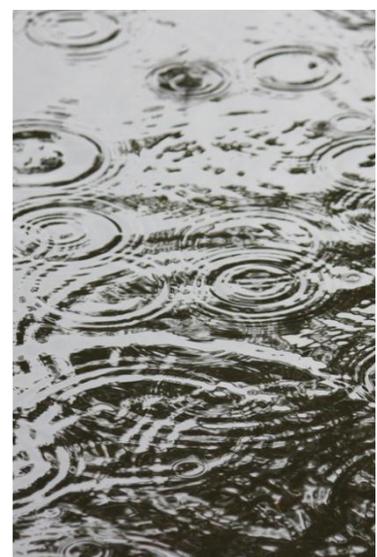
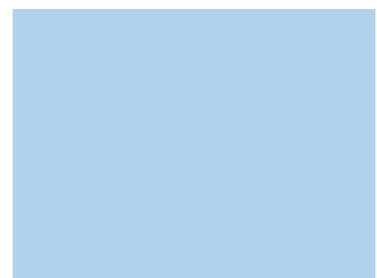


Presented to an advisory committee of the DRBC on February 11, 2026. Contents should not be published or re-posted in whole or in part without the permission of DRBC.

# Hydrologic Conditions

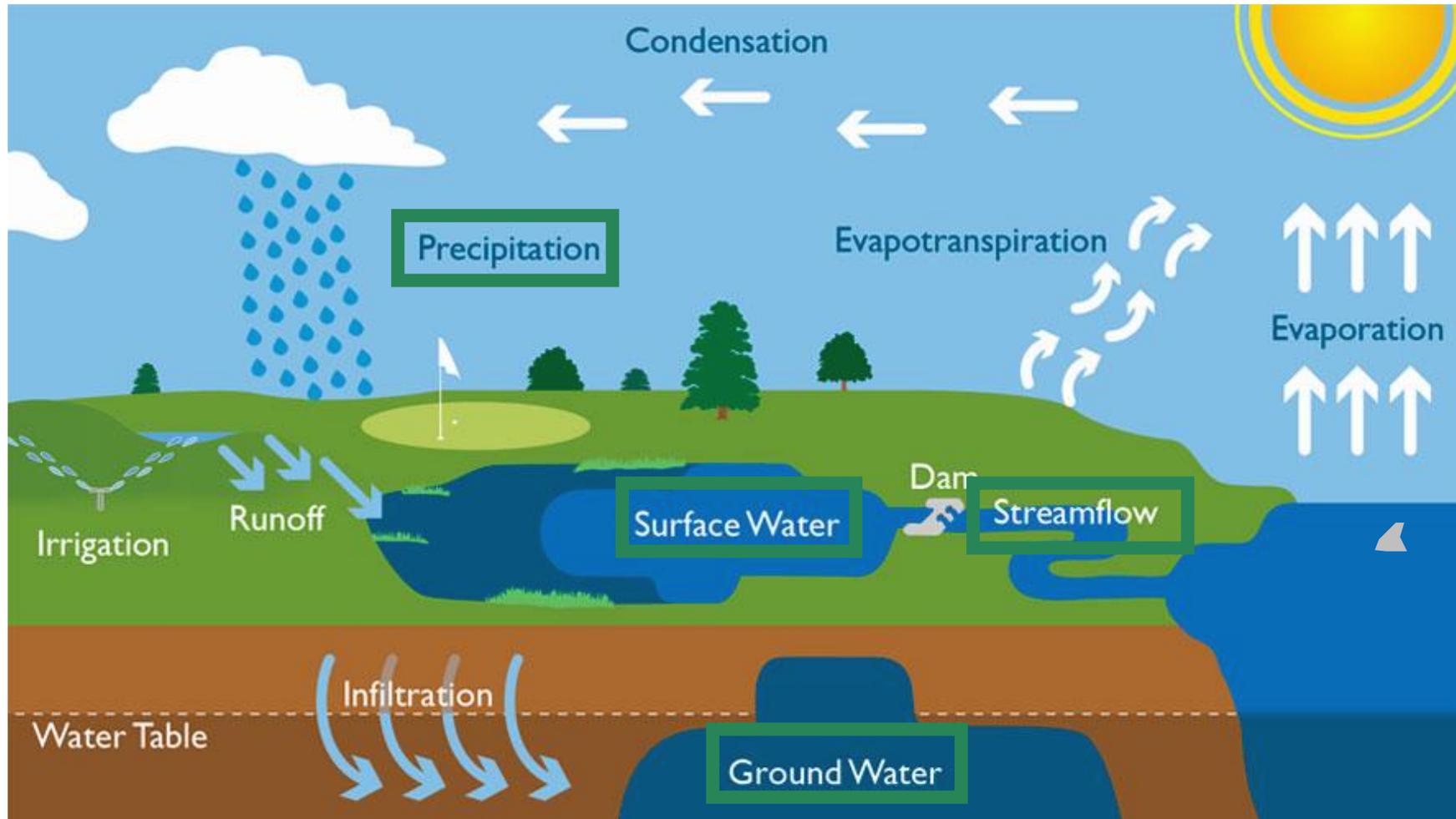
**Sara Sayed**  
Water Resource Scientist  
Water Resource Operations

**February 11<sup>th</sup>, 2026**  
*Water Management Advisory  
Committee Meeting*



# The Hydrologic Cycle

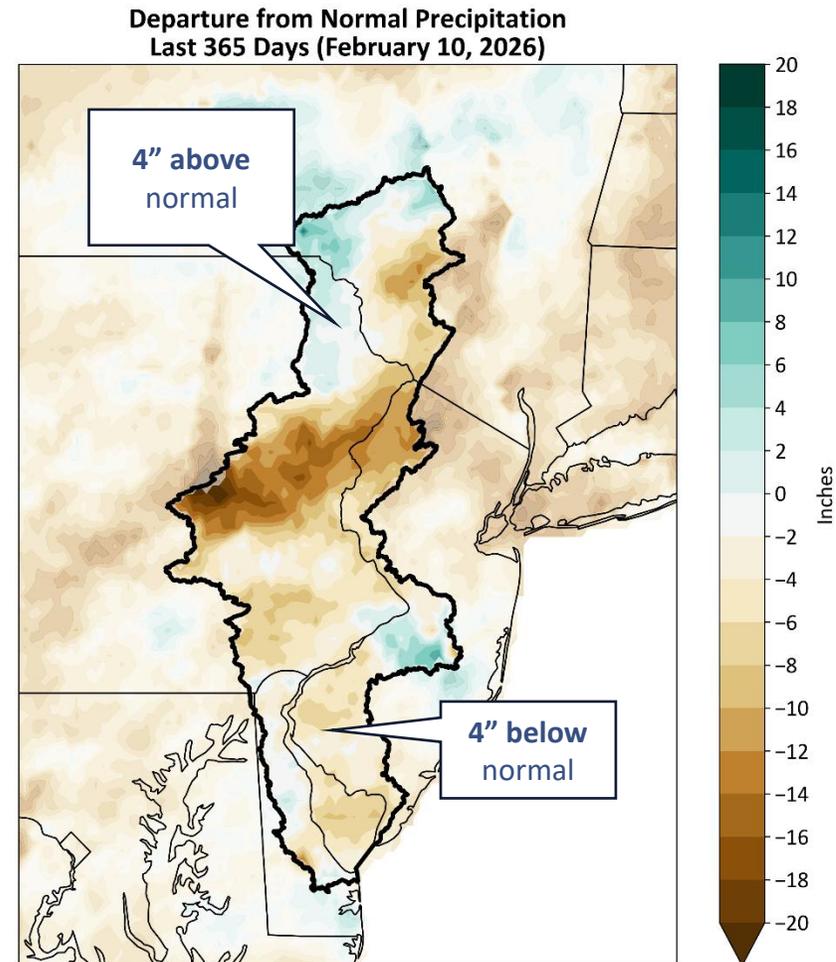
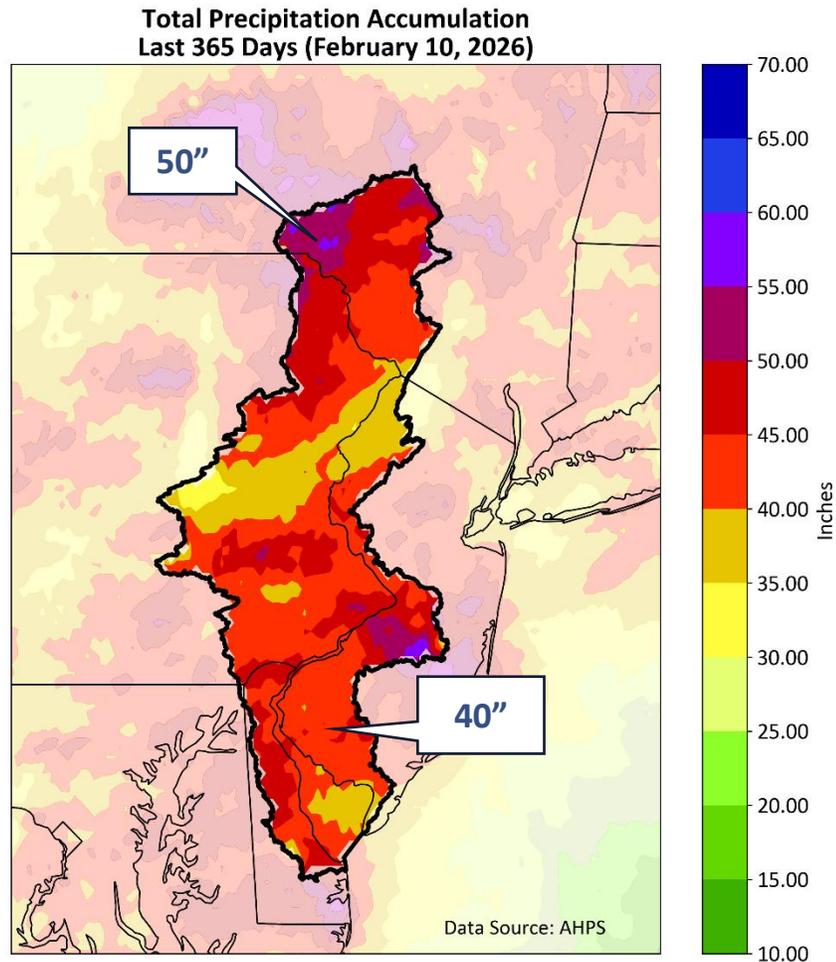
Water moves around the earth through air, soil, and over land.



Graphic courtesy of Pike County Soil Conservation District

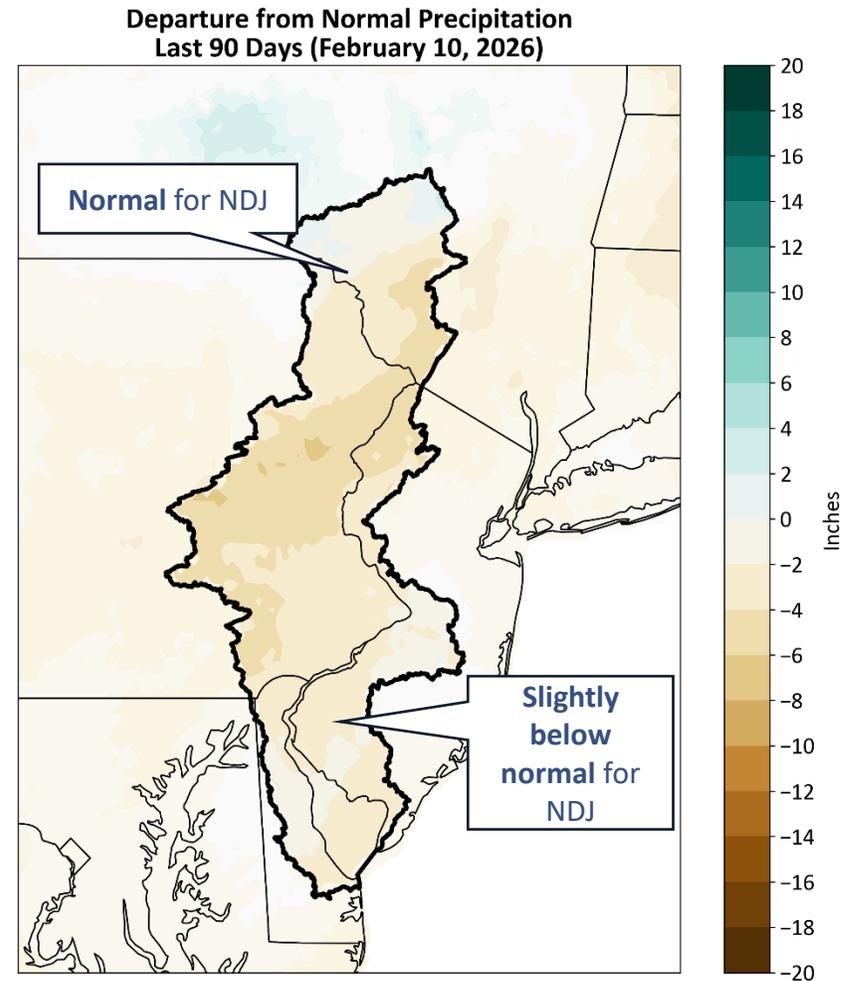
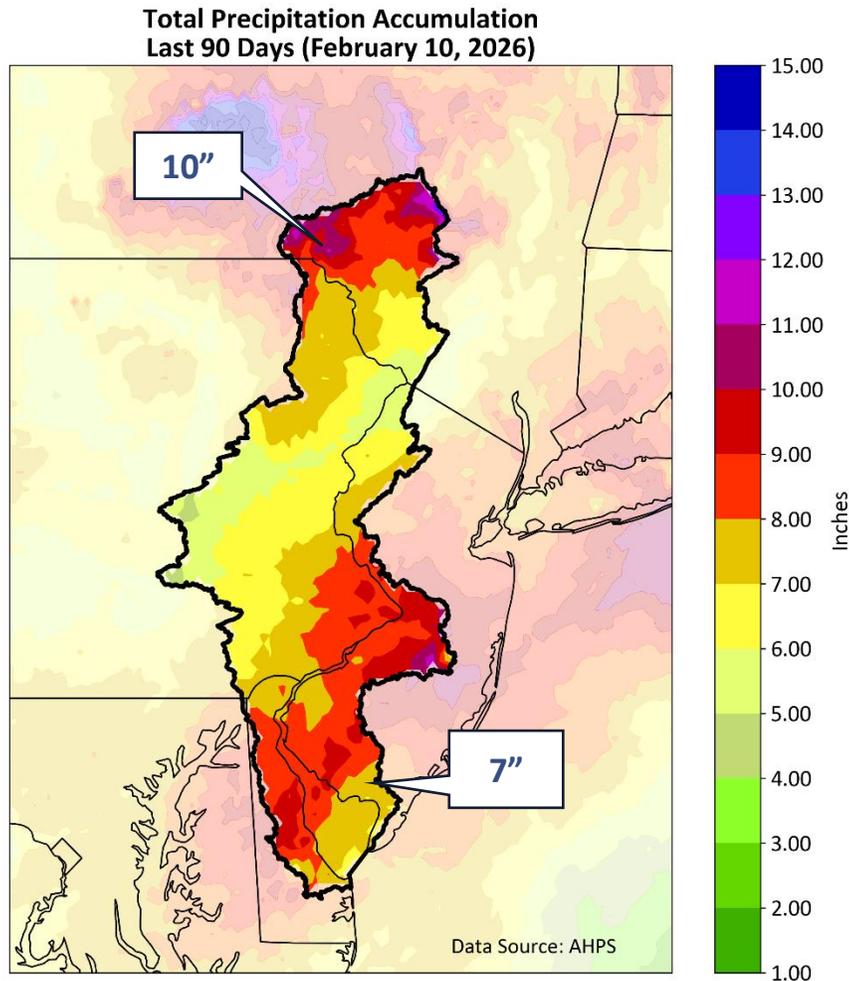
# Precipitation over the last year

Conditions continue to be very dry throughout the basin except for the Northwest.



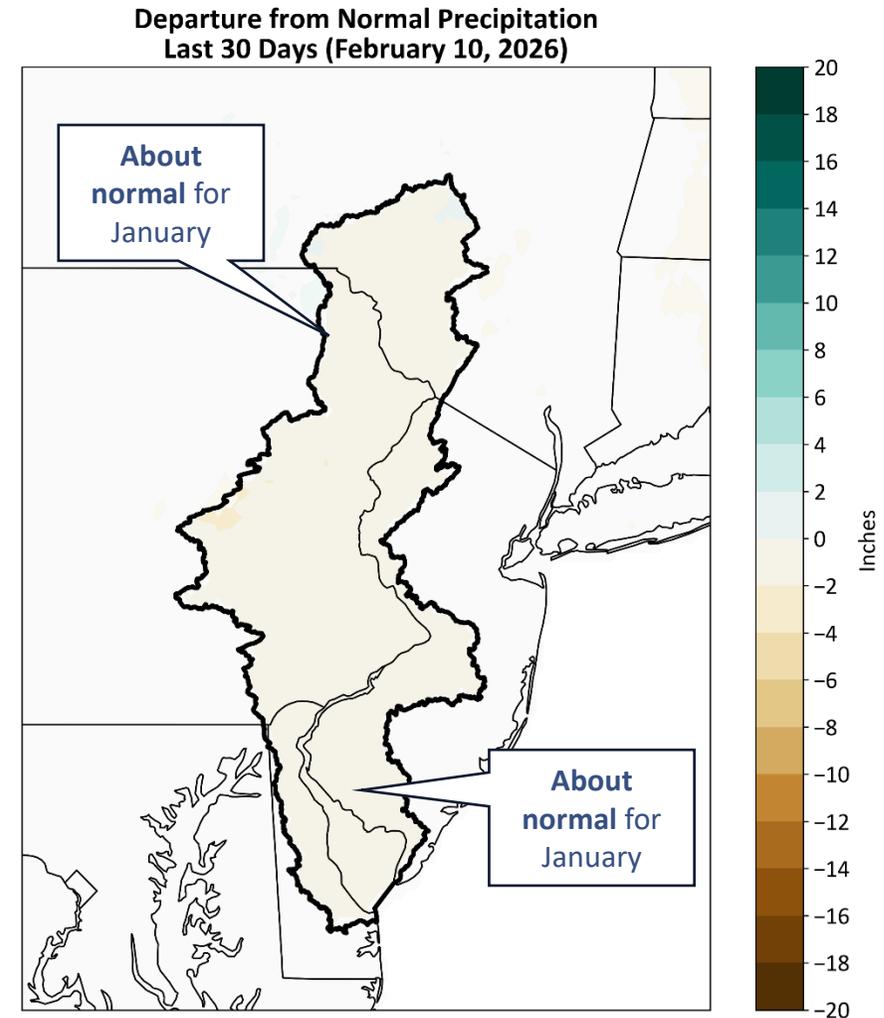
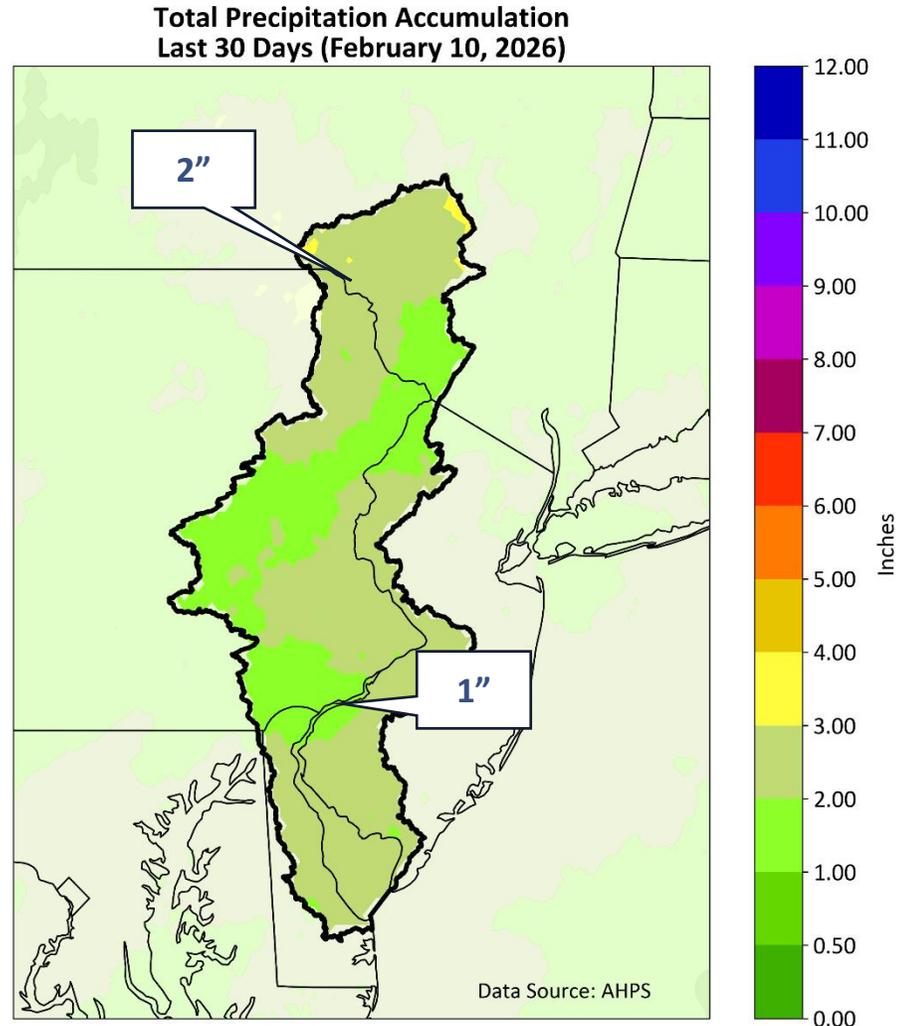
# Precipitation – 90 days

The past three-month period was slightly drier than normal except for the Northern portion of the Basin.



# Precipitation – 30 days

January's precipitation was about normal.



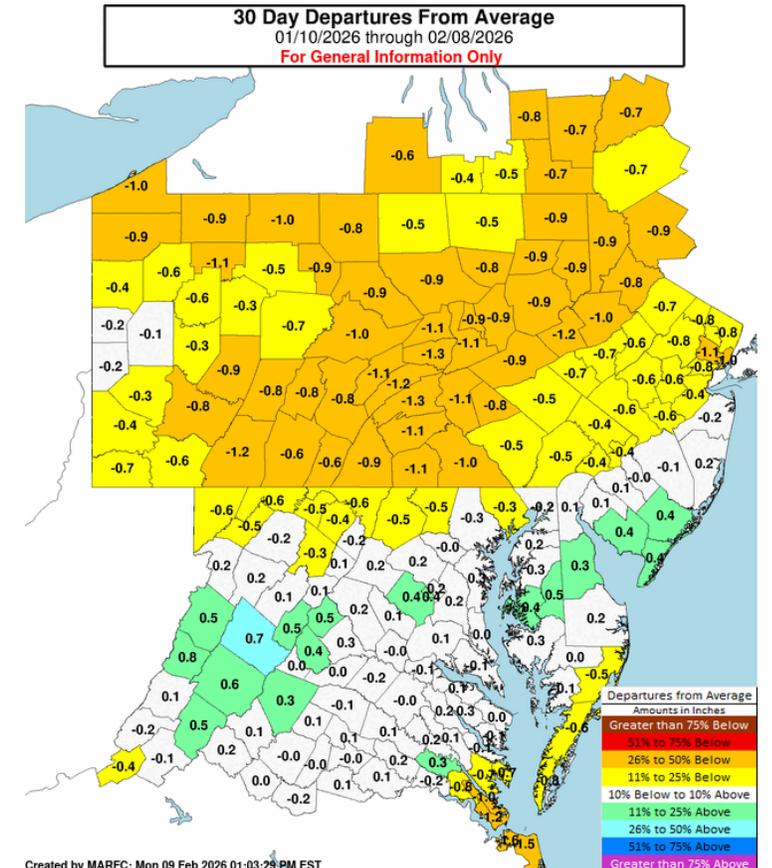
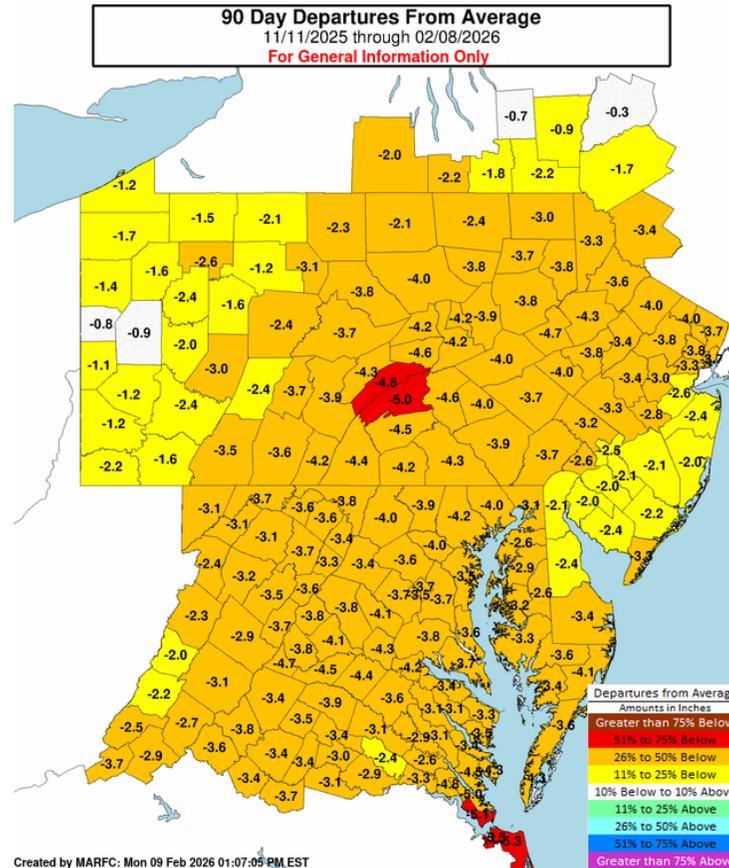
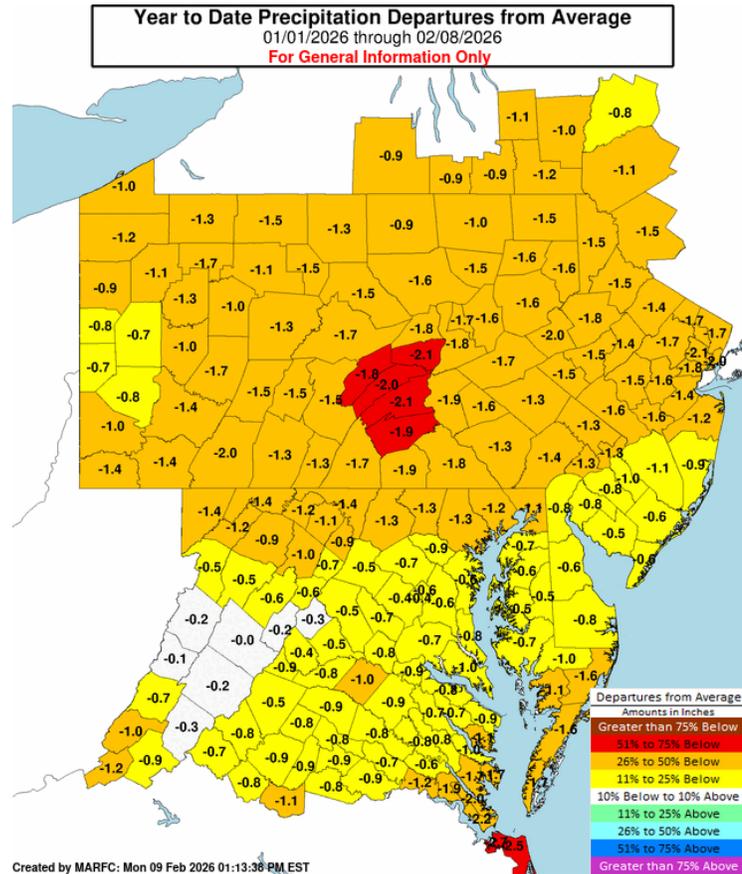
# Precipitation Departures

Conditions remain generally very dry.

## Year-to-date

## 90-day

## 30-day



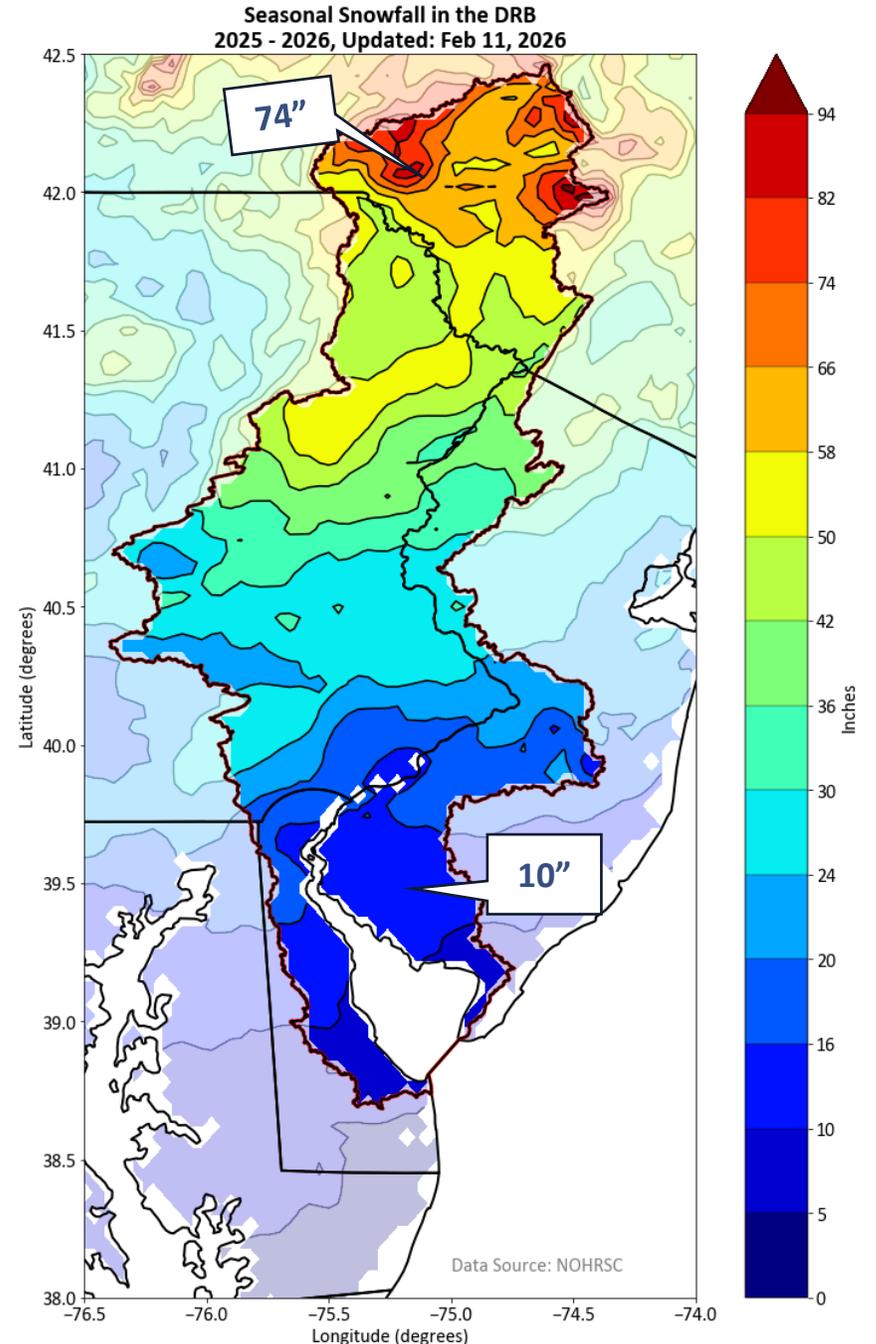
# Snowfall

Upper basin received about 74 inches this season so far. Lower basin has received about 5 inches.

## Number of Consecutive Days Snow Depth $\geq 5$ for Philadelphia Area, PA (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	Run Length	Dates
1	25	1961-01-20 through 1961-02-13
2	19	1893-01-06 through 1893-01-24
3	16	2010-02-06 through 2010-02-21
4	15	2026-01-26 through 2026-02-09
-	15	1899-02-06 through 1899-02-20
6	14	1982-01-14 through 1982-01-27
7	13	1895-02-02 through 1895-02-14
8	12	1909-12-25 through 1910-01-05
-	12	1905-01-25 through 1905-02-05
10	11	1996-01-08 through 1996-01-18
Last value also occurred in one or more previous years.		
Period of record: 1893-01-01 to 2026-02-09		



# Streamflow

A mix of normal conditions and below normal conditions throughout the Basin.  
Note: Ice impacts throughout the Basin.

## Flow Conditions:

Upper Basin: Normal to below normal

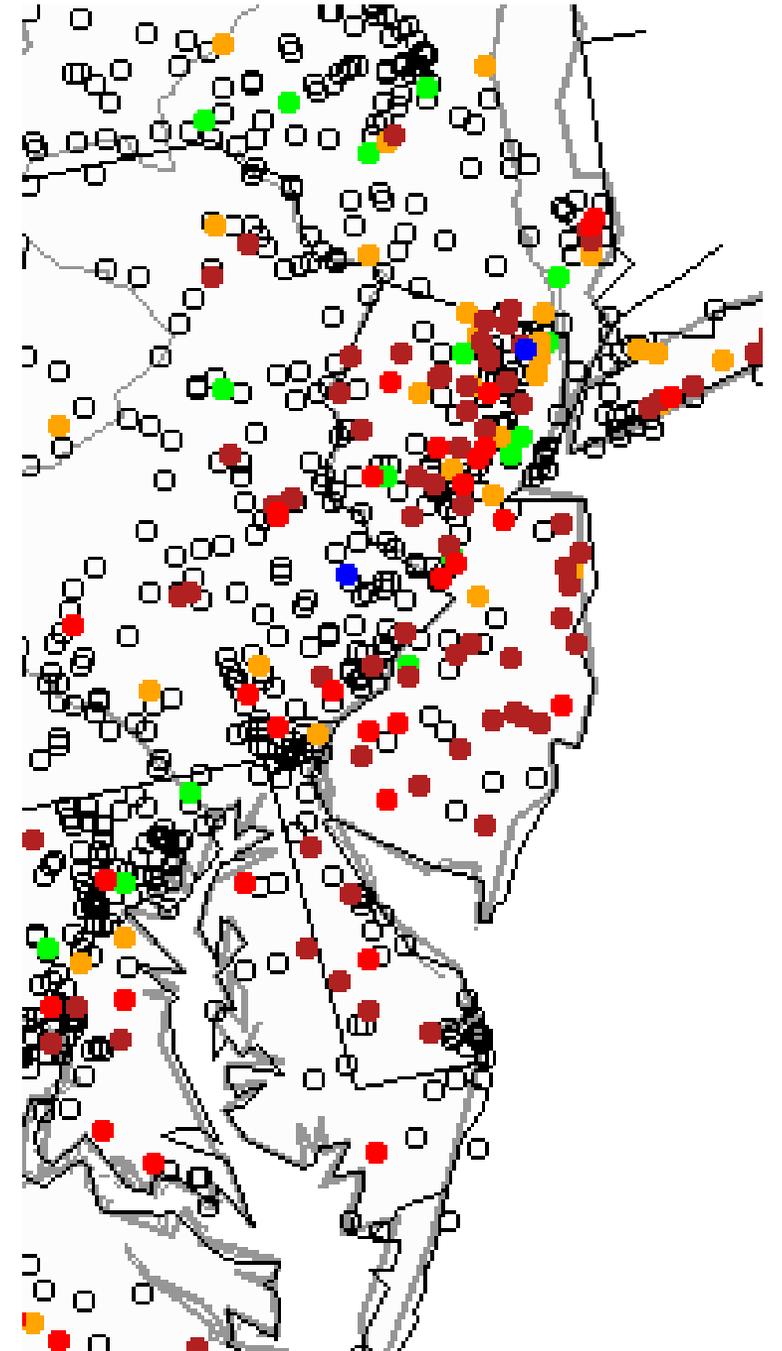
Central Basin: Normal to Much below normal

Lower Basin: Normal to Much below normal

Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Map last updated:  
10:18 am, February 10, 2026

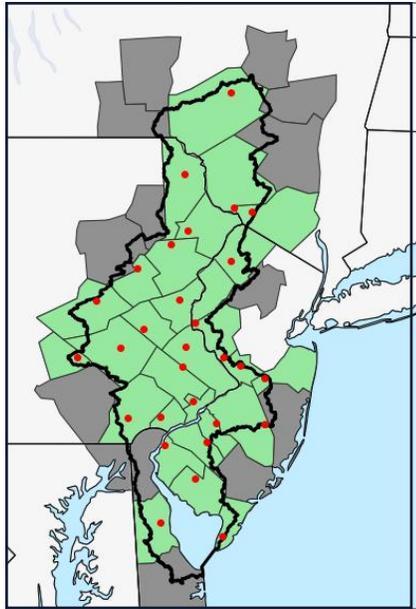
Data Source: USGS



# Groundwater Levels

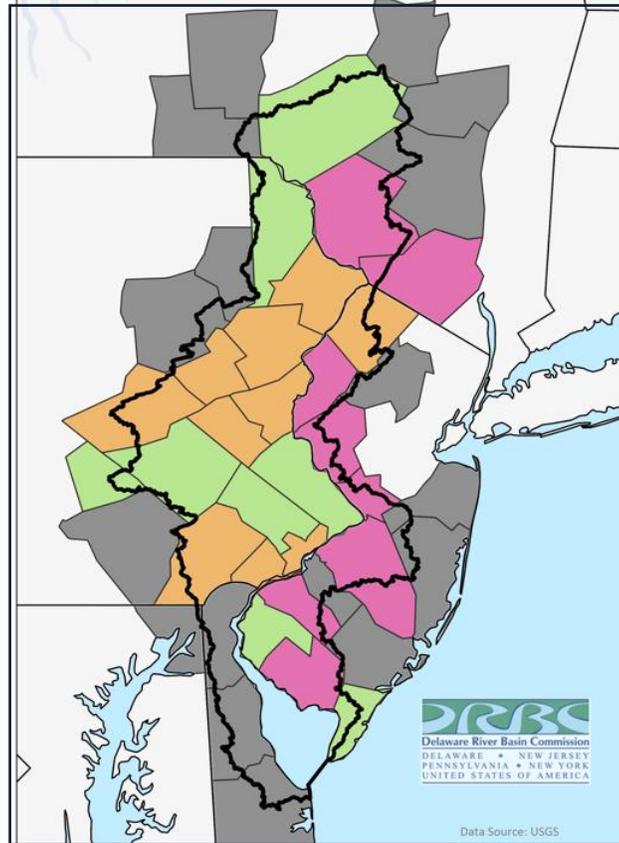
Groundwater levels have dropped with the persistent lack of precipitation.

Reference Wells

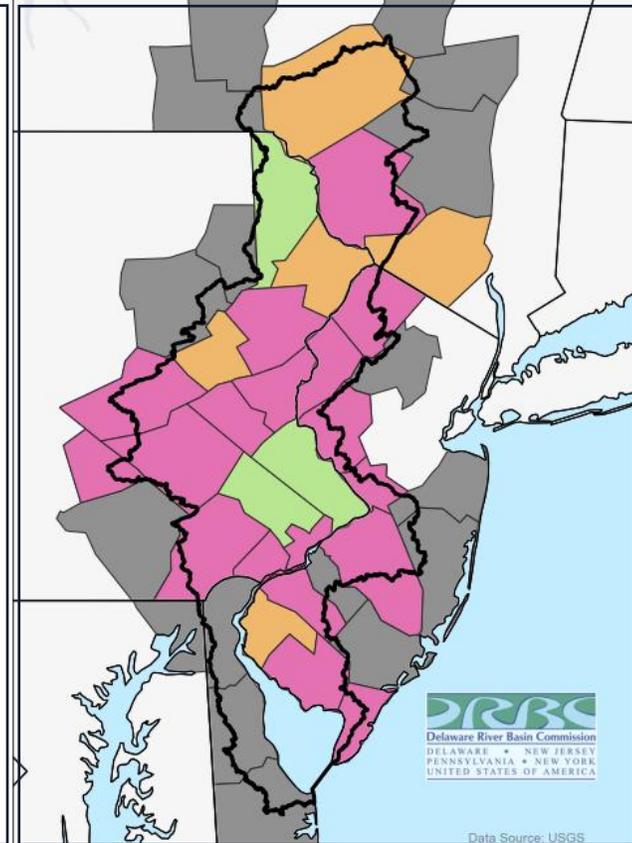


— Basin Boundary    ■ County contains well  
● Well Location    ■ No well available within DRB

October 12, 2025



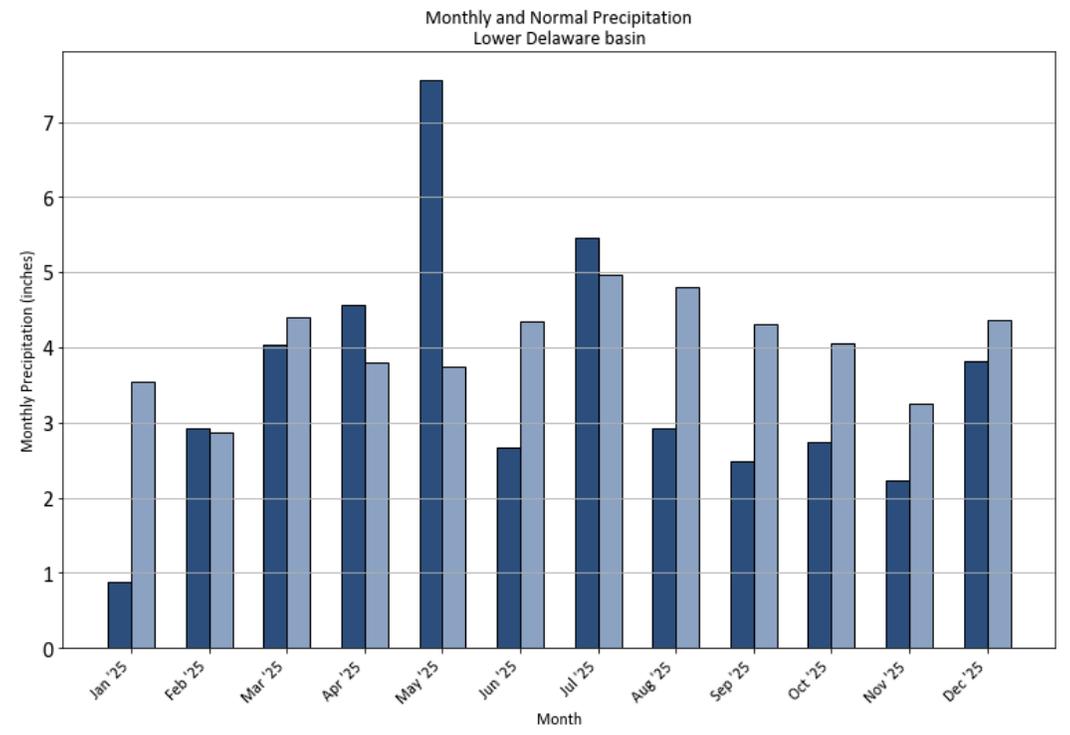
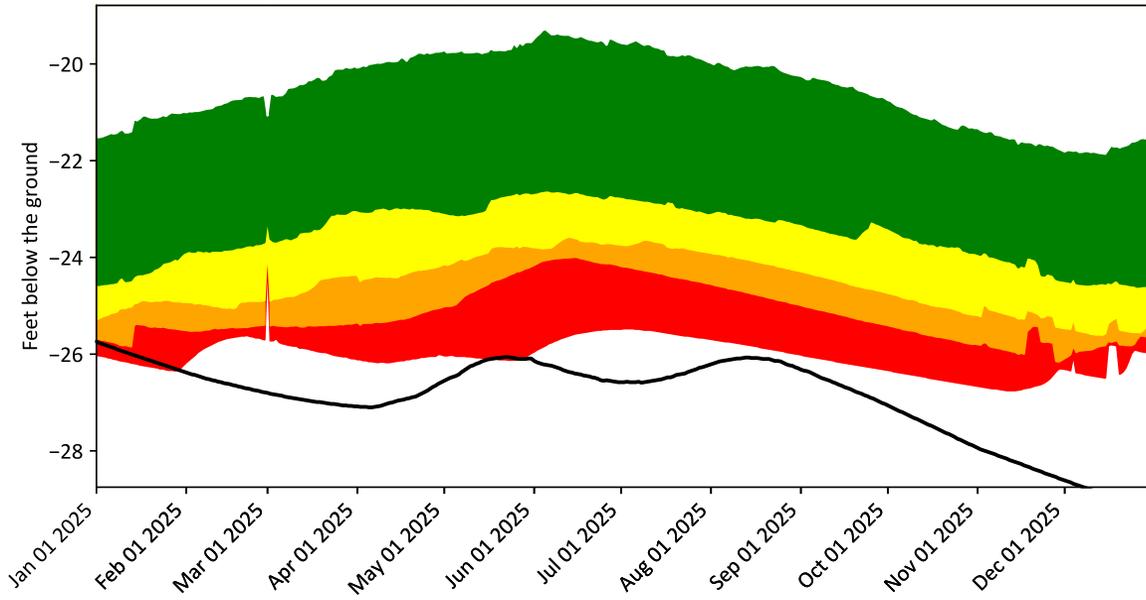
February 9, 2026



— Basin Boundary    ■ Much Above Normal    ■ Below Normal  
■ Above Normal    ■ Much Below Normal  
■ Normal    ■ Data unavailable

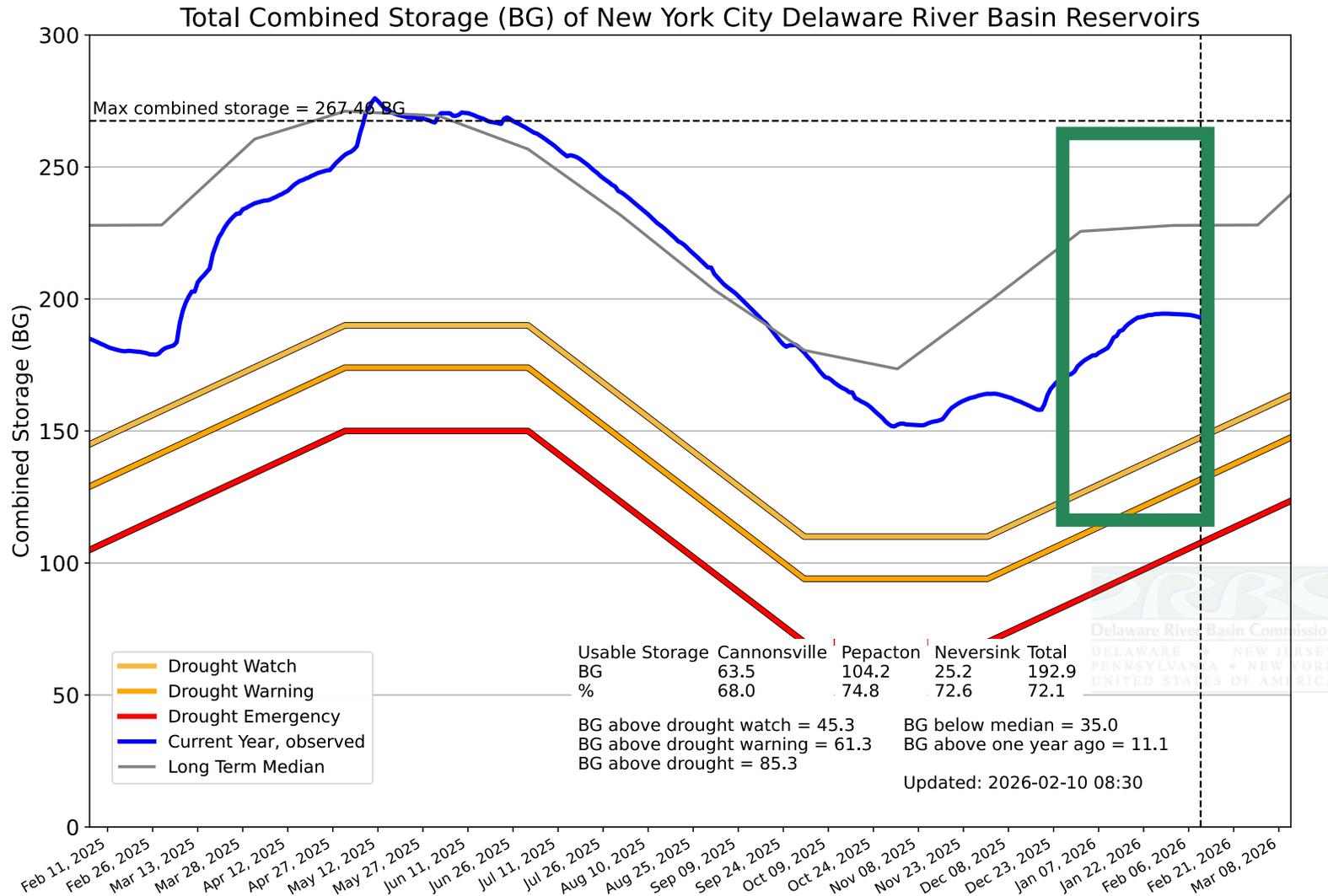
# Groundwater Levels

Groundwater levels are slow to recover in some areas even with recent precipitation.



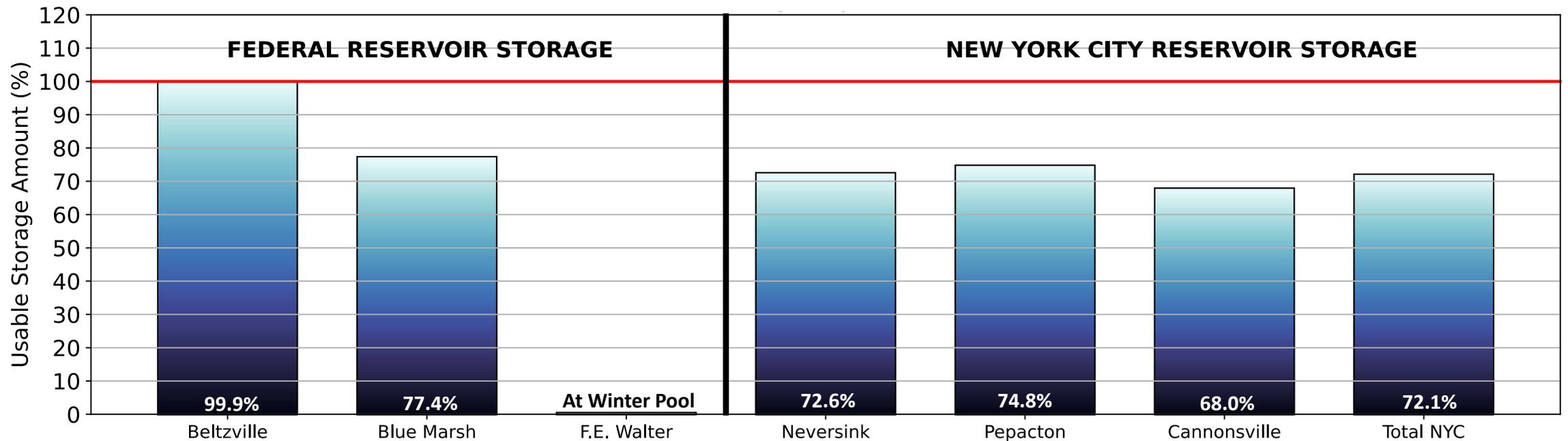
# New York City Reservoir Storage

Combined storage is below long-term median and 45.3 BG above drought watch.



# Reservoir Storage for Flow Management

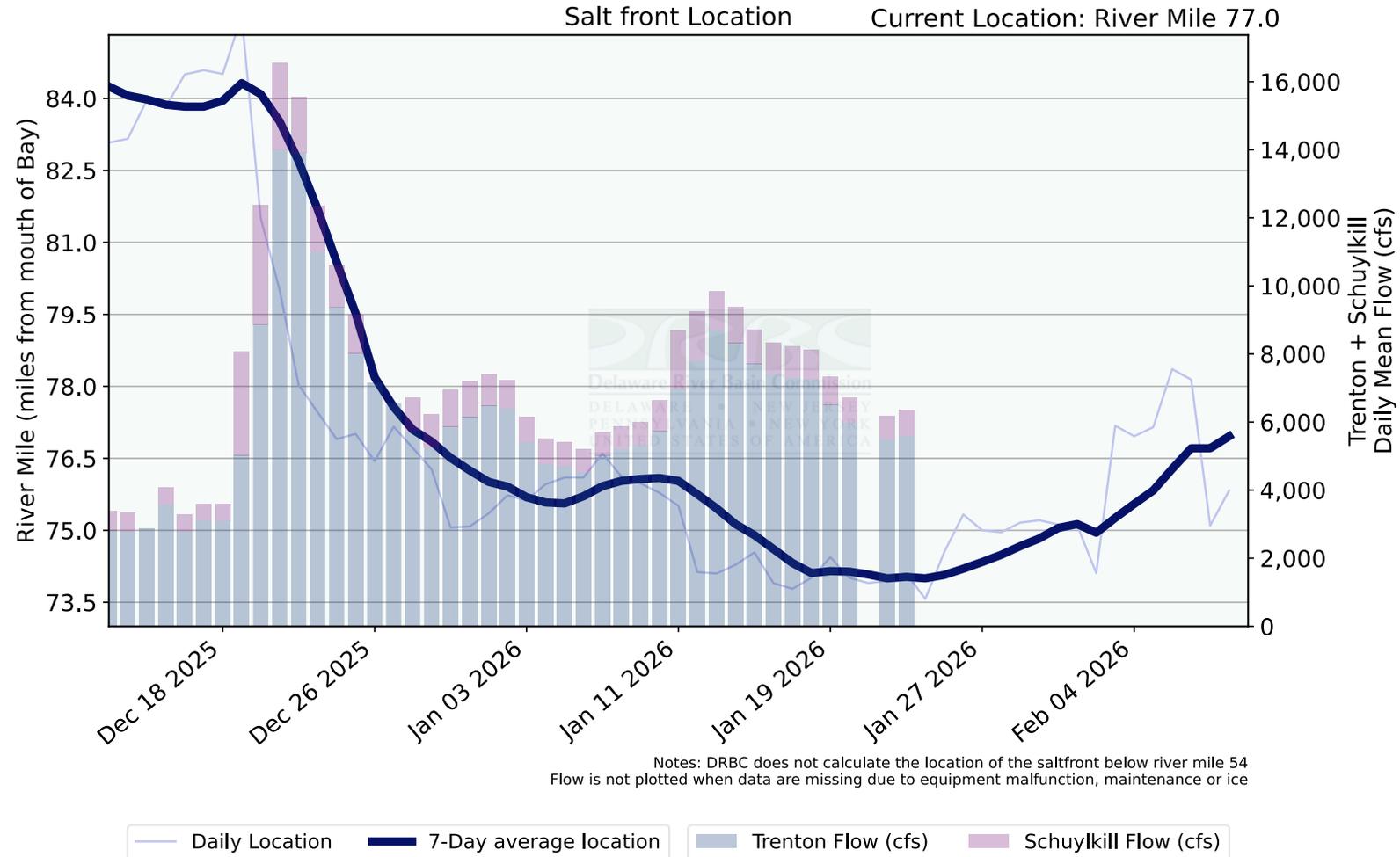
NYC and lower basin reservoirs are about 70-80% full.



Releases from Lower and Upper Basin Reservoirs are used to meet flow objectives.

# Salt Front Location

Salt front is currently at RM77 which is above the monthly average of RM69.

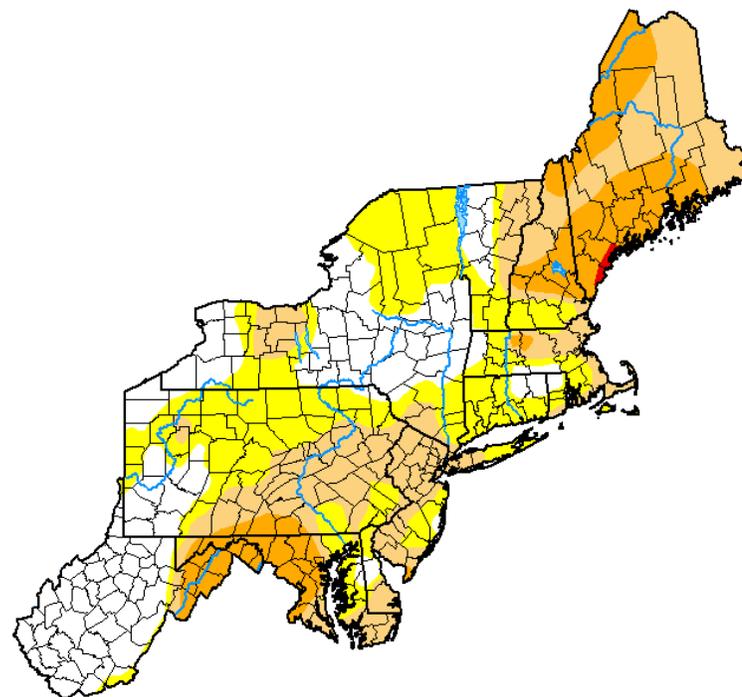


# Drought Monitor

Continued persistent dry conditions have led to drought conditions to continue in the Basin.

## U.S. Drought Monitor Northeast

February 3, 2026  
(Released Thursday, Feb. 5, 2026)  
Valid 7 a.m. EST



### Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

*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:

Lindsay Johnson  
National Drought Mitigation Center

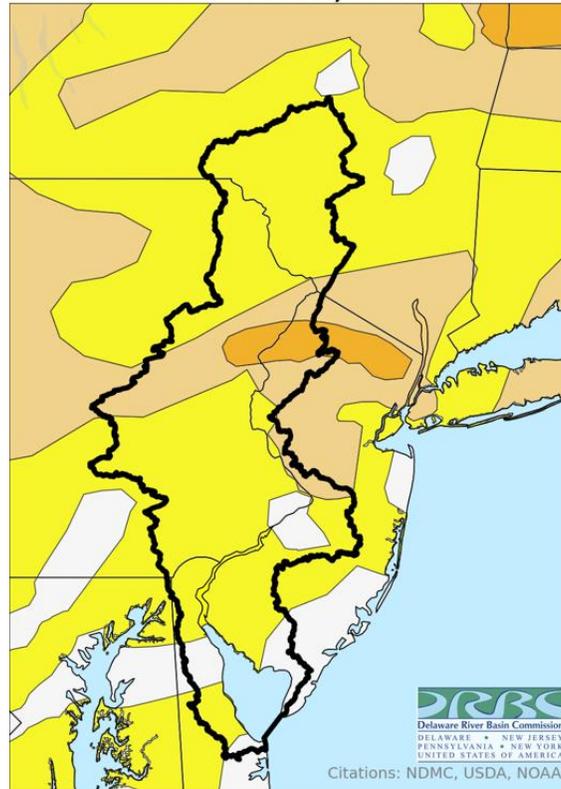


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

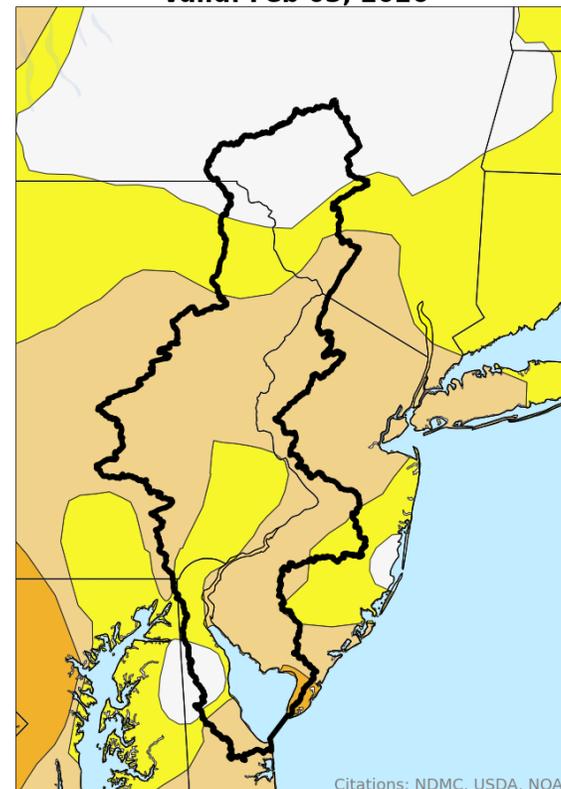
# Drought Monitor

Continued persistent dry conditions have led to drought conditions to continue in the Basin.

**Drought Monitor**  
Valid: Oct 07, 2025



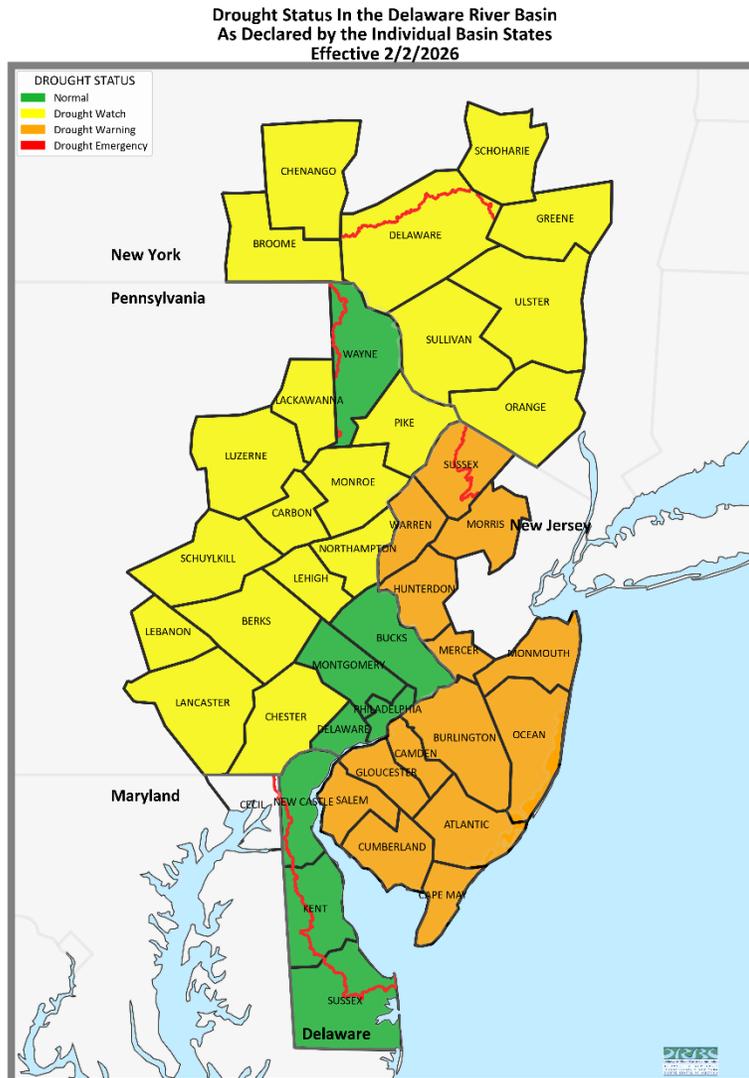
**Drought Monitor**  
Valid: Feb 03, 2026



- Basin Boundary
- D0 - Abnormally Dry
- D1 - Moderate Drought
- D2 - Severe Drought

# Current Drought Status

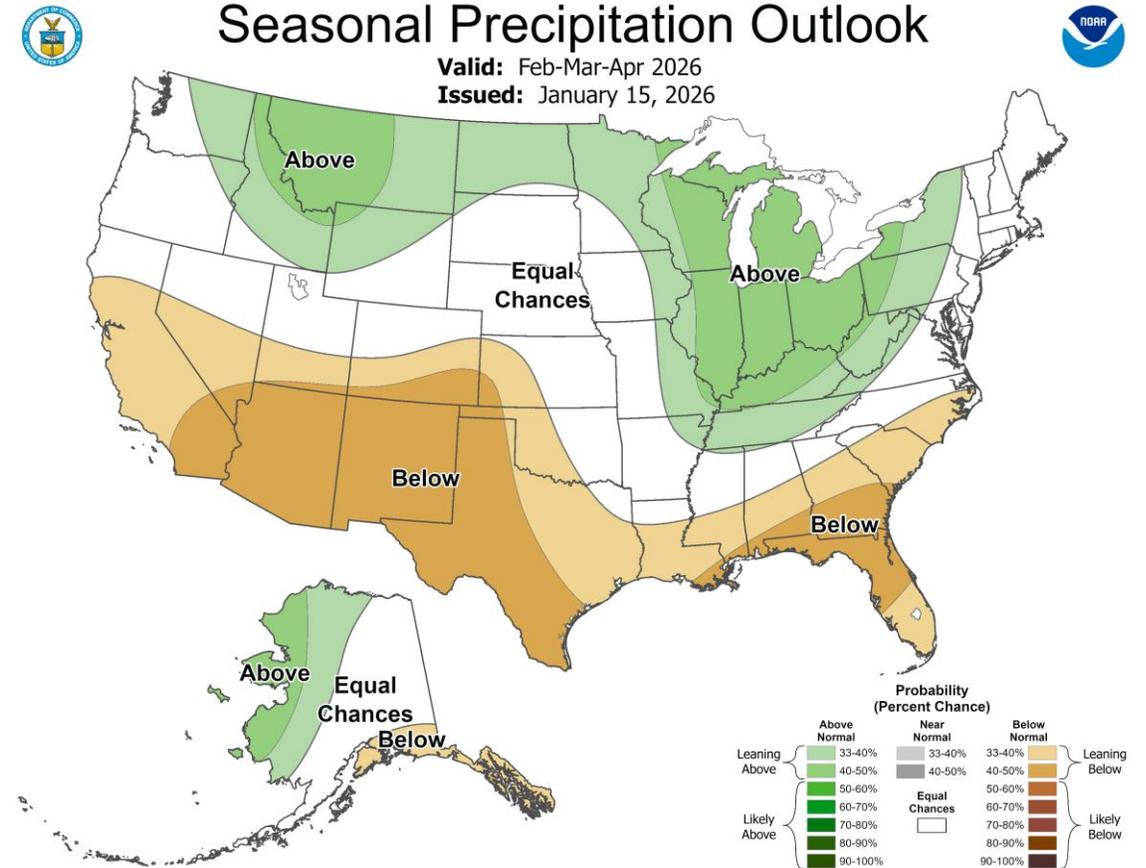
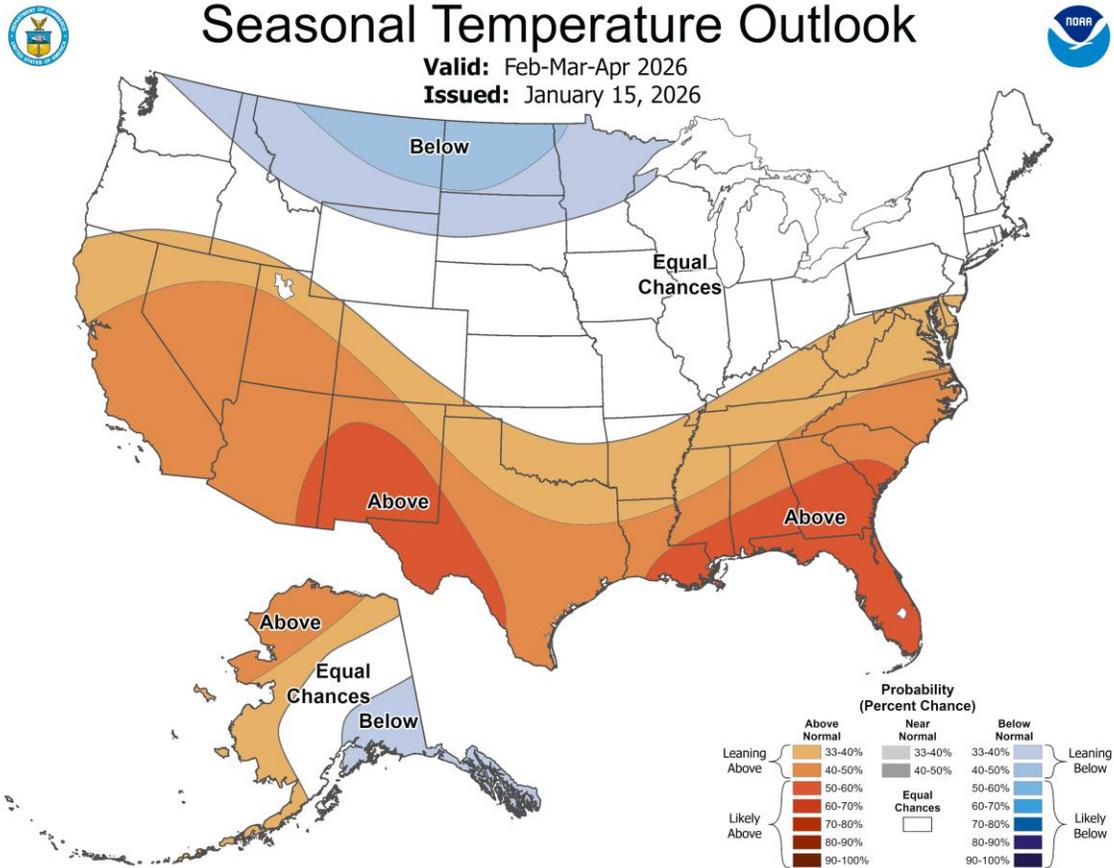
Most counties in the DRB are under some sort of drought watch.



- DRB drought status is normal
- NJ: Statewide drought warning as of December 2025
- DE: Normal
- NY: Drought Watch as of December 2025
- PA: Drought Watch in all counties except 4 DRB counties

# NOAA Seasonal Outlook

Equal chances of either a warm/cold and wet/dry spring.



# Ice Accumulation

Warm up over the next week expected to support the breaking up or melting of some ice in the Delaware.

## U. S. NATIONAL ICE CENTER MID-ATLANTIC ICE ANALYSIS ICE CONCENTRATION

ICE DATE: 10 FEB 2026

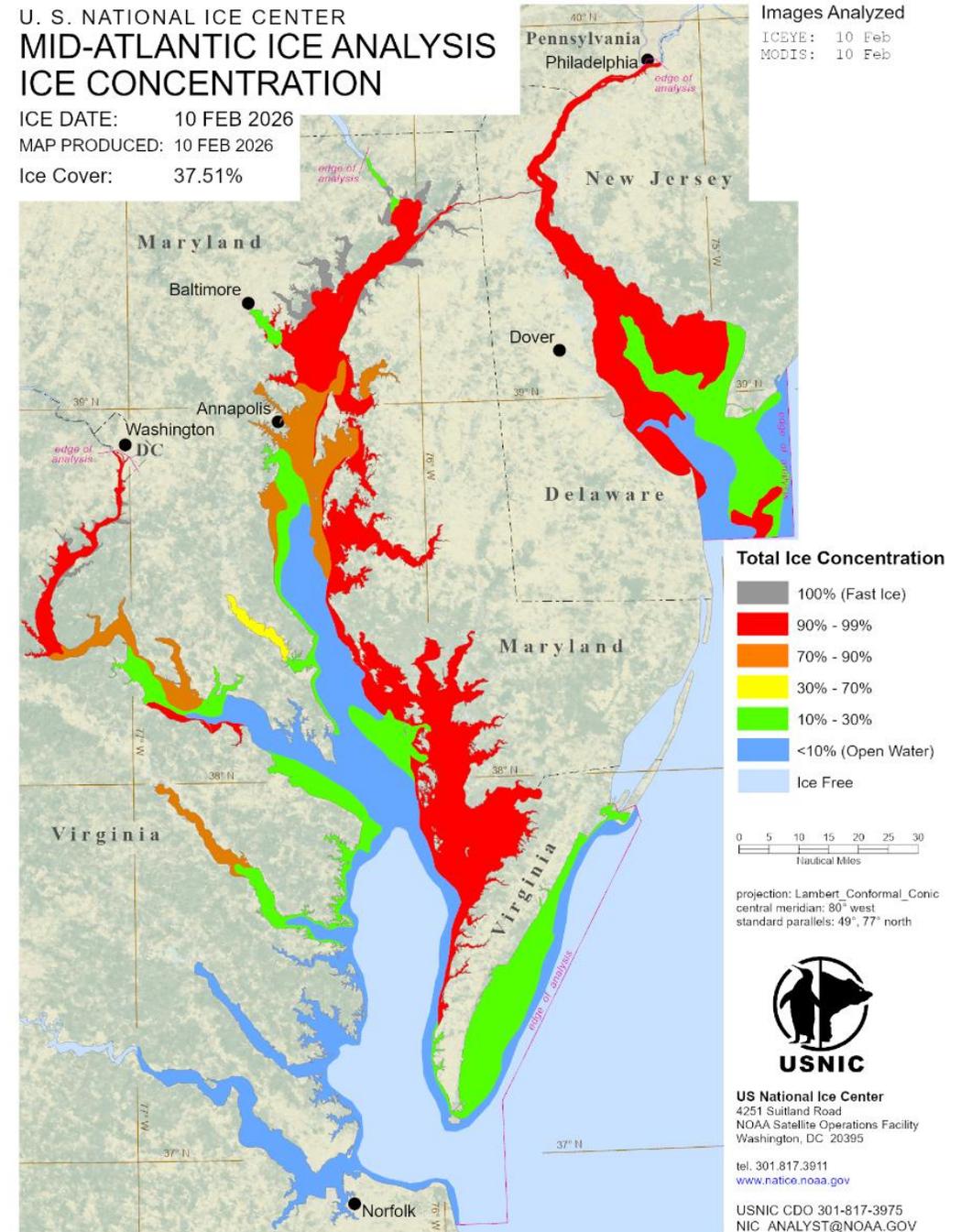
MAP PRODUCED: 10 FEB 2026

Ice Cover: 37.51%

Images Analyzed

ICEYE: 10 Feb

MODIS: 10 Feb



# Ice Accumulation

Marine and River ice are expected to persist in the Delaware river and bay.



2026-02-09 | 16:00 UTC | GOES-19 | ABI | GeoColor

Credit: CISA, NOAA

# Hydrologic conditions summary

- Conditions remain persistently dry, which is reflected by below normal groundwater conditions and low flows in the streams.
- Three-month outlook – 50/50 chance of the season being warm and wet or cool and dry.
- Streamflows continue to be impacted by ice that has formed over the last two weeks.

**Enjoy the spring!**

