



# MARITIME CANADA CLIMATE SUMMARY

## January 2022

### Variable Temperature and Precipitation Anomalies Across the Maritimes for January

The 6-month long trend of above normal temperatures came to an end for NB with mean temperatures 1-3 C below normal, however, the above normal trend continued for NS and PEI with a range of +1-2 C. Precipitation amounts followed a similar variation with below normal amounts in NW NB to above normal over eastern NS and eastern PEI. Sydney reported 360 mm, nearly 250% above normal. A succession of storms tracking along the Atlantic Coast resulted in the highest snowfall amounts in northern NS and southeast NB, while close to the coast the storms generally brought snow followed by rain. After a slow start, ice coverage in the Gulf of St. Lawrence ended the month with close to normal coverage. However, open water coastal temperatures remained above normal with a positive anomaly of 3-5 C in the Bay of Fundy.

#### The Warmest (°C)

<b>New Brunswick</b>	
Sussex	10.1
<b>Nova Scotia</b>	
Tracadie	12.6
<b>Prince Edward Island</b>	
Stanhope	9.1

#### The Coldest (°C)

<b>New Brunswick</b>	
Edmundston	-39.7
<b>Nova Scotia</b>	
Nappan	-29.7
<b>Prince Edward Island</b>	
Maple Plains	-27.2

#### The Wettest (Total mm)

<b>New Brunswick</b>	
Mechanic Settlement	259.3
<b>Nova Scotia</b>	
Sydney A	359.8
<b>Prince Edward Island</b>	
Stanhope	209.5

### The Capital Stats

Station Name	Mean Temperature (°C)			Extremes	
	Monthly Mean	Normal Mean	Diff from Normal	Max (Date)	Min (Date)
Charlottetown	-7.1	-7.7	0.6	8.1 (6)	-23.6 (22)
Halifax	-3.2	-4.6	1.4	10.5 (6)	-19.9 (12)
Fredericton	-11.3	-9.4	-1.9	8.7 (5)	-32.0 (27)

Station Name	Total Precipitation			Snowfall	
	Monthly Total (mm)	Normal Total (mm)	Percent Normal	Total (cm)	SOG End of Month
Charlottetown	170.0	101.0	168	150.9	51
Halifax	163.0	127.1	128	35	12
Fredericton	67.2	101.9	66	67.1	36.1

### Daily Temperature Records

Compared to recent months, daily records were relatively sparse. NS had 13 new record highs with 7 of them above 10C - most set on 5/6<sup>th</sup>. NB and PEI each set just one new high. The distribution was reversed for record lows with just one each in NS and PEI and 8 in NB. The night of the 27<sup>th</sup> was particularly cold in NB with 7 of the 8 new records including a bone-chilling -39.9 C recorded in Edmundston. St. Stephen also dipped below -30 C recording -31.1.

## Other Significant Events (information provided by Climate Services, ECCC)

**January 7:** A deepening nor'easter tracked along the Nova Scotia coast through the day. The low brought snow, rain, and strong winds to the region. Significant power outages were reported across the region due to the wet and heavy snow. Slippery conditions caused numerous accidents on roadways. Snowfall amounts were greatest in northern NS, southern NB, and PEI, while snow mixed with rain for many areas of NS, especially along the coast. Maximum precipitation amounts were measured near 40 mm from the storm while snowfall amounts varied, with the highest amounts of 36 cm in NS and NB and 45 in PEI. Strong winds gusted up to 110 km/h in NS and 104 km/h in PEI.

[Power restored to most Nova Scotians after windy winter storm | 101.5 The Hawk \(1015thehawk.com\)](#)

[Major snow and wind storm hits Atlantic Canada | CTV News](#)

[Thousands without power, road conditions worsen as storm pummels New Brunswick | CBC News](#)

[RCMP say icy road conditions resulted in transport truck losing control in Cape Breton Sunday evening | SaltWire](#)

[Major snow and wind storm hits Atlantic Canada | CTV News](#)

[Power outages reported, N.B. residents urged to stay off roads as winds intensify | CBC News](#)

**January 14-15:** A significant storm tracked south of Nova Scotia bringing a mixed bag of precipitation to NS and snow and blowing snow to southeastern NB and PEI. Power outages were reported in PEI and NS while flights were cancelled across the area. Unsafe driving conditions were reported across all 3 provinces. Flooding caused road closures on the Cabot trail in Cape Breton. Snowfall amounts were highest in southeast NB, PEI, and northern and western NS where snow fell in amounts of 30-45 cm.

Wind gusts of 90-105 km/h were reported across much of the region, with a few coastal stations reporting gusts of 110-121 km/h. Precipitation amounts of 20-40 mm were widespread except for Cape Breton where 70-95 mm of precipitation fell, mainly as rain.

[Winter storm leaves more than 25,000 Nova Scotia Power customers without electricity | CBC News](#)

[Second major winter storm in a week leaves thousands of P.E.I. homes without power Saturday | CBC News](#)

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

**CMOS Virtual Seminar:** The Ottawa Centre February lunch meeting will happen **at noon hour (EST) on Thursday, February 17<sup>th</sup>**. Elyn Humphreys, Professor in the Department of Geography & Environmental Studies at Carleton University, will discuss methane emissions from the Hudson Bay Lowlands. All details, including [the link to register](#), are posted on our web site at: <https://cmos.ca/site/ottawa>. This is open to all but you must register to get the link.

**2022 National Tour Speaker:** Please join us for this year's CMOS and CNC-SCOR tour speaker, **Eric Oliver**. He will be presenting virtually on **March 17<sup>th</sup> at 12 noon (EST)**. The Abstract, Bio, and Zoom registration link can be found on the [CMOS website](#).

**Canadian Meteorological and Oceanographic Society (CMOS) | Halifax Chapter**

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