

RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting 05/13/2020

National Weather Service Forecast Office, Pittsburgh PA

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

WEATHER RECAP

April was wet and cold, with the average temperature 3 degrees below normal for the month. Much of Southwest Pennsylvania and northern West Virginia saw above average precipitation, with 6-8 inches of rainfall recorded in these areas for the month. This resulted in high flows on several rivers across the region including the Monongahela, Cheat, and Youghiogheny.

<i>Location</i>	<i>April 2020 Precipitation</i>	<i>Departure (Inches)</i>
<i>Pittsburgh</i>	4.59	+1.48

<i>Location</i>	<i>Apr Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<i>Pittsburgh</i>	47.6	-3.3	75 on Apr 29	28 on Apr 15

Pittsburgh Forecast:

[Click here for hazard details and duration](#)



OUTLOOK

This week: After a very chilly start to the week, temperatures will rebound to near normal, though rain chances will increase with the approach of an upper level disturbance. Rain chances look to linger into the weekend. Rainfall ~ 1.00-2.00 inches.
Week of May 18th: Stark contrast to this week; we will be warm, with above average temps expected. We could reach 80! Precipitation will be near or slightly above normal...~1-1.50 inches.

Week of May 25th: Temperatures will remain near normal for the final week of the month, with close to average precipitation.

Outlook for June: No strong signals...Temperatures will remain near normal with near normal precipitation.

Jun-July-Aug Outlook: ENSO Neutral conditions still look to continue. At this time, temperatures still look like they will be above normal for the season, though June looks fairly normal. Precipitation will trend above normal, given some of the years that from the past that look similar to this year, but at this time, don't look as wet as some of the most recent years.

HIGH WATER POTENTIAL

Streamflows are 200-250% of normal on the Monongahela, Cheat, and Youghiogheny rivers as a result of recent rainfall. While we are forecasting additional precipitation at the end of the week, it does look like the focus will be north over the Allegheny and Beaver River basins, giving our southern areas a break. That being said, precipitation for the month could keep streamflows high, with only 1.50-2.50 inches of precipitation needed in a 24 hr. period to reach 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

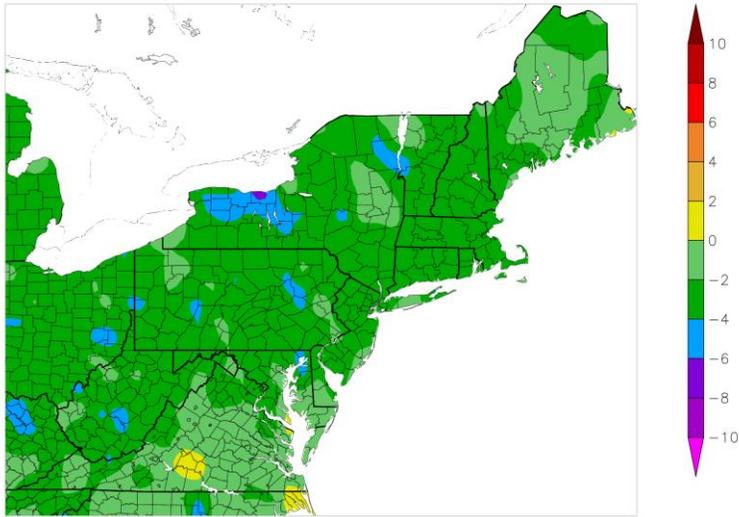
Average Yearly precipitation Pittsburgh: 38.19 inches. In 2020: 16.98 (+4.71)

Totals for: **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. 2019-20: 21.7" (-19.6); 2018-19: 36.6" (-5.3); 2017-18: 59.8"

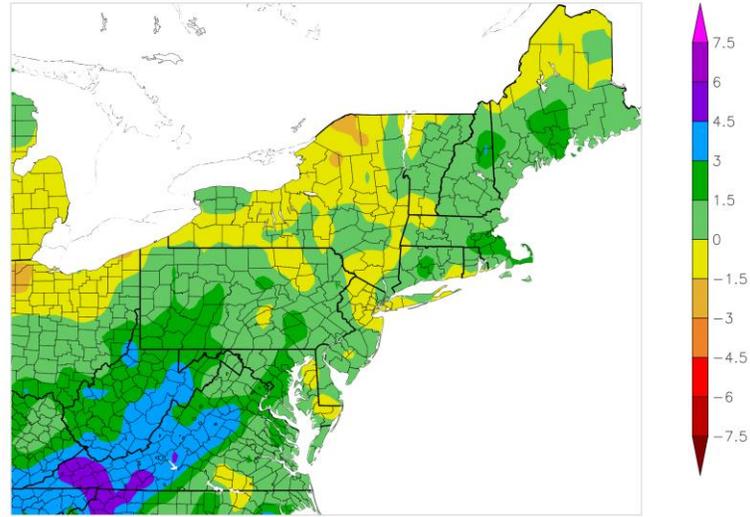
(+17.9); 2016-17: 32.0" (-9.2), 2015-16: 29.6" (-12.3) 2014-15: 47.2"; 2013-14: 63.4"; 2012-13: 57"; 2011-12: 37"; 2010-11: 57"; 2009-10: 77"

Departure from Normal Temperature (F)
4/1/2020 - 4/30/2020



Generated 5/10/2020 at HPRCC using provisional data.

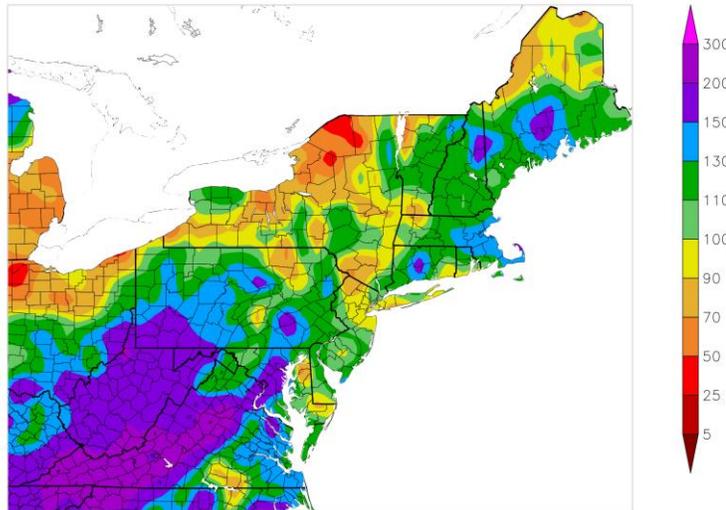
Departure from Normal Precipitation (in)
4/1/2020 - 4/30/2020



NOAA Regional Climate Centers 5/10/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

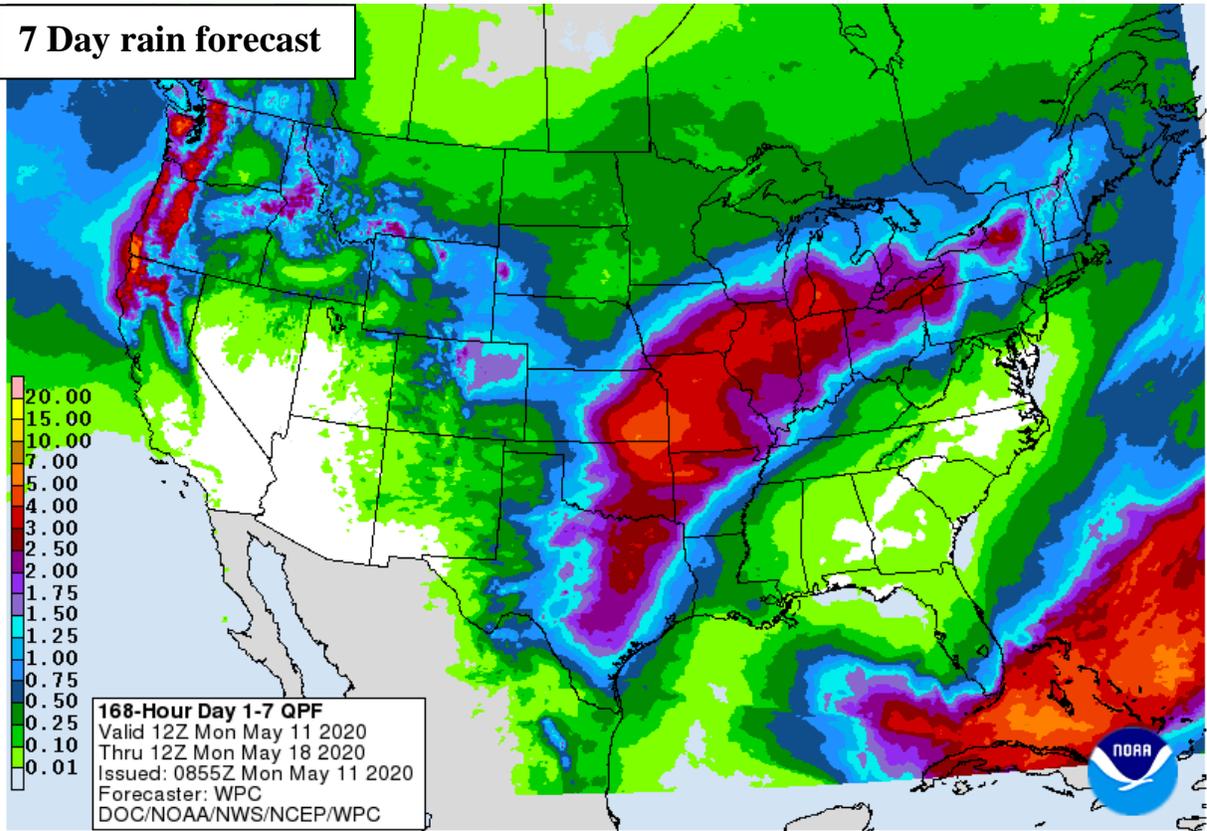
Percent of Normal Precipitation (%)
4/1/2020 - 4/30/2020



Generated 5/10/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

7 Day rain forecast



Preliminary Summer Forecast (Temperature on left, Precipitation on Right):

