

RIVER AND WEATHER CONDITIONS

Prepared for the Joint Huntington/Pittsburgh Waterways Association Meeting 10/04/2023
National Weather Service Forecast Office, Pittsburgh PA

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

WEATHER RECAP

Much of the upper Ohio Valley remained below average for precipitation for the month of September. Temperatures were also slightly warmer than average. The dry conditions over portions of the Ohio Valley have led to some drought concerns, generally outside of the Pittsburgh area, but along the Ohio River near Parkersburg and Huntington.

Location	Sep 2023 Precipitation	Departure (Inches)	Since Jan 1	Sep Average Temperature	Departure
<i>Parkersburg</i>	1.12	-2.06	34.56 (+1.17)	67.4	+0.5
<i>Huntington</i>	1.35	-1.81	28.56 (-6.98)	70.0	+1.3
<i>Pittsburgh</i>	1.83	-1.47	25.38 (-5.79)	67.6	+2.7

Pittsburgh Forecast:

Wednesday



Sunny

High: 83 °F

Wednesday Night



Mostly Clear

Low: 60 °F

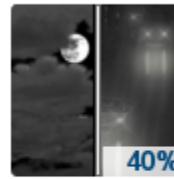
Thursday



Partly Sunny

High: 81 °F

Thursday Night



Mostly Cloudy
then Chance
Rain

Low: 61 °F

Friday



Rain Likely

High: 69 °F

OUTLOOK

This week: High pressure will keep the region dry until a cold front passage late Thursday/Friday. Temperatures will be above normal until this passage, followed by cooler than average temperatures for the weekend. Scattered showers are possible over the weekend.

Week of October 9th: Dry conditions and below average temperatures forecast through the week.

Week of October 16th: Temperatures near normal with below average precipitation.

Week of October 23rd: Temperatures near or slightly below normal with precipitation near normal.

Week of October 30th: Temperatures near normal with near normal precipitation.

Outlook for November: Temperatures slightly above average with near normal precipitation.

Winter Outlook: El Nino conditions likely to continue into the winter months. A strong El Nino generally means dry and warm conditions with less than average snowfall. (See images below). Official forecast will be out in November.

HIGH WATER POTENTIAL

Streamflows are running near normal across the region. On average, we will need 2.00-3.00 inches in 12 hours to get streams near bankfull.

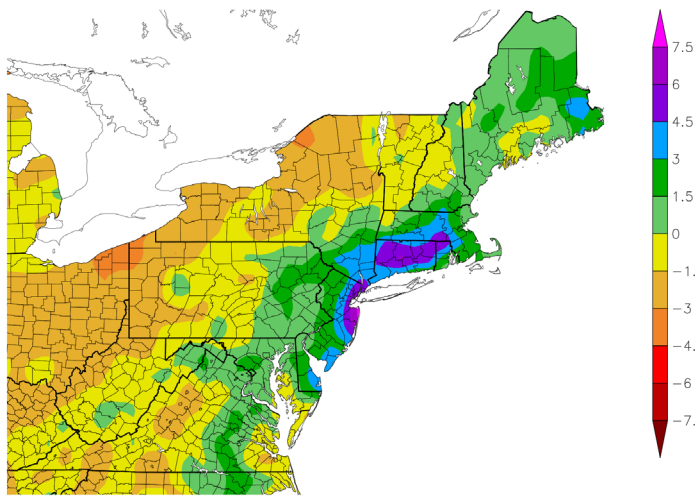
Average Yearly precipitation Pittsburgh: 39.61 inches. In 2023: 25.38 (-5.79)

Totals for: 2022: 42.58" (+2.97); 2021: 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"

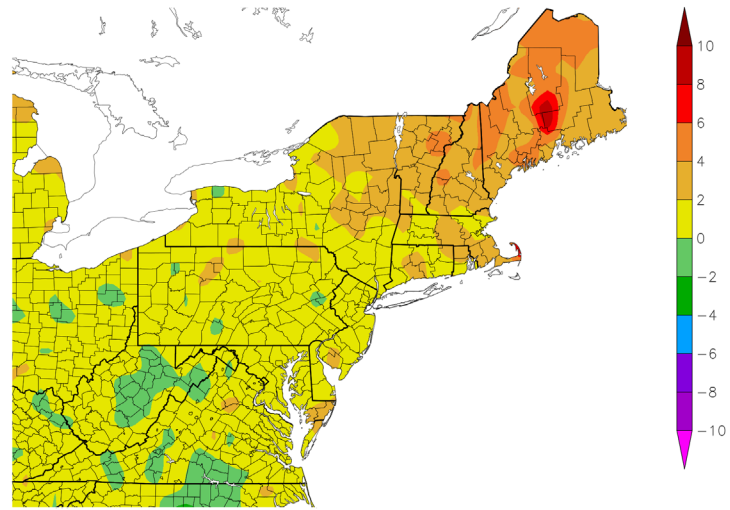
Average snowfall Pittsburgh (Nov- Apr): 44.1 inches. In 2022-23: 17.6 (-26.5); 2021-22: 44.8" (+0.7); 2020-21:

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 Precipitation (in)
9/1/2023 – 9/30/2023



Departure from Normal Temperature (F)
9/1/2023 – 9/30/2023

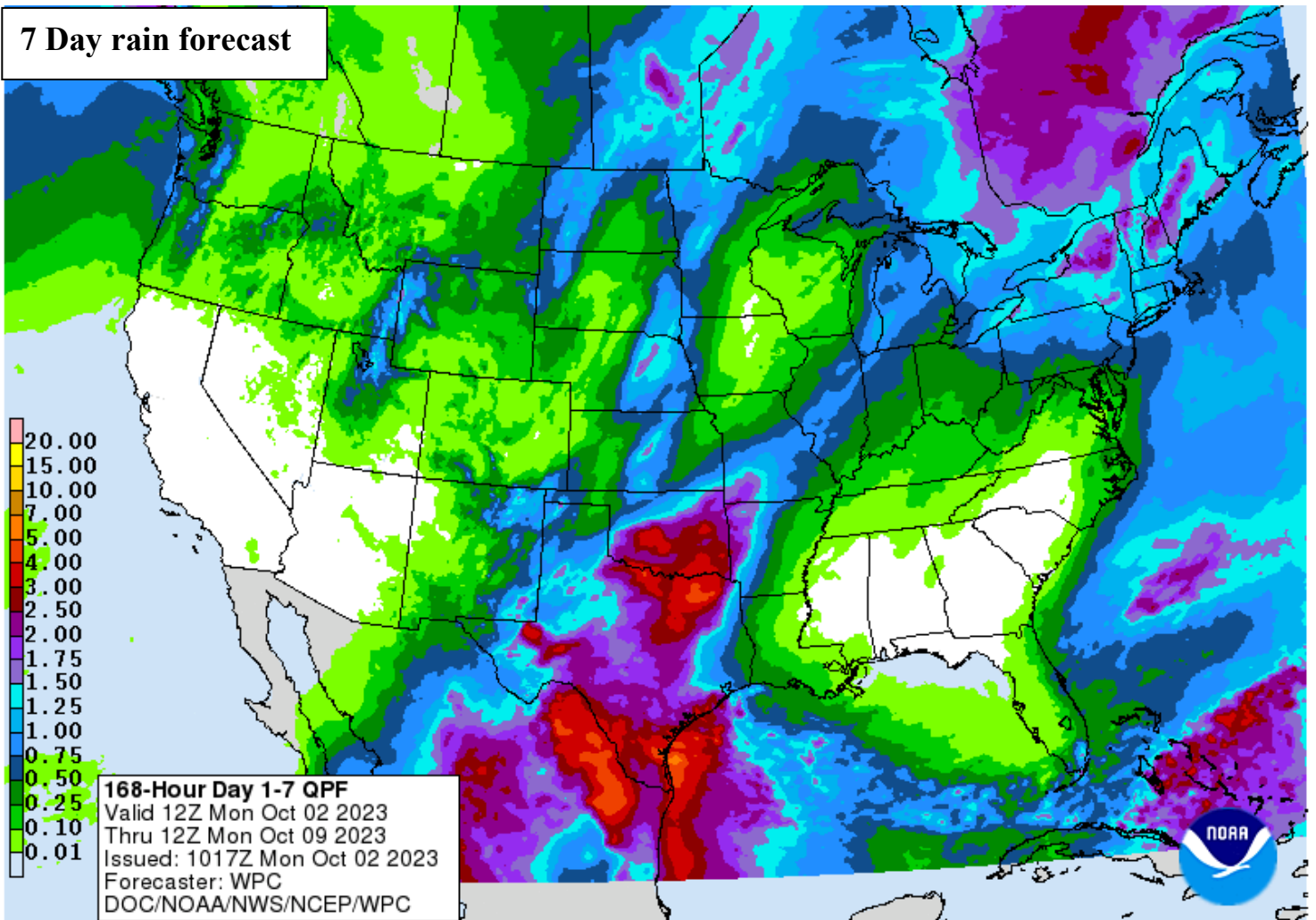


Generated 10/1/2023 at HPRCC using provisional data.

NOAA Regional Climate Center Generated 10/1/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

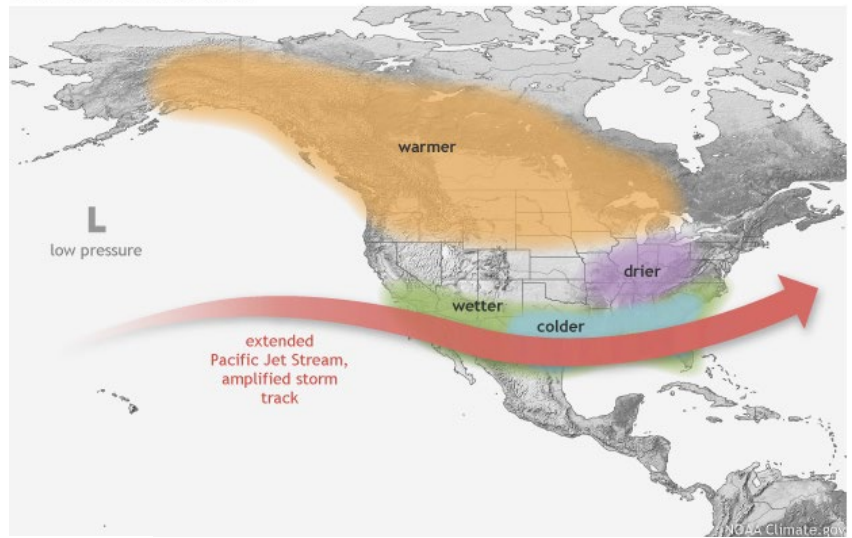
7 Day rain forecast



168-Hour Day 1-7 QPF
Valid 12Z Mon Oct 02 2023
Thru 12Z Mon Oct 09 2023
Issued: 1017Z Mon Oct 02 2023
Forecaster: WPC
DOC/NOAA/NWS/NCEP/WPC

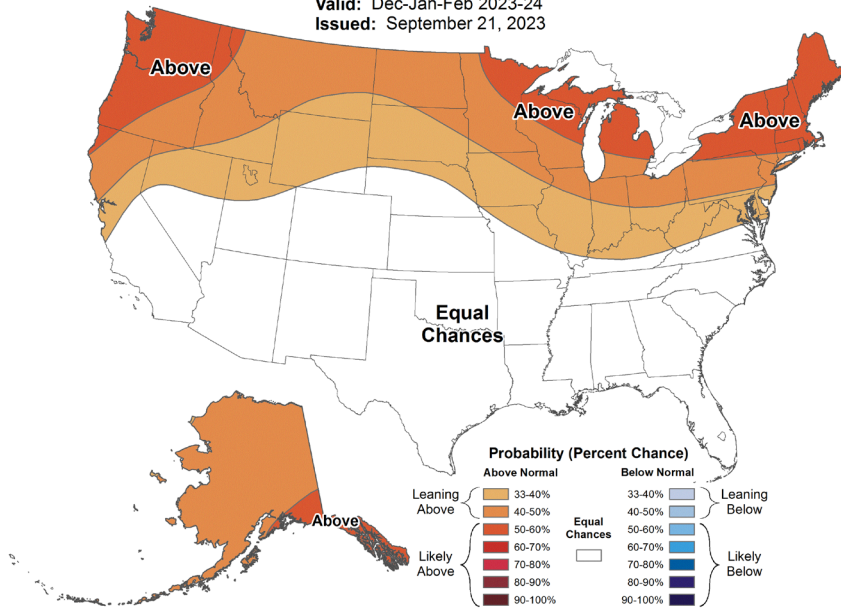
Preliminary Winter Outlook – El Nino to last through the winter months leading to warm and dry conditions to the upper Ohio Valley.

WINTER EL NIÑO PATTERN



Seasonal Temperature Outlook

Valid: Dec-Jan-Feb 2023-24
 Issued: September 21, 2023



Seasonal Precipitation Outlook

Valid: Dec-Jan-Feb 2023-24
 Issued: September 21, 2023

