

## RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting 11/11/2020

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

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

### WEATHER RECAP

October started out dry but ended above average after rainfall as a result of passing low-pressure system and the remnants of Zeta. The average temperature was slightly warmer than normal.

<i>Location</i>	<i>October 2020 Precipitation</i>	<i>Departure (Inches)</i>
<b><i>Pittsburgh</i></b>	3.29	+1.00

<i>Location</i>	<i>Oct Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<b><i>Pittsburgh</i></b>	54.0	+1.3	79 on Oct 22	27 on Oct 31

### OUTLOOK

**This week:** High pressure will persist through Tuesday, with temperatures well above normal. A cold front will bring rain by Wednesday. Another system will bring chances for rain at the end of the week. Precipitation around 1.50 inches

**Week of Nov 16<sup>th</sup>:** Active pattern persists with series of fast-moving systems. Temperatures continue to trend above normal. Precipitation ~ 1.00inch

**Week of Nov 23:** Temperatures return to seasonal values. Possibly some snow by the end of the month.

**Outlook for December:** Temperatures near or slightly above with near normal precipitation.

**Outlook for January:** Temperatures near normal with above average precipitation.

**Winter Outlook:** La Nina Advisory continues. La Nina could bring active/wet conditions to the Ohio Valley, similar to 2017-2018. Temperatures are currently projected to be warmer than average which could lead to more mixed/freezing rain events. The warmth of the summer may limit ice on rivers, but will need to watch cold snaps as we head into January. Conditions look to continue into early spring as well. (See images on page 3)

### HIGH WATER POTENTIAL

Local streamflows are running near or below normal despite the rain that fell at the end of the month. At this time, the threat for high water remains low as it will take 2.50-3.00 inches of rain to reach bankfull.

	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

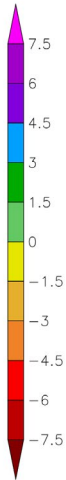
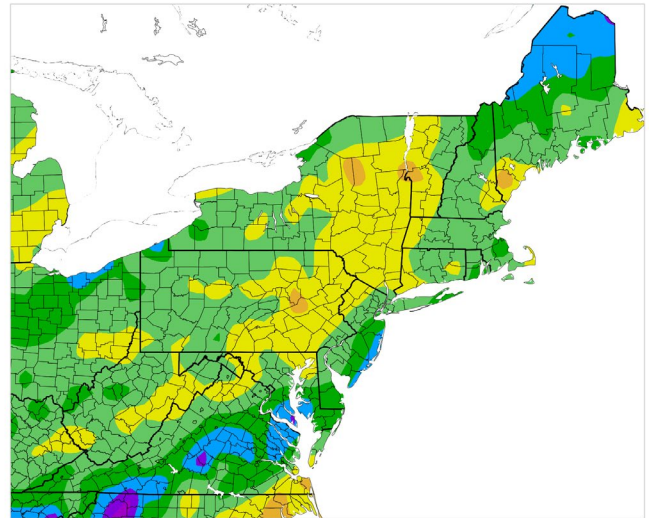
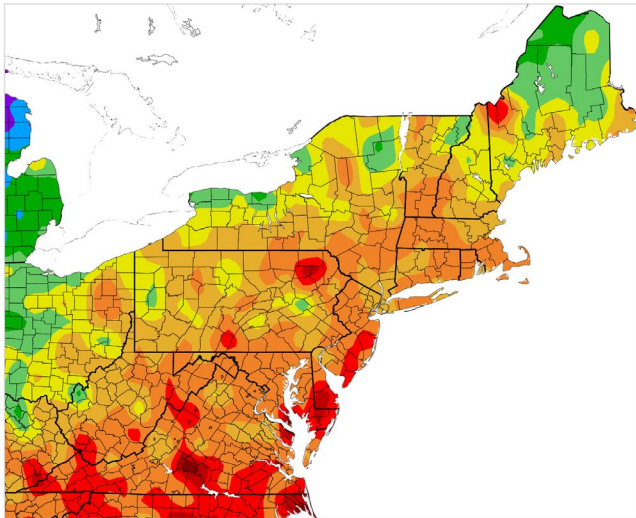
**Average Yearly precipitation Pittsburgh: 38.19 inches. In 2020: 33.88 (+1.36)**

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. 2020-2019: 0.5 (-0.1)**; 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)  
10/1/2020 – 10/31/2020

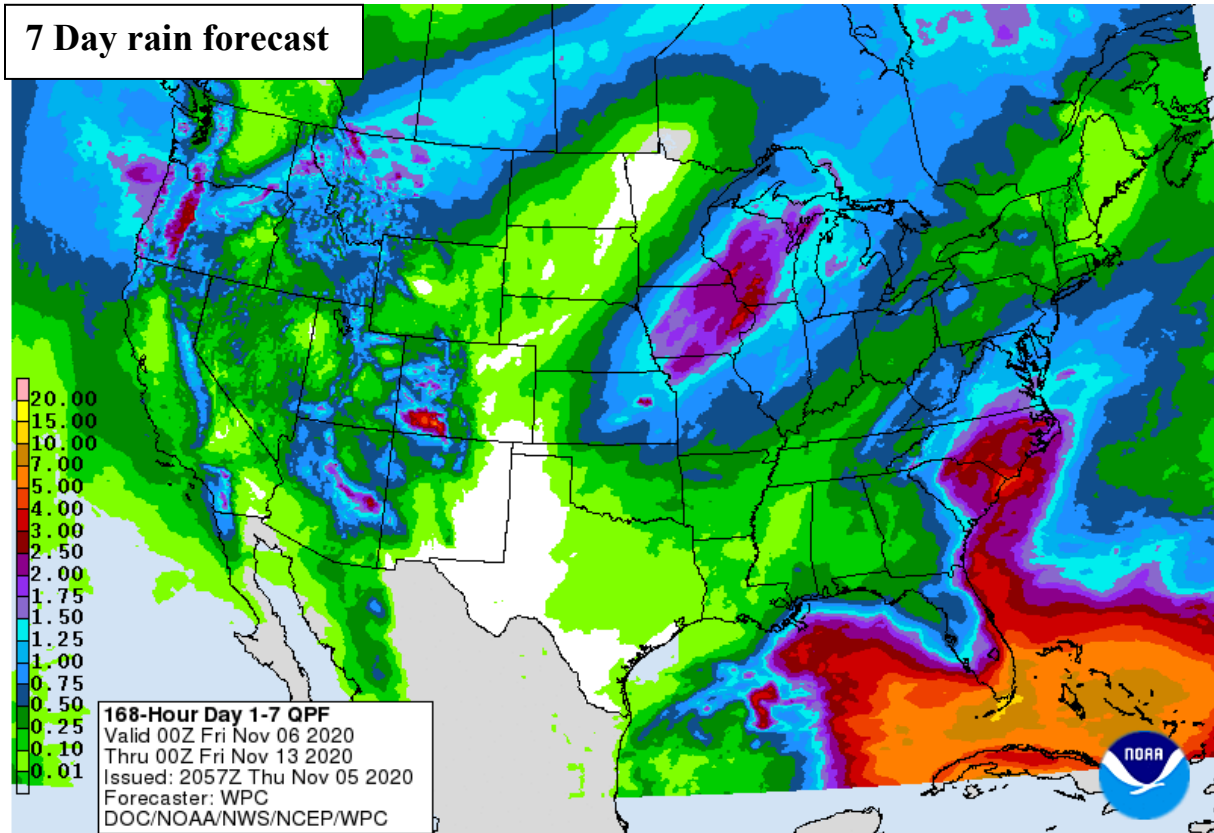
Departure from Normal Precipitation (in)  
10/1/2020 – 10/31/2020



Generated 11/4/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers 11/4/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

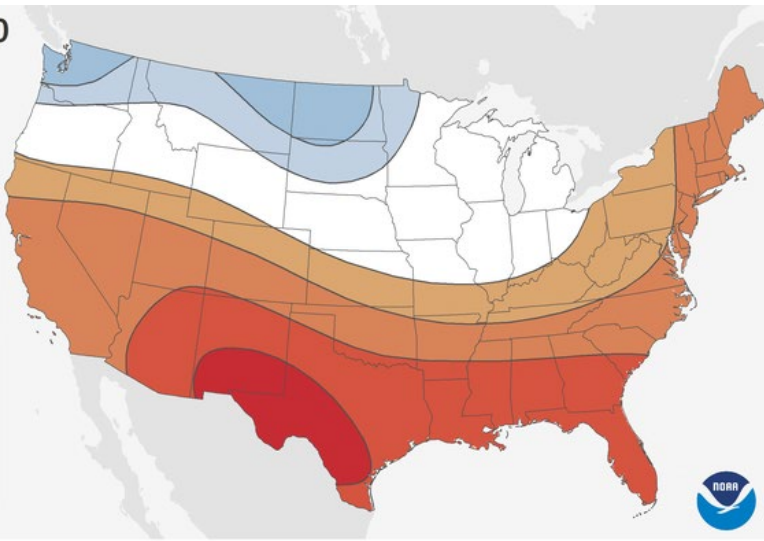


# Winter 2020

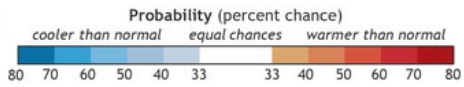
## U.S. Temperature Outlook



AK and HI not to scale



Temperature Outlook for December 2020 – February 2021  
Issued 15 October 2020



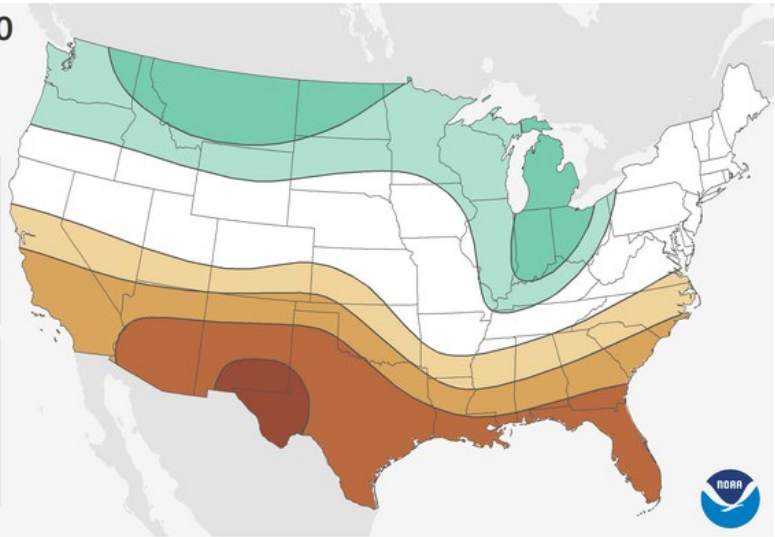
NWS Climate Prediction Center  
Map by NOAA Climate.gov

# Winter 2020

## U.S. Precipitation Outlook



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Precipitation Outlook for December 2020 – February 2021  
Issued 15 October 2020



NWS Climate Prediction Center  
Map by NOAA Climate.gov