

## RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting 06/10/2020

**National Weather Service Forecast Office, Pittsburgh PA**

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








### WEATHER RECAP

May was a relatively cool and dry month, as a result of a string of below average temperatures through the first two weeks of the month. However, a prolonged period of rain, from the interaction of an upper low and the remnants of Tropical Storm Arthur did result in high flows on streams and tributaries along the middle Ohio River.

<i>Location</i>	<i>May 2020 Precipitation</i>	<i>Departure (Inches)</i>
<b><i>Pittsburgh</i></b>	2.19	-1.76

<i>Location</i>	<i>May Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<b><i>Pittsburgh</i></b>	58.2	-1.9	88 on May 26	28 on May 9

### Pittsburgh Forecast:

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
Mostly Sunny then Showers Likely	Showers Likely	Chance Showers then Mostly Sunny	Mostly Clear	Mostly Sunny	Partly Cloudy	Partly Sunny
<b>High: 93 °F</b>	<b>Low: 66 °F</b>	<b>High: 81 °F</b>	<b>Low: 59 °F</b>	<b>High: 81 °F</b>	<b>Low: 56 °F</b>	<b>High: 73 °F</b>

### OUTLOOK

**This week:** After a hot start, a strong cold front will cross Wednesday with a threat for strong to severe thunderstorms. Temperatures will then return to near average values, under high pressure. Precipitation is generally expected to be less than 1.00 inch.

**Week of June 15<sup>th</sup>:** Temperatures will remain near or slightly below normal with below average precipitation. Precipitation less than 1.00 inch

**Week of June 22<sup>th</sup>:** Temperatures will return to near or above normal. Generally dry conditions continue. Possible tropical development?

**Outlook for July:** Near to slightly above normal precipitation and temperature.

**Jun-July-Aug Outlook:** ENSO Neutral conditions are forecast to continue. At this time, temperatures still look like they will be slightly above normal for the season, though June looks fairly normal. Precipitation will trend near to slightly above normal. The caveat to all this will be with any impacts from tropical system remnants.

**Hurricane Season Forecast is below...**

### HIGH WATER POTENTIAL

Streamflows are running near normal across the Upper Ohio River Basin. It will take 2.50+ inches to bring rivers to bankfull. At this time it appears, outside of the remnants of any tropical systems, the high water threat will be minimal for the remainder of 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

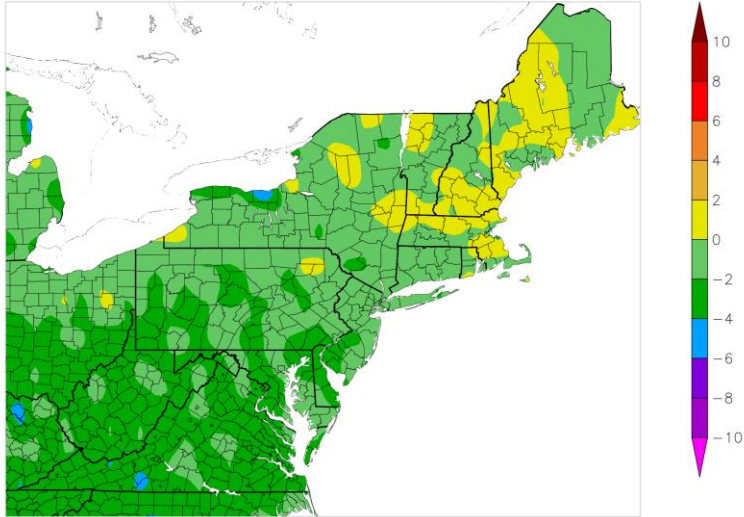
**Average Yearly precipitation Pittsburgh: 38.19 inches. In 2020: 19.17 (+3.06)**

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"

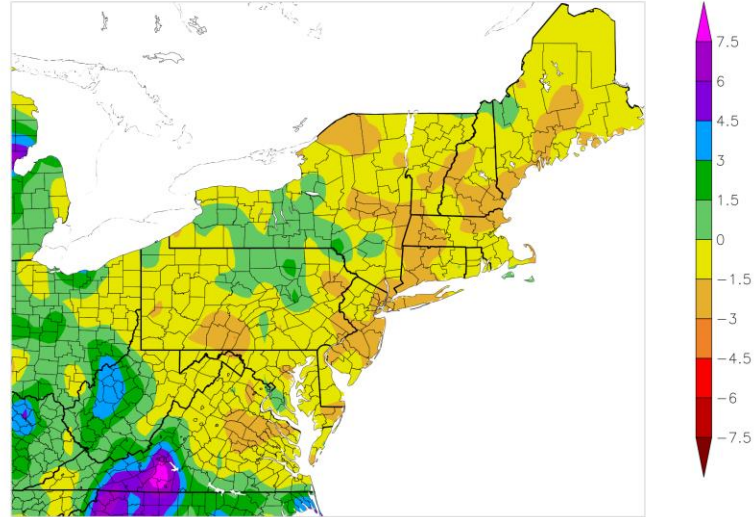
**Average Yearly snowfall Pittsburgh: 41.9 inches. 2019-20: 21.7" (-19.6); 2018-19: 36.6" (-5.3); 2017-18: 59.8"**

**(+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)  
5/1/2020 - 5/31/2020



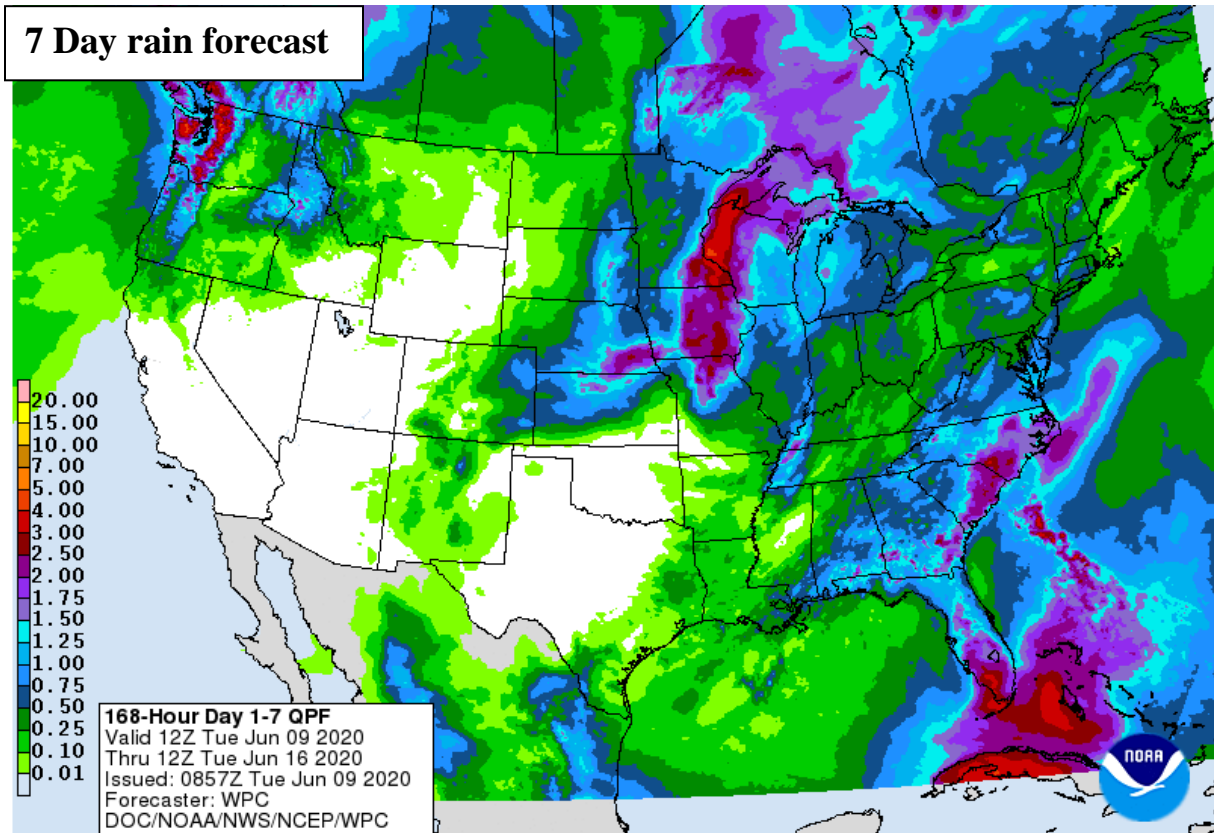
Departure from Normal Precipitation (in)  
5/1/2020 - 5/31/2020



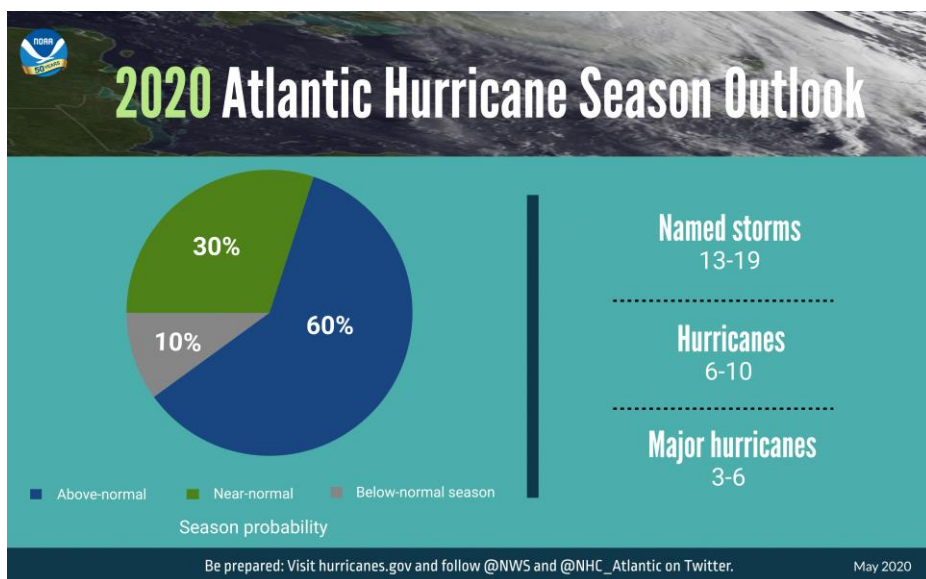
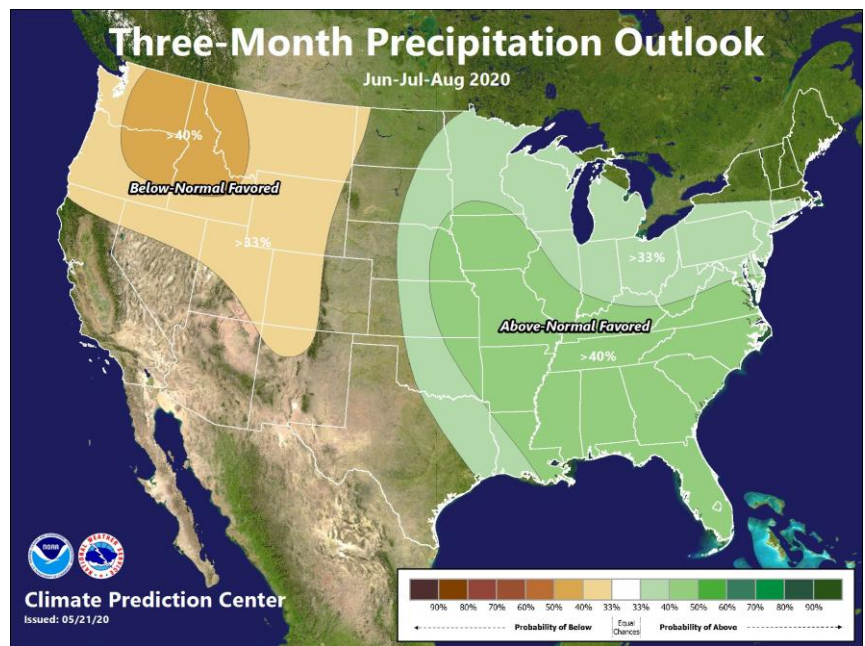
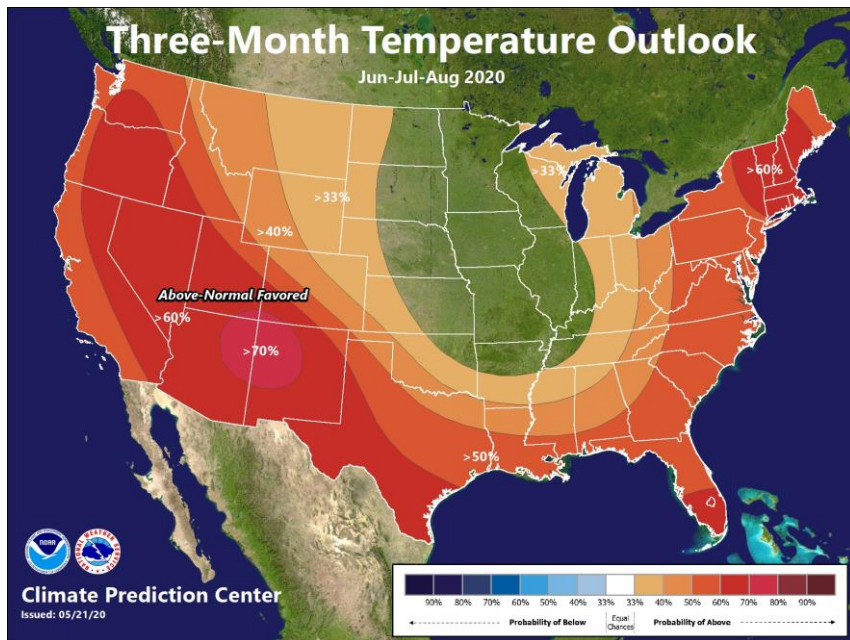
Generated 6/6/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers 5/6/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers



**Summer Forecast:**



In addition to Enso-neutral conditions, warmer-than-average sea surface temperatures in the tropical Atlantic Ocean and Caribbean Sea, coupled with reduced vertical wind shear, weaker tropical Atlantic trade winds, and an enhanced west African monsoon all increase the likelihood for an above-normal Atlantic hurricane season. We generally average 12 named storms, 6 of which become hurricanes and 3 that become major hurricanes.

We have already had 3 named storms, 2 of which happened before the official start of the season.