



Drought Information Statement for Eastern Ohio, Northern West Virginia and Western Pennsylvania Valid November 21, 2024

Issued By: NWS Pittsburgh, PA

- This product will be updated no later than December 5, 2024
 - Please see all currently available products at <https://drought.gov/drought-information-statements>.
 - Please visit <https://www.weather.gov/pbz/DroughtInformationStatement> for previous statements.
-
- Drought watch remains in effect for several counties in western PA.
 - Some modest improvement across portions of OH, WV, and PA





U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for eastern Ohio, northern West Virginia, and western Pennsylvania

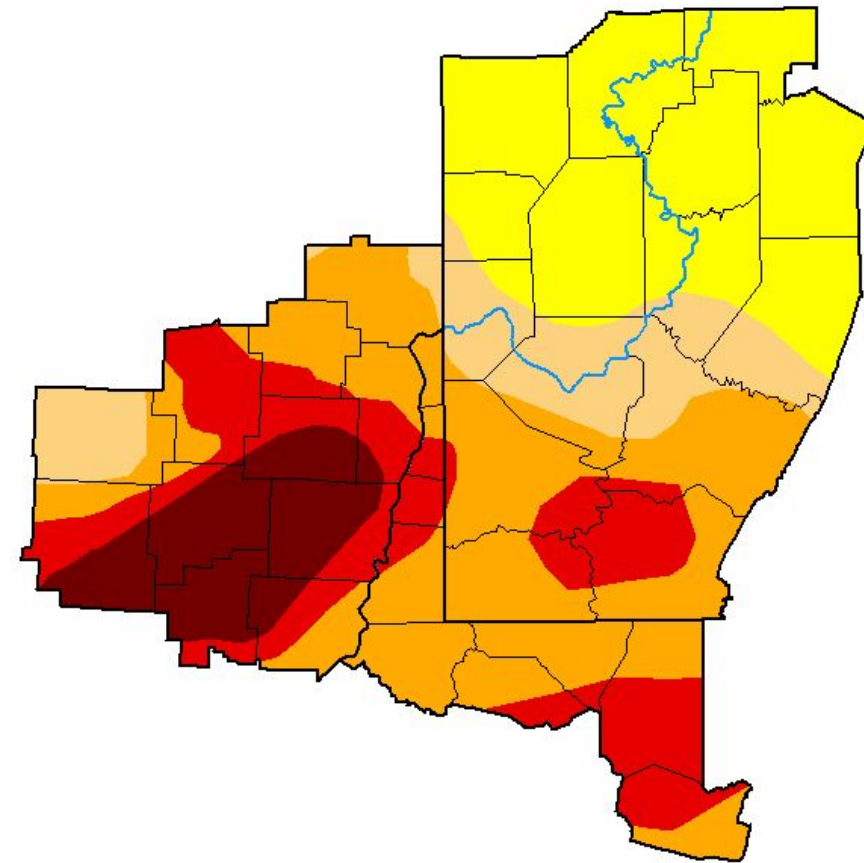
- Drought intensity and Extent
 - **D4 (Exceptional Drought)**: Portions of Muskingum, Noble, Guernsey, Jefferson, Harrison, Belmont, and Monroe counties in OH.
 - **D3 (Extreme Drought)**: Tuscarawas, Carroll, Jefferson, Muskingum, Harrison, Guernsey, Belmont, and Monroe OH; the northern WV panhandle, Marion, Monongalia, Preston, and Tucker counties in WV, Washington, Greene, portions of Westmoreland and Fayette counties in PA.
 - **D2 (Severe Drought)**: Coshocton, Tuscarawas Jefferson, Carroll, Jefferson, Columbiana, and Muskingum OH; Hancock, Brooke, Preston, and eastern Tucker WV; and portions of Washington, Greene, Fayette, Westmoreland, and Allegheny counties in PA.
 - **D1 (Moderate Drought)**: Coshocton in OH; Beaver, Allegheny, Westmoreland, Lawrence, Armstrong, and Indiana in PA.
 - **D0: (Abnormally Dry)**: The rest of the region.

U.S. Drought Monitor Pittsburgh, PA WFO

November 19, 2024
(Released Thursday, Nov. 21, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|-------|--------|-------|-------|-------|-------|
| Current | 0.00 | 100.00 | 71.27 | 58.67 | 27.79 | 10.09 |
| Last Week 11-12-2024 | 1.85 | 98.15 | 71.88 | 61.68 | 33.17 | 10.30 |
| 3 Months Ago 08-20-2024 | 23.93 | 76.07 | 54.60 | 35.05 | 7.78 | 0.00 |
| Start of Calendar Year 01-02-2024 | 94.97 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start of Water Year 10-01-2024 | 10.17 | 89.83 | 69.02 | 48.43 | 28.75 | 10.30 |
| One Year Ago 11-21-2023 | 87.50 | 12.50 | 0.16 | 0.00 | 0.00 | 0.00 |



Intensity:



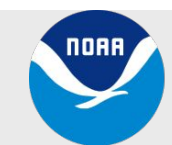
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

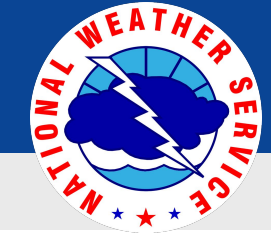
Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

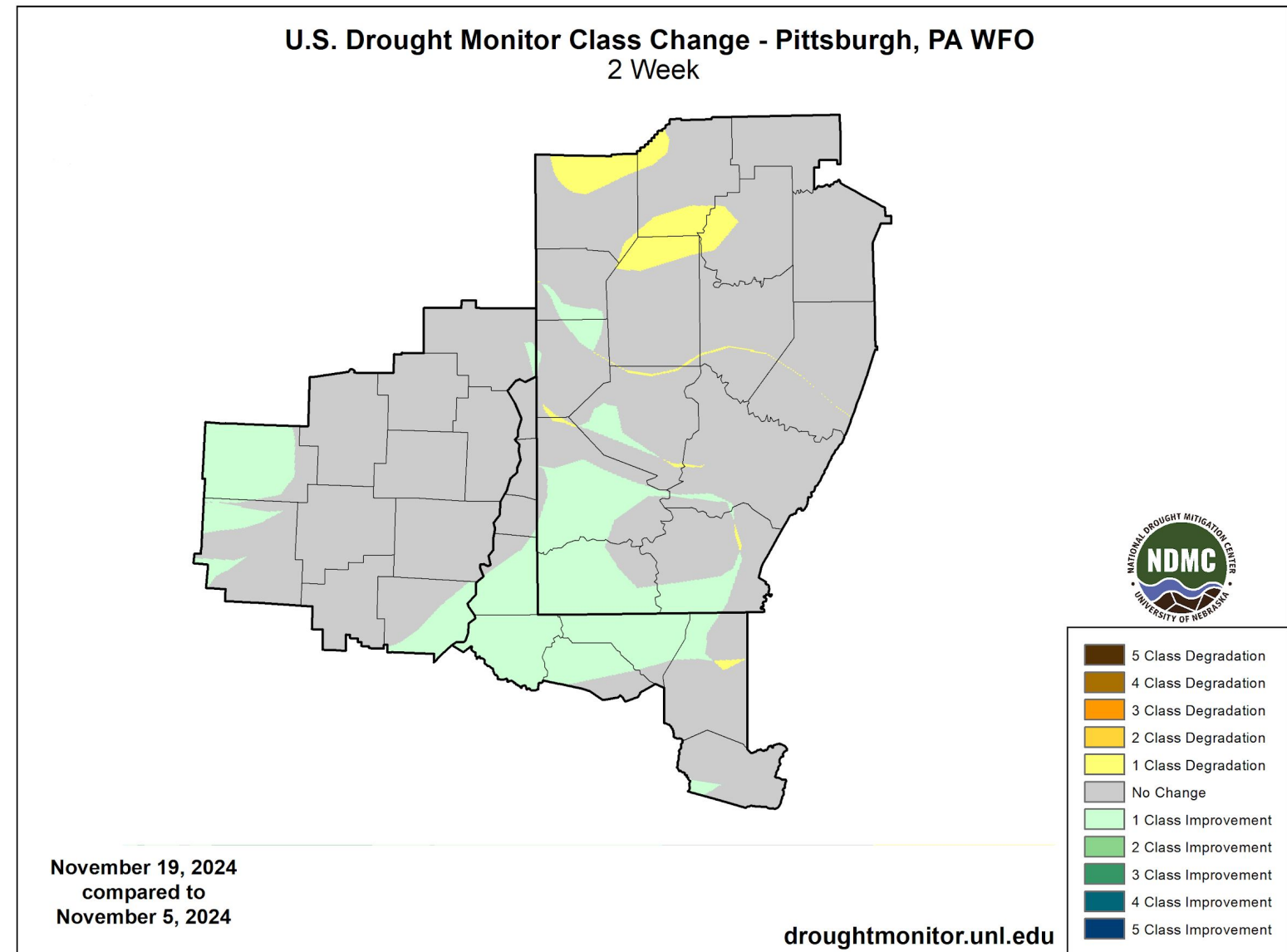




Recent Change in Drought Intensity

Link to the latest [2-week change map](#) for eastern Ohio, northern West Virginia, and western Pennsylvania

- Two Week Drought Monitor Class Change.
 - **Drought Worsened:** Some degradation to D0 across portions of NW PA.
 - **No Change:** much of eastern OH, the northern panhandle of WV, west-central PA.
 - **Drought Improved:** Portions of eastern OH, northern WV, and SW PA.

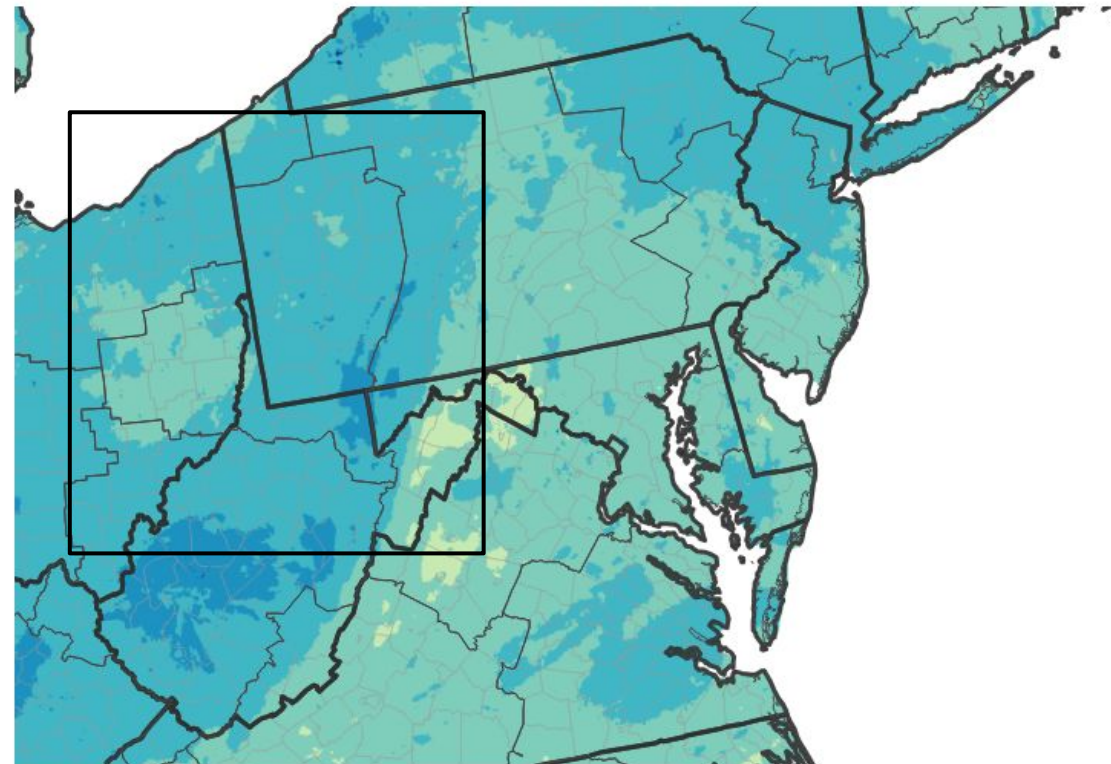




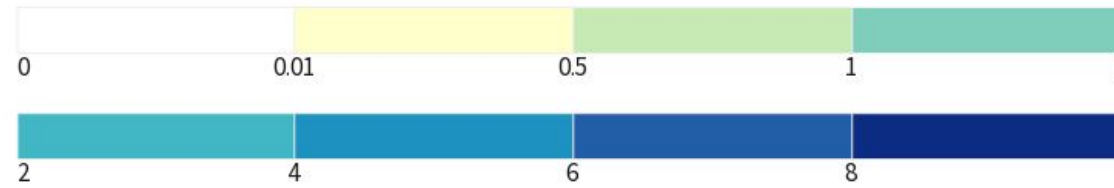
Precipitation

- In the last 7 days, the region has received 0.50 - 2.50 inches of precipitation (some of which was snow in the terrain)
- This has returned portions of SW PA to near normal precipitation through the last 30 days though there is still a lag over eastern Ohio, where precipitation is closer to 50% of normal.

30-Day Precipitation Accumulations (Inches)



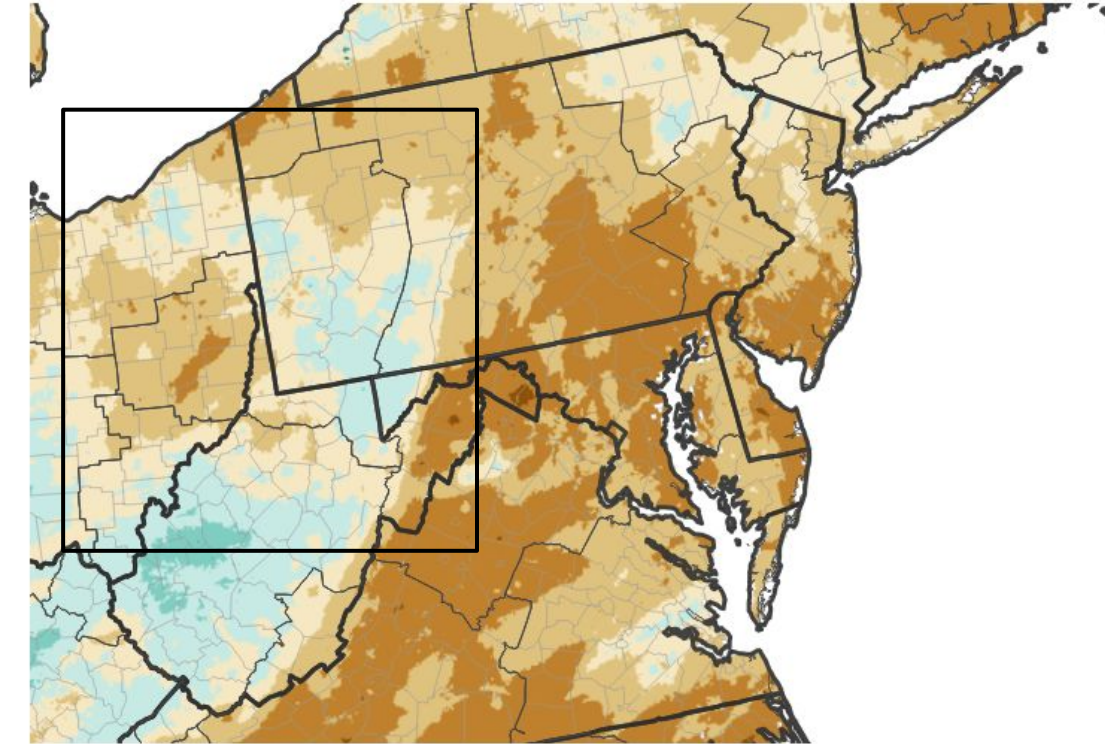
Inches of Precipitation



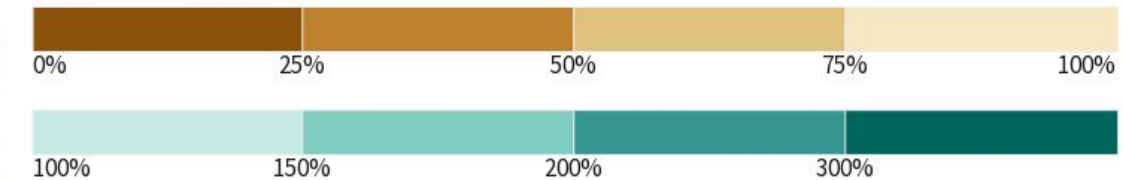
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 11/24/24

30-Day Percent of Normal Precipitation



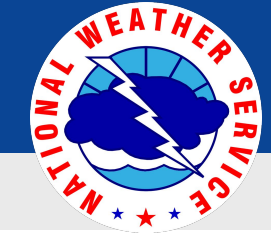
Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 11/24/24





Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- Streamflows are still running below normal across the upper Ohio Valley.
- Some private wells are low or completely dry.

Agricultural Impacts

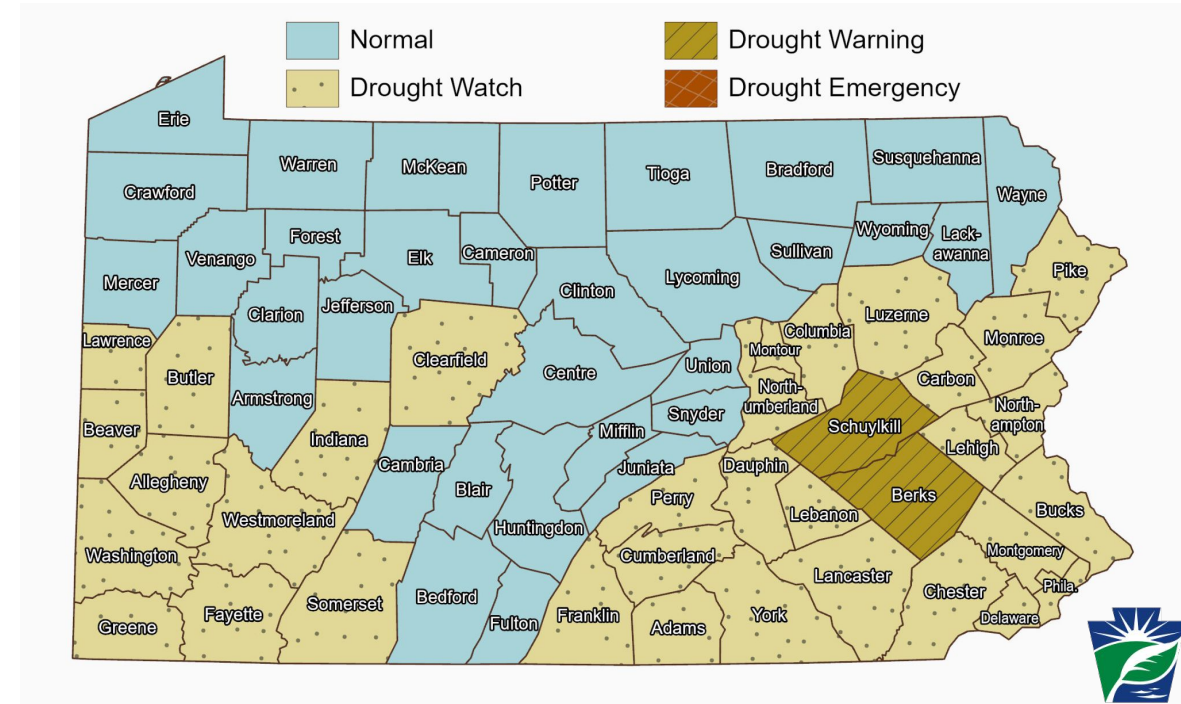
- Soil moisture is recovering but remains near 5% across eastern Ohio.
- Farmers are hauling water for livestock and supplemental feeding.
- There have been sales of livestock as a result of lack of feed and water.

Fire Hazard Impacts

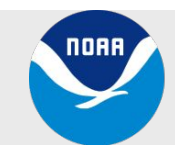
- Fire Risk is low.

Mitigation Actions

- Some voluntary and mandatory water restrictions have been put in place.
- A Drought Watch has been issued by the PA DEP for several counties.



Drought Watch/Warning Map for PA from PA DEP 11/1/2024





Hydrologic Conditions and Impacts

- Streamflows are running below normal across the upper Allegheny, lower Monongahela, upper Ohio and the Muskingum River basins despite recent rainfall.
- Groundwater wells remain below normal in PA and northern WV, though there has been some improvement.
- Reservoirs are beginning to see a response to the recent precipitation, with some improvement in those locations that are well below winter pool.

Sunday, November 24, 2024

| Explanation - Percentile classes | | | | | | | |
|----------------------------------|-------------------|--------------|--------|--------------|-------------------|------|---------|
| | | | | | | | |
| Low | <10 | 10-24 | 25-75 | 76-90 | >90 | High | No Data |
| | Much below normal | Below normal | Normal | Above normal | Much above normal | | |

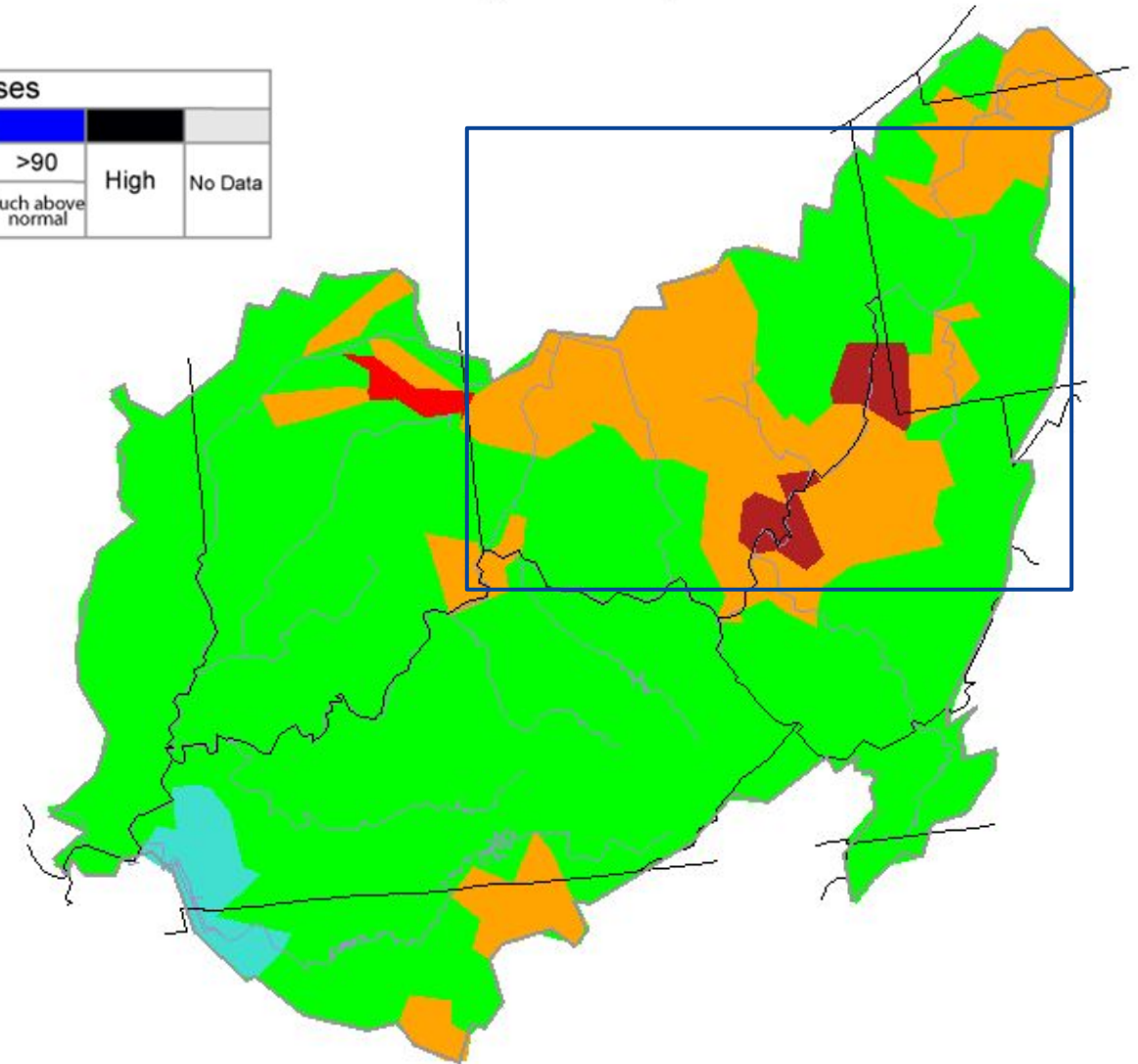
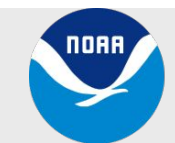
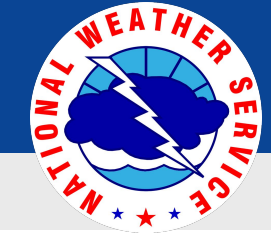


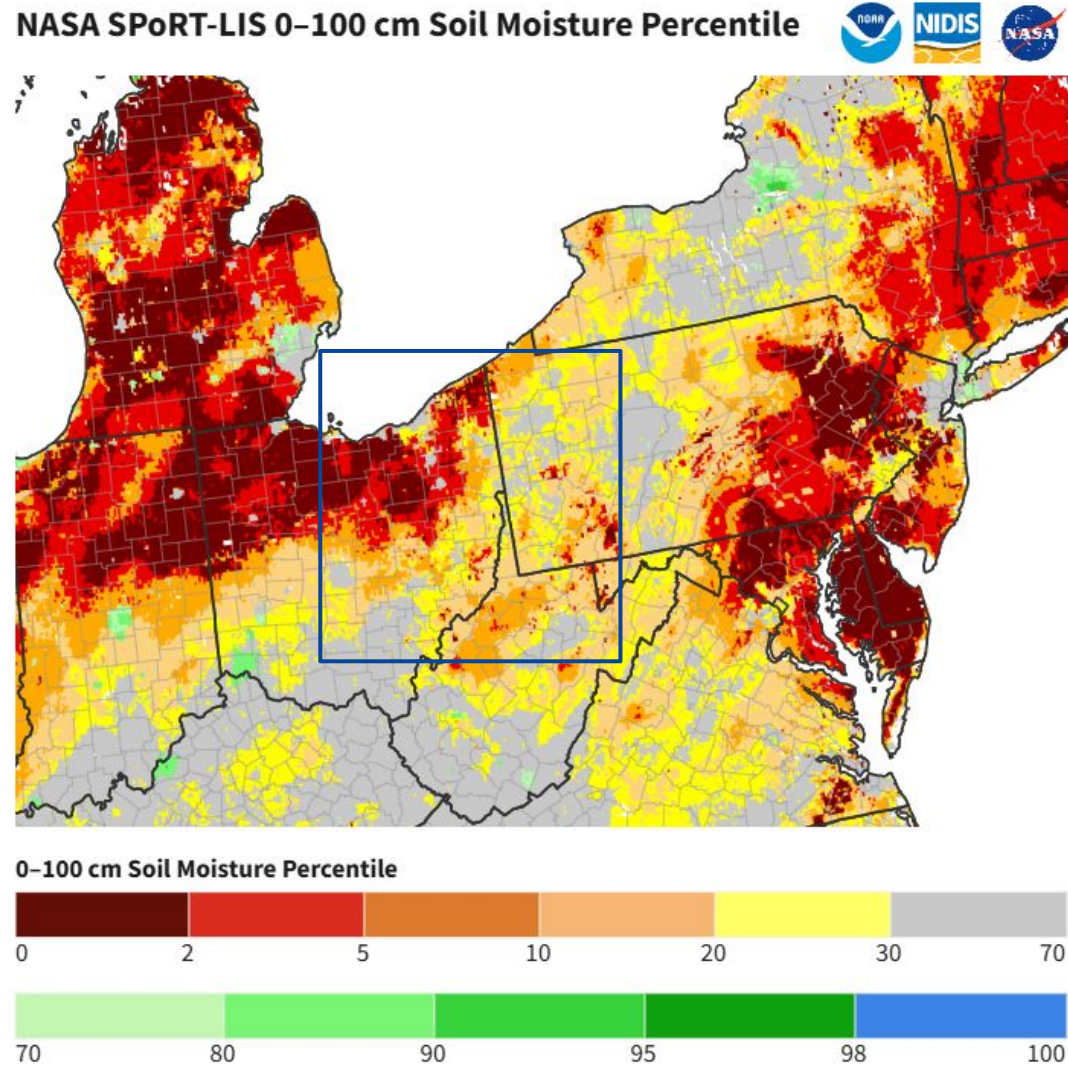
Image Caption: USGS 7 day average streamflow HUC map valid 11/24/2024



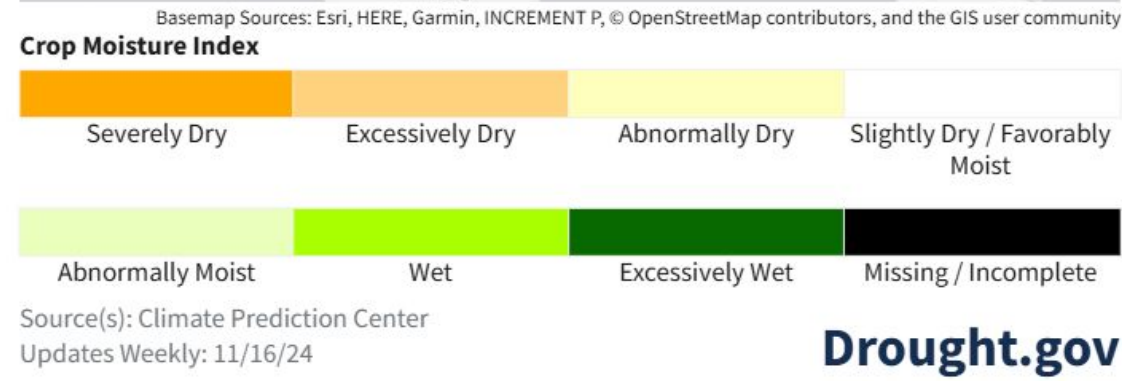
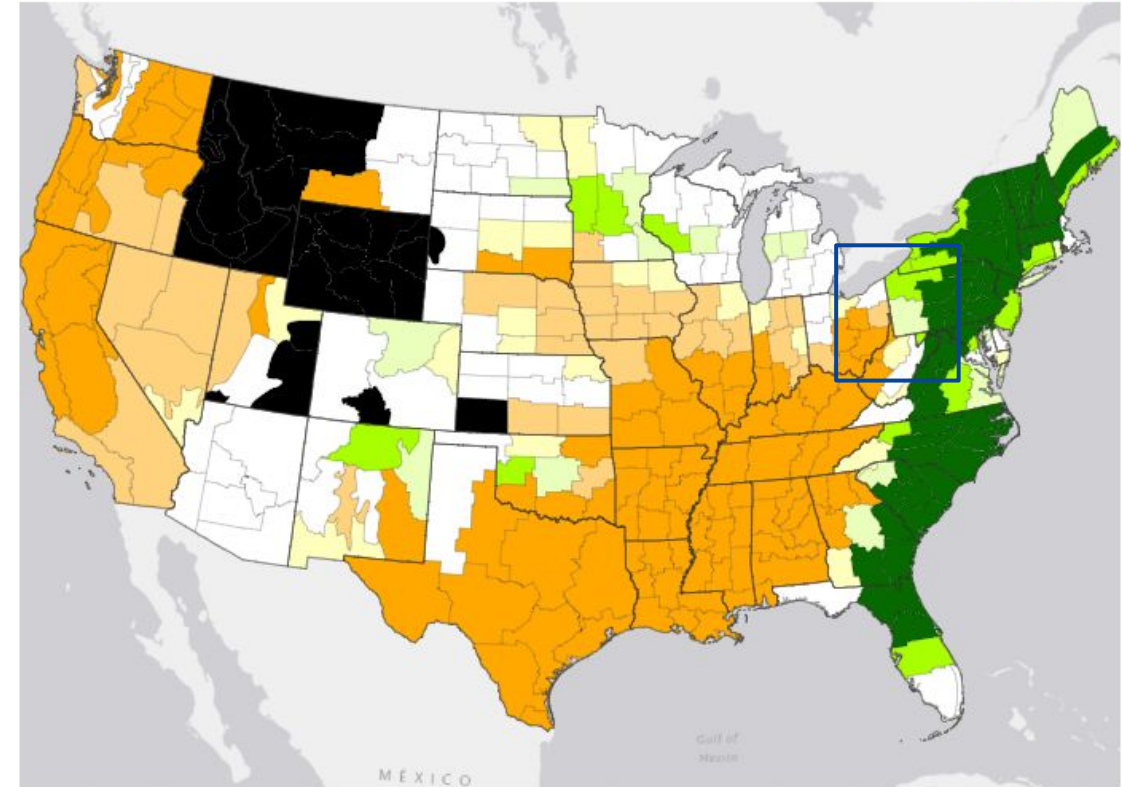


Agricultural Impacts

- Soil moisture remains below normal portions of Ohio, but is slowly improving.
- Supplemental feeding of livestock
 - Reports of livestock being sold due to lack of feed/water



Crop Moisture Index



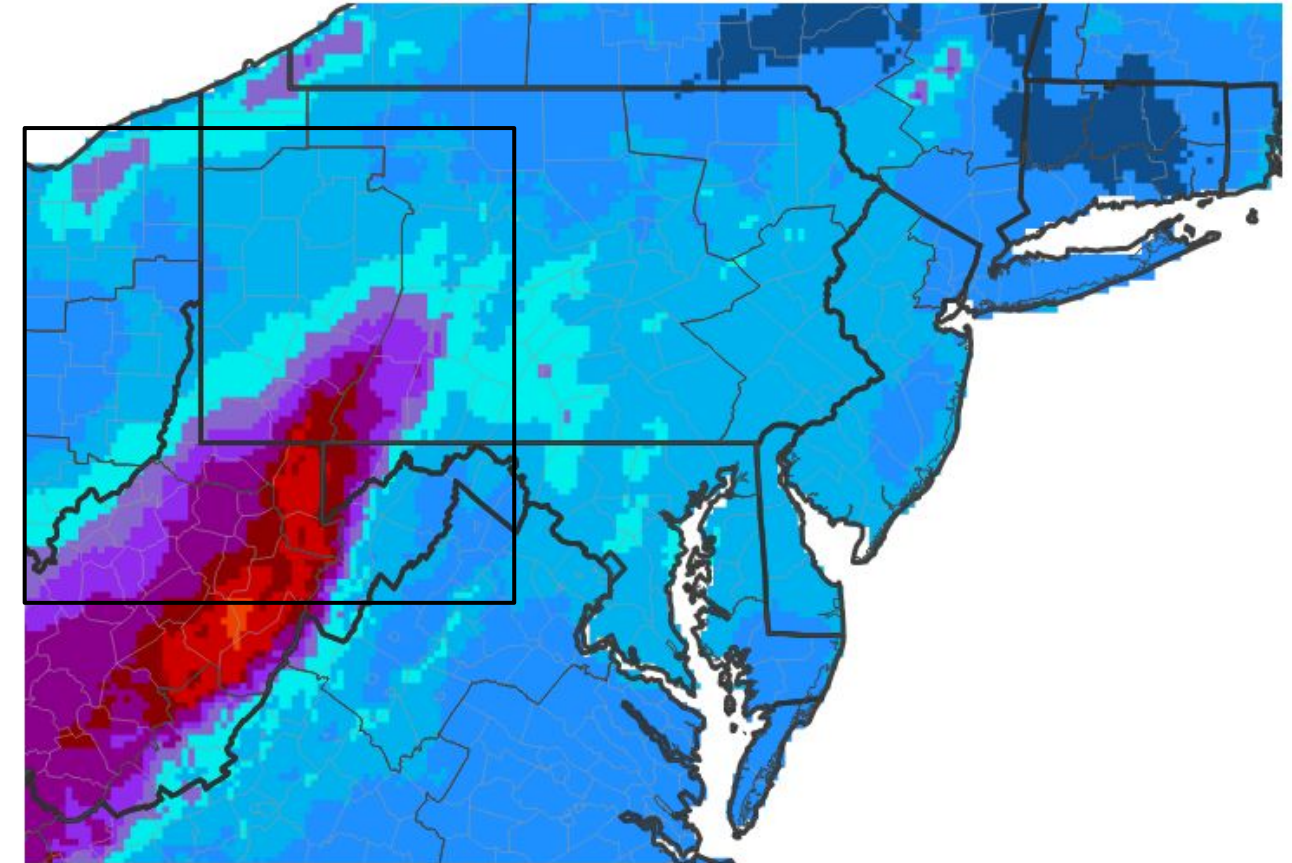
Drought.gov



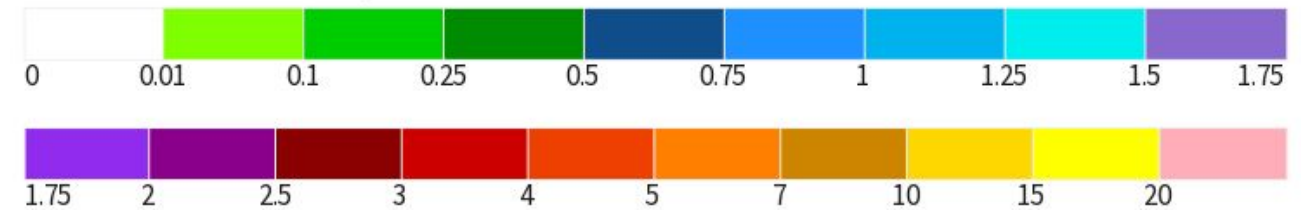
Seven Day Precipitation Forecast

- Active weather pattern in place through the next week will keep chances of rain and snow in the forecast.

7-Day Quantitative Precipitation Forecast for November 22, 2024–November 29, 2024



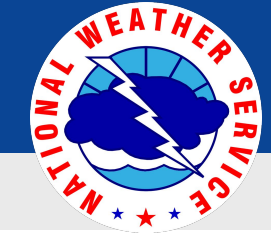
Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

Last Updated: 11/22/24

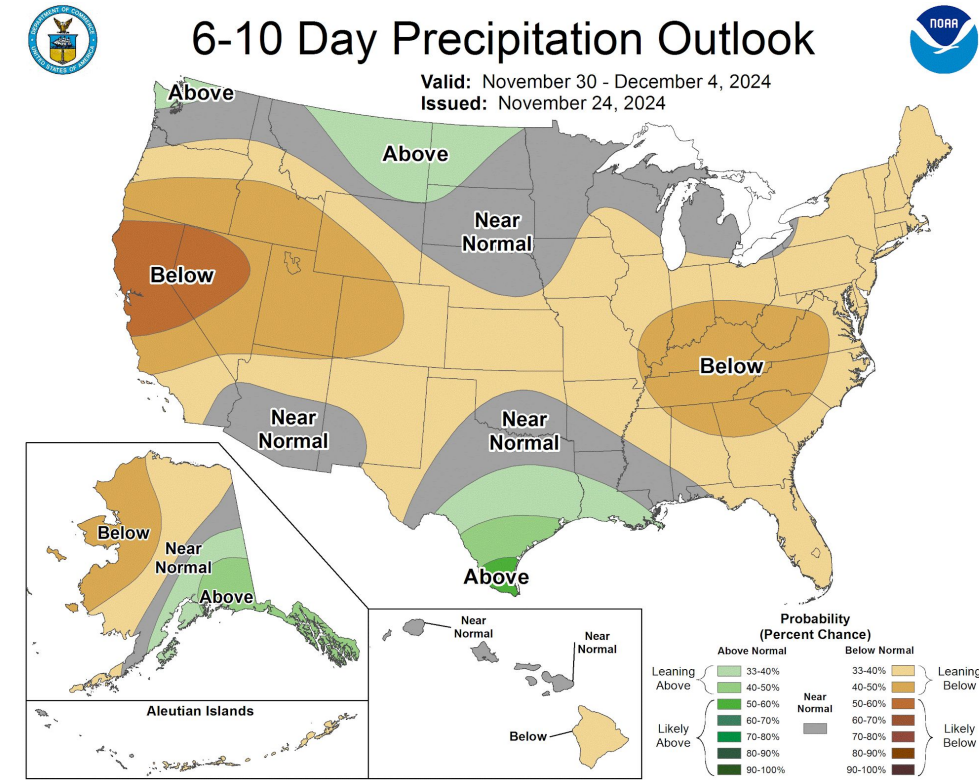
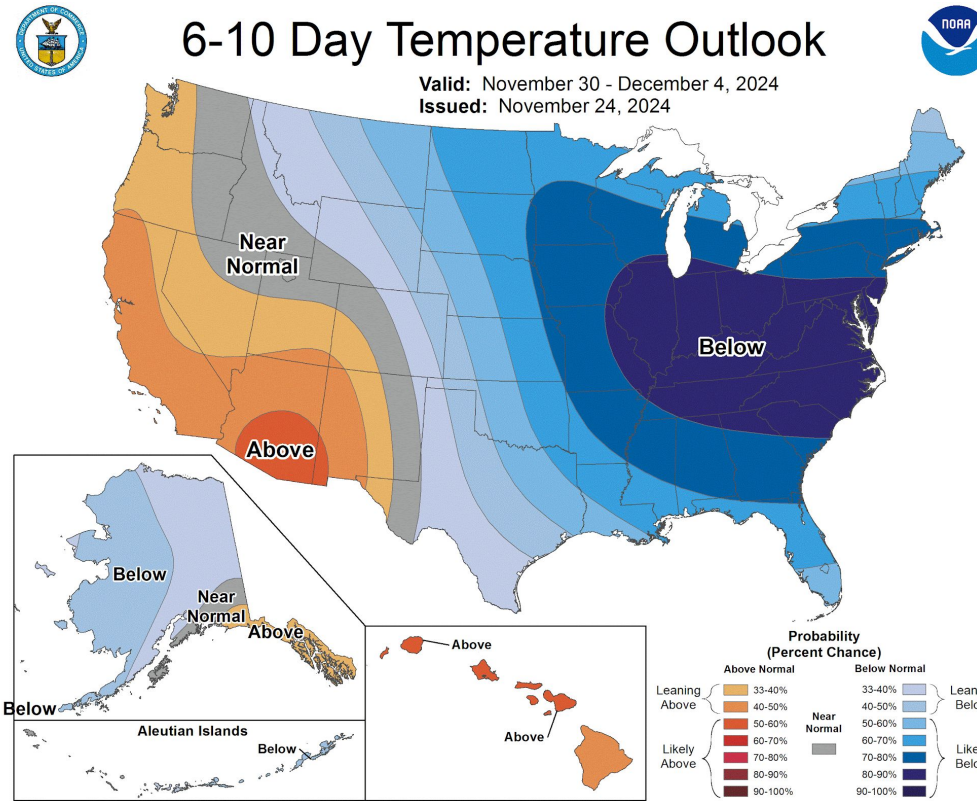




Long-Range Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Latest 6-10 day outlook calls for temperatures well below normal and below average precipitation.

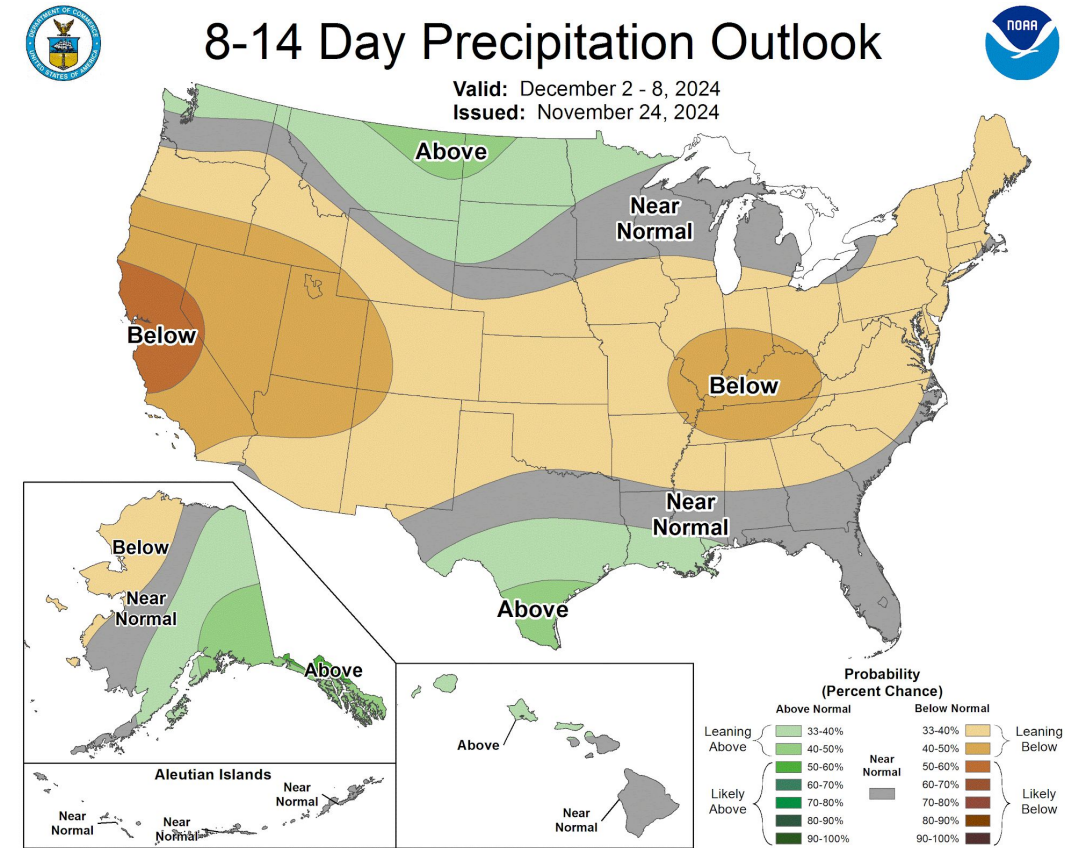
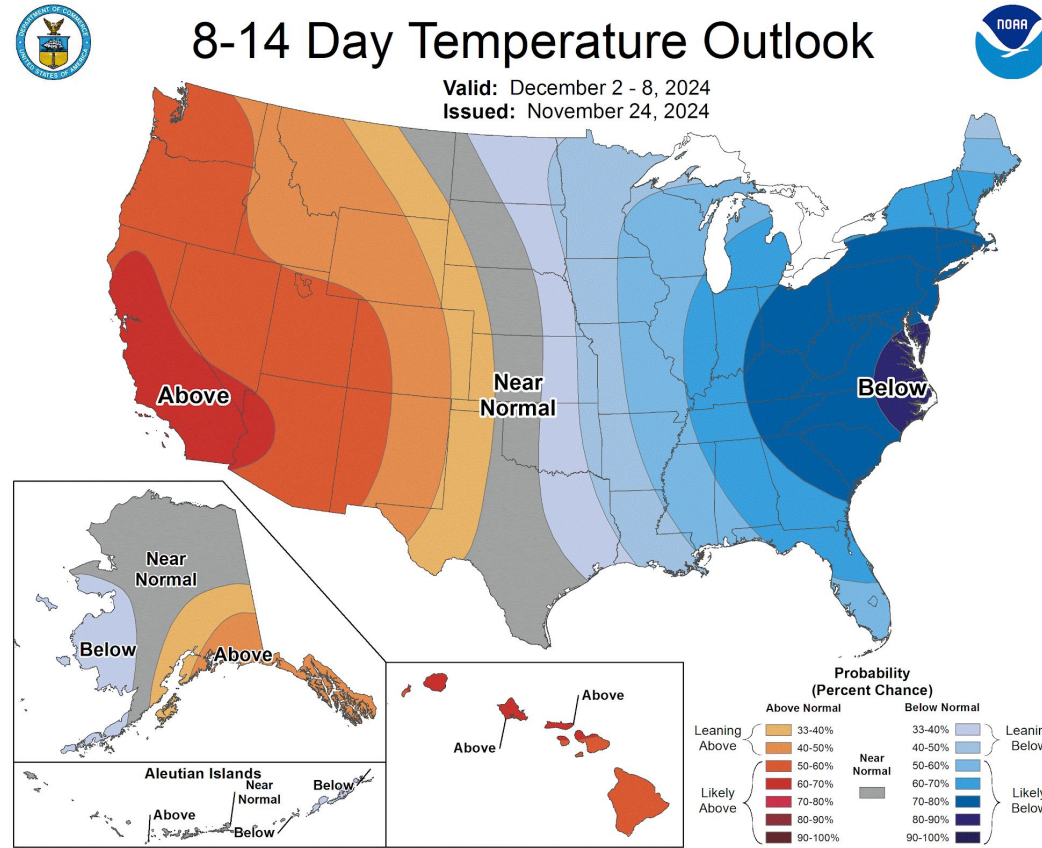


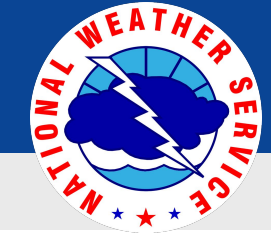


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- 8-14 day also highlights below normal temperatures and precipitation.

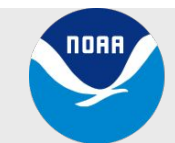
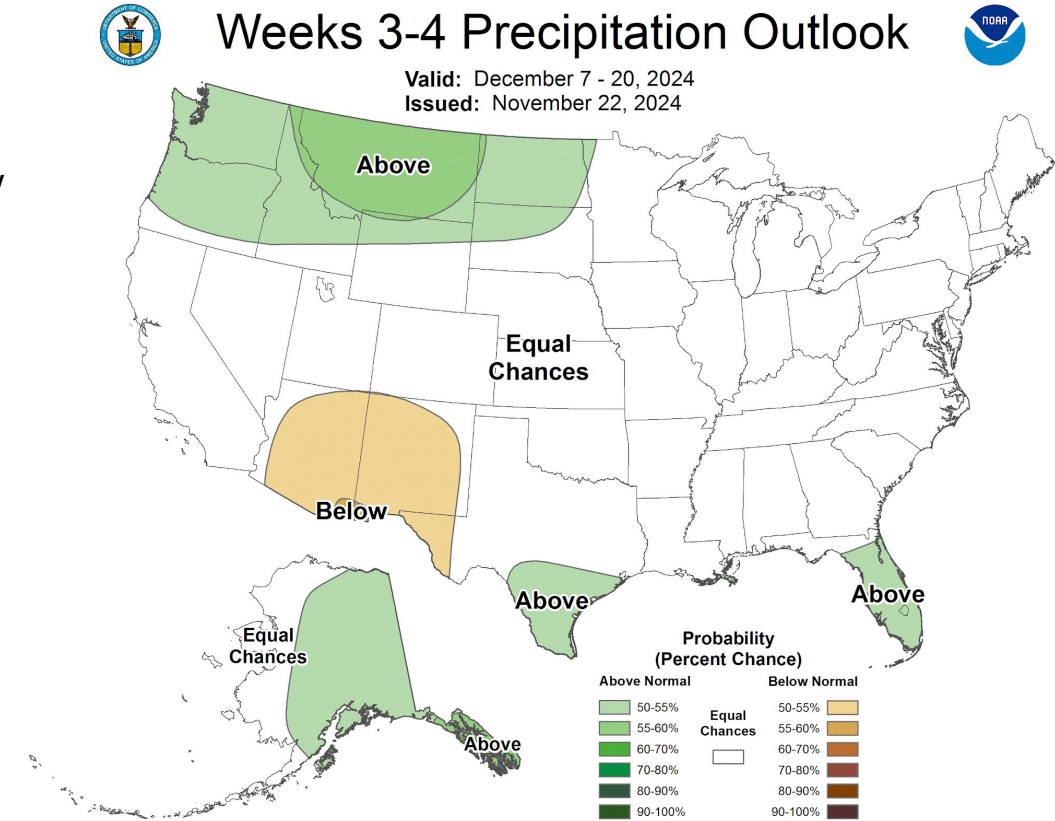
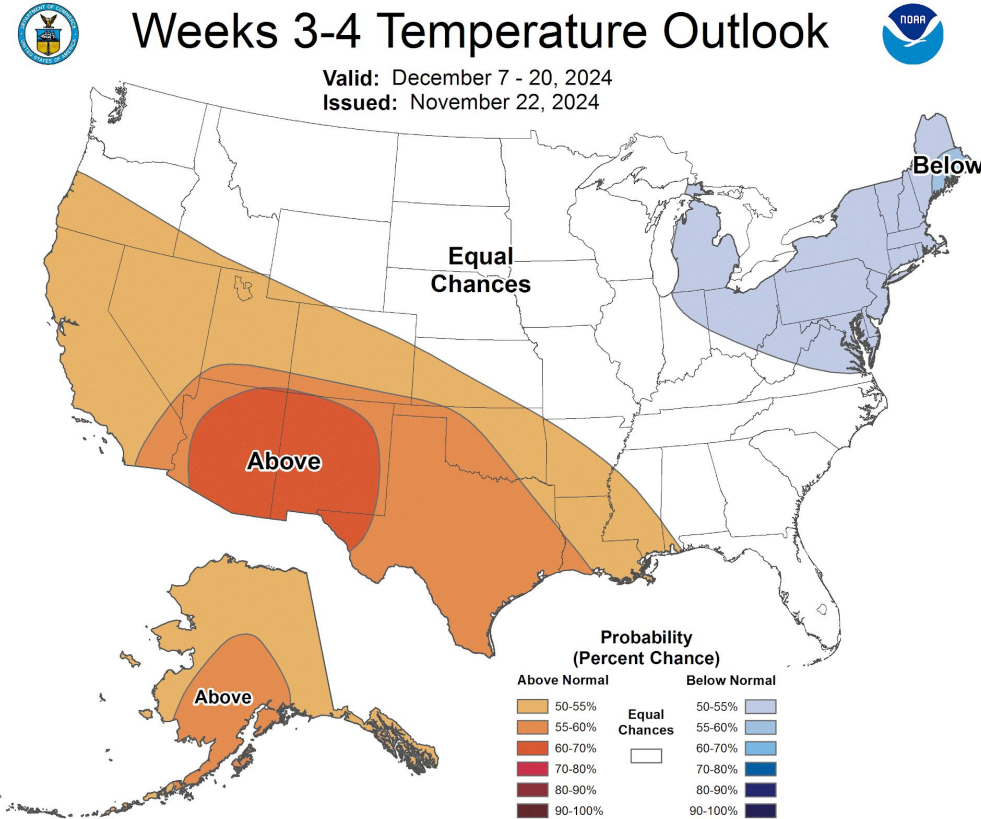




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- The weeks 3-4 outlook suggests the potential for below temperatures to continue and equal chances of above/below normal precipitation.



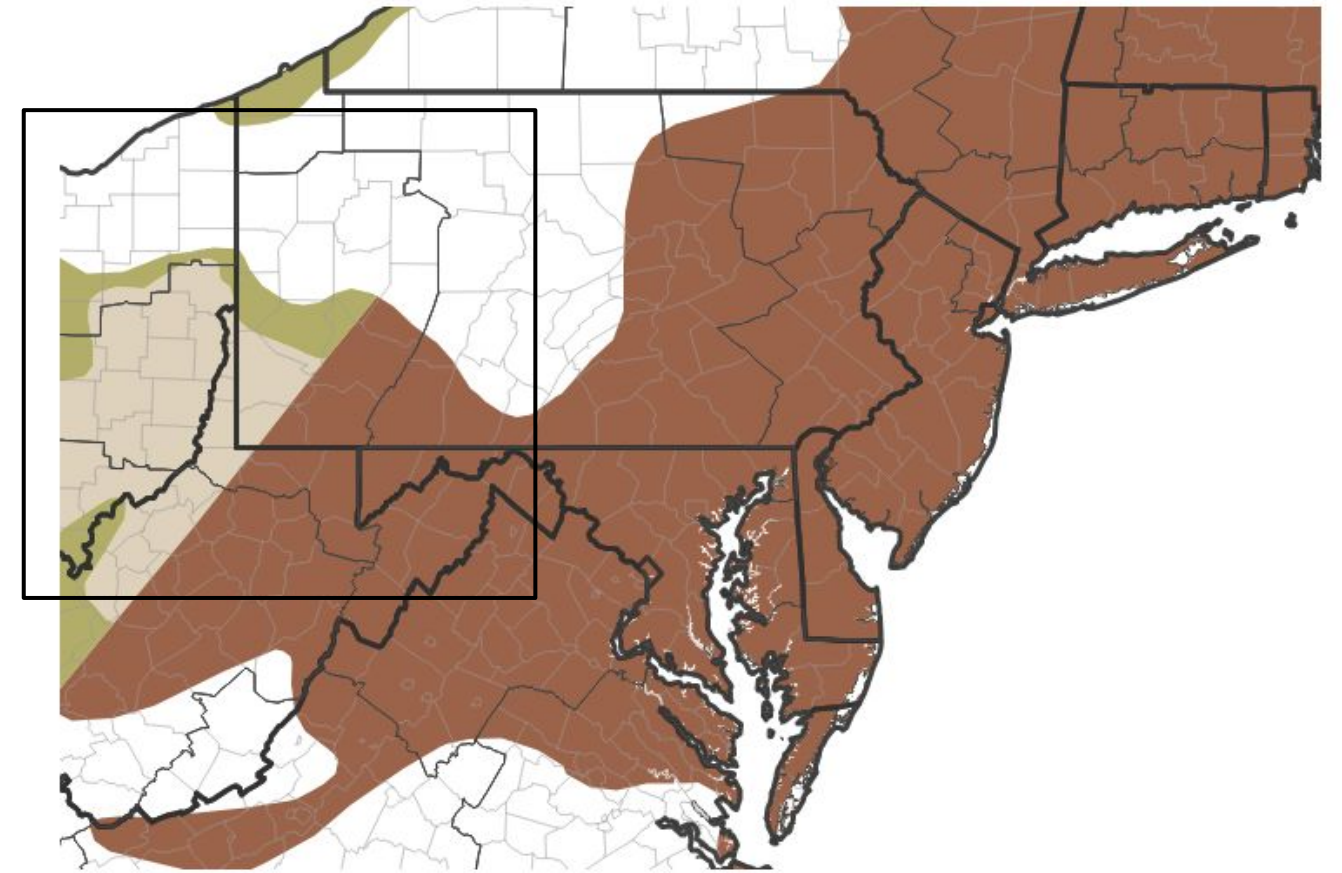


Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The newest seasonal drought outlook suggests that there could be some slight improvement to drought conditions in the next three months.
- However, it will take more than normal rainfall for much of Ohio and West Virginia to recover.

Seasonal (3-Month) Drought Outlook for November 21, 2024–February 28, 2025



Drought Is Predicted To...



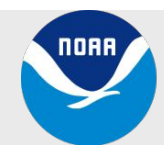
Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 11/21/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



National Oceanic and Atmospheric Administration

U.S. Department of Commerce

National Weather Service
Pittsburgh, PA