

RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting 05/08/2019

National Weather Service Forecast Office, Pittsburgh PA

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

WEATHER RECAP

April was a rather quiet month for the upper Ohio Valley. Temperatures ran well above average for the month with near normal precipitation.

OUTLOOK

This week: Rain shower chances increase due to a stalled boundary and gradual cold front passage Friday. Dry conditions possible Saturday under high pressure. Shower chances return Sunday evening. Precipitation generally 1.50 inches or less.

Outlook for week of May 13: Dry to start the week, followed by another low pressure system. Temperatures will run below average. Precipitation under 1.00 inch.

Outlook for week of May 20: Eastern US ridge will return near to above normal temperatures that will continue through the last week of May. Precipitation will be near normal. ~1.00inch

Outlook for week of May 27: Near normal temperatures and precipitation forecast.

Outlook for June: Above average temperatures and precipitation and projected.

Summer Outlook: Summer may not be much different than last year. Warm and Wet with the El Nino remaining in place. Hurricane season could be relatively low, though there may be development close to the coast like last year.

HIGH WATER POTENTIAL




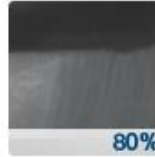

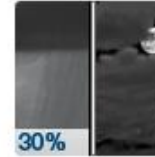

Streamflows over the upper Ohio River basin are running near normal. As a result, 1.50-2.00 inches of rainfall in 6-12 hours will be needed to bring river and streams to near bank full. Long Range projections are keeping the chance for river flooding low for the Monongahela, Allegheny, Youghiogheny, and upper Ohio.

<i>Location</i>	<i>April 2019 Precipitation</i>	<i>Departure (Inches)</i>
<i>Pittsburgh</i>	3.44	+0.33

<i>Location</i>	<i>Apr Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<i>Pittsburgh</i>	54.0	+3.1	79 on Apr 18	23 on Apr 01

	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

Pittsburgh Forecast:

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
Slight Chance Showers then Partly Sunny	Mostly Cloudy	Chance T-storms then Showers Likely	Showers	Showers Likely	Chance Showers then Mostly Cloudy	Mostly Sunny
High: 75 °F	Low: 59 °F	High: 80 °F	Low: 62 °F	High: 74 °F	Low: 47 °F	High: 67 °F

8-14 Day Outlook... Below average temperatures and near normal precipitation expected.

Jun-Jul-Aug Outlook... Above average temperatures and precipitation near or slightly above normal.

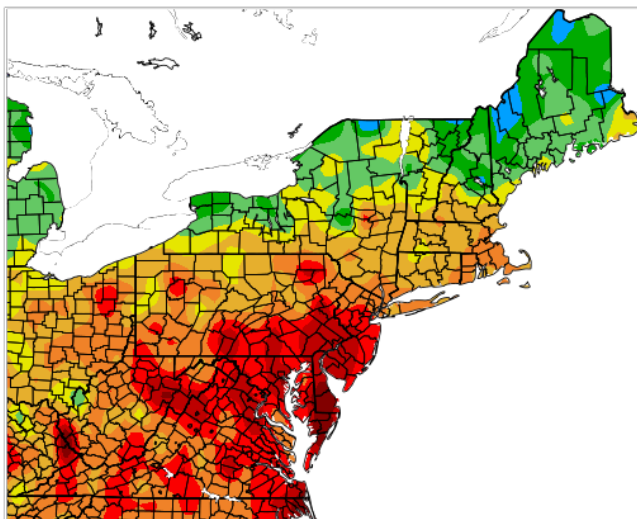
Aug-Sep-Oct Outlook... Temperatures remain above normal. Precipitation closer to normal.

Average Yearly precipitation Pittsburgh: 38.19 inches. **In 2019:** 14.12" (+2.43)

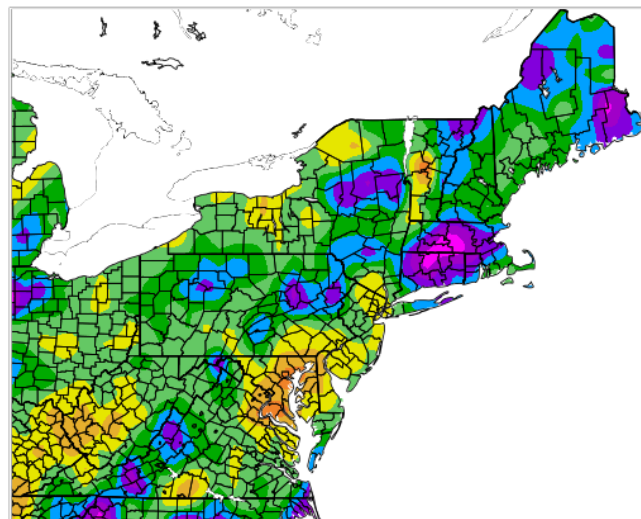
Totals for: **2018:** 57.83" (+19.64); 2017: 42.15"; 2016: 35.01"; 2015: 40.56"; 2014: 36.84"; 2013: 36.65"; 2012: 41.74"

Average Yearly snowfall Pittsburgh: 41.9 inches. **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)
4/1/2019 - 4/30/2019



Departure from Normal Precipitation (in)
4/1/2019 - 4/30/2019

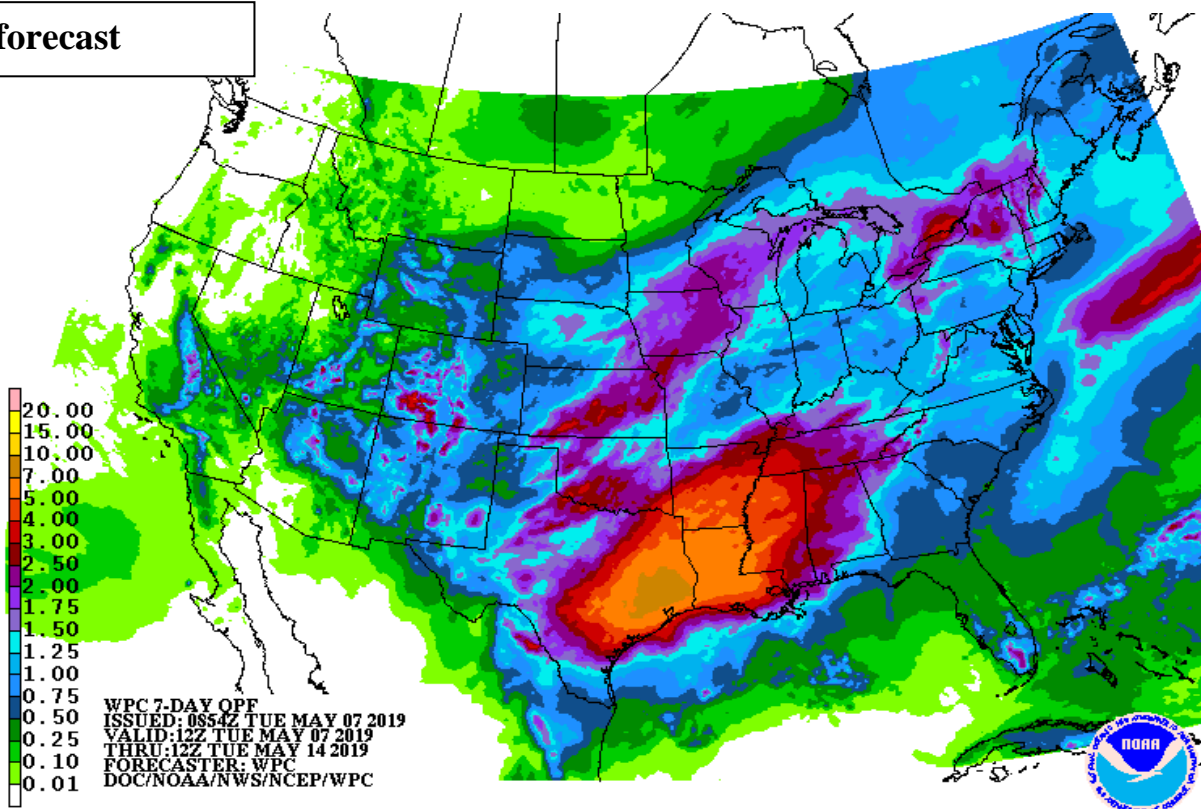


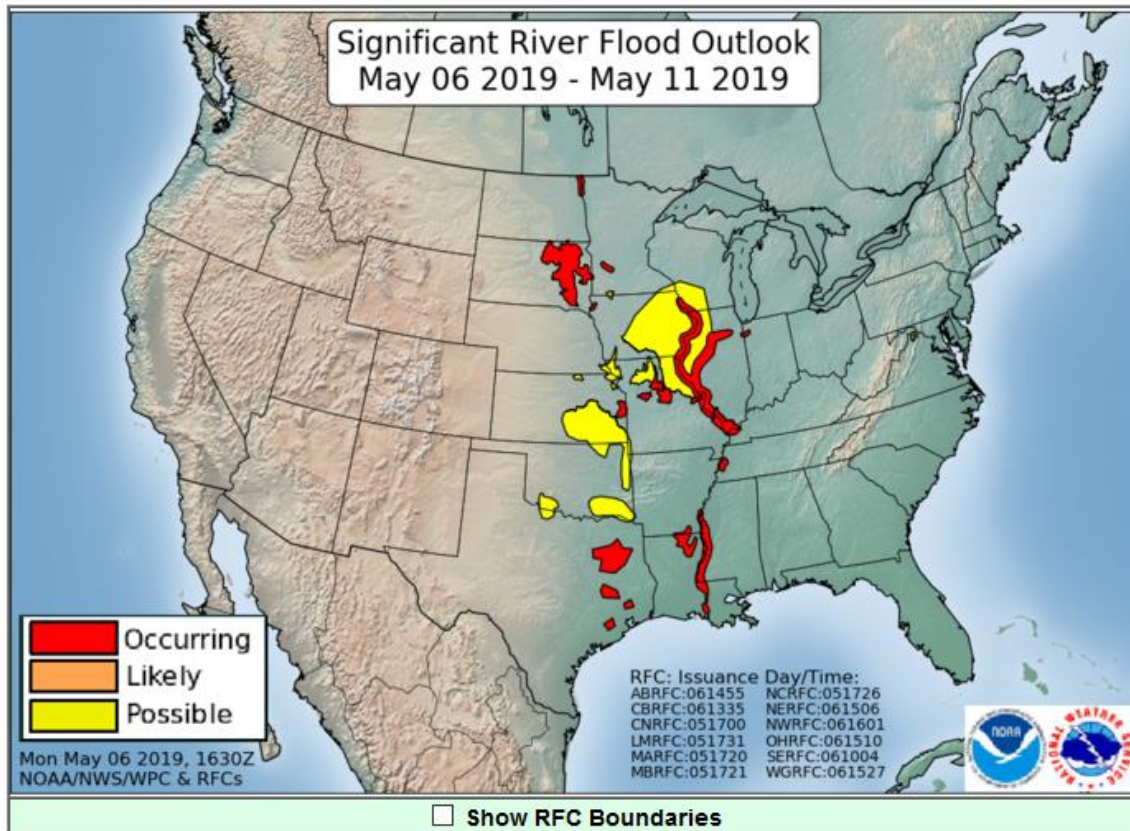
Generated 5/6/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers 5/6/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

7 Day rain forecast





Legend description:

- **Occurring or Imminent** - Significant flooding is already occurring or is forecast to occur during the outlook period.
- **Likely** - Weather conditions indicate that significant flooding can be expected during the outlook period.
- **Possible** - Weather conditions indicate that significant flooding could occur. Such flooding is neither certain nor imminent.

Cicada season is upon us. Brood VIII (17 year) will emerge. Timing is mid-May to mid-June for SW PA.
Active Periodical Cicada Broods of the United States

