

## RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting -1/13/2021

National Weather Service Forecast Office, Pittsburgh PA

For the latest river and weather forecasts--<http://www.weather.gov/pittsburgh>

### WEATHER RECAP

December was an active month for snow storms. The 27.5 inches of snow put Pittsburgh as the second snowiest December on record behind December of 1890, and also the 7<sup>th</sup> snowiest month on record. The snowfall recorded for the month was also higher than the total snowfall we saw all last winter.

Location	Dec 2020 Precipitation	Departure (Inches)	Dec Snowfall	Seasonal Snowfall
Pittsburgh	3.53	+0.68	27.5 (+19.2)	28.3(+17.6)

Location	Dec Average Temperature	Departure Degrees	Extreme High	Extreme Low
Pittsburgh	33.5	+1.1	61 on Dec 11	12 on Dec 26

### Pittsburgh Forecast:

Thursday	Thursday Night	Friday	Friday Night	Saturday	Saturday Night	Sunday
						
Partly Sunny	Mostly Cloudy	Slight Chance Rain/Snow then Chance Showers	Chance Snow Showers	Chance Snow Showers then Chance Rain/Snow	Mostly Cloudy	Cloudy
High: 44 °F	Low: 34 °F	High: 45 °F	Low: 30 °F	High: 38 °F	Low: 29 °F	High: 35 °F

### OUTLOOK

**This week:** Dry conditions under high pressure until a cold front passage Friday – bringing rain changing to snow. Snow showers then expected behind the system. Precipitation <0.50 inches.

**Week of Jan 18<sup>th</sup>:** A series of quick-moving systems will bring the chance for snow showers to the region Monday and midweek. High pressure then builds until the approach of low pressure toward the weekend. Precipitation < 1.00 inch.

**Week of Jan 25<sup>th</sup>:** Temperatures are projected to be slightly below normal with near normal precipitation.

**Outlook for February:** Temperatures near normal – but a wetter weather pattern projected for the upper Ohio River Valley for the month.

**Outlook for March:** Temperatures near to slightly above normal with near normal precipitation.

**Spring Outlook:** La Nina projected to remain in place through winter with the potential for it to weaken as we get into the spring. At this time, above average precipitation and temperatures are forecast.

### HIGH WATER POTENTIAL

Streamflows are running near normal across the region with the precipitation observed over the last month. While no major storms are projected over the next 10 days, the pattern does appear to shift as we head into the end of January/beginning of February. With the soil moisture levels near or slightly below normal, we will need 2.00-2.50 inches in 12 hours to get streams near bank full.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average monthly precipitation	2.7	2.39	2.95	3.11	3.95	4.3	3.83	3.48	3.11	2.29	3.23	2.85	38.19
Average High Temperature	35.7	39.3	49.2	61.7	70.8	79.1	82.5	81.4	74.3	62.6	51.2	39.4	60.7
Average Low Temperature	21.1	23	30	40.2	49.3	58.4	62.8	61.5	54	42.9	34.7	25.3	42
Average monthly snowfall	11.8	10.3	7.6	1.5	0	0	0	0	0	0.4	2	8.3	41.9

**Average Yearly precipitation Pittsburgh: 38.19 inches. In 2021: 1.21 (+0.15)**

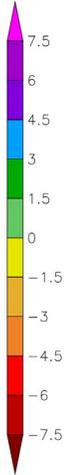
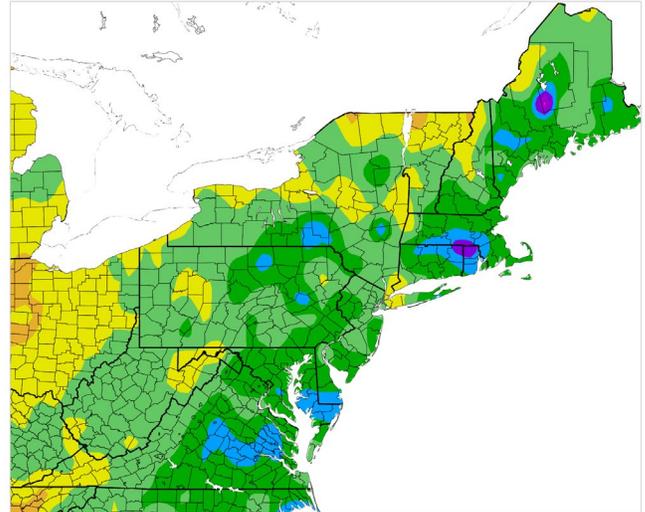
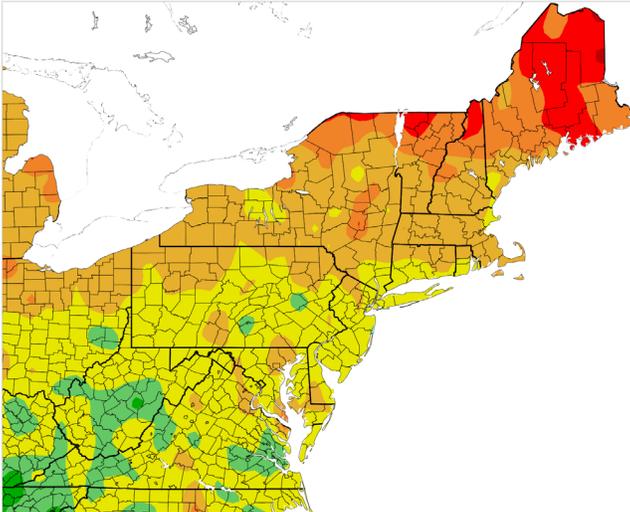
Totals for: **2020: 39.33" (+1.14)**; 2019: 52.46" (+14.27); 2018: 57.83" (+19.64); 2017: 42.15"; 2016: 35.01"; 2015: 40.56"; 2014: 36.84"; 2013: 36.65"; 2012: 41.74"

**Average Yearly snowfall Pittsburgh: 41.9 inches. 2020-21: 28.5" (+13.6)**

; 2019-20: 21.7" (-19.6); 2018-19: 36.6" (-5.3); 2017-18: 59.8" (+17.9); 2016-17: 32.0" (-9.2), 2015-16: 29.6" (-12.3) 2014-15: 47.2"; 2013-14: 63.4"; 2012-13: 57"; 2011-12: 37"; 2010-11: 57"; 2009-10: 77"

Departure from Normal Temperature (F)  
12/1/2020 - 12/31/2020

Departure from Normal Precipitation (in)  
12/1/2020 - 12/31/2020



Generated 1/10/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers 1/10/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

