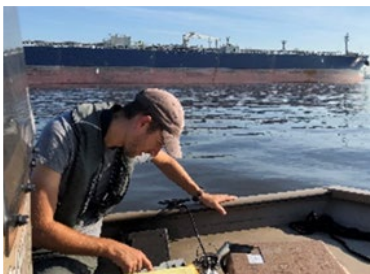




Presented to an advisory committee of the DRBC on June 3, 2026. Contents should not be published or re-posted in whole or in part without the permission of DRBC.

Hydrologic Conditions



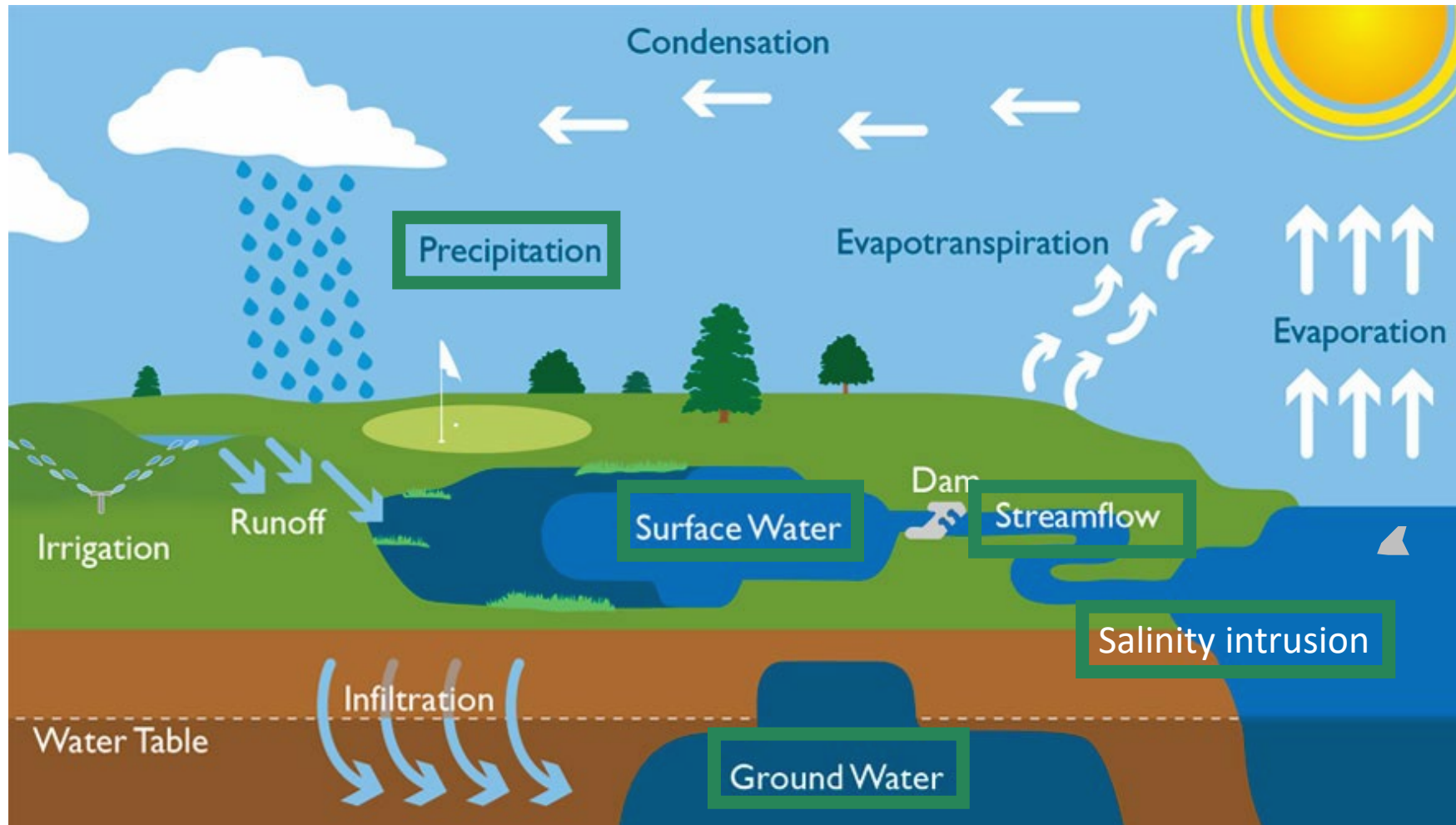
Fanghui Chen, Ph. D., P.E.
Senior Water Resource Engineer
Water Resource Operations

June 3, 2026
*Water Management Advisory
Committee Meeting*



The Hydrologic Cycle

Water moves around the earth through air, soil, and over land.



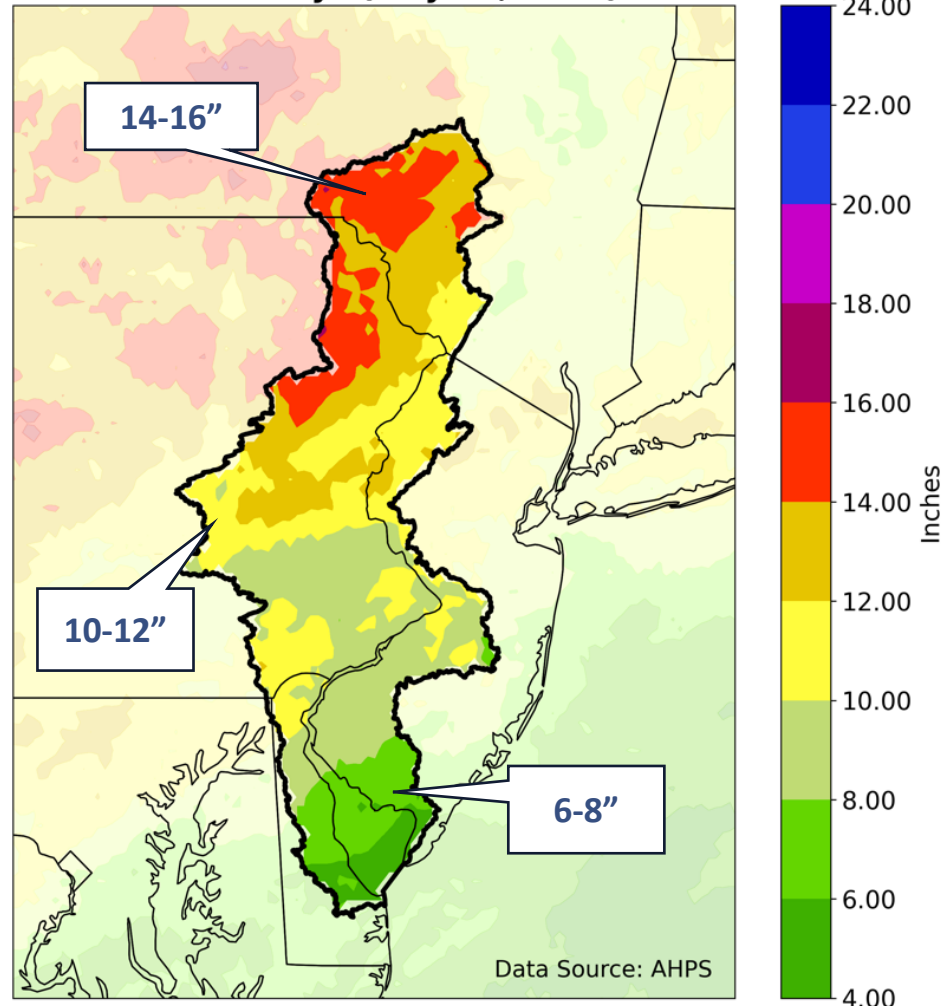
Graphic courtesy of Pike County Soil Conservation District

Cumulative Precipitation – Last 90 days

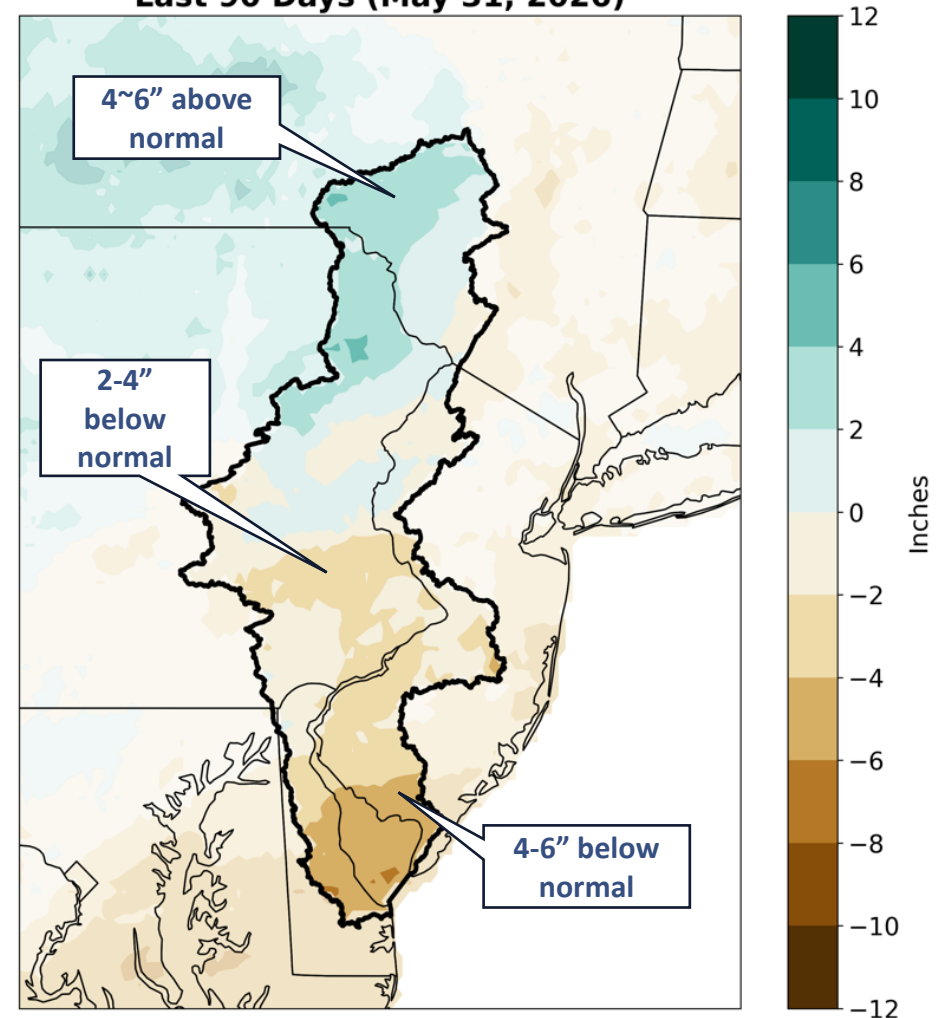
Reference date: October 13, 2025

The last three-month period shows below normal condition for the mid and lower basin.

**Total Precipitation Accumulation
Last 90 Days (May 31, 2026)**



**Departure from Normal Precipitation
Last 90 Days (May 31, 2026)**



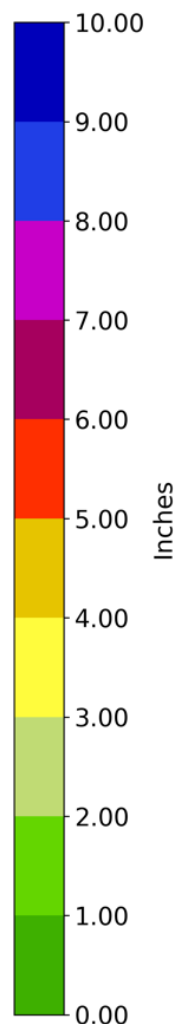
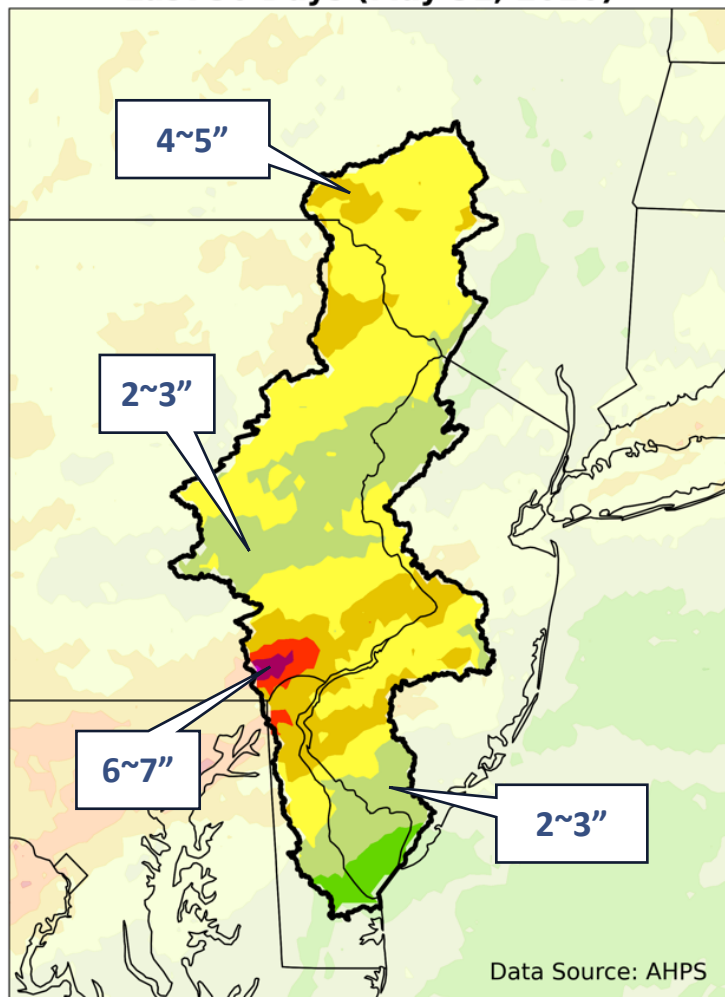
Data Source: NOAA

Cumulative Precipitation – Last 30 days

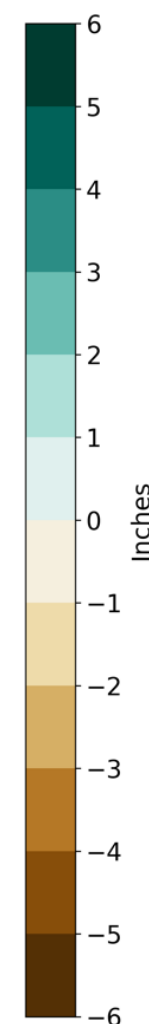
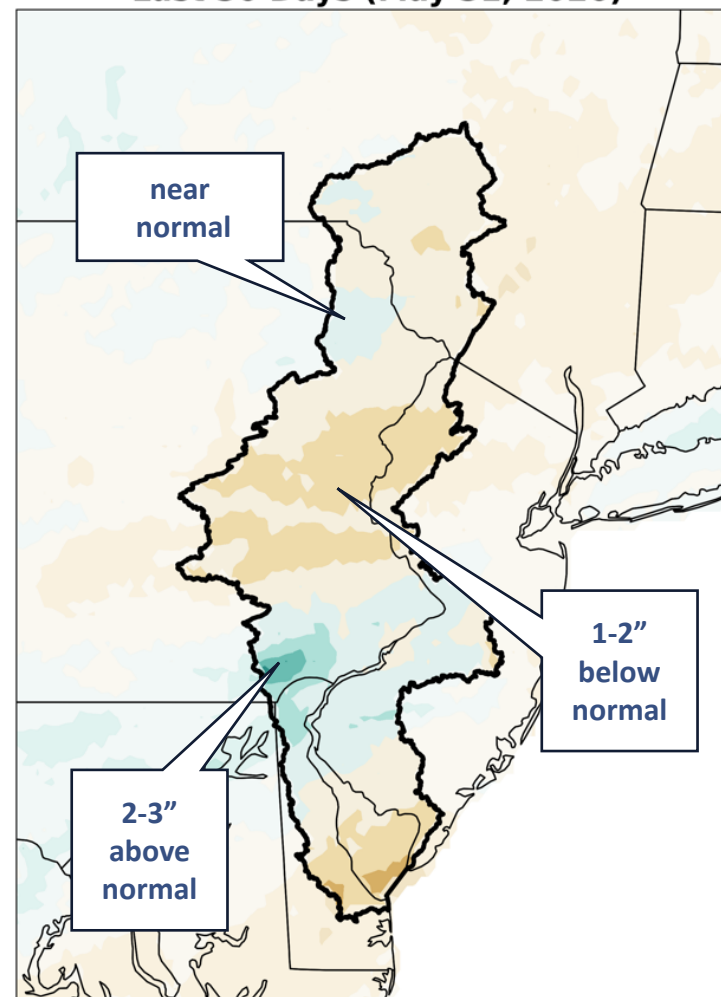
Reference date: October 13, 2025

Southeastern PA received much-needed rainfall during the last 30 days.

**Total Precipitation Accumulation
Last 30 Days (May 31, 2026)**



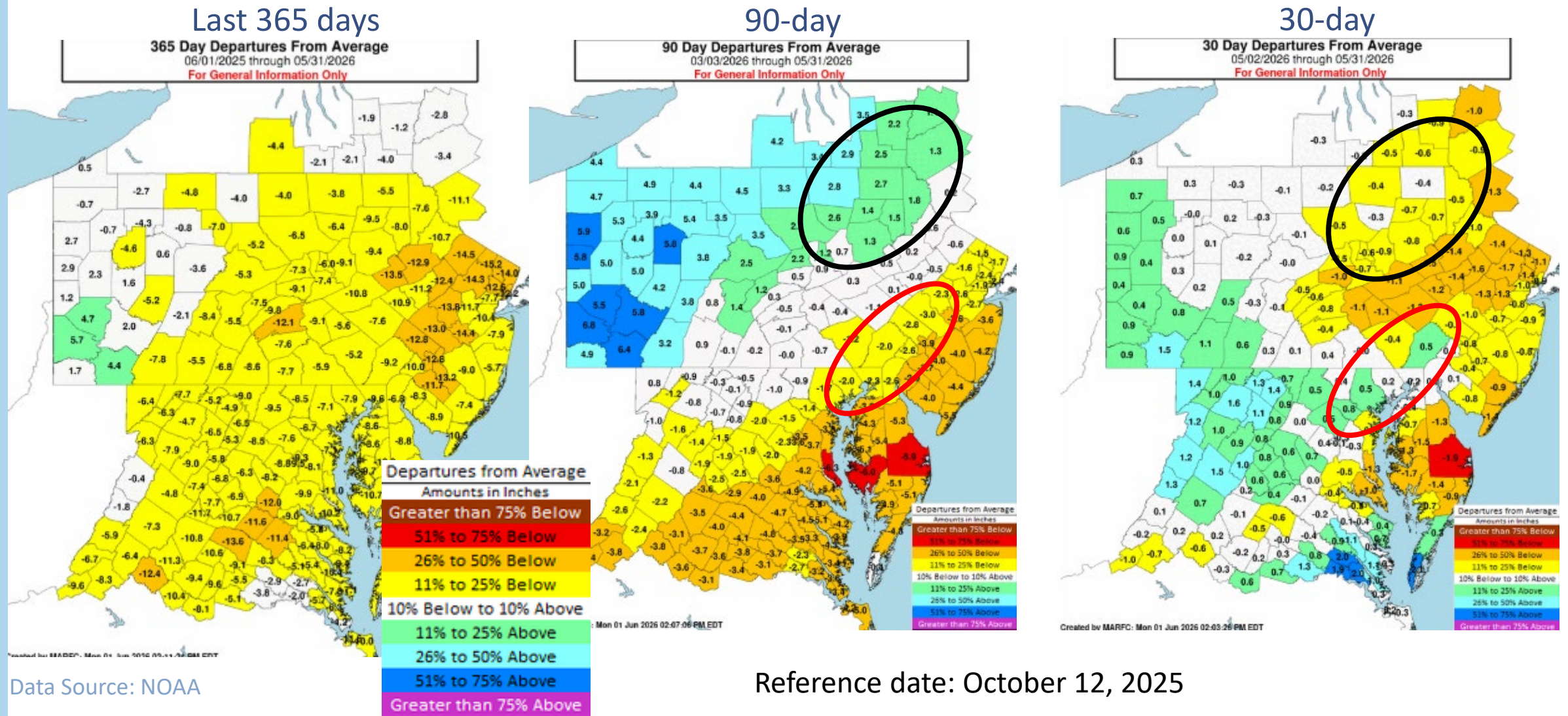
**Departure from Normal Precipitation
Last 30 Days (May 31, 2026)**



Data Source: NOAA

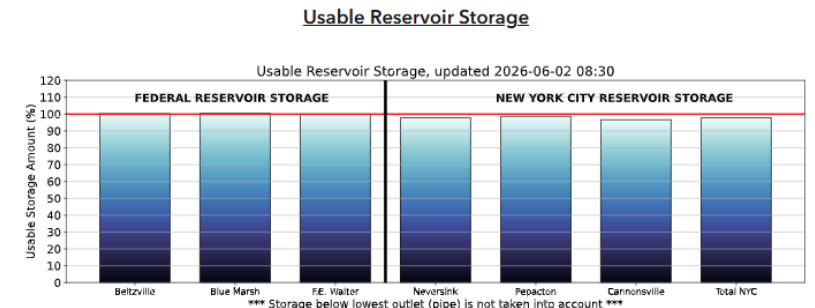
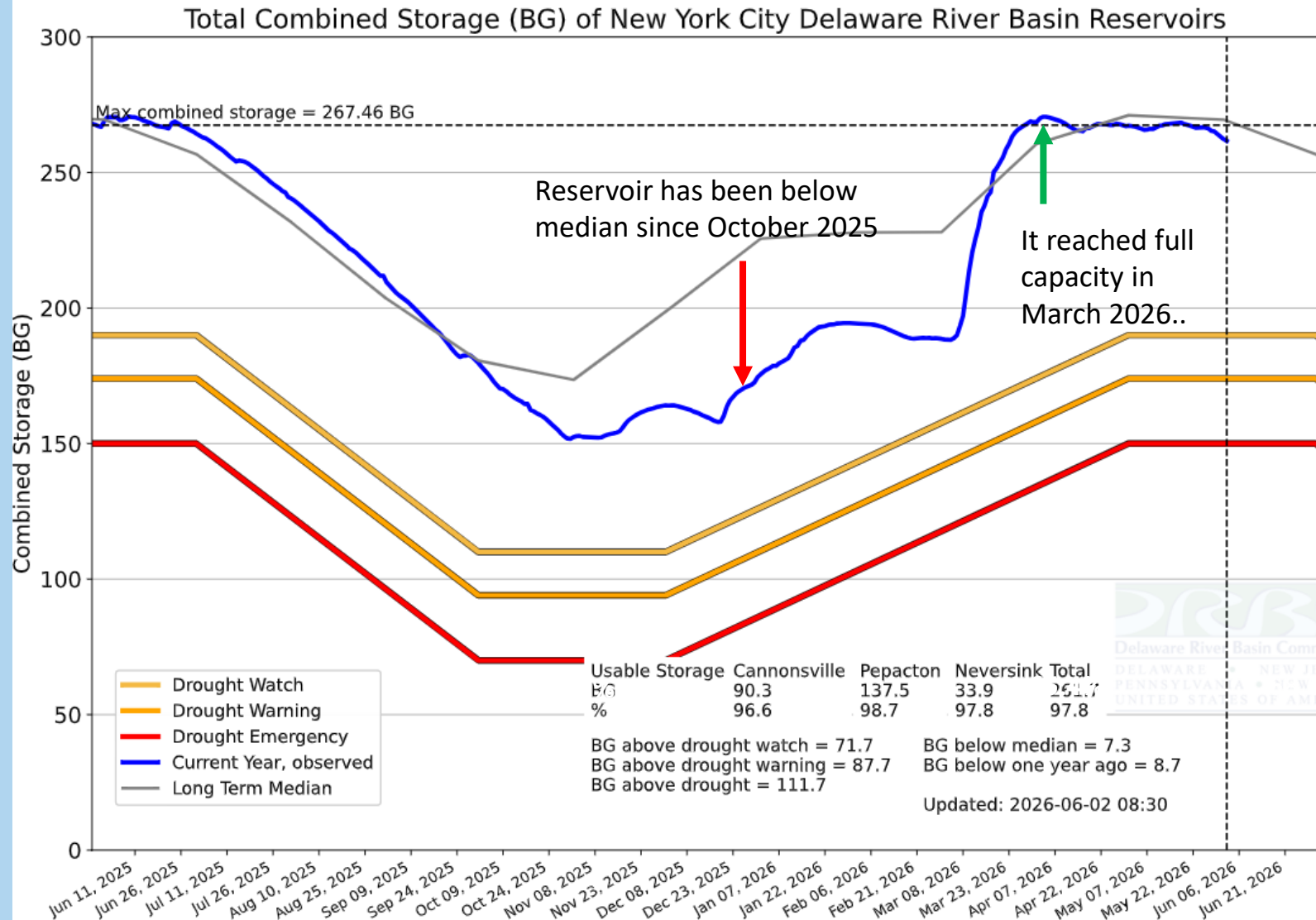
Precipitation Departures Summarized by County

Conditions have deteriorated across much of the Mid-Atlantic in the last 30 days.



New York City Reservoir Storage

NYC combined storage met the desired target on June 1st 2026



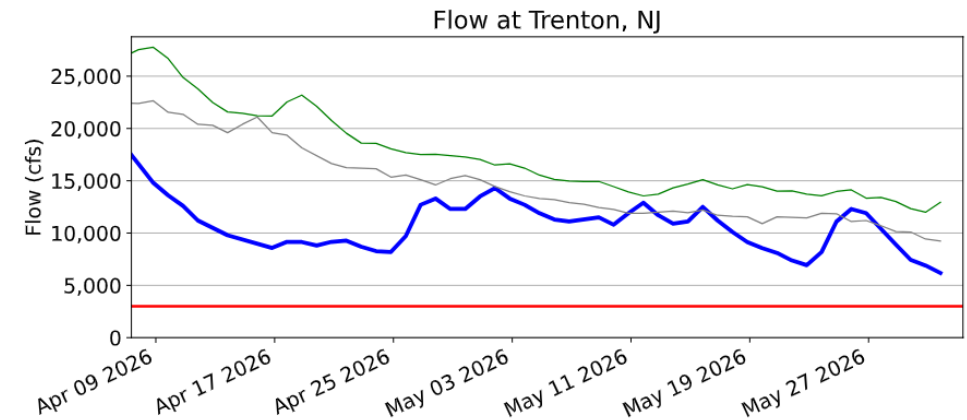
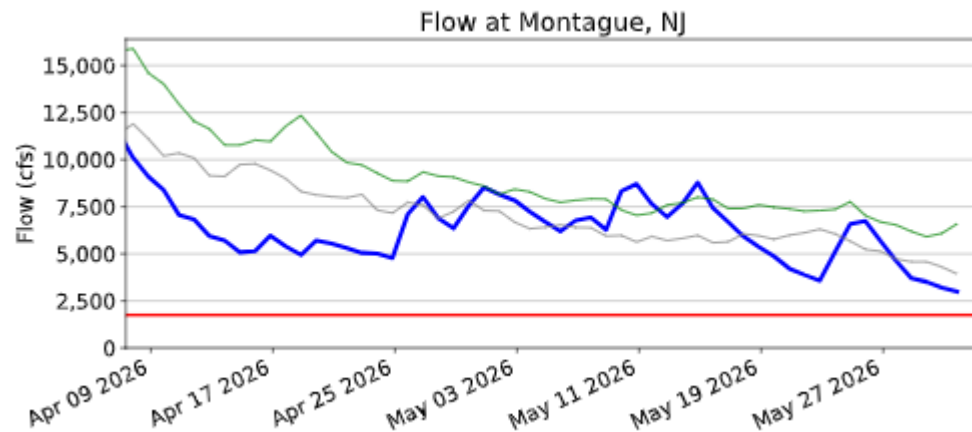
As of June 2, 2026

The combined storage in the New York City DRB reservoirs 261.7 BG, which is 97.8 percent of the combined capacity.

The combined storage is 71.7 BG above drought watch, 7.3 BG below the long-term median, and 8.7 BG below this time last year.

Streamflow Condition along Delaware River Mainstem

Flows along the mainstem remain below normal since mid-August 2025.

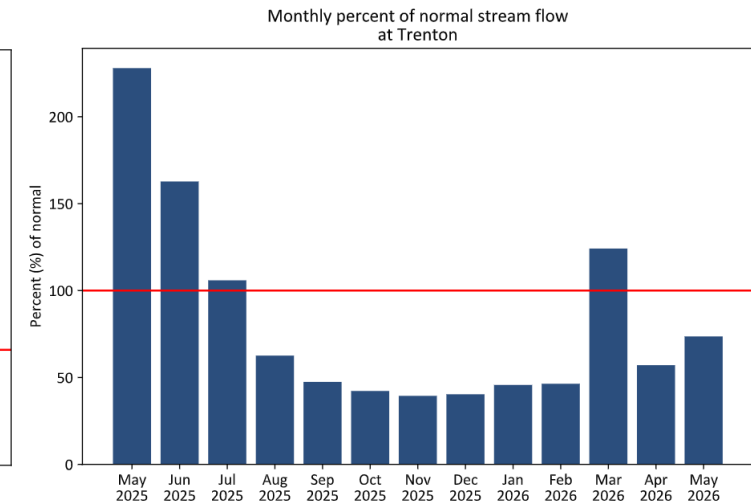
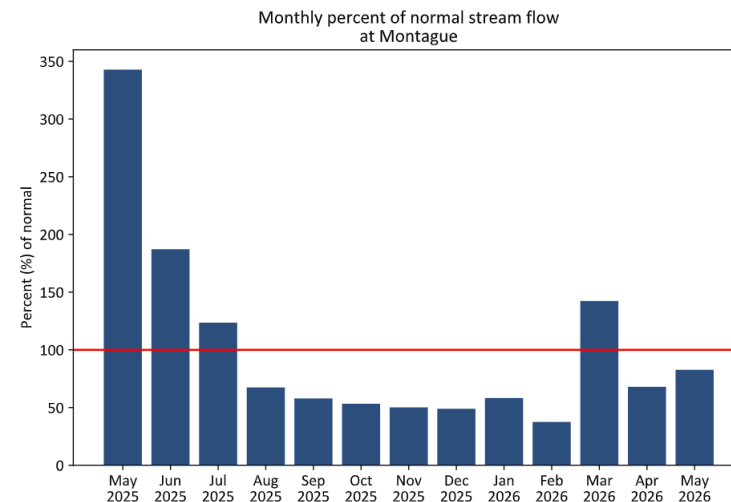


Observed Flow Median Flow (50th %ile)
Average Flow Flow Objective

Map last updated: 8:30 am, June 2, 2026

Data Source: USGS

Monthly percent of normal
May 2025- May 2026



Streamflow Status, as of June 2, 2026

Most tributaries in central and lower basin are at below-normal conditions as of June 2, 2026. Some are at historical minimum.

Flow Conditions on average:

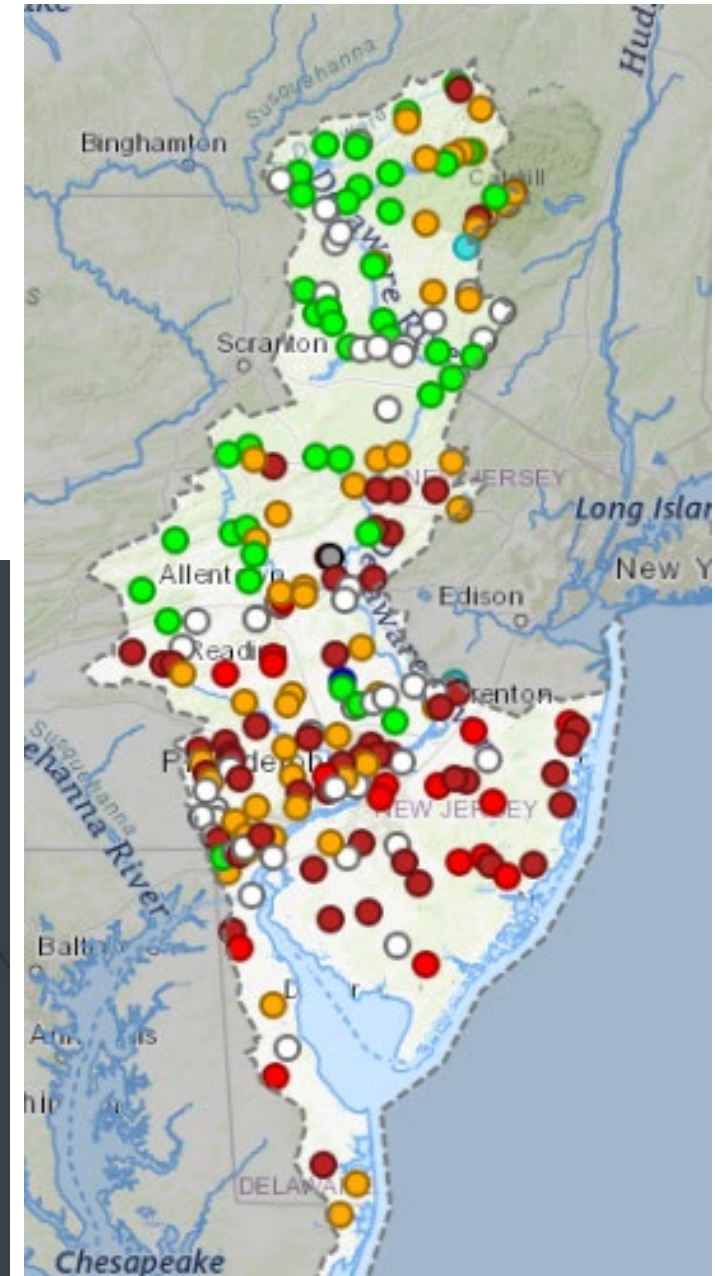
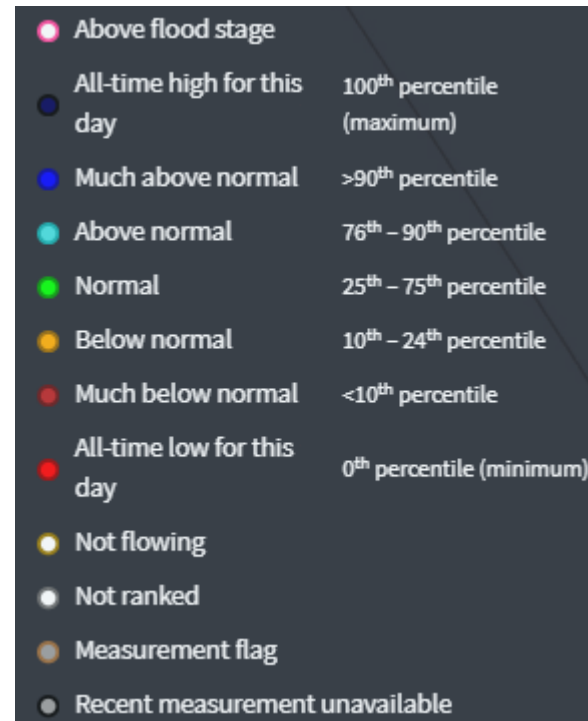
Upper Basin: Normal

Central Basin: Below to much below Normal

Lower Basin: much below Normal

Source: USGS

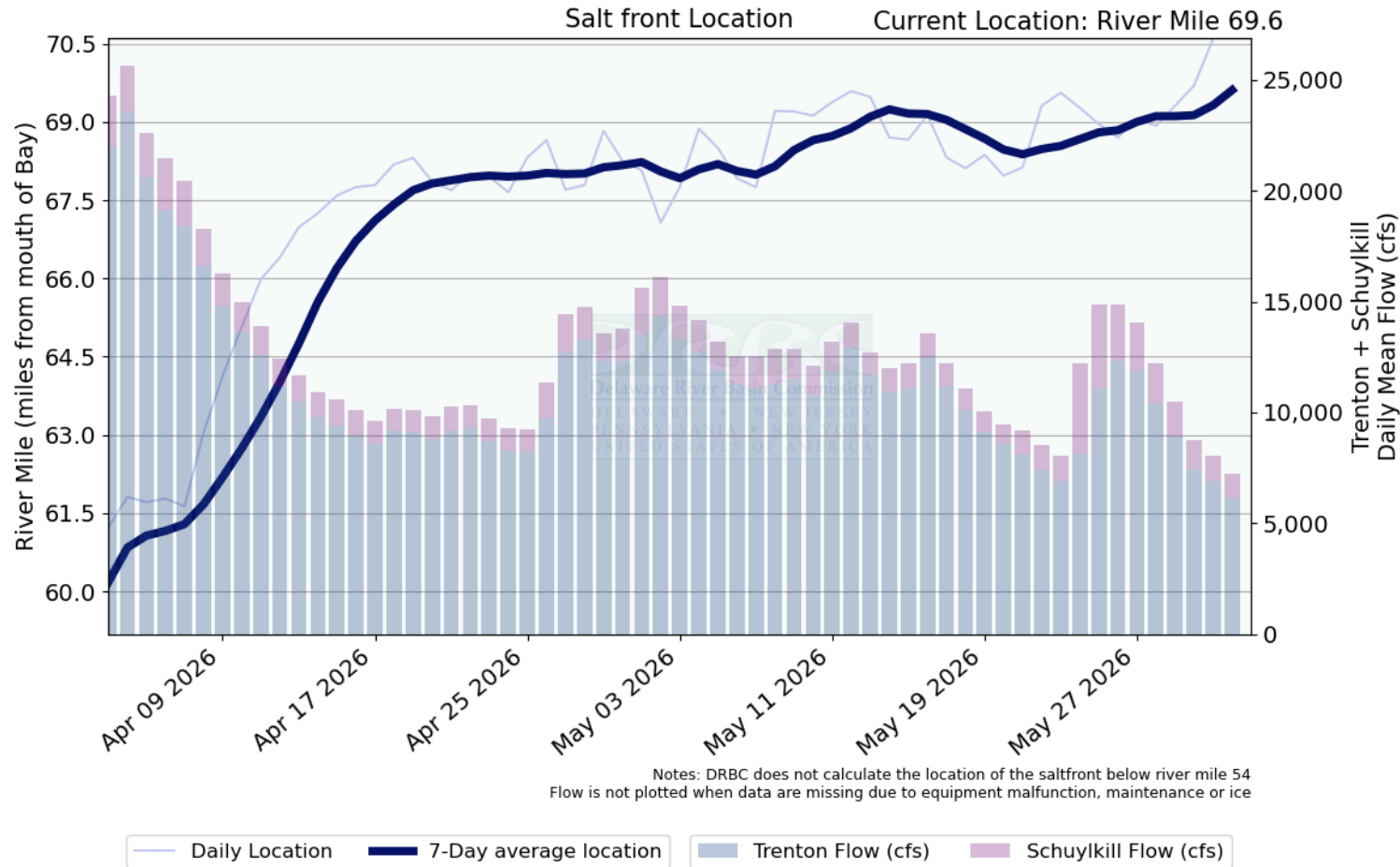
<https://dashboard.waterdata.usgs.gov/app/nwd/en/?aoi=huc-0204>



Salt Front Location

October 15, 2025

Salt front has been in the normal range since the beginning of this year.

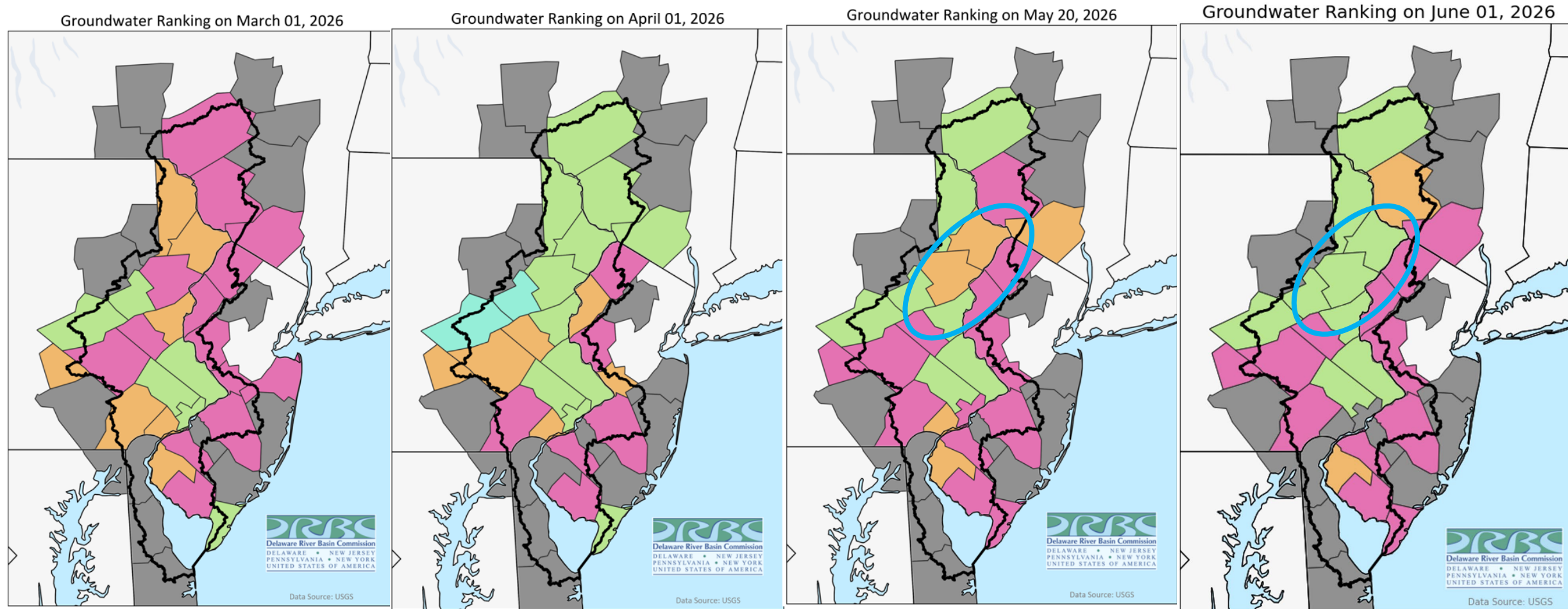


Updated: 2026-06-02 08:34



Groundwater Levels

Groundwater levels have recovered gradually in some areas following the rainfalls in May.



— Basin Boundary

— Much Above Normal

— Above Normal

— Normal

— Below Normal

— Much Below Normal

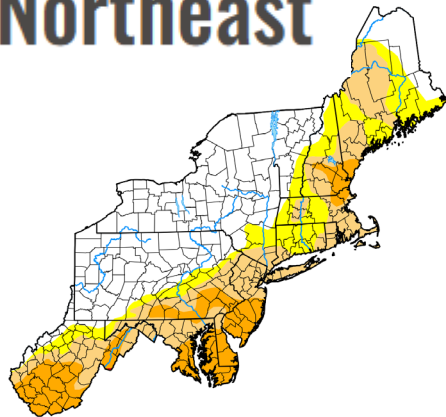
— Data unavailable

March 1 → April 1 → May 20 → June 1, 2026

Drought Monitor

Continued dry weather in the Northeast led to widespread worsening of drought and abnormal dryness.

Northeast



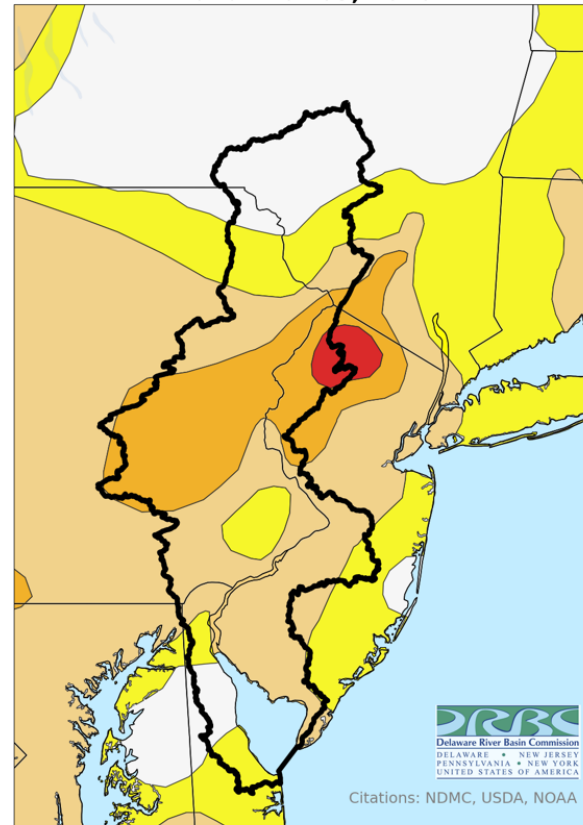
Map released: Thurs. May 28, 2026

Data valid: May 26, 2026 at 8 a.m. EDT

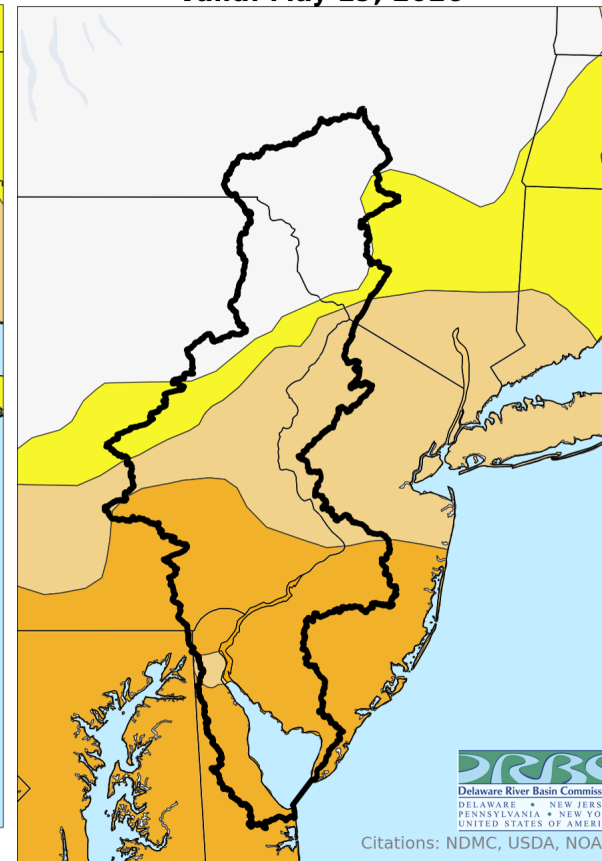
Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

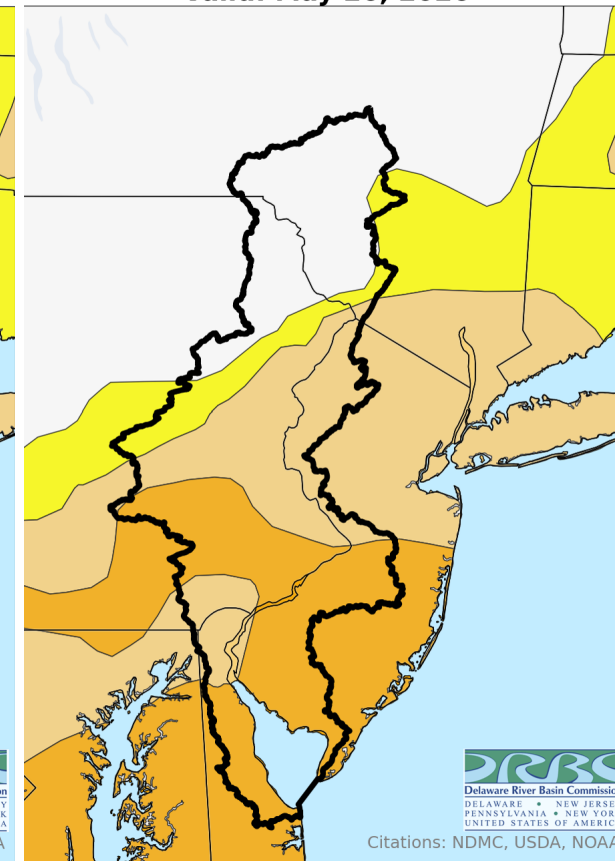
Drought Monitor
Valid: Mar 03, 2026



Drought Monitor
Valid: May 19, 2026

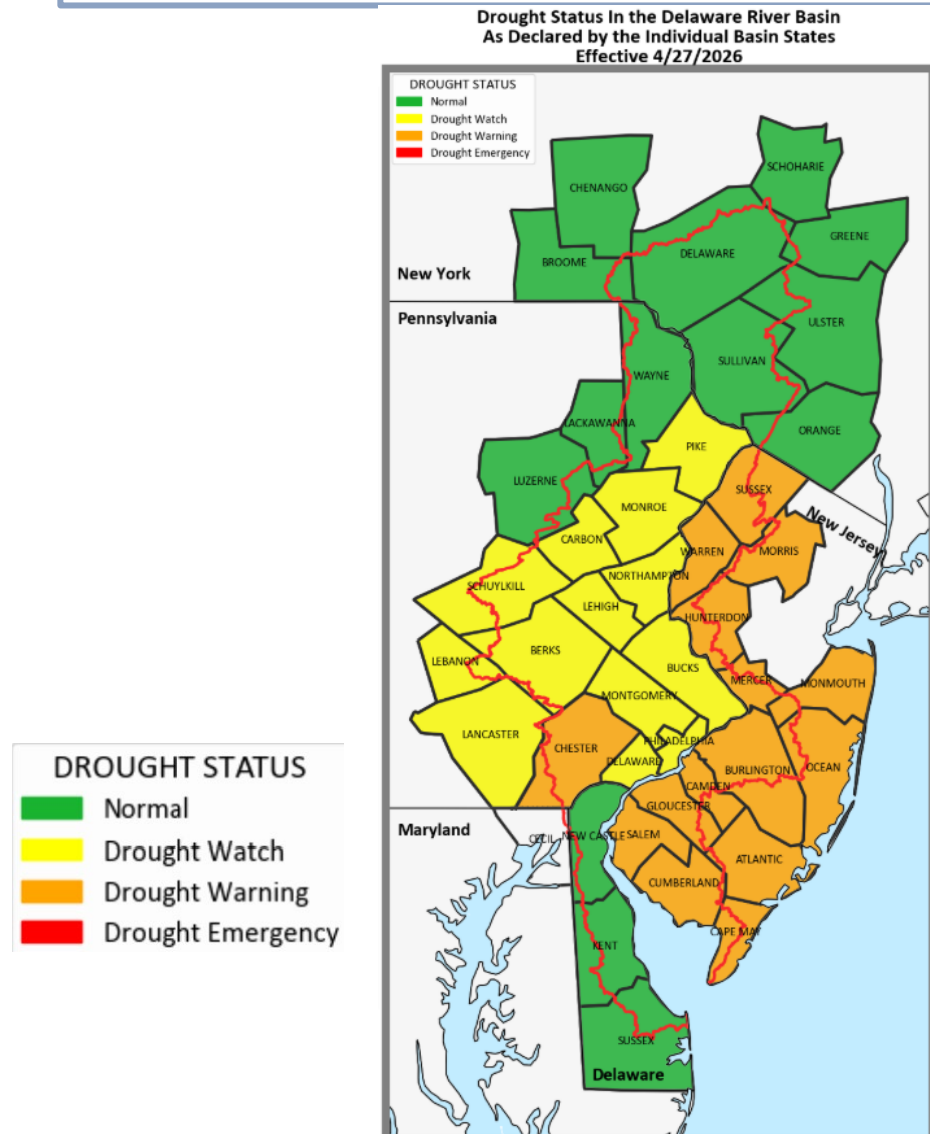


Drought Monitor
Valid: May 26, 2026



Current Drought Status

DRB counties in PA and NJ are under drought watch and warnings.

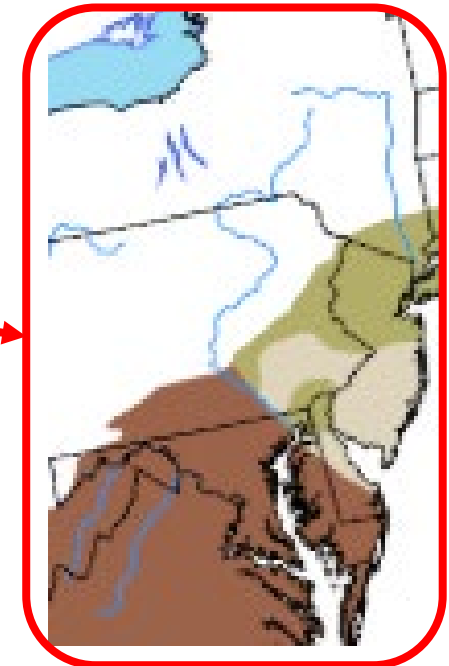
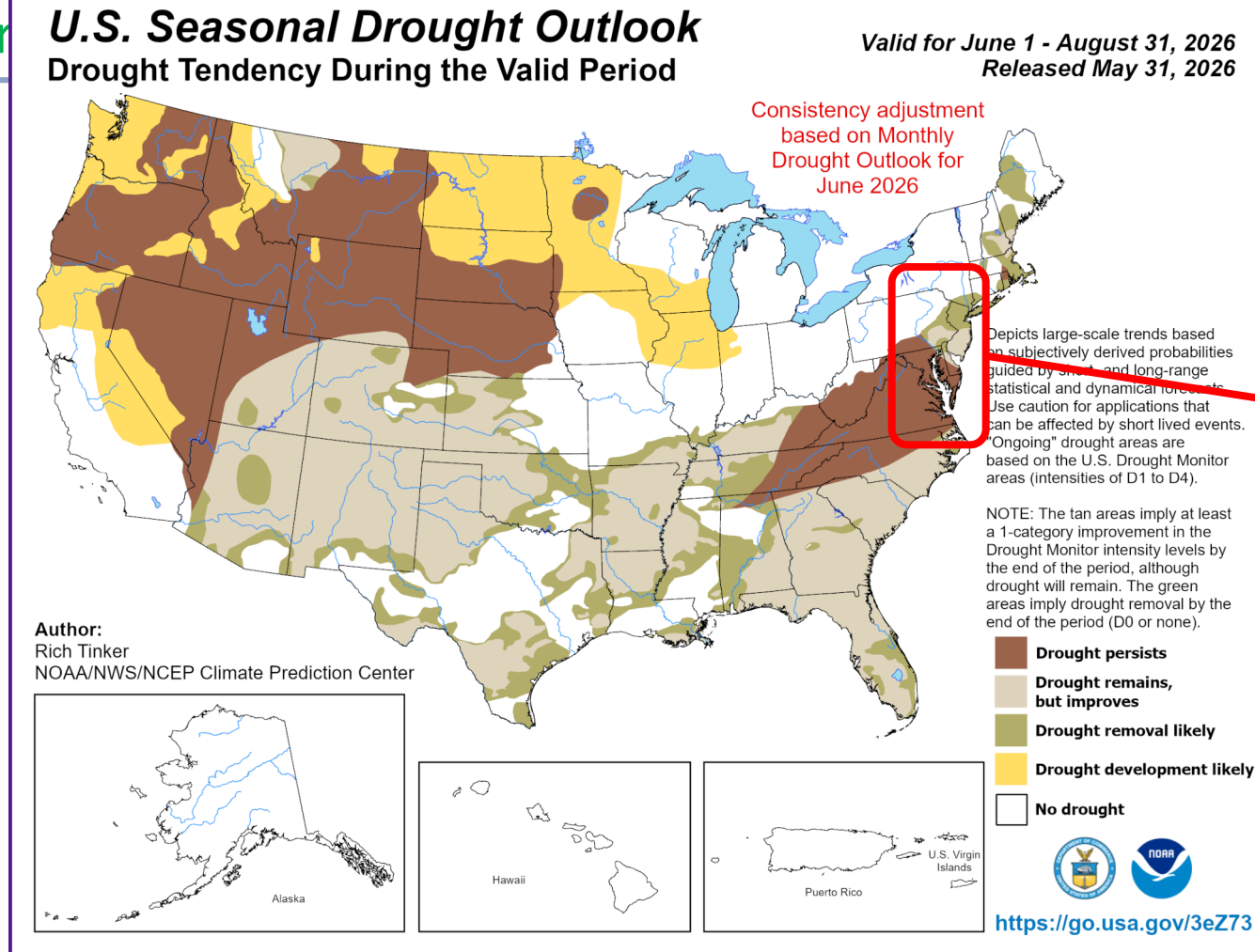


- DRB drought status is normal
- NJ: Statewide drought warning since December 2025
- DE: Normal
- NY: Normal since March 2026
- PA: Drought Watch in all counties and drought warning in 1 DRB county: Chester

<https://www.nj.gov/drbc/programs/flow/state-drought-links.html>

NOAA Seasonal Drought Outlook: June 1 – August 31, 2026

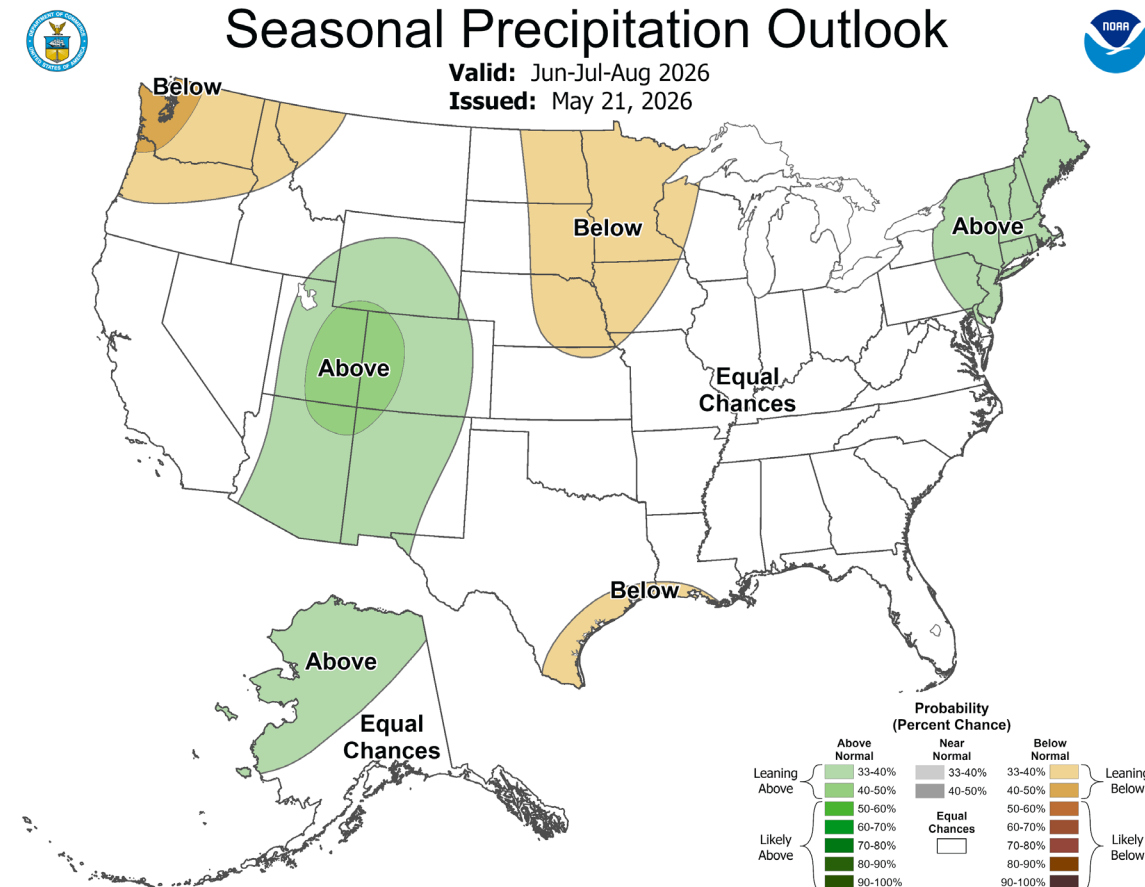
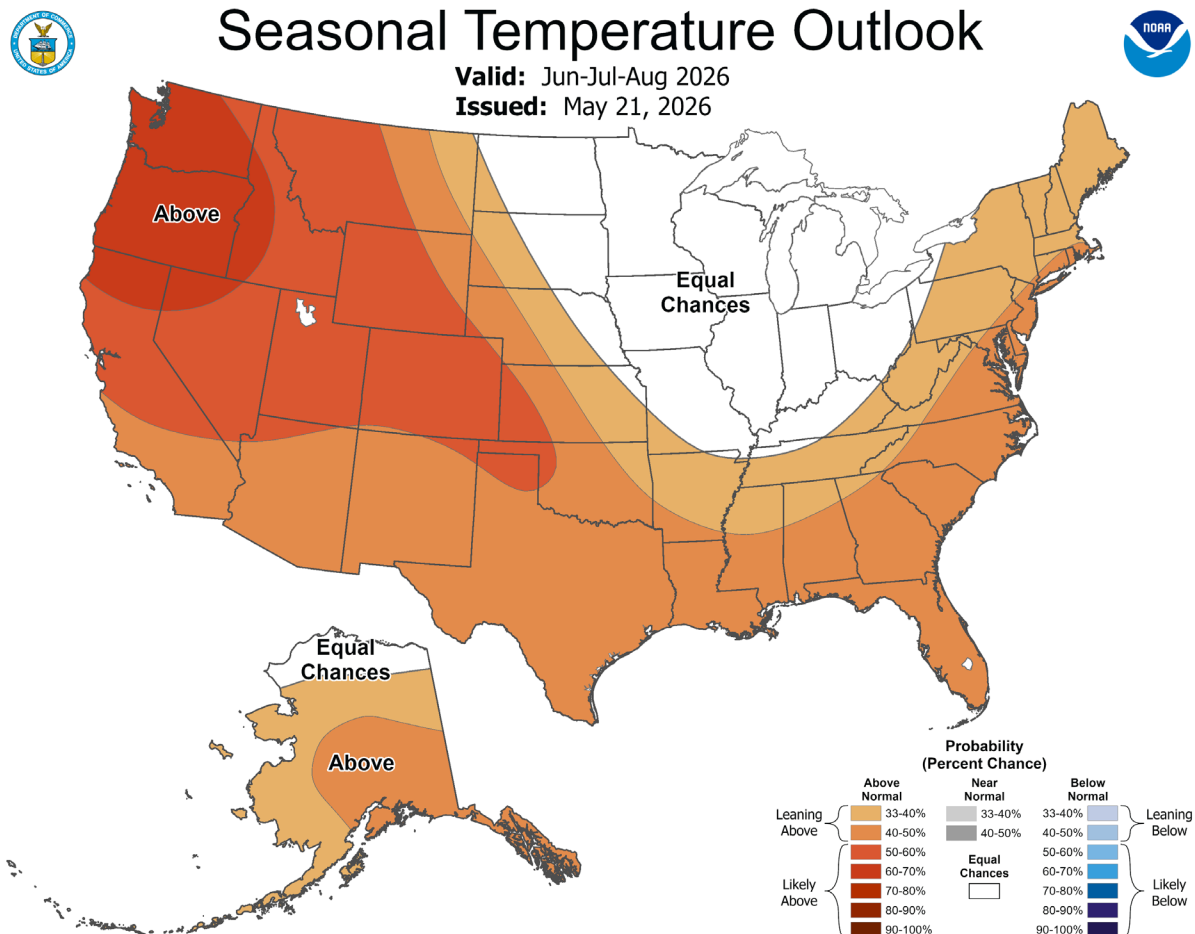
Delaware River Basin is expected to largely remain drought conditions could improve through the end of August, except a small area in northern New Jersey that may become



https://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.php

NOAA NWS Seasonal Outlook – Jun-Jul-Aug 2026

Warmer-than-normal temperatures with equal chances for precipitation





Hydrologic conditions summary



- After prolonged dry conditions since July 2025, a hydrologic drought has developed across many parts of the Basin, resulting in reduced below-normal streamflow and declining groundwater levels.
- Drought status is gradually improving following a soaking rainfall in May 2026. Water-supply and basinwide flow operation status is normal as of June 3, 2026. Flows on the Delaware River mainstem and many tributaries are at below-normal conditions.
- The three-month outlook indicates warmer-than-average temperatures this summer and 40-50% chance of above-normal precipitation.

Enjoy the Summer Season!