

RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting 03/13/2019
 National Weather Service Forecast Office, Pittsburgh PA
 For the latest river and weather forecasts--<http://www.weather.gov/pittsburgh>

WEATHER RECAP

February ended with above average precipitation, mostly as a result of two rain events through the middle of the month. This is not to be outdone by last year's 7 inches. Rises were observed on all major rivers and some minor ice jam flooding was noted on the Allegheny. Snowfall was also slightly above average for the month.

OUTLOOK

This week: Temperatures will remain above average through the end of the week ahead of an approaching system, which will bring rain to the region Thursday and Friday. Cold front will return seasonably cool temperatures but mainly dry conditions for the weekend. A few snow showers may be possible Friday night into Saturday, but generally north of Pittsburgh. Precipitation less than 0.50 inch.

Outlook for week of Mar 18: Cool temperatures will start the week, followed by a return to seasonal averages. No major system projected. Precipitation less than 0.50 inch.

Outlook for week of Mar 25: Temperatures will run above normal with near or slightly above average precipitation. This will last through the first week of April.

Outlook for April: Near normal temperatures and precipitation.

Spring Outlook: No real strong signals for a wetter than normal Spring. Temperatures averaging near normal.

HIGH WATER POTENTIAL

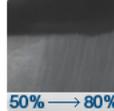
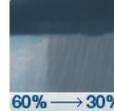
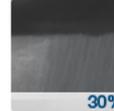
Streamflows have returned to normal across the upper Ohio River basin given the drier and colder conditions that started the beginning of March. As a result, 1.50-2.00 inches of rainfall in 6-12 hours will be needed to bring river and streams to near bank full. Long Range projections are keeping the chance for river flooding low through April for the Monongahela, Allegheny, Youghiogheny, and upper Ohio.

<i>Location</i>	<i>February 2019 Precipitation</i>	<i>Departure (Inches)</i>
<i>Pittsburgh</i>	4.13	+1.74

<i>Location</i>	<i>Feb Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<i>Pittsburgh</i>	33.7	+2.6	62 on Feb 4	6 on Feb 01/02

	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:

Today	Tonight	Thursday	Thursday Night	Friday	Friday Night	Saturday	Saturday Night	Sunday
								
Mostly Cloudy	Mostly Cloudy	Chance Rain	Chance Rain then Showers	Showers Likely then Chance Showers	Chance Showers	Mostly Cloudy	Mostly Cloudy	Partly Sunny
High: 58 °F	Low: 45 °F	High: 68 °F	Low: 53 °F	High: 60 °F	Low: 33 °F	High: 39 °F	Low: 26 °F	High: 41 °F

8-14 Day Outlook... Temperatures will be above average with below average chances for precipitation.

Apr-May-Jun Outlook... Above average temperatures and precipitation near normal.

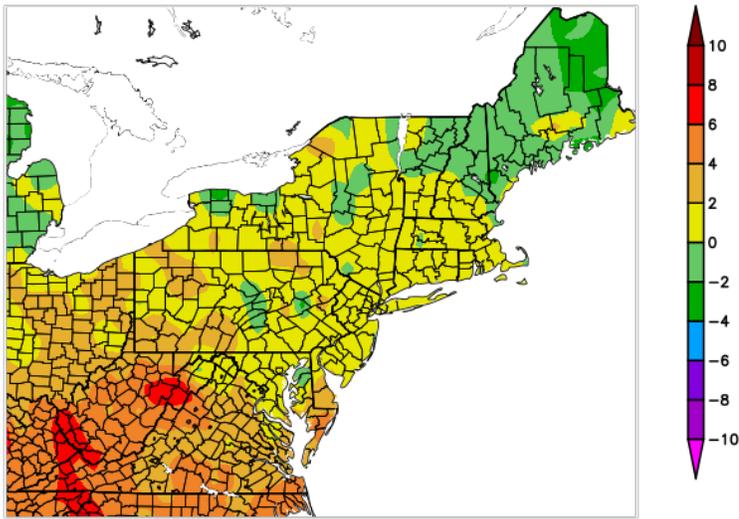
Jun-Jul-Aug Outlook... Temperatures slightly above normal and above normal precipitation.

Average Yearly precipitation Pittsburgh: 38.19 inches In 2019: 8.30" (+2.14)

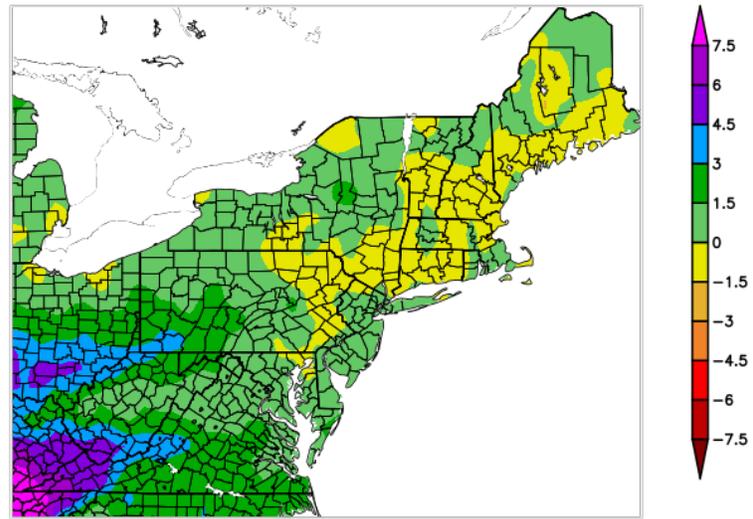
Totals for: **2018: 57.83" (+19.64)**; 2017: 42.15"; 2016: 35.01"; 2015: 40.56"; 2014: 36.84"; 2013: 36.65"; 2012: 41.74"

Average Yearly snowfall Pittsburgh: 41.9 inches. 2018-19: 36.3" (-0.3); 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)
2/1/2019 - 2/28/2019



Departure from Normal Precipitation (in)
2/1/2019 - 2/28/2019

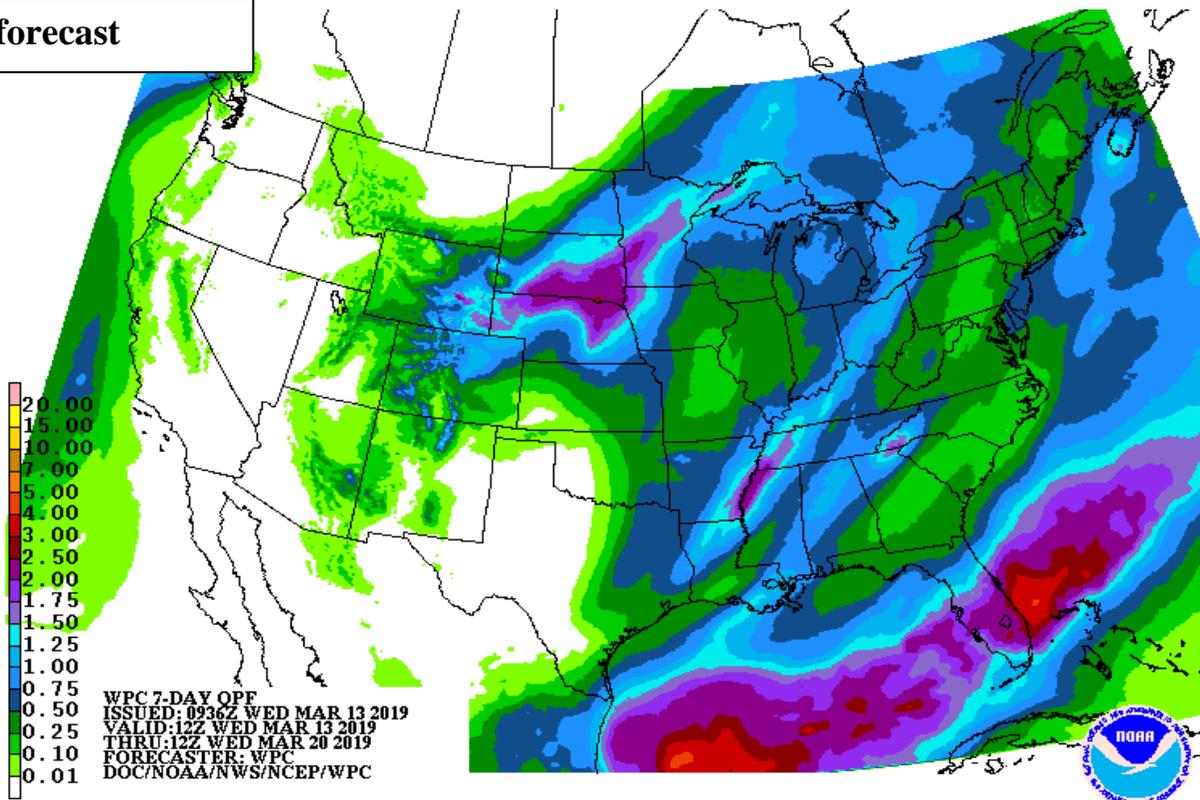


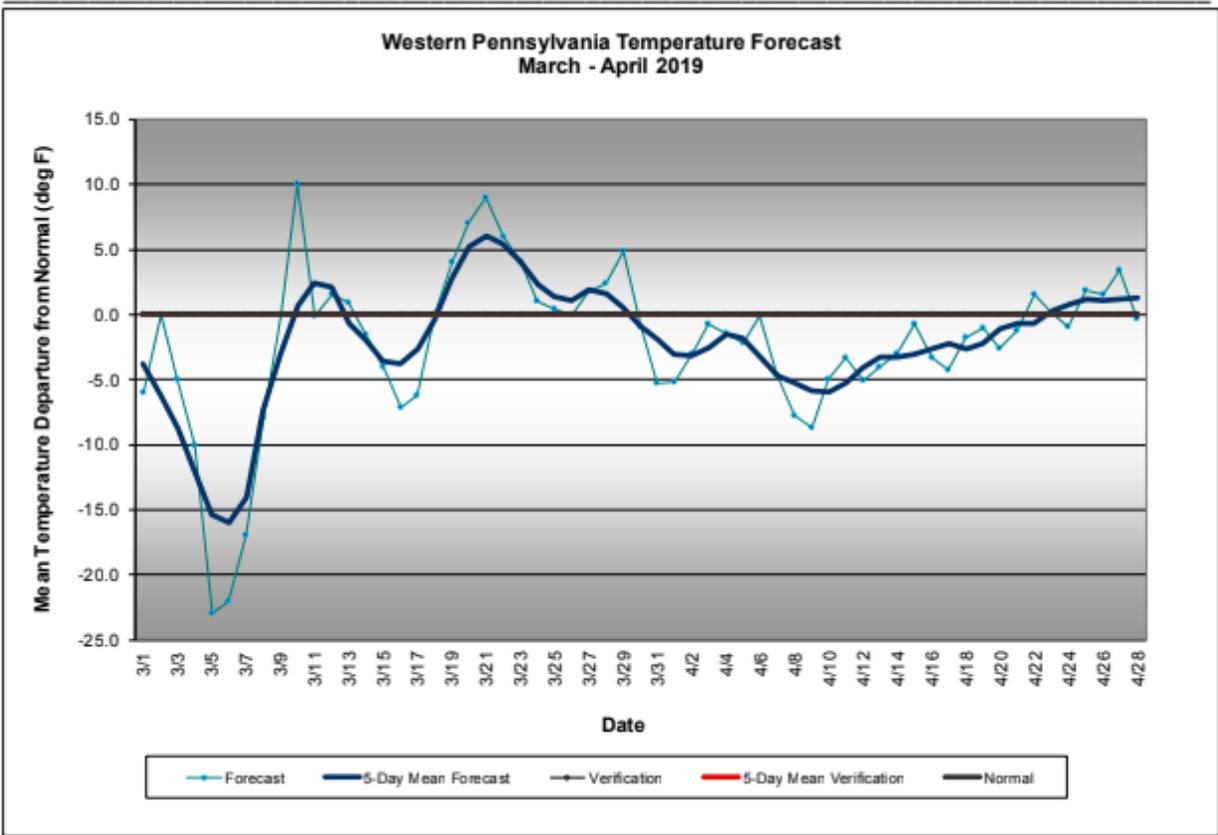
Generated 3/10/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers 3/10/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

7 Day rain forecast





El Nino Advisory now in effect through Spring

- Generally results in a near normal Spring. Precipitation near normal. ~10.00 inches.
- If El Nino continues into the summer, this could result in a season, similar to last year. There were 15 named storms, 8 hurricanes, and 2 major hurricanes last year. Normal is 11/6/2

