



MARITIME CANADA CLIMATE SUMMARY

November 2021

All Time Daily Rainfall Records Tumble Across Eastern Nova Scotia and PEI

Temperatures across the Maritimes were near to slightly above normal – most stations in the 0 to +2C range continuing the positive anomaly for 2021. However, November 2021 will be remembered for the damaging torrential rainfall event which affected eastern Cape Breton on the 22nd. Storm rainfall totals of 292.4 and 276.5 mm were recorded at two stations near Ingonish causing numerous road and bridge washouts on the Cabot Trail. Winds with gusts in excess of 100 km/h accompanied this rainfall event resulting in numerous power outages. Overall, for the month, precipitation amounts were variable ranging below average for western NB and NS to significantly above for eastern NS and eastern PEI. Ingonish Beach recorded an astounding 454.9 mm for the month - 240% of normal! Parts of NB saw the first significant snowfall of the season with falls in the 15 cm range recorded in the north. Sea surface temperatures continued above normal with coastal positive anomalies of close to 5C.

The Warmest (°C)

New Brunswick
St. Stephen 18.0

Nova Scotia
Ingonish Beach 18.2

Prince Edward Island
Stanhope 17.2

The Coldest (°C)

New Brunswick
Edmundston -15.3

Nova Scotia
Pockwock Lake -9.5

Prince Edward Island
Charlottetown A - 6.7

The Wettest (Total mm)

New Brunswick
Mechanic Settlement 202.7

Nova Scotia
Ingonish Beach 454.9

Prince Edward Island
Stanhope 189.4

The Capital Stats

	Mean Temperature (°C)			Extremes	
Station Name	Monthly Mean	Normal Mean	Diff from Normal	Max (Date)	Min (Date)
Charlottetown Airport	4.5	2.9	1.6	16.2 (1)	-6.7 (29)
Halifax Stanfield Airport.	4.6	3.5	1.1	16.5 (1)	-3.8 (30)
Fredericton Airport	2.6	1.8	0.8	17.0 (1)	-9.5 (30)

	Total Precipitation			Snowfall	
Station Name	Monthly Total (mm)	Normal Total (mm)	Percent Normal	Total (cm)	Max SOG (Date)
Charlottetown Airport	158.1	112.5	141	4	NA
Halifax Stanfield Airport	185.9	154.2	121	Trace	Trace
Fredericton	99.9	109.9	91	NA	NA

Daily Temperature Records

Compared to some other months this year “only” 10 daily maximums were set – 9 in NS, 1 in PEI and none in NB. In NS records were set on the 13th in Shelburne and Liverpool with 17.2 C. On the 19th, 16.2 C was recorded at Ingonish Beach. No new record lows were set across the Maritimes during the month. Mention should be made of the 19 new daily precipitation records set in NS for the month. Three stations in Cape Breton received over 100 mm on 22/23rd with Ingonish Beach recording an astounding 232.8 mm on the 23rd.

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

November 12-14: A frontal system crossed the region and brought rain and strong winds to the Maritimes, along with very mild temperatures to parts of NS where record temperatures (17-19 C) were set at multiple stations. Winds gusted to 110 km/h at Brier Island 98 km/h at Greenwood, and 94 km/h at Baccaro Pt, with others above 90 km/h.

High winds lead to scattered power outages, ferry service disruptions | CBC News

November 15-16: A developing low-pressure system crossed the Maritimes into the Gulf of St Lawrence providing the first snow of the season for northern areas of NB (5 to 17 cm) and NS (a few cm). Winds gusted to over 90 km/h along the coast of NS..

November 21-24: A significant low pressure system brought torrential rain and strong winds to the region with some coastal flooding. Impacts included power outages, widespread flooding, and washouts. Record daily rainfall amounts were set on November 22 across eastern Nova Scotia. Storm totals over southeast NB, PEI and mainland NS reached 50 to 125 mm. Rainfall totals across parts of Cape Breton were extreme with reported amounts reaching 150 to 290 mm. Two stations near Ingonish reported 276.5 mm and 292.4 mm, the greatest amounts for this event. Winds gusted above 100km/h in eastern Nova Scotia with max gusts of 140 km/h in parts of Cape Breton.

Transit buses rerouted as rain floods roads in Saint John | CBC News

N.S. emergency officials warn against road travel in Victoria, Inverness counties | CBC News

'It's pretty shocking,' resident says of return to Antigonish trailer park hit by flooding | CBC News

'Like I hit a brick wall': Part of Cabot Trail washed out on man as he drove over it | CBC News

Health authority working around flooded roads to keep Neils Harbour hospital running | 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

Congress 2022 Announcement: CMOS's 56th Congress, the Canadian Geophysical Union (CGU) Annual Meeting, and the 78th Eastern Snow Conference (ESC) will be held jointly over a 6-day period, 1-3 June 2022 and continuing 6-8 June 2022. The joint meetings will be held using a virtual format. More detailed information will be posted as it becomes available on the [Congress website](#). The theme of the meeting is "**Science Serving Society**". The call for proposals for scientific sessions is now open. Follow [this link](#) for more information.

Wishing everyone a safe and happy holiday season from the CMOS-Halifax Executive.

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