24

- Ice melting completely to open water.

### **Northern Beaufort Sea south of 75°N.**

July 15-27

- Open water with areas of 4-6 tenths first-year ice including up to 2 tenths old ice within 45-90 nautical miles of the west of Banks Island coast.
- Elsewhere, 9-9+ tenths ice.
- Consolidated first-year and old ice along Banks Island fracturing early in the period.

July 28-August 5

- 1-3 tenths old ice in the extreme southern section and near Banks Island.
- 9-9+ tenths first-year and old ice elsewhere.

August 6-15

- Open water with occasional patches of 1-3 tenths old ice in the extreme southern, extreme western, and extreme eastern sections.
- Elsewhere, 7-8 tenths old and first-year ice in the western section and 9-9+ tenths ice in the eastern section.

### **Arctic Ocean north of 75°N.**

July 15-August 10

- 9-9+ tenths first-year and old ice.

August 11-15

- 9-9+ tenths first-year and old ice except 4-6 tenths ice in the extreme southwestern section.

## **Coronation Gulf.**

July 15-18

- 1-3 tenths first-year ice in the extreme western section.
- Consolidated fast ice continuing to fracture to 9-9+ tenths first-year ice.

July 19-23

- 1-3 tenths ice in the western section.
- 4-6 tenths ice in the central section with patches of 9 tenths ice in the central section.
- 9-9+ tenths ice in the eastern section.

July 24-28

- Open water with areas of 1-3 tenths ice in the northwestern section.
- Elsewhere, 4-6 tenths ice with patches of 7-8 tenths ice.

July 29-August 15

- Ice melting completely to open water early in the period.

## **Queen Maud Gulf.**

July 15-20

- Consolidated first-year ice fracturing.

July 21-24

- 4-6 tenths ice except 9-9+ tenths ice in the eastern section.

July 25-30

- 1-3 tenths ice except 4-6 tenths ice including patches of 9 tenths in Victoria Strait.

July 31-August 6

- Open water except occasional patches of 1-3 tenths ice in Victoria Strait.

August 7-15

- Open water to ice free.

## **Victoria Strait – Larsen Sound.**

July 15-20

- Consolidated first-year ice fracturing in Victoria Strait.
- Elsewhere, consolidated ice.

July 21-25

- Consolidated fast ice fracturing to 9-9+ tenths.

July 26-August 10

- 4-6 tenths ice in southern Victoria strait, 9-9+ tenths ice elsewhere.

August 11-15

- Open water with occasional patches of 1-3 tenths ice in Victoria Strait.
- 7-9 tenths ice elsewhere.

## **Peel Sound.**

July 15-23

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

July 24-31

- Consolidated ice fracturing early in the period to 9-9+ tenths ice.

August 1-5

- 7-8 tenths ice with areas of 9-9+ tenths ice.

August 6-15

- 4-6 tenths ice with areas of 9 tenths ice.

### **M'Clintock Channel.**

July 15-23

- Consolidated first-year and old ice fracturing late in the period.

July 24-August 15

- 9-9+ tenths ice.

### **Viscount Melville Sound.**

July 15-22

- Consolidated first-year and old ice fracturing.

July 23-August 15

- 9-9+ tenths ice.

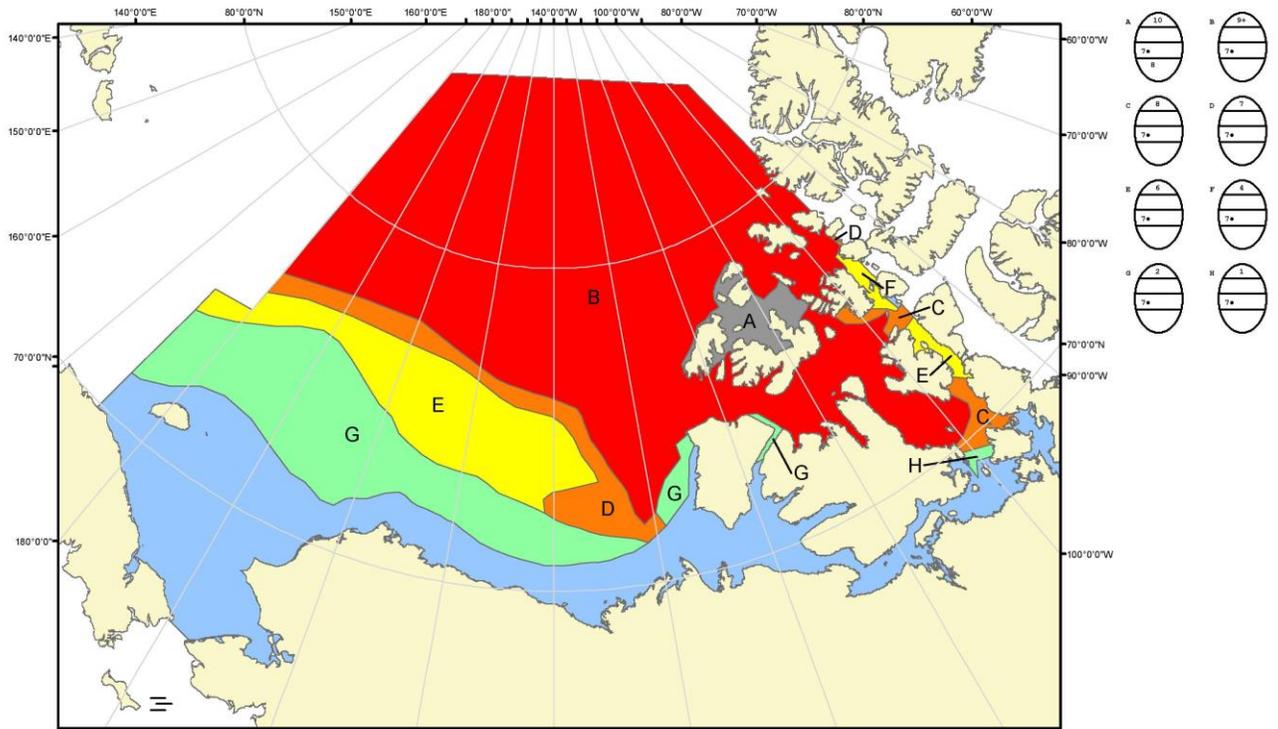
### **M'Clure Strait.**

July 15-18

- 7-8 tenths ice with areas of 9-9+ tenths ice in the extreme western section.
- Consolidated ice continuing to fracture to 9-9+ tenths ice.

July 19-August 15

- 9-9+ tenths ice.



**COLOR CODES BASED ON TOTAL CONCENTRATION**

	ICE FREE		4-6 TENTHS		FAST ICE (TEN TENTHS)
	LESS THEN 1 TENTH		7-8 TENTHS		ICE SHELF
	1-3 TENTHS		9-10 TENTHS		UNDEFINED ICE

North American Ice Service /  
 Service des glaces de l'Amérique du Nord  
 ICE FORECAST - 30 DAY  
 PRÉVISIONS DES GLACES - 30 JOURS  
 VALID/VALIDE: 15 AUG/AOÛT. 2020