

RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting - 12/14/2022

National Weather Service Forecast Office, Pittsburgh PA

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


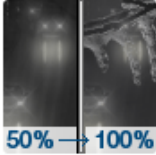



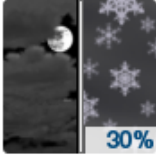

WEATHER RECAP

November ended slightly above normal for precipitation and temperature. No flooding was reported but there were some rises as a result of the remnants of hurricane Nicole.

<i>Location</i>	<i>November 2022 Precipitation</i>	<i>Departure (Inches)</i>
<i>Pittsburgh</i>	4.06	+1.20

<i>Location</i>	<i>Nov Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<i>Pittsburgh</i>	44.3	+1.7	79 on Nov 5	17 on Nov 21

Pittsburgh Forecast:

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
Mostly Cloudy	Chance Rain then Rain/Freezing Rain	Rain/Freezing Rain then Rain	Chance Rain	Mostly Cloudy	Mostly Cloudy then Scattered Snow Showers	Scattered Snow Showers
High: 42 °F	Low: 34 °F	High: 42 °F	Low: 34 °F	High: 42 °F	Low: 29 °F	High: 36 °F

OUTLOOK

This week: Storm system will bring a period of freezing rain to the region early Thursday, with a gradual change to rain through the afternoon. Greatest chance for accumulating ice is north of interstate 80 and east along the terrain. Cold front passage is expected Thursday night with a chance for snow showers late Fri into Sat.

Week of Dec 19th: Temperatures are projected to be below normal with below normal precipitation. White Christmas?

Week of Dec 26th: Temperatures remain below average. Precipitation near normal.

Outlook for January: Below average temperatures could linger into the beginning of January (or longer). Precipitation is projected to be near normal or slightly above normal.

Winter Outlook: 'Triple Dip' La Nina. Our other two previous triple dip La Ninas (1975 and 2000) resulted in below average Decembers. Dec is currently running above average but with the rest of the month forecast to be cold, it is likely we will also fall below normal. The other two triple dip winters had a cold Dec and Jan but a mild Feb. Snow ran slightly below normal.

HIGH WATER POTENTIAL

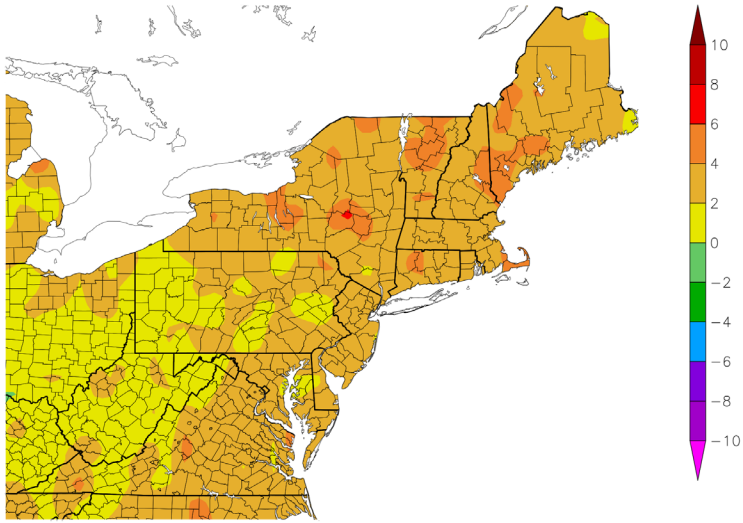
Streamflows are running near normal across the region. We will need 2.00-2.50 inches in 12 hours to get streams near bank full.

Average Yearly precipitation Pittsburgh: 39.61 inches. **In 2022: 41.52 (+3.71)**

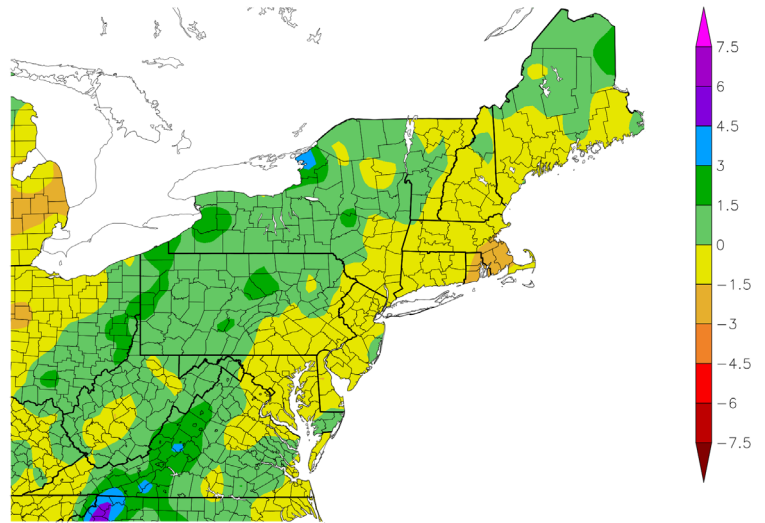
Totals for: **2022: 40.53" (+0.92)**; 2020: 39.33" (+1.14); 2019: 52.46" (+14.27); 2018: 57.83" (+19.64); 2017: 42.15"; 2016: 35.01"; 2015: 40.56"; 2014: 36.84"; 2013: 36.65"; 2012: 41.74"

Average seasonal snowfall Pittsburgh: 44.1 inches. **In 2022-23: 3.3 (-1.7)**; 2021-22: 44.8" (+0.7); 2020-21: 55.3" (+20.3); 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)
11/1/2022 - 11/30/2022



Departure from Normal Precipitation (in)
11/1/2022 - 11/30/2022

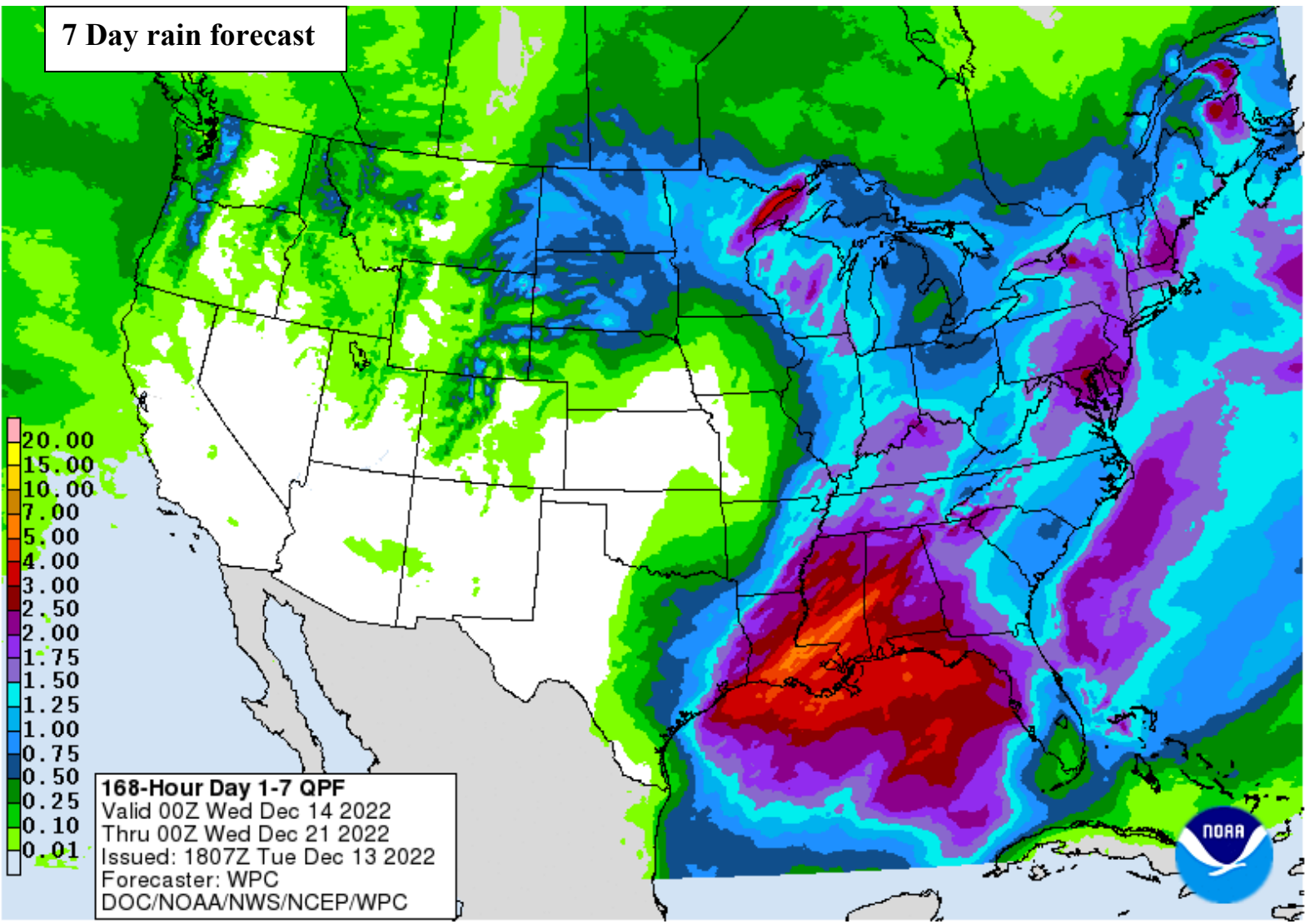


ed 12/10/2022 at HPRCC using provisional data.

NOAA Regional Climate Centers ed 12/10/2022 at HPRCC using provisional data.

NOAA Regional Climate Centers

7 Day rain forecast



168-Hour Day 1-7 QPF
Valid 00Z Wed Dec 14 2022
Thru 00Z Wed Dec 21 2022
Issued: 1807Z Tue Dec 13 2022
Forecaster: WPC
DOC/NOAA/NWS/NCEP/WPC

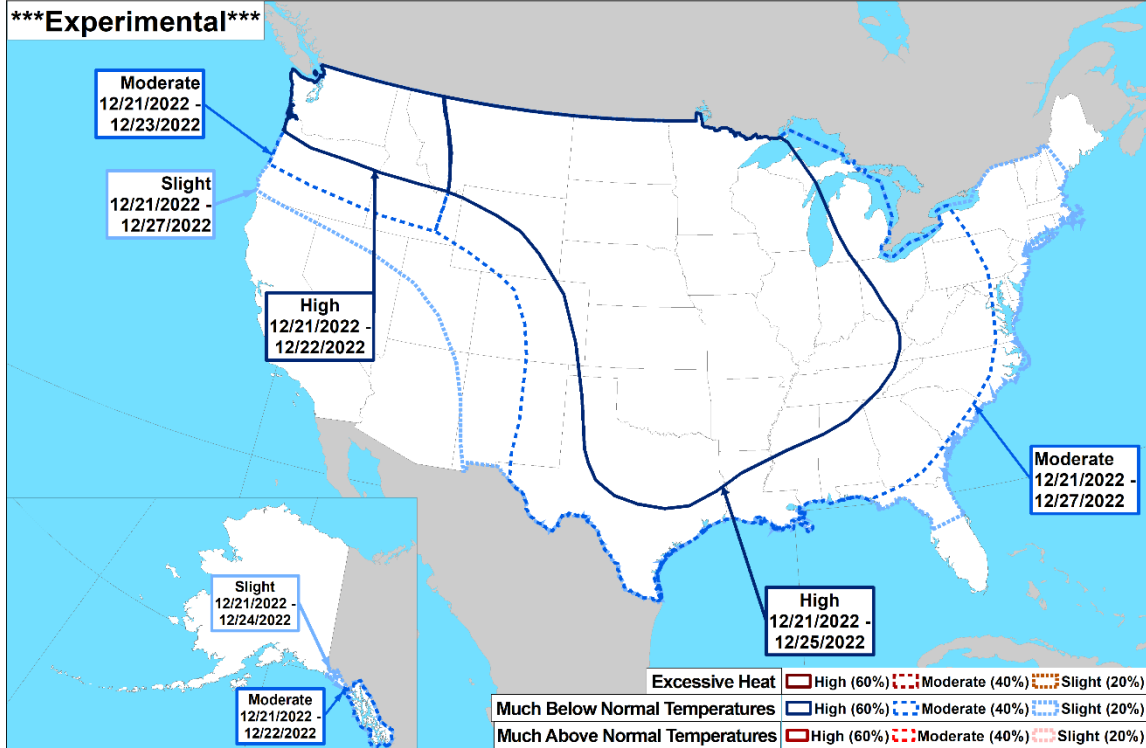


Risk of Hazardous Temperatures

Valid: 12/21/2022-12/27/2022



Experimental



Climate Prediction Center
Made: 12/13/2022 3PM EST

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White Christmas History for Pittsburgh, PA



No snow on ground and no new snow (37/70).

No snow on ground but new snowfall (12/70).

1 in to 3 in. snow depth (14/70).

Over 3 in. snow depth (7/70).



Source: Climate data from GHCN-D. Design inspired by Ottawa Weather Records (@YOW_Weather). Tree icons by Andrew King.