

RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting 04/10/2019

National Weather Service Forecast Office, Pittsburgh PA

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

WEATHER RECAP

After several months (seven) with above normal precipitation, March ran below normal for both rain and snow. Temperatures also ran below average for the month.

OUTLOOK

This week: High pressure will remain in place until a strong cold front crosses on Friday. Strong wind gusts possible with that cold front passage. A second low pressure system will bring rain Sunday. Precipitation 1.50-2.00 inches.

Outlook for week of Apr 15: Dry after the system Sunday/early Monday but an active pattern will persist. Another low pressure system for the end of the week with rain shower chances through the weekend. Temperatures averaging near normal.

Outlook for week of Apr 22: Rather progressive pattern continues. Temperatures will remain near or above normal. Precipitation near or below normal.

Outlook for week of Apr 29: Drier and warm conditions this week.

Outlook for May: Temperature will run above average with near to slightly above average precipitation.

Summer Outlook: Summer may not be much different than last year. Warm and Wet with the El Nino remaining in place.

HIGH WATER POTENTIAL








Streamflows over the upper Ohio River basin are actually running below normal as a result of the drier conditions in March. As a result, 2.00-2.50 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>March 2019 Precipitation</i>	<i>Departure (Inches)</i>
Pittsburgh	2.37	-0.58

<i>Location</i>	<i>Mar Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
Pittsburgh	36.7	-2.9	77 on Mar 14	6 on Mar 05

	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
						
Mostly Sunny	Slight Chance Showers	Partly Sunny	Mostly Cloudy then Chance Showers	Showers Likely	Chance Showers then Partly Cloudy	Mostly Sunny
High: 56 °F	Low: 41 °F	High: 70 °F	Low: 55 °F	High: 69 °F	Low: 46 °F	High: 59 °F

8-14 Day Outlook... Precipitation will remain above average. With temperatures near normal.

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

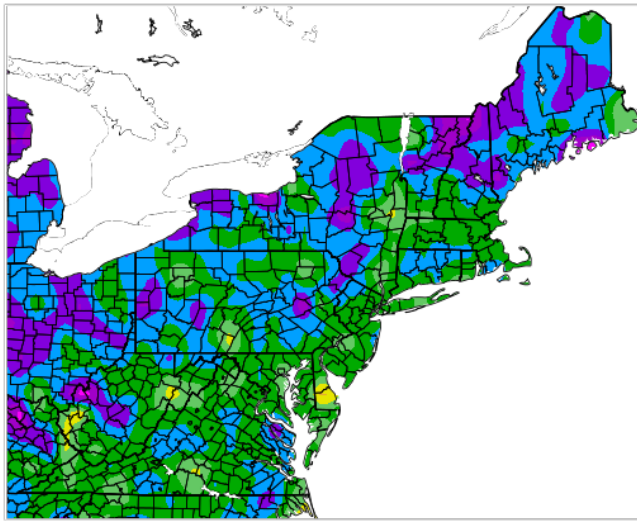
Jul-Aug-Sep Outlook... Temperatures remain above normal. Precipitation closer to normal.

Average Yearly precipitation Pittsburgh: 38.19 inches In 2019: 9.75" (+0.89)

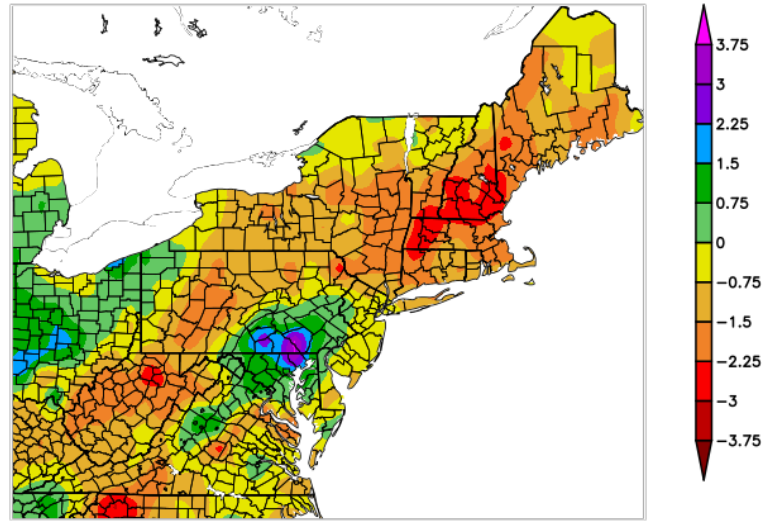
Totals for: **2018: 57.83" (+19.64)**; 2017: 42.15"; 2016: 35.01"; 2015: 40.56"; 2014: 36.84"; 2013: 36.65"; 2012: 41.74"

Average Yearly snowfall Pittsburgh: 41.9 inches. 2018-19: 36.6" (-4.5); 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)
3/1/2019 - 3/31/2019



Departure from Normal Precipitation (in)
3/1/2019 - 3/31/2019

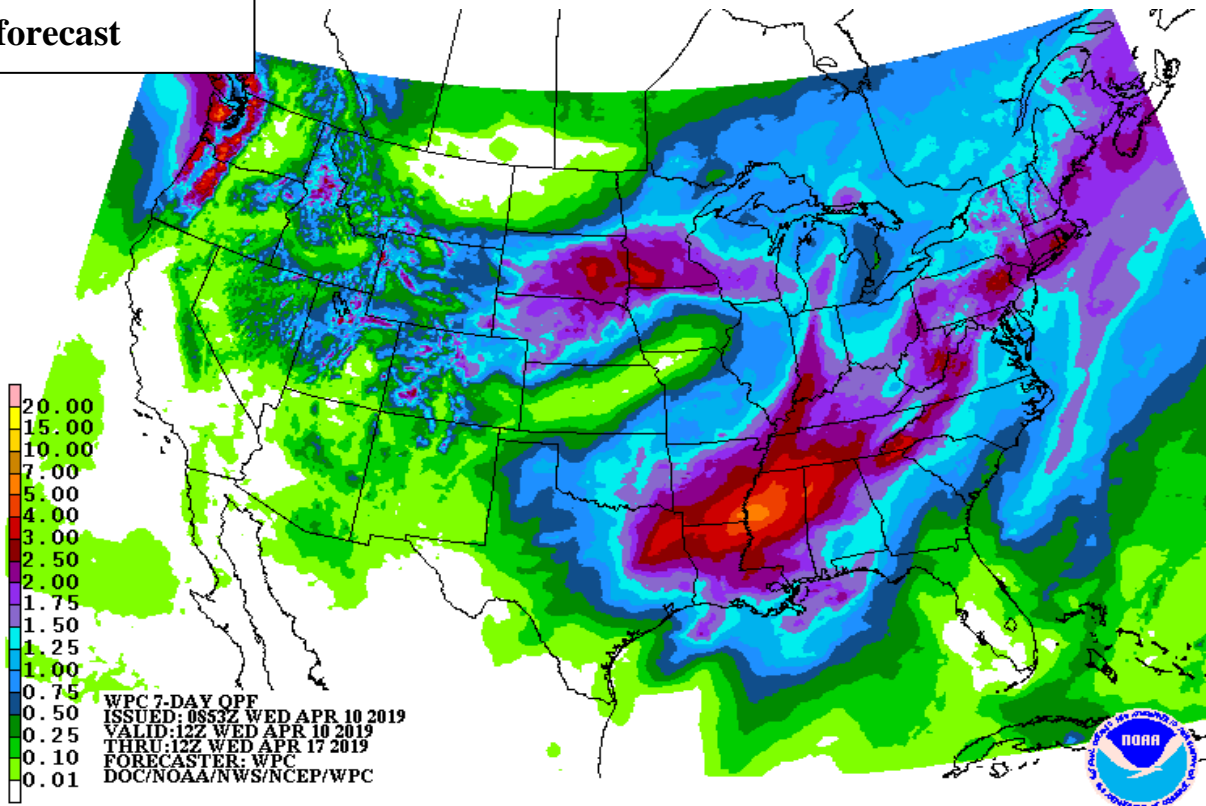


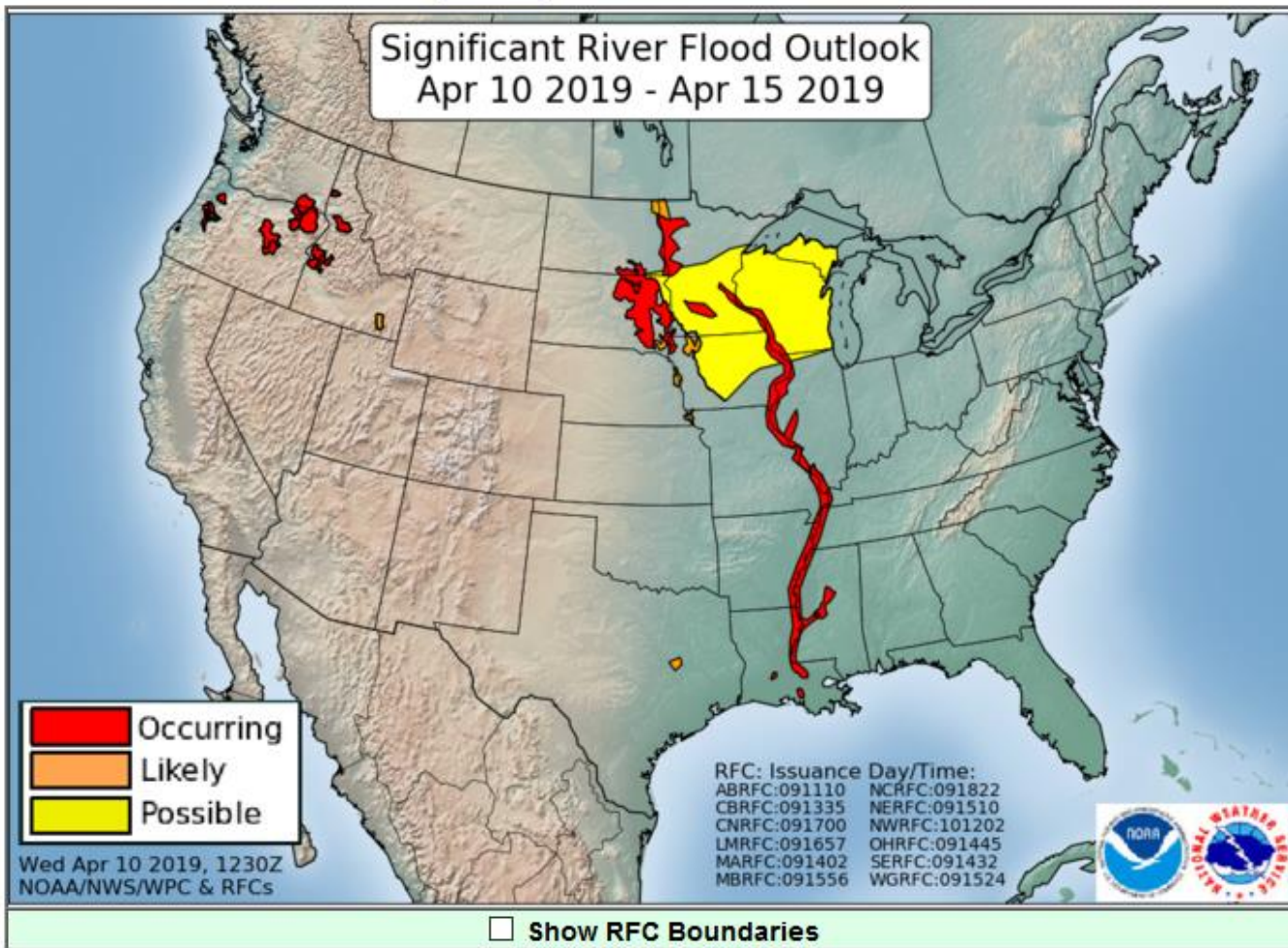
Generated 4/6/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers 4/6/2019 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.

