

RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting 12/11/2019

National Weather Service Forecast Office, Pittsburgh PA

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

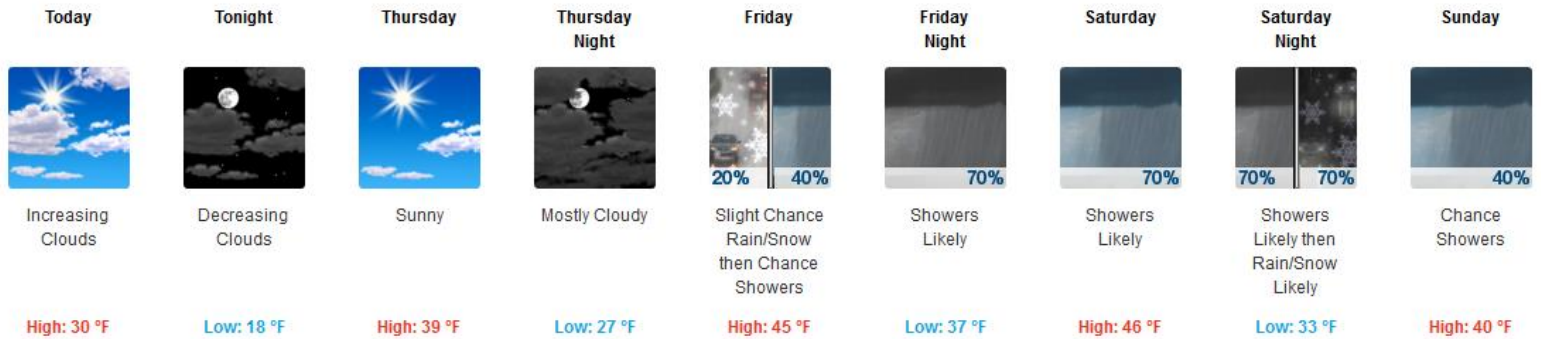
WEATHER RECAP

November was well below normal for temperature and drier than average. However, a system brought 3 inches of snow to the region on the 12th, which did bring us an inch above average for the month.

<i>Location</i>	<i>November 2019 Precipitation</i>	<i>Departure (Inches)</i>
Pittsburgh	1.65	-1.58

<i>Location</i>	<i>Nov Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
Pittsburgh	37.7	-5.2	62 on Nov 11/27	12 on Nov 13

Pittsburgh Forecast:



OUTLOOK

Rest of the week: Weak front will increase clouds today. Cold tonight. Dry conditions continuing until Friday when low pressure moves up the Ohio Valley then transfers to the coast. Rain changing to snow Sat-Sun. Precipitation ~1.00 inch.

Week of Dec 16th: Another low pressure system may bring a rain, snow, or a mix to the region. There is some uncertainty in the low track, which would help determine precipitation type. Temperatures will remain near normal. Precip potential over 1.00inch.

Week of Christmas: Fairly active pattern persists with warmer than average temperature.

Outlook for January:

Dec-Jan-Feb Outlook (Winter Outlook): Precipitation (snow) and temperatures above average (Warmth due to warm temps in December). January and February still have the potential to be below average. Models are really hinting at a cold February.

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

Apr-May-Jun Outlook: Temperatures slightly above average and above average precipitation.

HIGH WATER POTENTIAL

Streamflows are running at or above normal in Monongahela, Allegheny, and upper Ohio rivers. This, and the fact that we are now in “dormancy”, means it will take less rainfall to reach bank full (~1.50-2.00”). High flows are anticipated given forecasted systems through the weekend. Grays Landing may wobble around 15.0 feet through at least the middle of next week.

	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

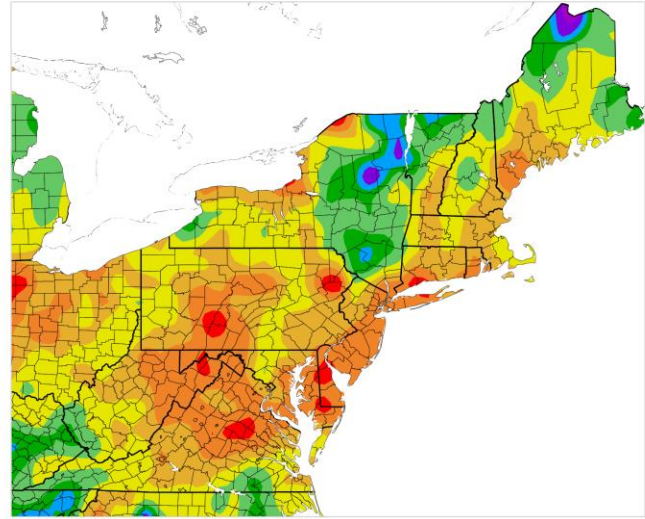
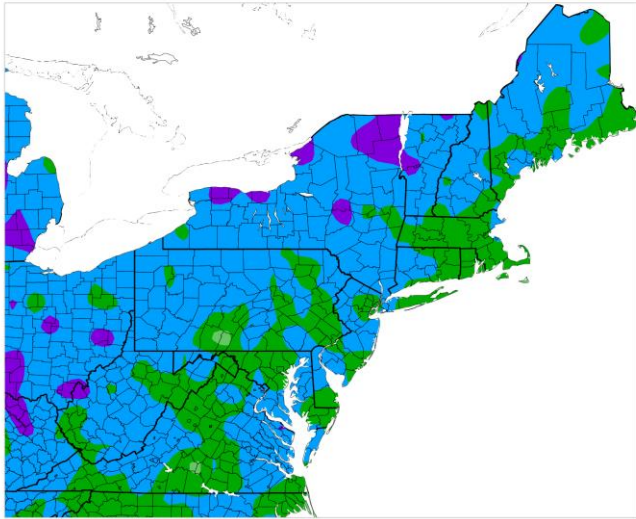
Average Yearly precipitation Pittsburgh: 38.19 inches. In 2019: 50.63” (+14.31)

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. **2019-20:** 4.4" (-0.2); **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)
11/1/2019 – 11/30/2019

Departure from Normal Precipitation (in)
11/1/2019 – 11/30/2019

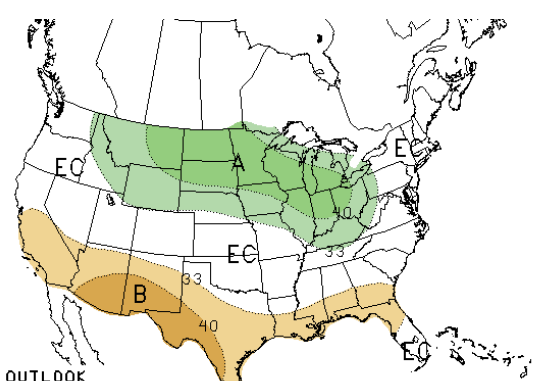
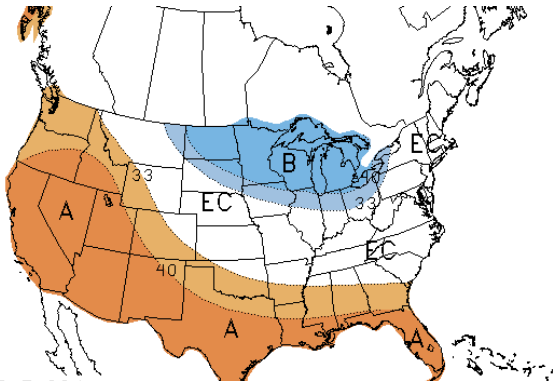
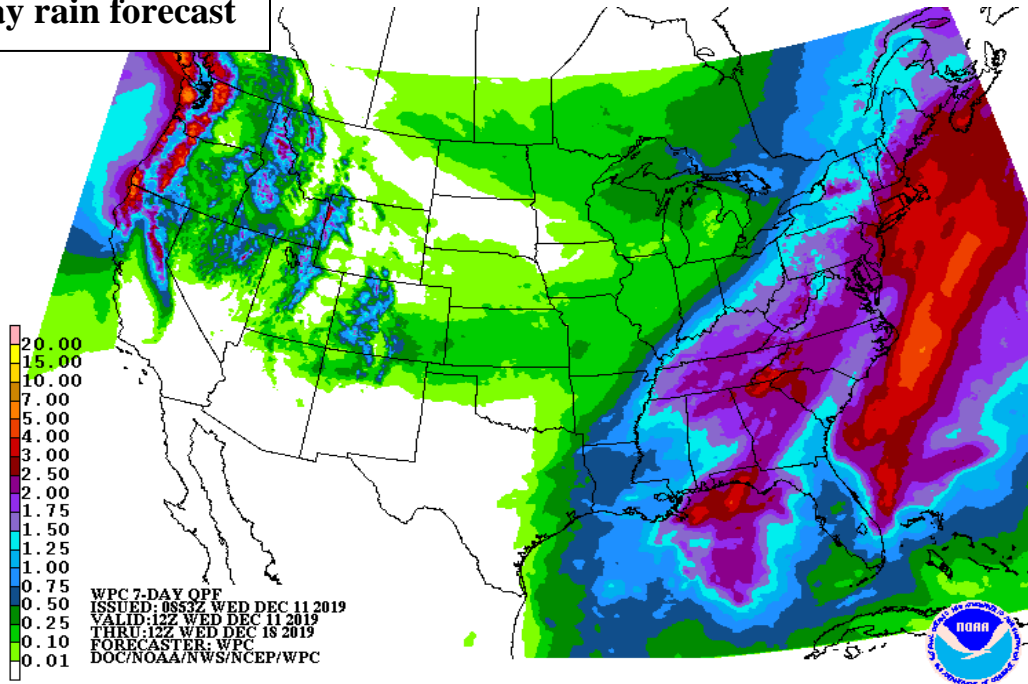


Generated 12/10/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers 12/10/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

7 Day rain forecast



THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
1.5 MONTH LEAD
VALID JFM 2020
MADE 21 NOV 2019

THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
1.5 MONTH LEAD
VALID JFM 2020
MADE 21 NOV 2019

EC MEANS EQUAL CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

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