



MARITIME CANADA CLIMATE SUMMARY

April 2022

April Continues Above Normal Temperature Trend But Only Just...

Despite the perception that April was a cooler month, once again temperatures continued the above normal temperature trend for 2022, however, positive anomalies were mostly only in the 0 to 1 C range. Precipitation amounts were near normal across the region apart from an above normal band stretching from SW to NE NB. Snowfall amounts for April were generally 10-50 cm below normal across all three provinces. Exceptions to this were northern NB, areas of PEI, and NS, which saw onshore flow from the Gulf of St. Lawrence and Sydney – where twice the normal April snowfall was recorded. By the end of the month, apart from northern NB which still had around 20 cm and higher elevations of the Cape Breton Highlands - up to 80 cm, little snow remained on the ground. April continued the trend of below normal ice conditions in the Gulf of St. Lawrence with only 1.1% coverage at the end of the month. Sea surface temperatures continued to be 3-5 C above normal across most coastal areas of the region.

The Warmest (°C)

New Brunswick	
Sussex Four Corners	16.8
Nova Scotia	
NE Margaree	18.9
Prince Edward Island	
Maple Plains	16.9

The Coldest (°C)

New Brunswick	
Edmundston	-12.2
Nova Scotia	
Louisburg	-9.2
Prince Edward Island	
Stanhope	-6.7

The Wettest (Total mm)

New Brunswick	
Mechanic Settlement	171.4
Nova Scotia	
Yarmouth	121.2
Prince Edward Island	
St Peters	107.1

The Capital Stats

Station Name	Mean Temperature (°C)			Extremes	
	Monthly Mean	Normal Mean	Diff from Normal	Max (Date)	Min (Date)
Charlottetown	4.1	3.1	1.0	16.0 (16)	-7.0 (5)
Halifax	6.0	4.3	1.7	16.1 (25)	-1.5 (6)
Fredericton	5.3	4.8	0.5	15.3 (9)	-7.4 (6)

Station Name	Total Precipitation			Snowfall	
	Monthly Total (mm)	Normal Total (mm)	Percent Normal	Total (cm)	SOG End of Month
Charlottetown	91.3	83.7	109	14.9	1.0
Halifax Shearwater	116.7	117.7	99	11 (YHZ)	0
Fredericton	135.4	81.6	166	Trace	0

Daily Temperature Records

Given that the April warmest temperatures for all three Provinces were lower than their March equivalents, not surprisingly, there were very few daily highs set this month. Only 4 new daily maximums were set, 2 in NS and 1 each in NB and PEI. The warmest of these was only 15 C at Maple Plains PEI on 14th. Continuing the trend for 2022, record low minimums were also sparse with just one new record low established, -1.3 C at Baccaro Point, NS on the 24th.

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

April 3-4: A low pressure system moved just south of the Nova Scotia coastline. Rain initially along the NS coast changed quickly to snowfall in NS and remained all snow in Prince Edward Island. School openings were delayed in Cape Breton. Total snowfall ranged from 20-30 cm while total precipitation was 20-30mm. Winds in Sydney gusted up to 92 km/h.

[Some classes delayed or cancelled in Cape Breton due to storm cleanup | CBC News](#)

[Maritime weather: Snowfall warnings in N.S. and P.E.I. | CTV News](#)

April 19: A strong storm crossed northern New Brunswick spreading rain and wind across the Maritimes. Rainfall amounts of 40-52 mm (unofficial observations up to 66 mm) in NS and 30-77 mm in NB. Precipitation amounts pushed some areas of the Saint John River over the flood stage when combined with snow melt and already high water levels. Some light snow and ice pellets fell in northern NB. Strong winds gusted into the low 80 km/h range in southern NB and PEI and over 100 km/h in many coastal locations in NS. Les Suetes winds gusted from 130-142 km/h. Many April 19 daily precipitation records were broken across NS and NB.

[160 km/h winds could cause damage, send shingles flying in parts of Cape Breton | CBC News](#)

[Thousands lose power as howling winds sweep eastern N.B. | CBC News](#)

[Heavy rain wreaks havoc, 2 N.B. communities expected to reach flood stage | CBC News](#)

April 27-30: A slow moving low crossed northern Nova Scotia before stalling just south of the province. Some late season snow fell in northern New Brunswick while the rest of the Maritimes saw mainly a rain event, with the highest rainfall amounts in NB. Off and on precipitation continued through the end of the month during this long lasting 4 day event. Rainfall of 30-55 mm reported in NB, 30-40 mm NS and PEI, with one private station reporting 15cm of wet snow in northern NB and up to 30 cm in the St-Arthur region.

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 Halifax Webinar: CMOS-Halifax hosted 'Not Just a Webinar' on May 25th. If you missed it, you can view it on the CMOS YouTube Channel @ [CMOS Halifax - Citizen Science and the Cape Breton Weather Mesonet - YouTube](#).

New ILA-CMOS Scholarship: CMOS-Halifax teamed up with the Imhotep Legacy Academy at Dalhousie University to create, promote and award the first ILA-CMOS Scholarship. This is a \$5000 scholarship for a grade-12 student of African or Indigenous heritage who is going on to study meteorology, oceanography, or a related science, at a post-secondary institution. The scholarship was awarded to Mia Curry of Bear River, NS. Congrats Mia and good luck with your future endeavours! This scholarship will be awarded on an "as available" basis so please stay tuned for ways you can directly contribute to this fund and ensure we are able to award this scholarship again next year.

CMOS Congress 2022: The CMOS Congress is taking place starting next week. This is a virtual congress hosted by the Saskatoon Centre, **June 1-3 and June 6-8**. Click [here](#) for more info and to register. It's not too late!

Canadian Meteorological and Oceanographic Society (CMOS) | Halifax Chapter

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

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