



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

Valid January 25, 2024

Issued By: NWS Philadelphia/Mount Holly

Contact Information: wfophi.webmaster@noaa.gov

- **With the Drought Watch being eliminated across SE PA, this will be the last update.**
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/phi/DroughtInformationStatement> for previous statements.





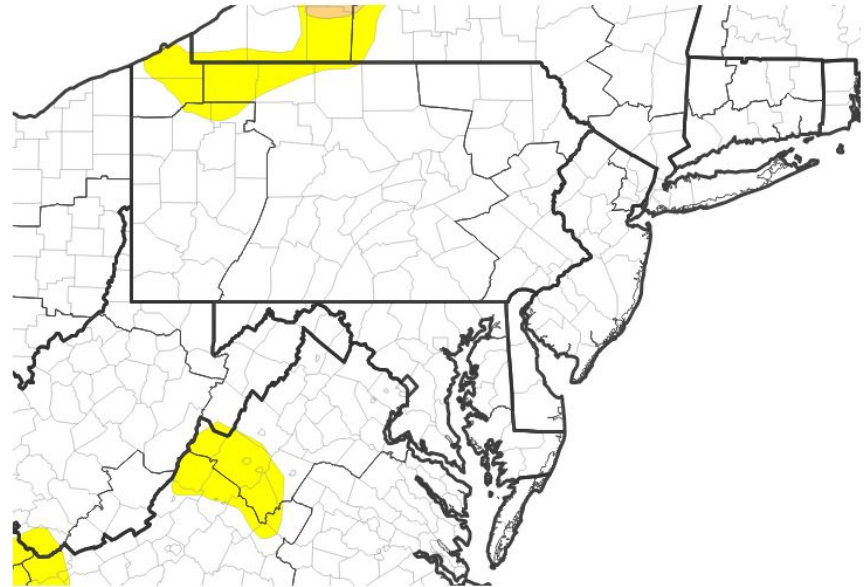
U.S. Drought Monitor

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

Drought intensity and extent per the U.S. Drought Monitor...

- D4 Exceptional Drought: No Exceptional Drought exists across the Mt. Holly Hydrologic Service Area (HSA).
- D3 Extreme Drought: No Extreme Drought exists across the Mt. Holly HSA.
- D2 Severe Drought: No Severe Drought exists across the Mt. Holly HSA.
- D1 Moderate Drought: No Moderate Drought exists across the Mt. Holly HSA.
- D0 Abnormally Dry: There are no Abnormally Dry designations across the Mt. Holly HSA.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 01/23/24



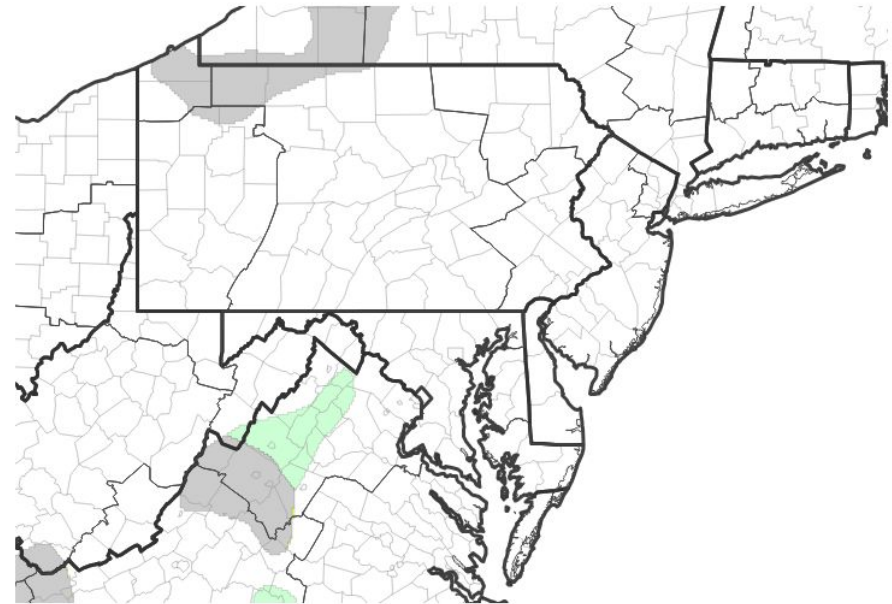


Recent Change in Drought Intensity

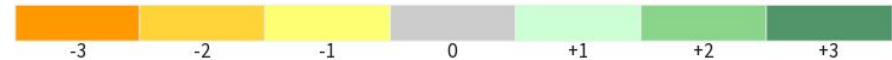
Link to the latest [4-week change map](#) for Philadelphia/Mt Holly Forecast Area

- A Four Week change map can be accessed from the link above.
- One Week Drought Monitor Class Change...
 - Drought Worsened: No degradation was observed.
 - No Change: With all of the HSA remaining unclassified from last week, there was no change to measure this week.
 - 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: 01/23/24



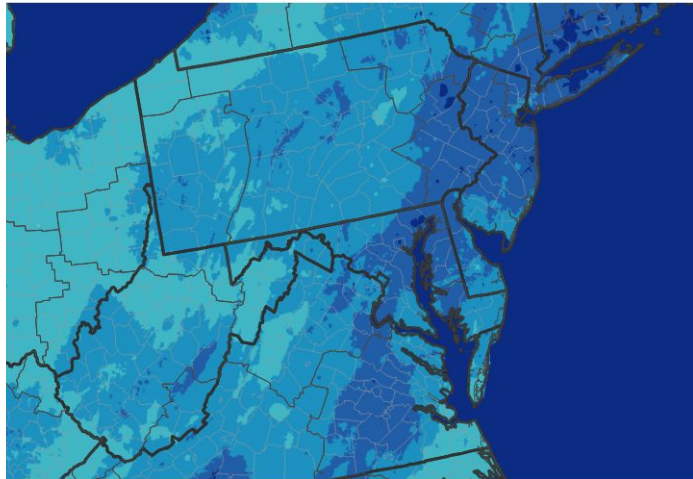


Precipitation

Last 30 Days

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

30-Day Precipitation Accumulations (Inches)



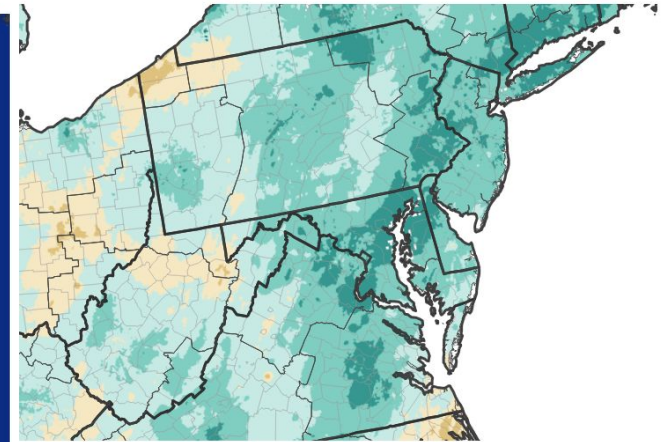
Inches of Precipitation



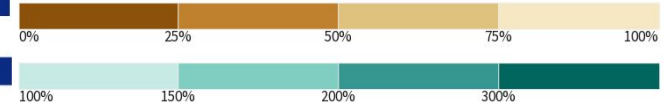
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 01/25/24

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: 01/25/24

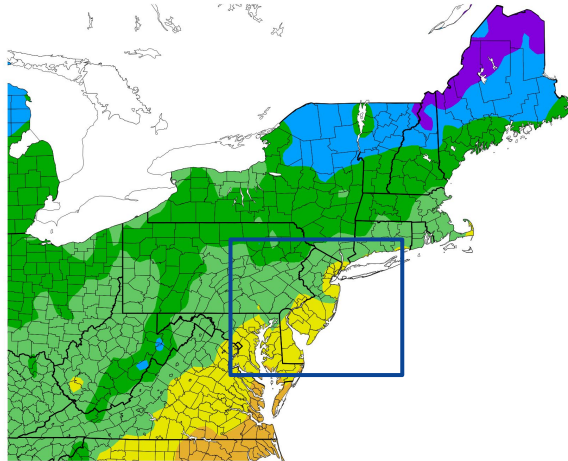




Temperature

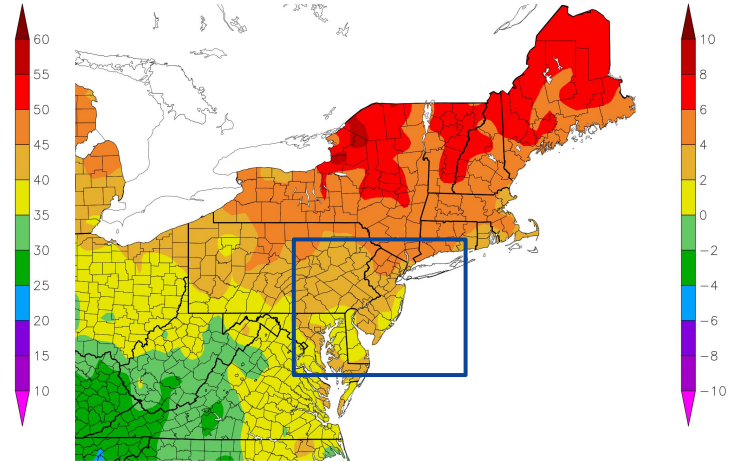
- Over the last month, temperature departures across the HSA were between 0.0 and +6.0 degrees.

Temperature (F)
12/26/2023 - 1/24/2024



Generated 1/25/2024 at HPRCC using provisional data.

Departure from Normal Temperature (F)
12/26/2023 - 1/24/2024



NOAA Regional Climate Centers 5/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers





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 1/25, were normal to much above normal.
- See the next slide for more details.

Agricultural Impacts

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

Other Impacts

- Per state DEPs, most reservoir pools across the HSA were normal.
- Per the Delaware River Basin Commission, and as of January 22nd, the salt front in the Delaware River Estuary was estimated between river mile markers 50 and 54. The normal location for this time of year is river mile marker 69. This means the salt line was further downstream compared to normal.

WITH THE PA DEP LIFTING THE DROUGHT WATCH FOR THE SOUTHEASTERN PORTION OF THE STATE, THIS WILL BE THE LAST DROUGHT UPDATE FROM THIS OFFICE UNTIL MORE STATE DECLARATIONS ARE ISSUED FOR THE HSA OR D3 IS DEFINED IN THE U.S. DROUGHT MONITOR.

Drought Mitigation Actions

- Per the state of Pennsylvania, the Drought Watch for SE PA has been lifted.
- Keep in mind, the National Weather Service does not declare Drought Watches or Warnings.

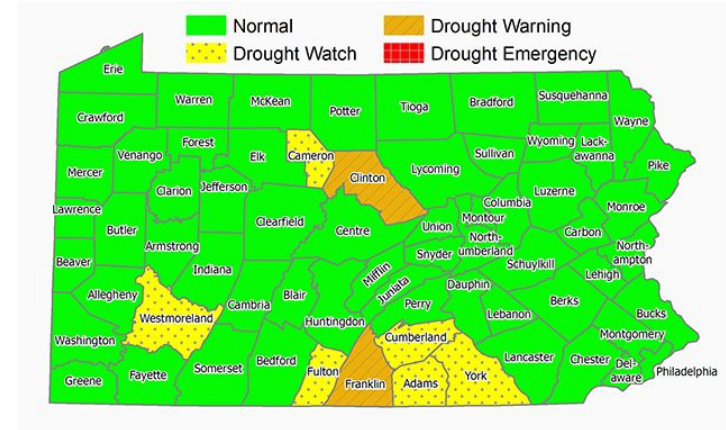


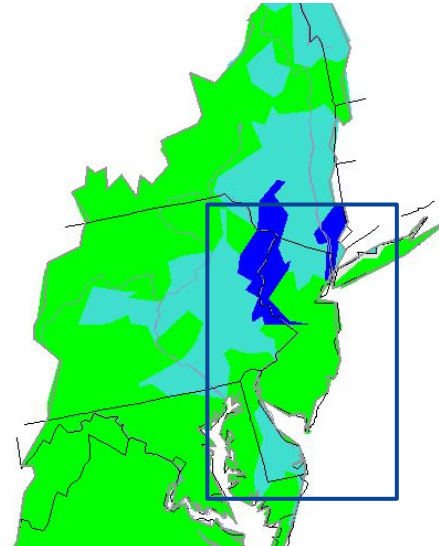
Image Captions: [PA Drought Declaration Status](#) valid 1/25/2024





Hydrologic Conditions and Impacts

- With the recent rain, the seven-day average streamflow conditions, ending 1/25, were normal to much above 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 January 25, 2024

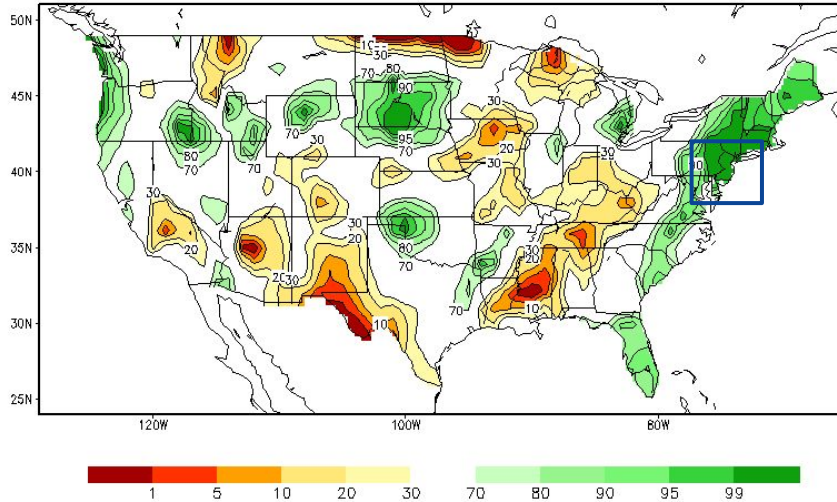




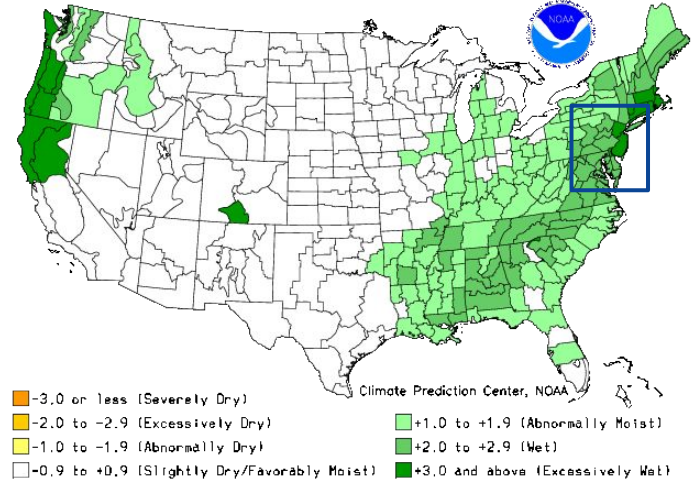
Agricultural Impacts

- Soil moisture was running above normal across the HSA.

Calculated Soil Moisture Ranking Percentile
JAN 24, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending JAN 20, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile

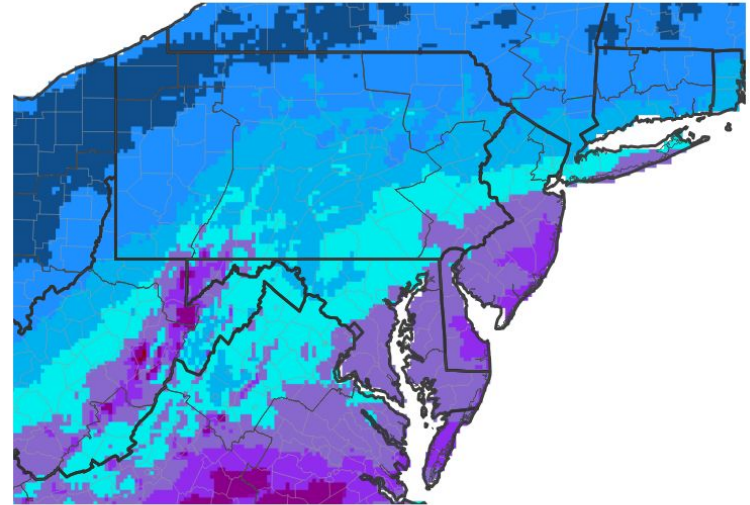




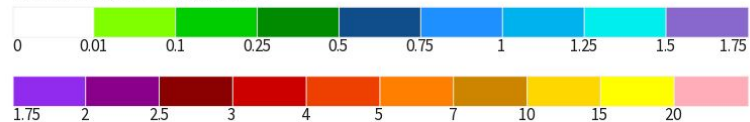
Seven Day Precipitation Forecast

- A slow moving front across the Middle Atlantic will remain in place through Friday. Several weak low pressure systems will travel along it keeping unsettled conditions over the area. Weak high pressure will arrive later Friday and will stay through Saturday. A coastal system will slide by Saturday Night into Sunday Night. High pressure will then arrive later Monday and remains into the midweek period.
- The 8 to 14 day outlook calls for above normal temperatures and below normal precipitation.

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



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

Data Valid: 01/25/24

