



MARITIME CANADA CLIMATE SUMMARY

June 2022

June – Close to Normal Temperatures and Above Normal Precipitation

After the dry conditions experienced across most of the region in May, June rainfall returned to near normal with above normal amounts over eastern NS and eastern PEI. Sydney NS received 204.8 mm of rainfall which is more than twice the normal amount and the third wettest June since records began in 1870. Mean temperatures for the month were within 1 C on the positive side of normal for most locations continuing the long-running trend of above normal temperatures across the Maritimes. Coastal sea-surface temperatures for the last week of the month continued to be above normal – above 5 C in some locations. The “official” start of the Atlantic Hurricane season on June 1st saw only one named storm, Alex, during the month which remained well south of the region.

The Warmest (°C)

New Brunswick	
St. Stephen	31.6
Nova Scotia	
Kejimikujik	30.6
Prince Edward Island	
North Cape	27.9

The Coldest (°C)

New Brunswick	
Edmundston	-1.3
Nova Scotia	
Upper Stewiacke	-1.5
Prince Edward Island	
Maple Plains	-0.4

The Wettest (Total mm)

New Brunswick	
Aroostook	167.2
Nova Scotia	
Sydney	204.8
Prince Edward Island	
Charlottetown A.	131.6

The Capital Stats

	Mean Temperature (°C)			Extremes	
Station Name	Monthly Mean	Normal Mean	Diff from Normal	Max (Date)	Min (Date)
Charlottetown	15.2	14.5	0.7	26.2 (26)	3.2 (7)
Halifax	15.5	15.1	0.4	25.7 (30)	4.6 (1)
Fredericton	16.2	16.4	-0.2	30.2 (26)	3.8 (21)

	Total Precipitation			Snowfall	
Station Name	Monthly Total (mm)	Normal Total (mm)	Percent Normal	Total (cm)	SOG End of Month
Charlottetown	131.6	98.8	133	NA	NA
Halifax	147.4	96.2	153	NA	NA
Fredericton	107.2	86.3	124	NA	NA

Daily Temperature Records

Given that the overall mean temperatures for the month were only just above normal and the monthly provincial warmest temperatures were lower than in May, daily record highs were few - just 3 each in NS and NB and none above 30 C. For new daily record lows there were just 4 in NB (including -0.1 C in Edmundston on 21st) one in PEI and none in NS.

Significant Weather Events (information provided by Climate Services, ECCC)

June 9-10: A slow-moving system brought unseasonably steady rain to the Atlantic coast of western/central NS and Cape Breton. Most areas saw 50-70 mm of rain with embedded thunderstorms along with some daily precipitation records on the 9th. The rain was welcomed after the dry conditions experienced in May.

June 14-15: Another slow-moving system brought more rain to eastern NS and Cape Breton where 50- 80 mm of rain fell. The Sydney area reported up to 95 mm and broke their daily precipitation record for the 14th.

June 18: A cold front moved across the region igniting significant thunderstorms over eastern NB, PEI and northern NS late in the afternoon and evening producing pea-size hail and heavy downpours. Rain fell rapidly with a report of 23 mm in 30 minutes at a site in northern NS.

June 20-21: The first day of summer was accompanied by cool and clear conditions that were more like spring rather than summer. Minimum temperatures on the morning of the 21st brought some mild frost to mostly inland, western areas of NB. A record low of -0.1°C occurred in Edmundston making it the third latest below zero temperature on record. Average daily temperatures were up to 8 degrees colder than normal.

June 24-25 A nearly stationary trough affected eastern NS and Cape Breton providing consistent rain over the two days and setting a few daily precipitation records for June 24th. Rainfall amounts in the region totaled 30-50 mm. One volunteer observation near Baddeck reported 66 mm. Just adjacent to this area of precipitation, amounts in eastern PEI and central NS totaled 20-30mm.

June 25-26 A warm and humid air mass closed out the last weekend in June, especially in NB. Sunny skies and record setting daily maximum temperatures were observed across the area, with maximum temperatures in NB reaching 31.6°C, NS reaching 30.6°C, and reaching 27.9°C in PEI. Fredericton recorded its first heat event with two consecutive days of humidex values of 36 and several sites saw their only day this month to reach 30°C. The combination of recent rain and warm temperatures created blue-green algae growth in some lakes in NS.

Compiled by Peter J. Lewis with data and information provided by Client Service Operations Atlantic, Meteorological Service of Canada
Environment and Climate Change Canada / Government of Canada

Other CMOS News

Our Condolences: We are deeply saddened to be sharing the news of Keith Thompson's passing – one of The Greats in the oceanography community. His obituary can be found [here](#). A service/gathering will be held on August 20th from 11am to 1pm in the Steele Ocean Sciences Atrium. The Department of Oceanography is working to establish a graduate student scholarship in Keith's name. If you wish to contribute, [click here](#) to make a one-time gift to the Fund for Ocean Exploration, dedicated in memory of Keith Thompson. On behalf of CMOS-Halifax, our most sincere condolences to his family.

Breaking for Summer: CMOS-Halifax is taking its usual summer break. We will continue publishing these monthly climate reports throughout the summer. Stay tuned come September as we launch a fundraising campaign for the ILA-CMOS scholarship fund for 2023.

Canadian Meteorological and Oceanographic Society (CMOS) | Halifax Chapter

cmos@cmos.ca | www.cmos.ca | Follow us on [Facebook](#) and [Twitter](#)

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