

RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting 09/11/2019

National Weather Service Forecast Office, Pittsburgh PA

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

WEATHER RECAP

Heavy rain on Halloween led to yet another above-average precipitation month. This made October 2019 the second wettest October on record. We were also 3.5 degrees above average in temperature.

While none of the larger rivers experienced any flooding, several smaller streams and tributaries had significant rises at the end of Oct-beginning of Nov. As a result, flows are running above normal, especially on the Allegheny River.

<i>Location</i>	<i>October 2019 Precipitation</i>	<i>Departure (Inches)</i>
<i>Pittsburgh</i>	7.19	4.90

<i>Location</i>	<i>Oct Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<i>Pittsburgh</i>	56.2	+3.5	89 on Oct 03	32 on Oct 19

Pittsburgh Forecast:

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
Increasing Clouds	Mostly Cloudy	Mostly Cloudy	Partly Cloudy	Mostly Sunny	Partly Cloudy	Sunny
High: 32 °F	Low: 23 °F	High: 42 °F	Low: 26 °F	High: 41 °F	Low: 23 °F	High: 38 °F

OUTLOOK

Rest of the week: High pressure will persist through the end of the week. Temperatures will run 10-15 degrees below average. Precip less than 0.25 inch

Week of Nov 18th: Temperatures will return to near or above normal values through the weekend with precipitation chances increasing late week. Precip less than 0.25 inch

Week of Thanksgiving: Temperature remaining near normal with precipitation near normal.

Outlook for December: Temperatures above average and near normal precipitation.

Dec-Jan-Feb Outlook (Winter Outlook): Precipitation (snow) and temperatures above average (Warmth due to warm temps in December). January still has the potential to be below average.

Feb-Mar-Apr Outlook: Temperatures near normal and above average precipitation.

HIGH WATER POTENTIAL

Streamflows are running at or above normal over the upper Ohio River. This, and the fact that we are now in “dormancy”, means it will take less rainfall to reach bank full (~1.50-2.00”). Long Range projections are keeping the chance for river flooding low for the Monongahela, Allegheny, Youghiogheny, and upper Ohio.

	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

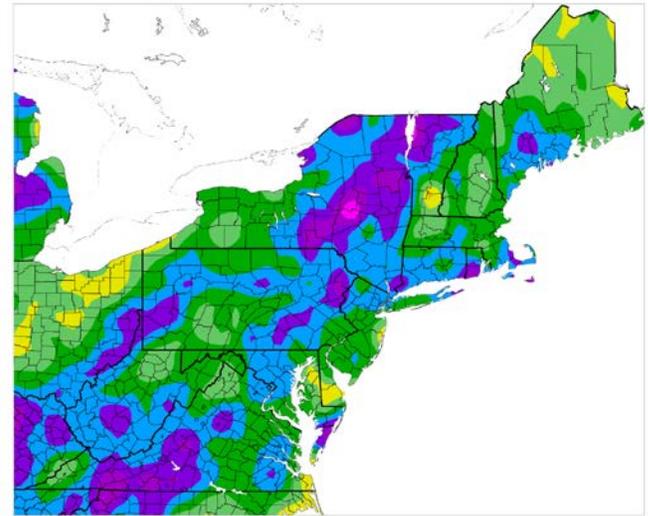
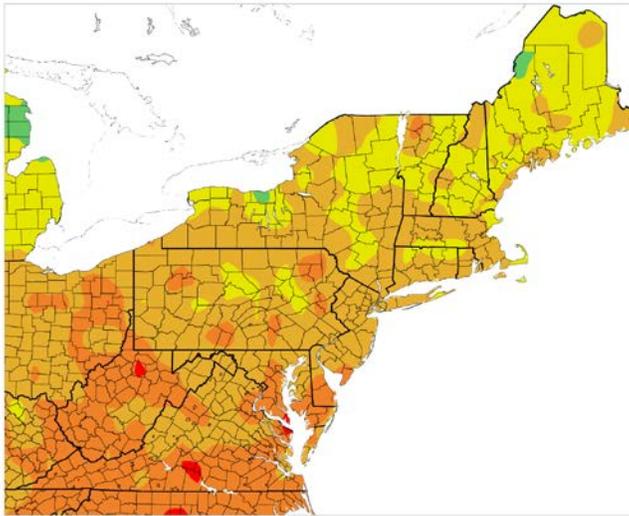
Average Yearly precipitation Pittsburgh: 38.19 inches. In 2019: 47.88" (+14.66)

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)
10/1/2019 - 10/31/2019

Departure from Normal Precipitation (in)
10/1/2019 - 10/31/2019

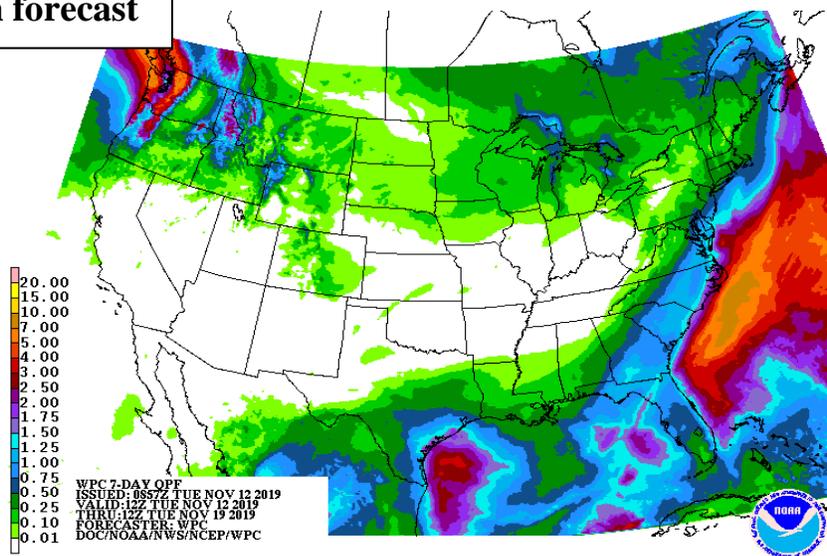


Generated 11/10/2019 at HPRCC using provisional data.

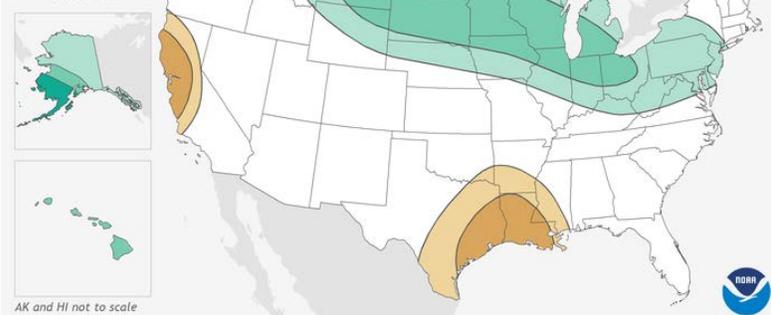
NOAA Regional Climate Centers 11/10/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

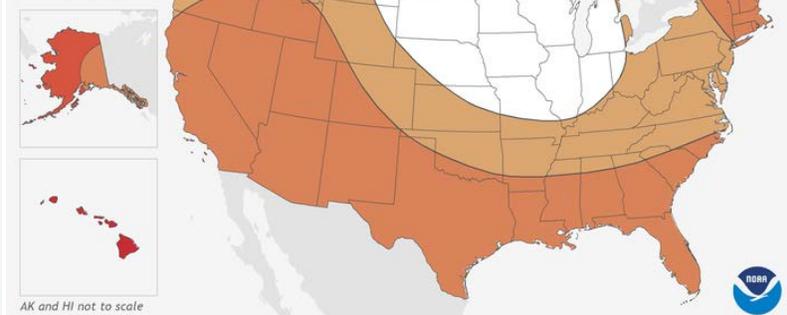
7 Day rain forecast



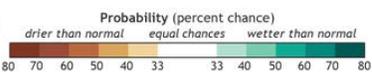
Winter 2019 U.S. Precipitation Outlook



Winter 2019 U.S. Temperature Outlook

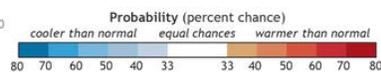


Precipitation Outlook for December 2019 - February 2020
Issued 17 October 2019



NWS Climate Prediction Center
Map by NOAA Climate.gov

Temperature Outlook for December 2019 - February 2020
Issued 17 October 2019



NWS Climate Prediction Center
Map by NOAA Climate.gov