

RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting -3/10/2021

National Weather Service Forecast Office, Pittsburgh PA

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

WEATHER RECAP

February was a cold month, with temperatures averaging below normal for much of the month. As a result, we had above average snowfall and also the most snowpack on the ground consecutively since 2010. Precipitation and a warm up and the end of the month then melted much of the snowpack. The rainfall and snowmelt resulted in rises on area rivers to near or above flood stage – especially on the Monongahela.

<i>Location</i>	<i>Feb 2020 Precipitation</i>	<i>Departure (Inches)</i>	<i>Feb Snowfall</i>	<i>Seasonal Snowfall</i>
Pittsburgh	2.82	+0.43	16.1 (+5.9)	55.2(+22.8)

<i>Location</i>	<i>Feb Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
Pittsburgh	27.6	-3.5	63 on Feb 24	2 on Feb 21

Pittsburgh Forecast:

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
Increasing Clouds	Mostly Cloudy	Chance Showers	Rain Likely	Chance Rain	Mostly Cloudy	Mostly Sunny
High: 66 °F	Low: 53 °F	High: 66 °F	Low: 50 °F	High: 59 °F	Low: 34 °F	High: 46 °F

OUTLOOK

This week: Warm temperatures Wednesday and Thursday before a cold front passage brings rain and the return of near normal temperatures through the weekend. Precipitation is expected to be less than 0.50 inch.

Week of March 15th: A series of fast-moving low pressure systems will bring chances for precipitation, the bulk of which will be rain, next week. Temperatures will average slightly below normal. Precipitation ~1.00 inch.

Week of March 22nd: Temperatures will moderate closer to normal with near normal precipitation.

Week of March 29th: Temperatures look to trend above normal with near or slightly below average precipitation.

Outlook for April: Near or slightly above average temperature and precipitation.

Outlook for May: Near or slightly above average temperature and precipitation.

HIGH WATER POTENTIAL

Streamflows are running near normal across the region with the precipitation observed at the end of February/beginning of March. With the soil moisture levels near normal, we will need 1.50-2.50 inches in 12 hours to get streams near bank full.

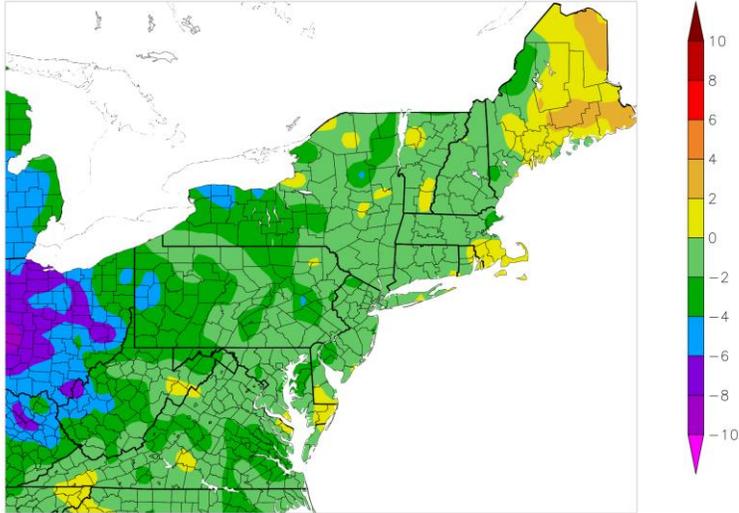
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average monthly precipitation	2.7	2.39	2.95	3.11	3.95	4.3	3.83	3.48	3.11	2.29	3.23	2.85	38.19
Average High Temperature	35.7	39.3	49.2	61.7	70.8	79.1	82.5	81.4	74.3	62.6	51.2	39.4	60.7
Average Low Temperature	21.1	23	30	40.2	49.3	58.4	62.8	61.5	54	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: 5.30 (-0.49)

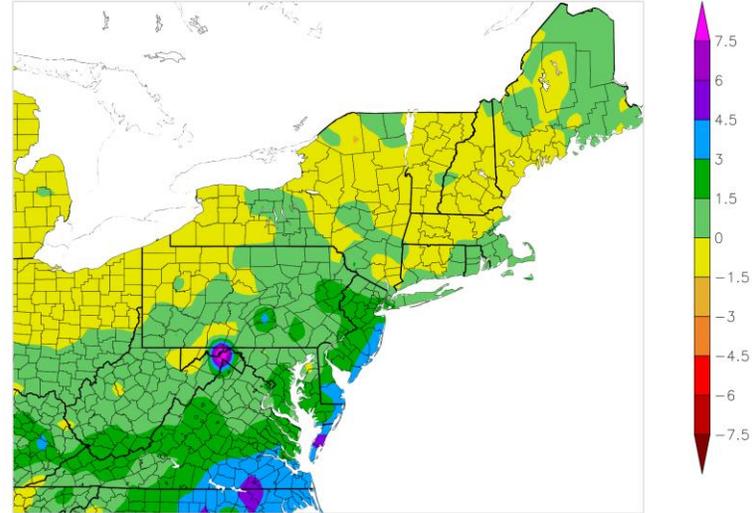
Totals for: **2020: 39.33" (+1.14)**; 2019: 52.46" (+14.27); 2018: 57.83" (+19.64); 2017: 42.15"; 2016: 35.01"; 2015: 40.56"; 2014: 36.84"; 2013: 36.65"; 2012: 41.74"

Average Yearly snowfall Pittsburgh: 41.9 inches. 2020-21: 55.3" (+20.3); 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)
2/1/2021 - 2/28/2021



Departure from Normal Precipitation (in)
2/1/2021 - 2/28/2021



Generated 3/6/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers 3/6/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

