

RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting 08/12/2020

National Weather Service Forecast Office, Pittsburgh PA

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

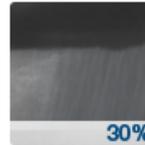
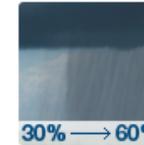
WEATHER RECAP

July was a very warm month, with the average temperature between 4 and 6 degrees above normal across southwest PA, eastern OH, and northern WV. In addition, the high temperature in Pittsburgh exceeded 80 every day. This has only happened two other times in July – 1955 and 1878. Precipitation was also below normal, with values ranging from 0.50-3.00” below average. Wheeling reported only 0.57 inches of rain for the month, its driest July on record, and second driest month on record. With much of the region being dry save for some hit-or-miss thunderstorms, much of our region is highlighted in Abnormally Dry or Moderate Drought conditions. However, given the time that we were wet before this, this is considered short-term drought versus long-term drought.

<i>Location</i>	<i>July 2020 Precipitation</i>	<i>Departure (Inches)</i>
Pittsburgh	3.10	-0.73

<i>Location</i>	<i>July Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
Pittsburgh	77.3	+4.7	94 on July 6	56 on July 14

Pittsburgh Forecast:

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
Chance Showers	Chance Showers	Partly Sunny then Chance Showers	Chance Showers	Partly Sunny then Chance T-storms	Chance T-storms	Chance Showers then Showers Likely
High: 89 °F	Low: 68 °F	High: 87 °F	Low: 69 °F	High: 87 °F	Low: 70 °F	High: 85 °F

OUTLOOK

This week: Warm temperatures will persist with humidity increasing through the week. A stationary front will help to generate showers and thunderstorms each day through the end of the week. Rainfall less than 0.50 inch except in thunderstorms.

Week of August 17th: A cold front will cross near the beginning of the week bringing relief in the way of temperatures for next week – closer to normal or cooler. Precipitation will be around an inch or less except in thunderstorms.

Week of August 24th: Upper trough looks to linger across the region. Temperatures will remain near normal with precipitation also near normal.

First week of September: Rather persistent pattern with no strong signals for heat or cold. Precipitation less than an inch.

Outlook for September: Near or slightly above average temperature and near normal precipitation. Could be modified by tropical remnants – if active period persists.

Outlook for October: Near normal temperature and precipitation.

Hurricane Outlook Update Below

HIGH WATER POTENTIAL

Streamflows are running near to below normal across the region. Expect this trend to continue through the month.

	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

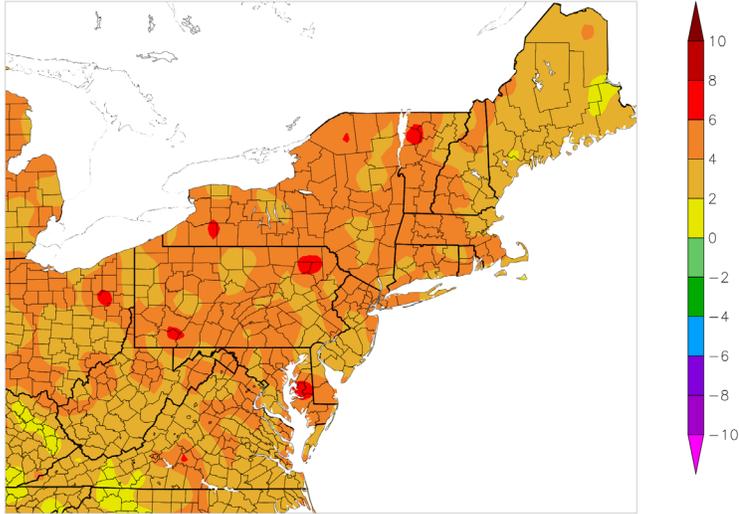
Average Yearly precipitation Pittsburgh: 38.19 inches. In 2020: 25.70 (+1.39)

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"

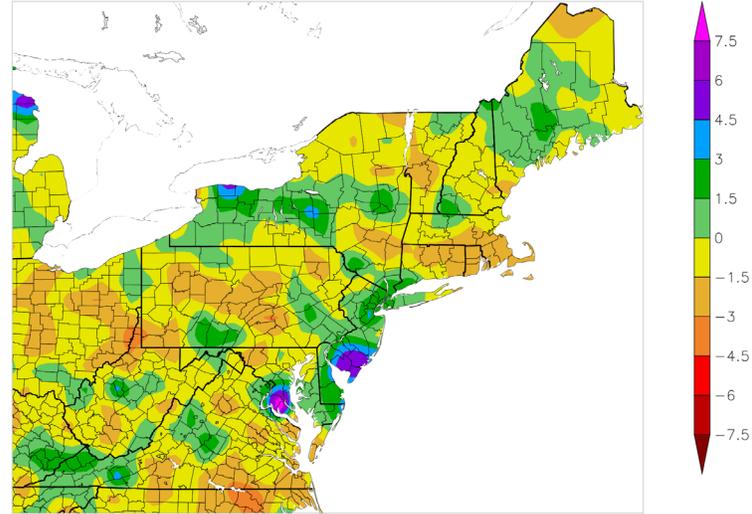
Average Yearly snowfall Pittsburgh: 41.9 inches. 2019-20: 21.7" (-19.6); 2018-19: 36.6" (-5.3); 2017-18: 59.8"

(+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)
7/1/2020 - 7/31/2020



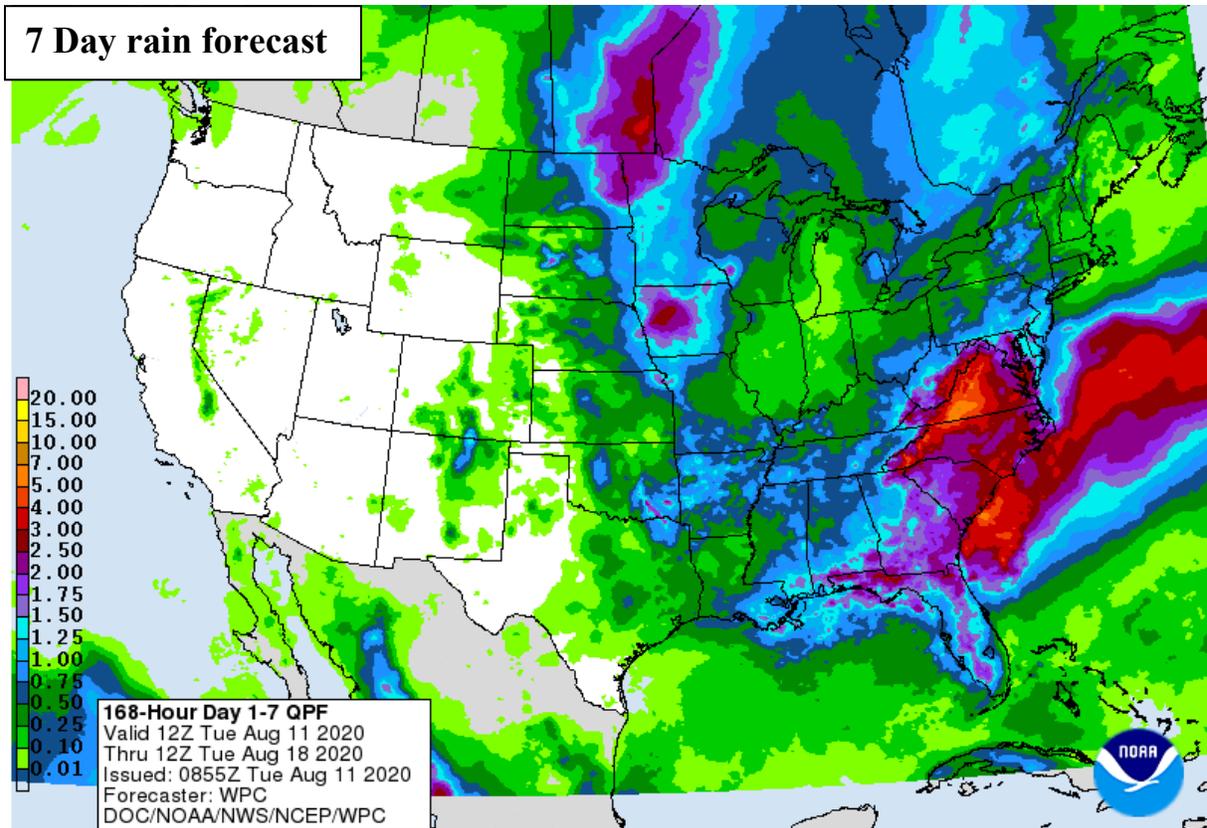
Departure from Normal Precipitation (in)
7/1/2020 - 7/31/2020

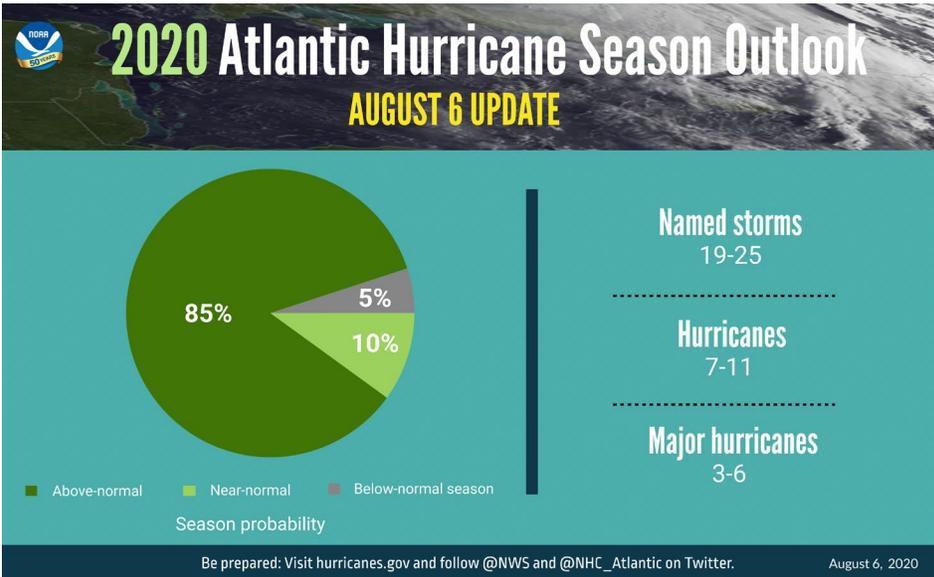


Generated 8/10/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers 3/10/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers





With nine named storms as of the first week of August, which is the most ever recorded since the satellite era began, the Hurricane Outlook has been updated to increase the amount of named storms and hurricanes. We generally average 12 named storms, 6 of which become hurricanes and 3 that become major hurricanes.

This continues to be as a result of warmer than average water temperature and weak trade winds and wind shear in the Atlantic basin.