



# Drought Information Statement for the Philadelphia/Mt. Holly Hydrologic Service Area

Valid November 8, 2024

Issued By: NWS Philadelphia/Mt. Holly

Contact Information: [wfphi.webmaster@noaa.gov](mailto:wfphi.webmaster@noaa.gov)

- This product will be updated December 1, 2024 or sooner if drought conditions change significantly.
  - Please see all currently available products at <https://drought.gov/drought-information-statements>.
  - Please visit <https://www.weather.gov/phi/DroughtInformationStatement> for previous statements.
- 
- The state of New Jersey has issued a Drought Watch for the entire state.
  - The state of Maryland has issued a Drought Watch for the Eastern Shore.
  - The state of Delaware has issued a Drought Watch for the entire state.
  - The state of Pennsylvania has issued a Drought Watch for east-central and southeast portions of the state and a Drought Warning for Berks county.



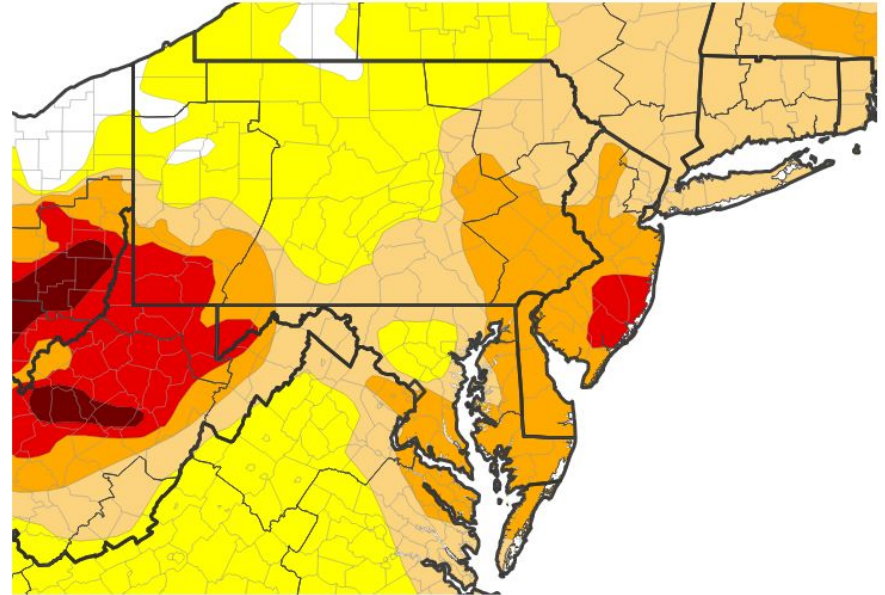


# U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the Philadelphia/Mt Holly Forecast Area

- Drought intensity and Extent
  - **D4 (Exceptional Drought)**: No Exceptional Drought exists across the Hydrologic Service Area (HSA).
  - **D3 (Extreme Drought)**: Extreme Drought exists across portions of New Jersey.
  - **D2 (Severe Drought)**: Severe Drought exists across portions of New Jersey, Pennsylvania, and the Delmarva.
  - **D1 (Moderate Drought)**: The entire forecast area is at least in Moderate Drought.
  - **D0: (Abnormally Dry)**: The entire forecast area is at least considered Abnormally Dry.

## U.S. Drought Monitor



## U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 11/05/24



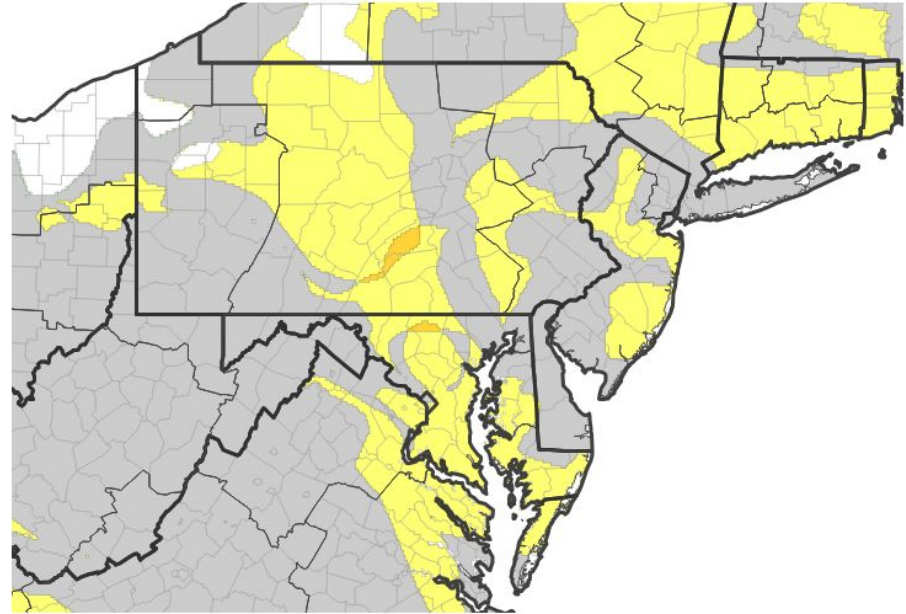


# Recent Change in Drought Intensity

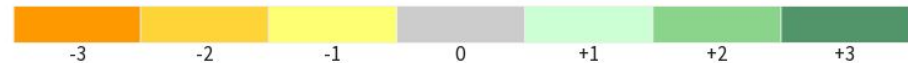
Link to the latest [4-week change map](#) for Philadelphia/Mt Holly Forecast Area

- A Four Week change map can be accessed from the link above.
- One Week Drought Monitor Class Change...
  - Drought Worsened: Across portions of east-central and southeastern Pennsylvania, New Jersey, and the Delmarva.
  - No Change: If drought didn't worsen, conditions remained the same across portions of east-central and southeastern Pennsylvania, New Jersey, and the Delmarva.
  - Drought Improved: No improvement was observed.

## U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 11/05/24



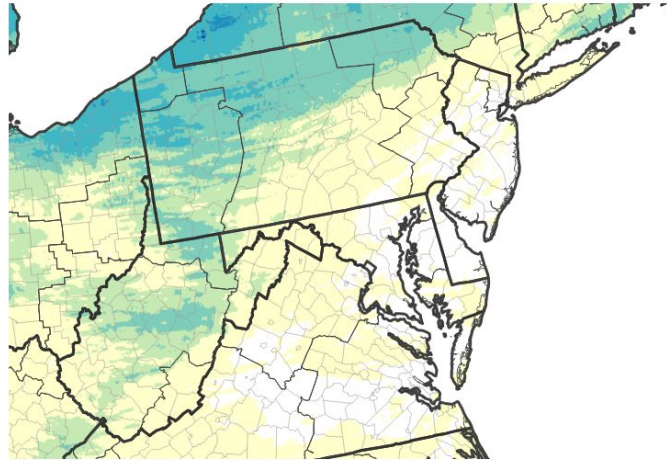


# Precipitation

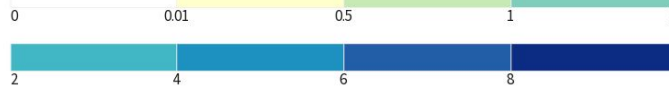
Last 30 Days

- The entire HSA has seen rainfall deficits over the last 30 days.

30-Day Precipitation Accumulations (Inches)



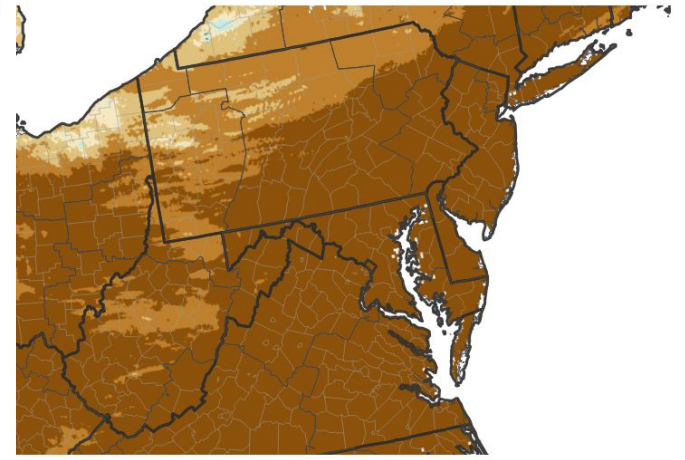
Inches of Precipitation



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

Last Updated: 11/07/24

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: 11/07/24

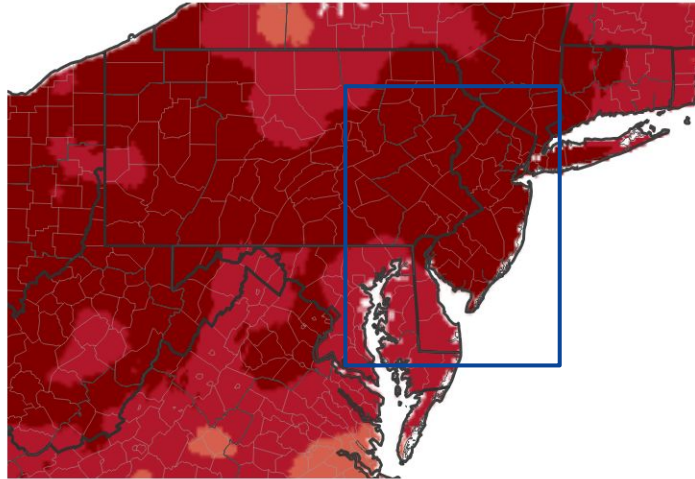




# Temperature

- The entire region has seen above normal temperatures the last 7 days.
- Over the last 30 days, temperatures have also been above normal.

7-Day Temperature Anomaly



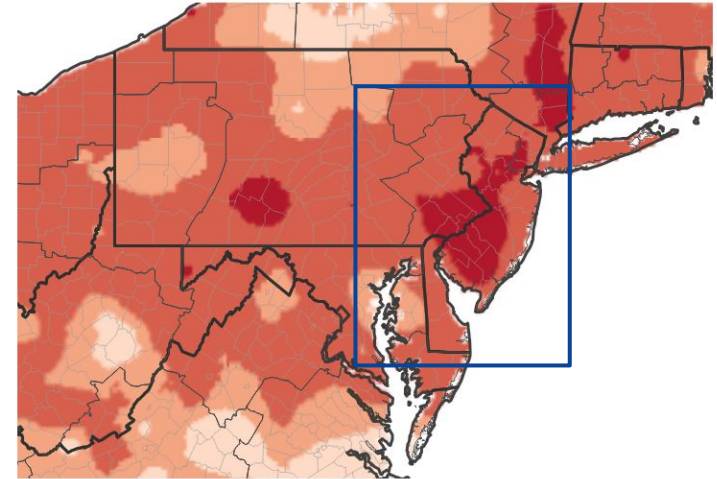
Departure from Normal Max Temperature (°F)



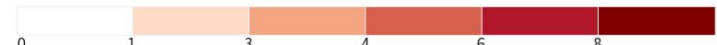
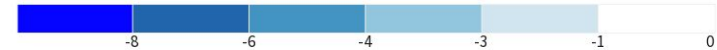
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 11/03/24

30-Day Temperature Anomaly



Departure from Normal Max Temperature (°F)



Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 11/03/24





# Summary of Impacts

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

## Hydrologic Impacts

- Seven-day average streamflow conditions, ending 11/7, were mainly below normal.
- See the next slide for more details.

## Agricultural Impacts

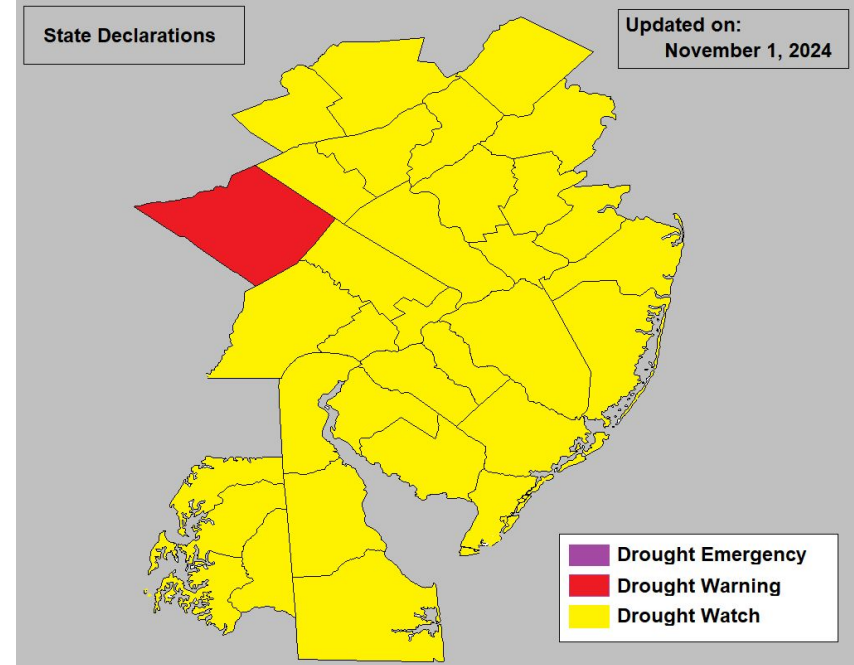
- Soil moisture was running below normal.
- See slide 8 for more details.

## Other Impacts

- Per state DEPs, most reservoir pools across the HSA were either normal or slightly below.
- Per the Delaware River Basin Commission, and as of November 4th, the salt front in the Delaware River Estuary was estimated at river mile 86.3. The normal location for this time of year is river mile marker 70. This means the salt line was further upstream compared to normal.

## Mitigation Actions

- Per the state of New Jersey, a Drought Watch has been issued for the entire state.
- Per the state of Maryland, a Drought Watch has been issued for the Eastern Shore.
- Per the state of Delaware, a Drought Watch has been issued for the entire state.
- Per the state of Pennsylvania, a Drought Watch has been issued for the East-Central and Southeast portions of the state. A Drought Warning has been issued for Berks county.



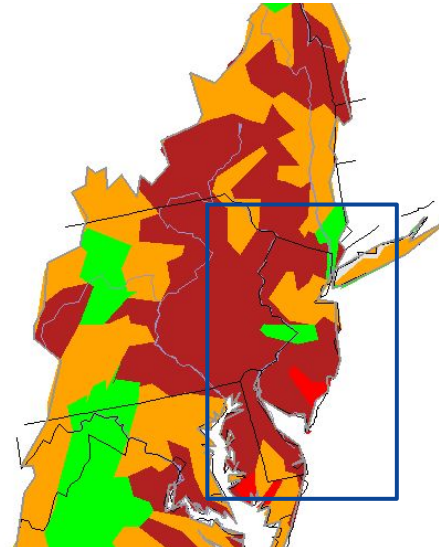
Keep in mind, the National Weather Service does not declare Drought Watches or Warnings.





# Hydrologic Conditions and Impacts

- With the lack of recent rain, the seven-day average streamflow conditions, ending 11/7, were mainly below normal.



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: HUC map [USGS 7 day streamflow for the Mid-Atlantic](#) valid November 7, 2024

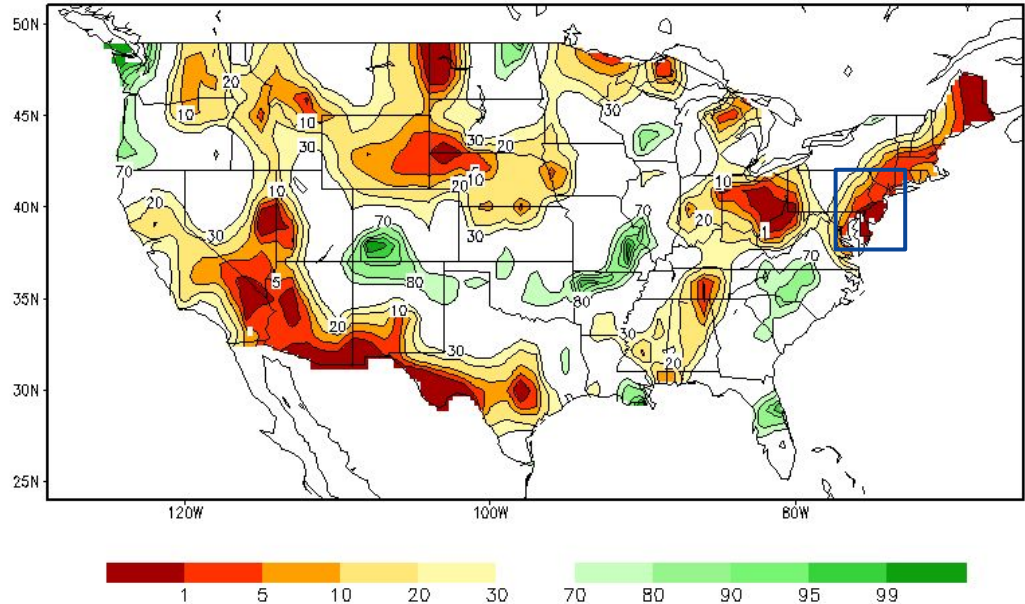




# Agricultural Impacts

- Soil moisture was running below normal across the HSA.

Calculated Soil Moisture Ranking Percentile  
NOV 07, 2024



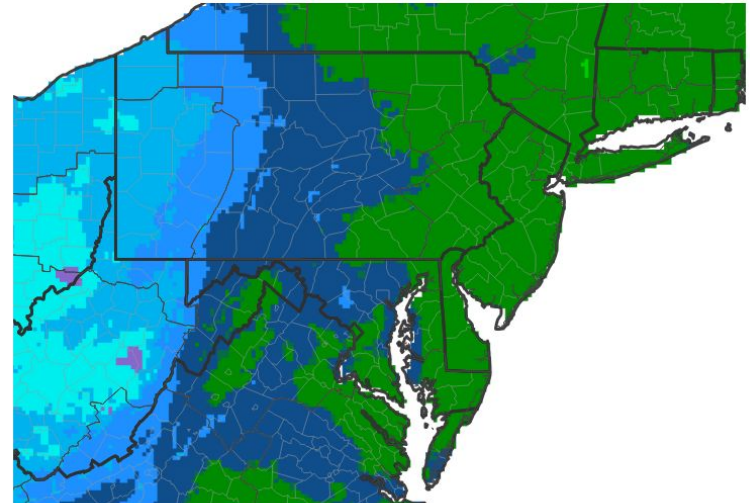




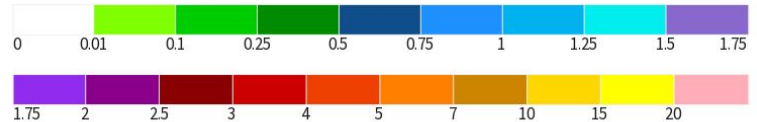
# Seven Day Precipitation Forecast

- A dry cold front will move through late today or this evening. High pressure will build on Saturday before shifting offshore on Sunday. A warm front will lift into or north of our area later on Sunday. A cold front will then cross our region on Monday. High pressure will build in for Tuesday into Wednesday, followed by a warm front and cold front approaching on Thursday.
- The 8 to 14 day outlook calls for above normal temperatures and below normal precipitation.

**7-Day Quantitative Precipitation Forecast for November 7, 2024–November 14, 2024**



**Predicted Inches of Precipitation**



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

Last Updated: 11/07/24

