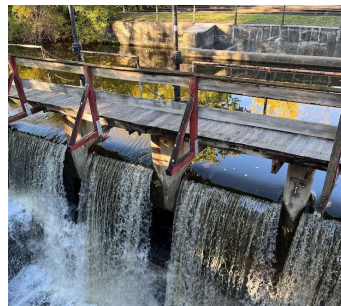


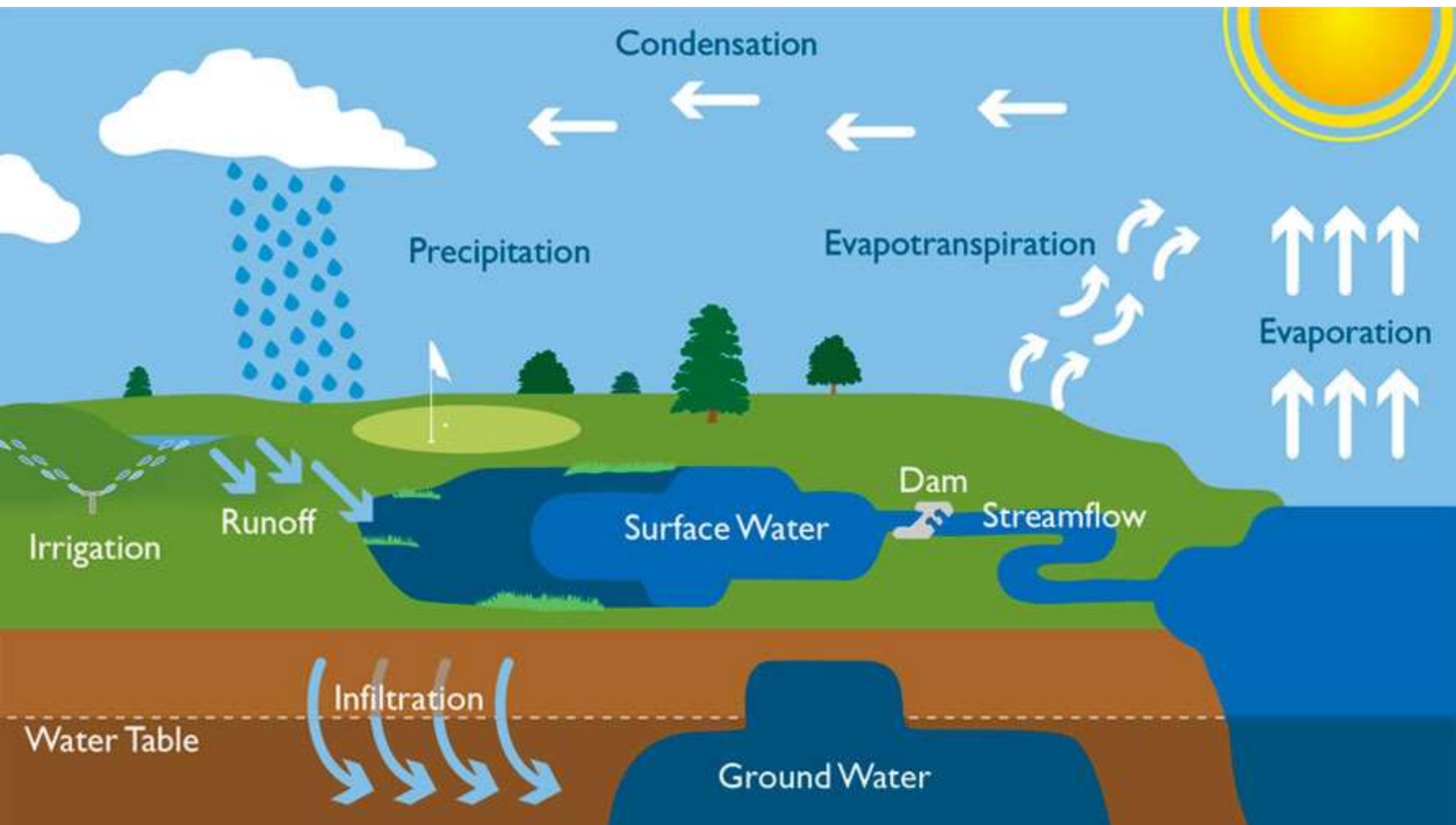
Delaware River Basin Commission

Hydrologic Conditions

Amy L. Shallcross, PE
Manager, Water Resource
Operations

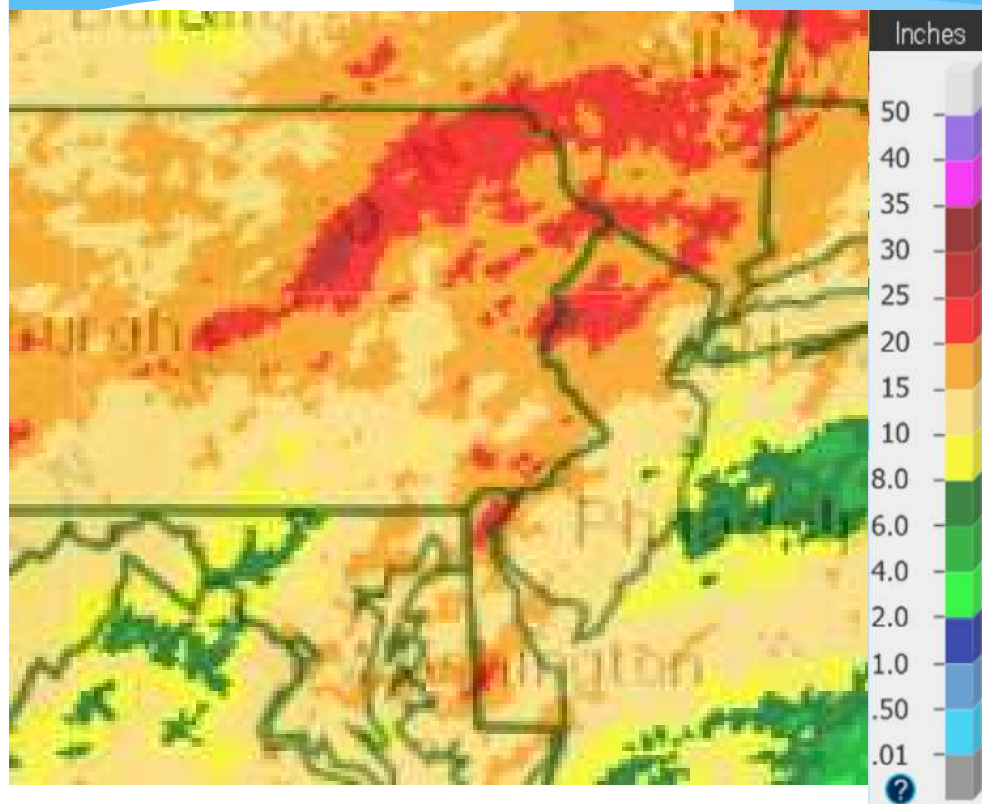
Commission Business Meeting
September 7, 2023



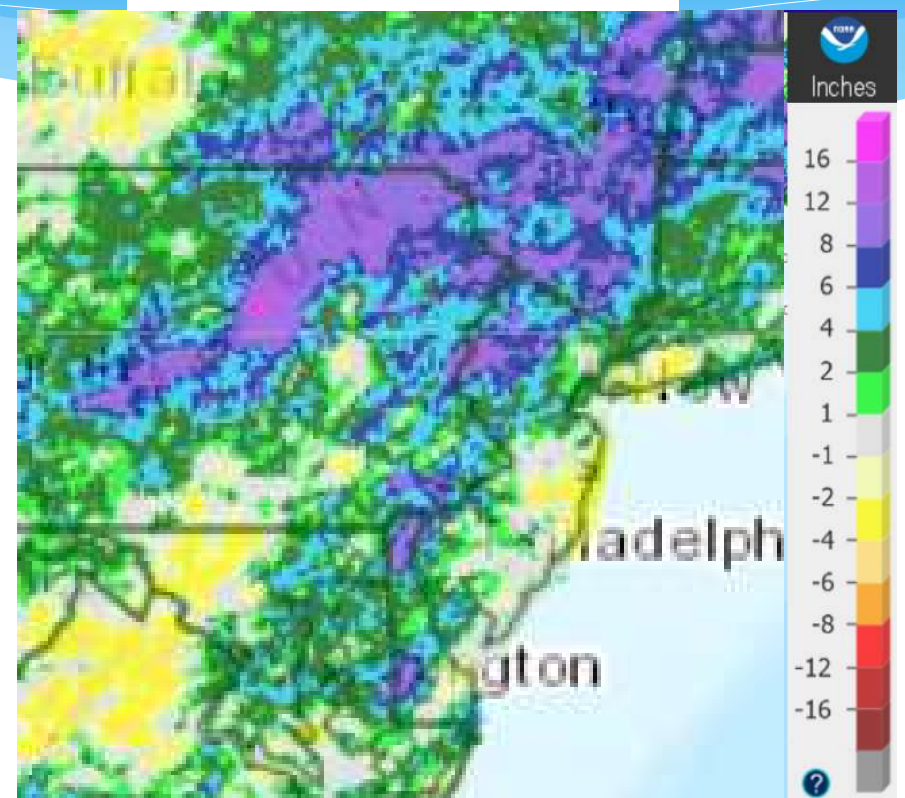


90- Day Precipitation

Observed Precipitation - Inches



Departure from Normal - Inches



Data Source: AHPS

Basinwide Average: 18.7" Basinwide Departure: 5.8"

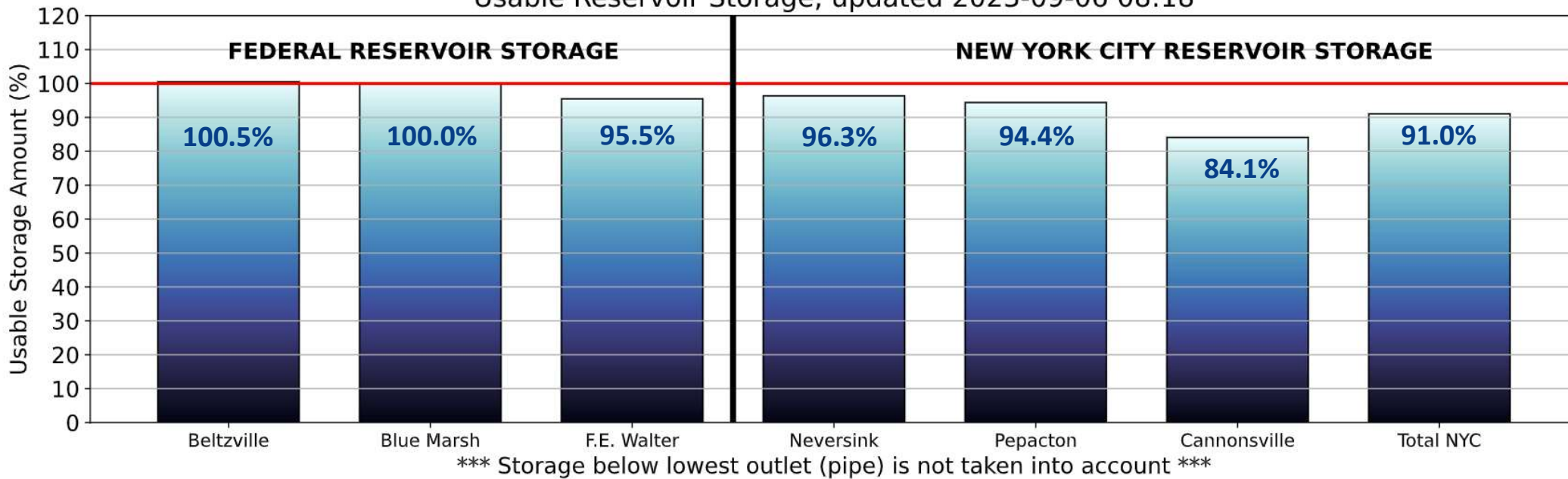
Reservoir Storage

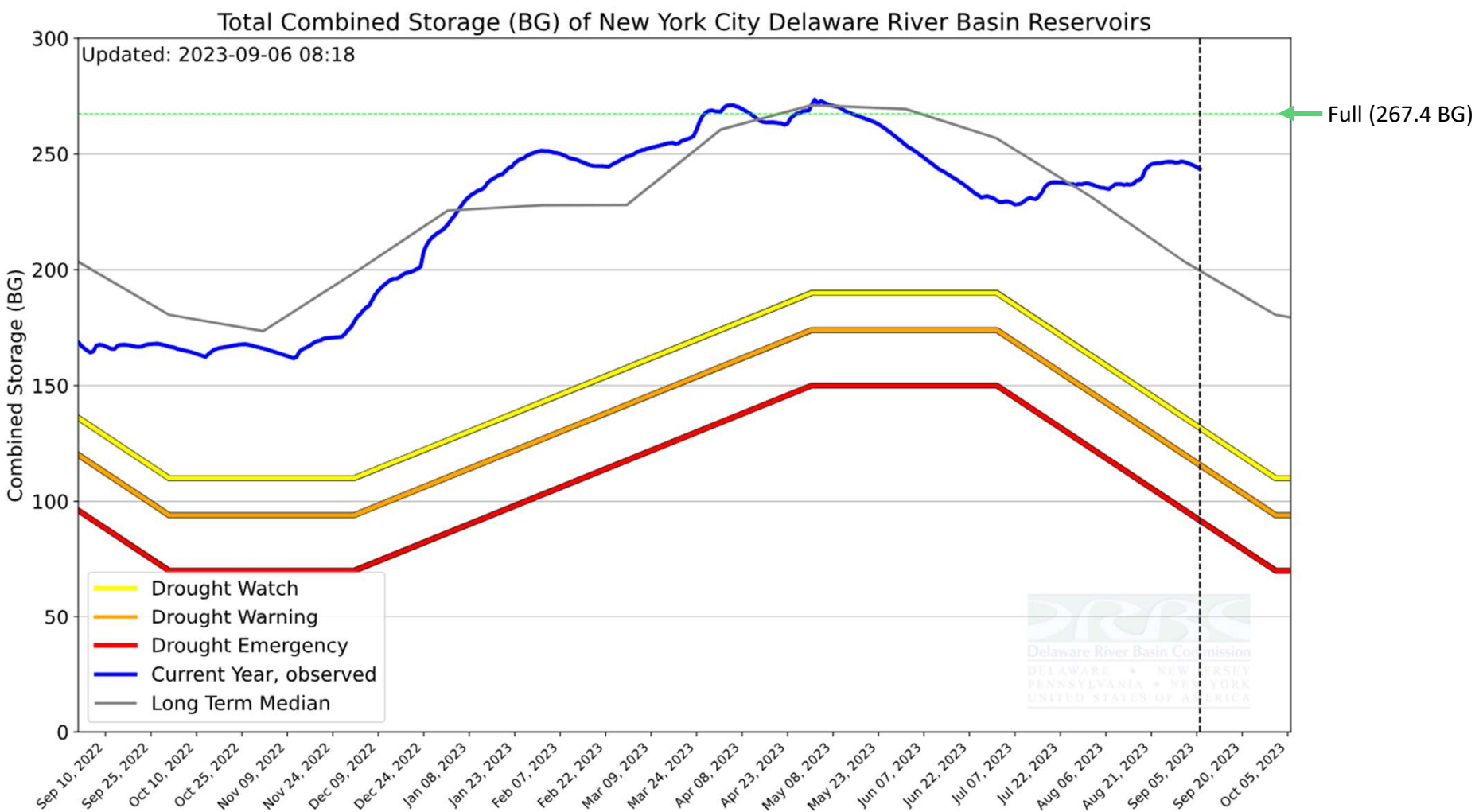


- * Thirteen major reservoirs in the basin's **drought management plan**
- * DRB Water Code Sections 2.5.3-2.5.6, 18 CFR Part 410, and Flexible Flow Management Program
- * Two Flow Objectives
 - * Montague, NJ – Releases from NYC Reservoirs
 - * Trenton, NJ – Releases from DRBC Storage in USACE Reservoirs (Beltzville, Blue Marsh, help from FEW)
- * Flow objectives change based on drought status and salt front

Basin Storage

Usable Reservoir Storage, updated 2023-09-06 08:18













Usable Storage	Cannonsville	Pepacton	Neversink	Total	BG above drought watch = 111.8	BG above median = 43.8
BG	78.6	131.5	33.4	243.5	BG above drought warning = 127.8	BG above one year ago = 76.3
%	84.1	94.4	96.3	91.0	BG above drought = 151.8	



Streamflow

Upper Basin: Above Normal
Central Basin: Normal
Lower Basin: Normal to 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: 7:30 AM September 7, 2023

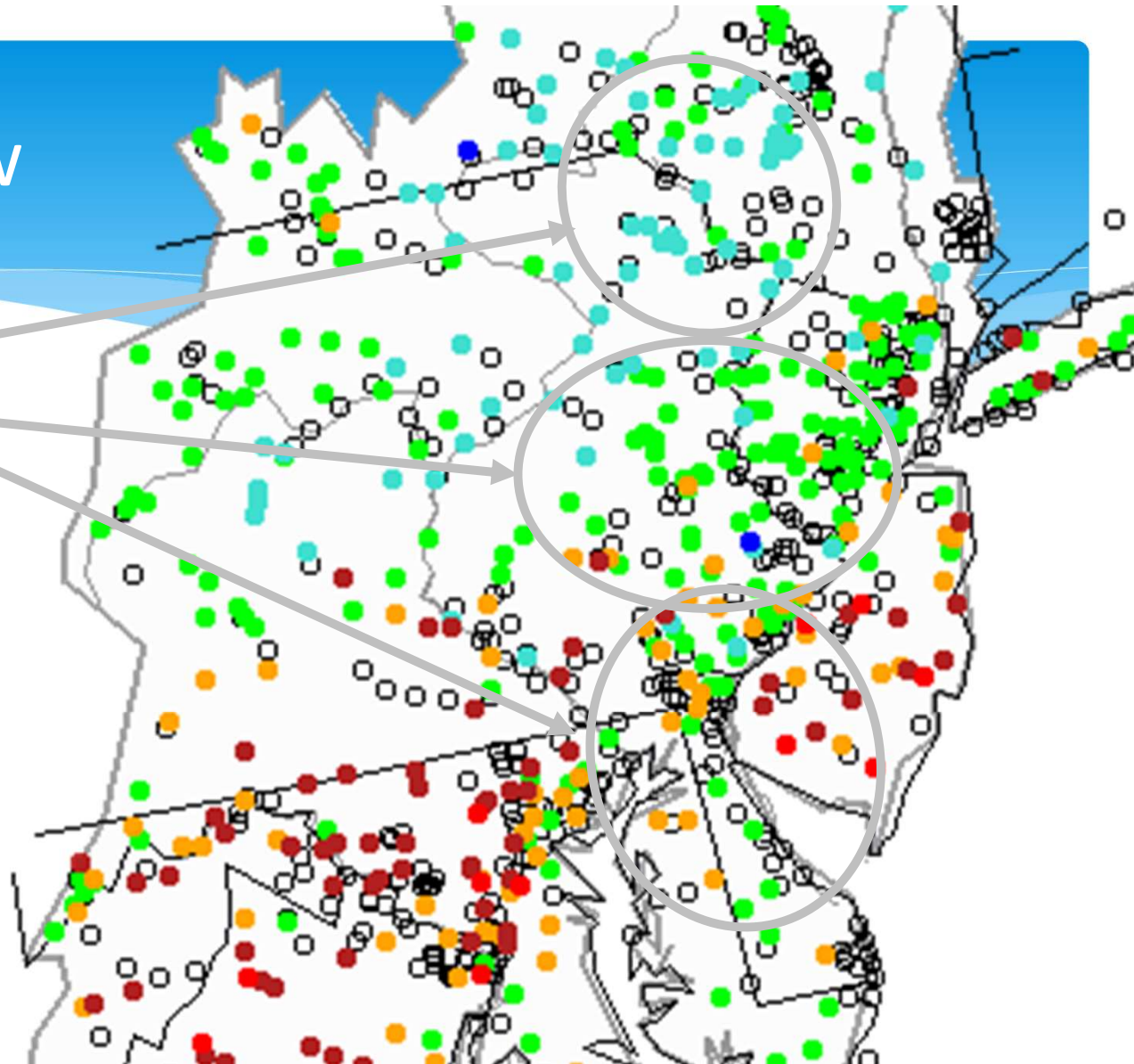
Delaware River:

@ Montague 115 %

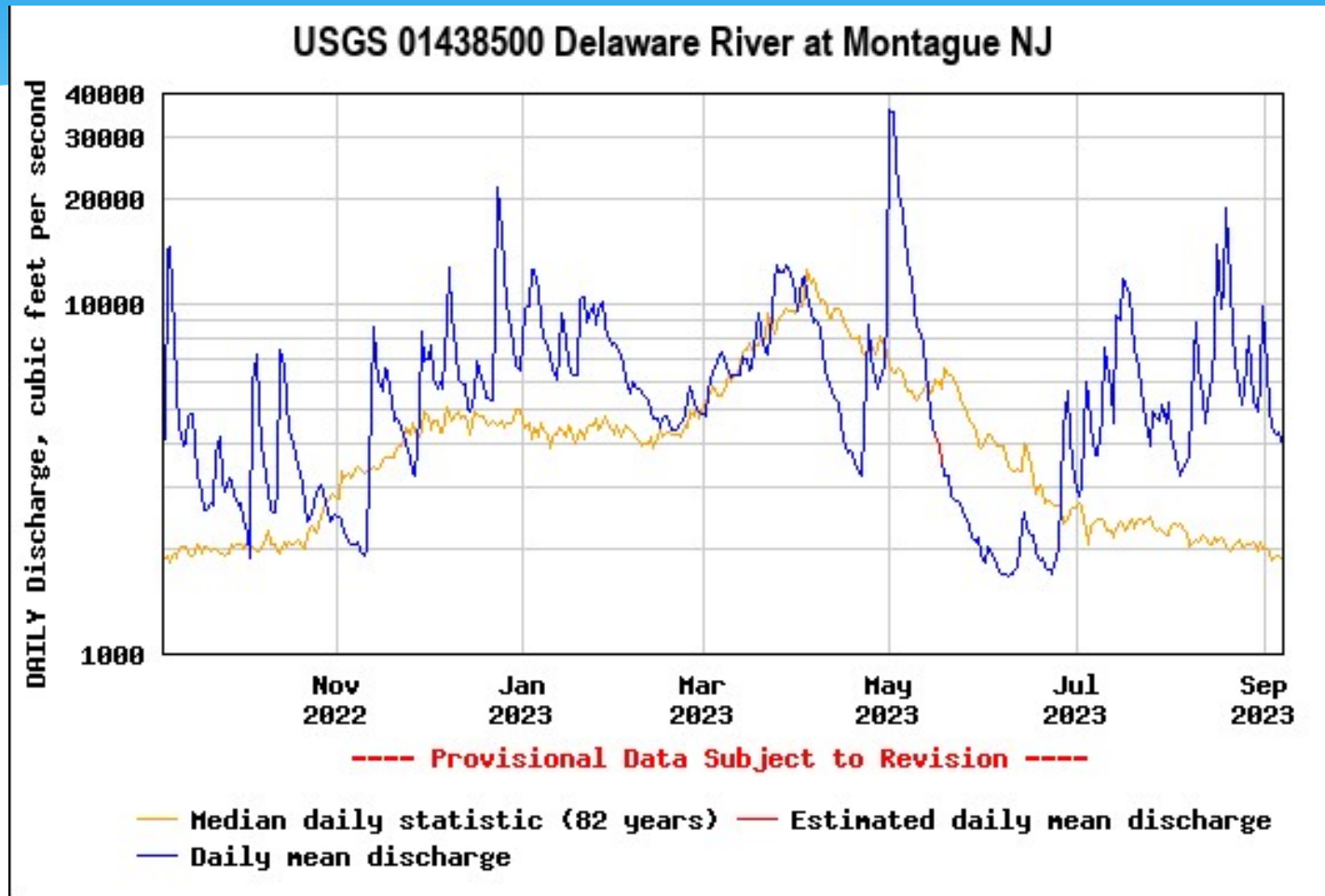
@ Trenton 113 %

Lehigh River @ Glendon 117%

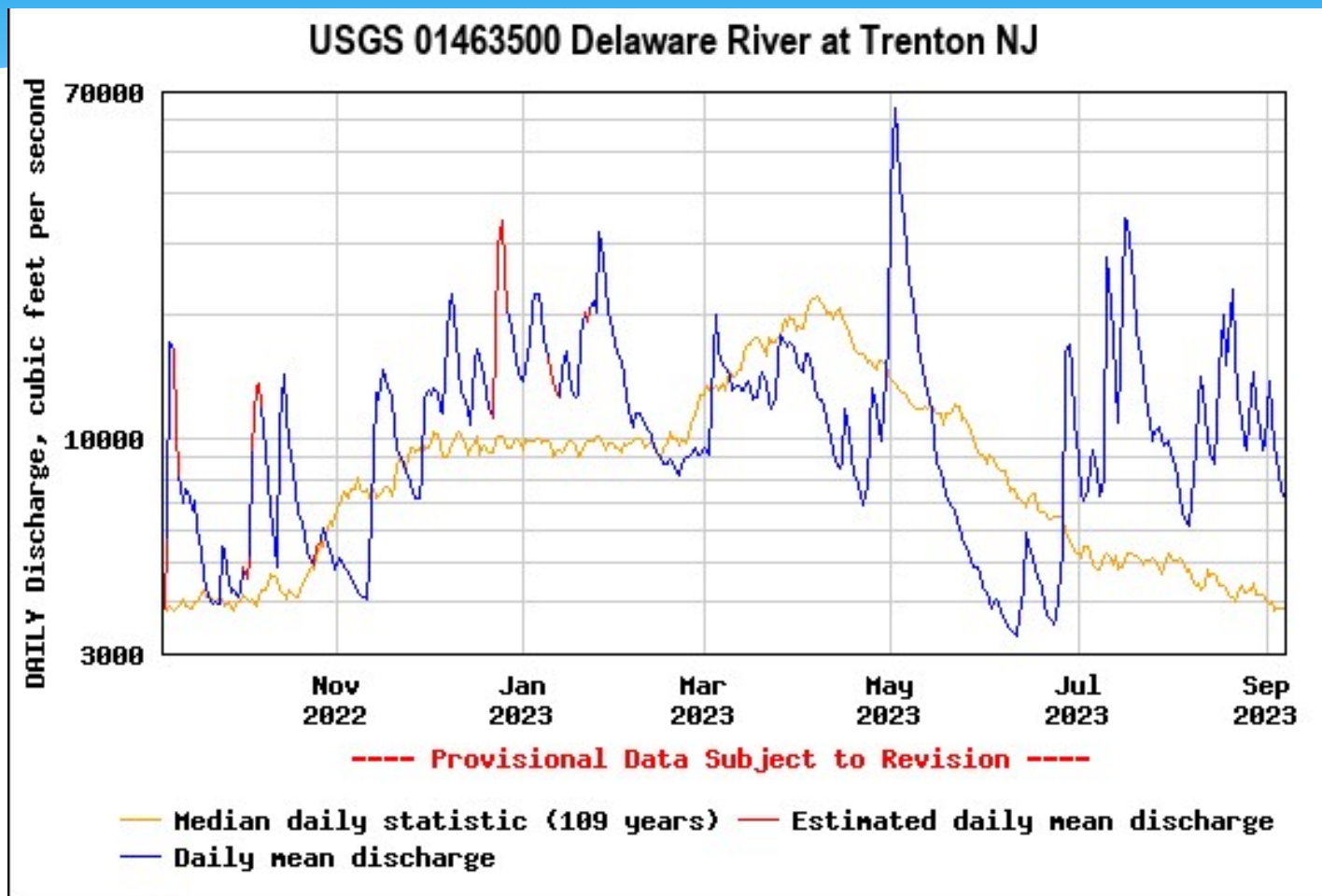
Schuylkill River @ Phila. 57 %



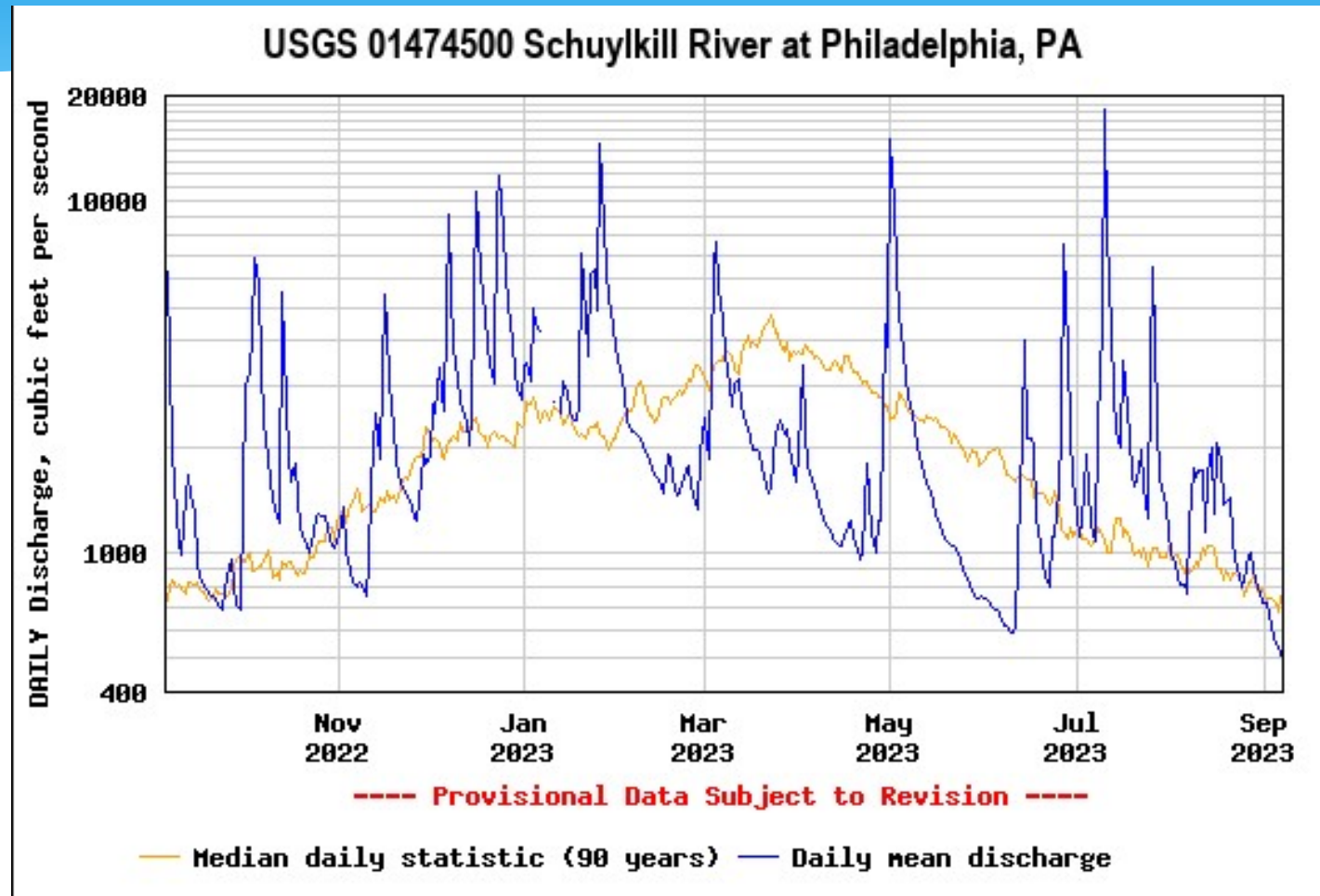
Delaware River @ Montague

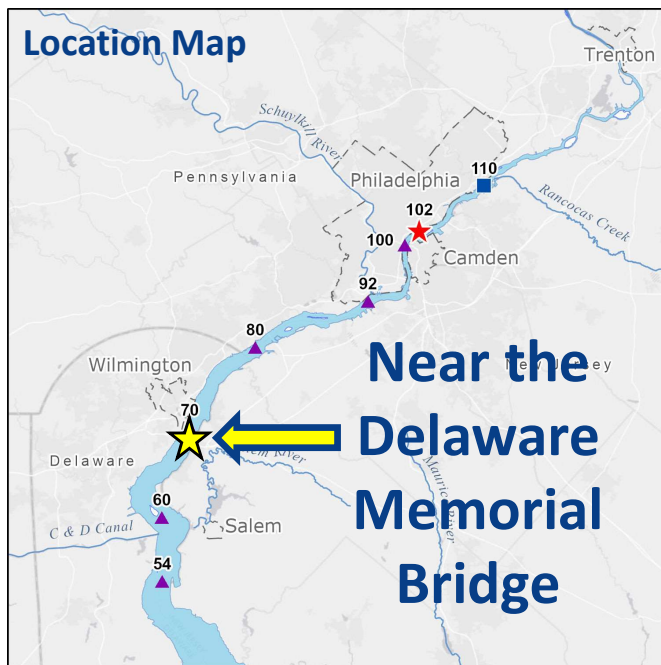


Delaware River @ Trenton



Schuylkill River @ Philadelphia





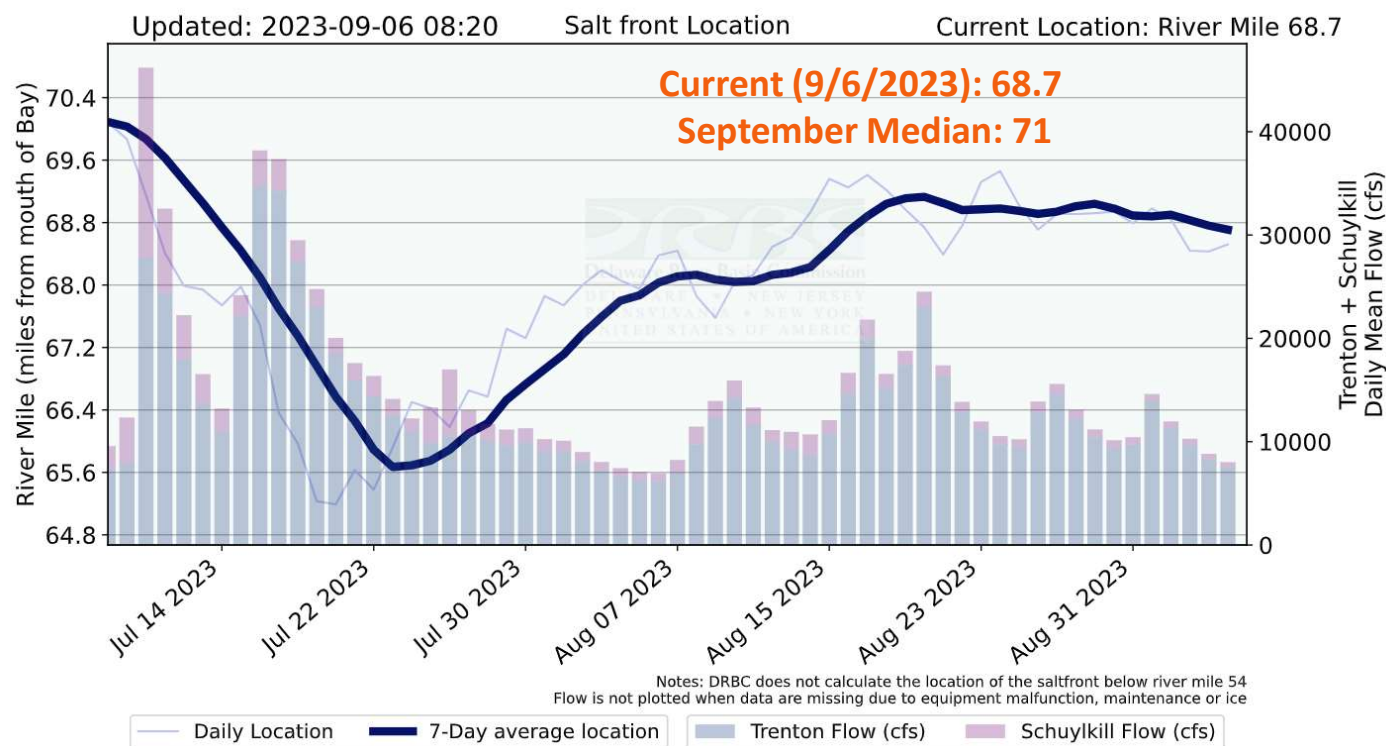
The salt front is the 7-Day Average Location of the 250 mg/L isochlor

The Flow Objective at Trenton was designed to repel salinity for the protection of drinking water treatment facilities and industrial intakes.

Source: DRBC

Salt Front

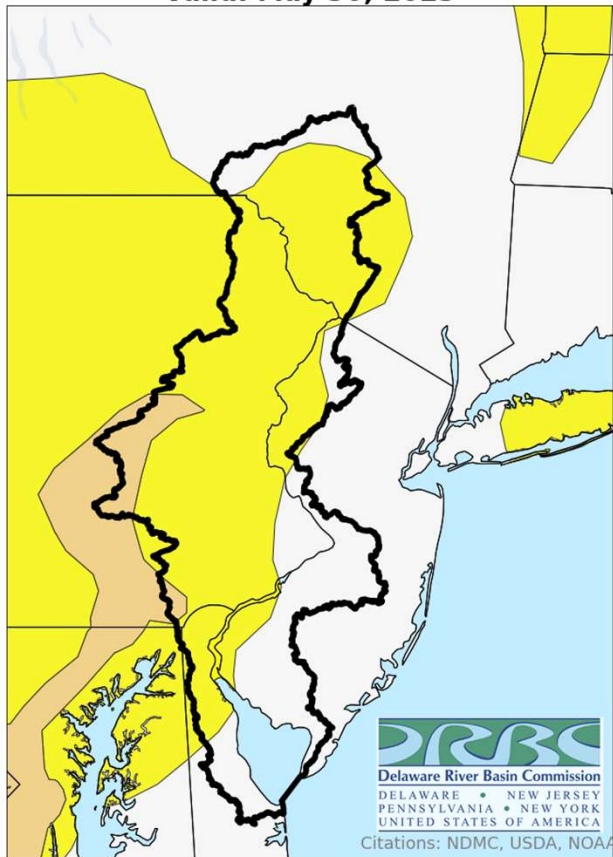
the Estuary Salinity Indicator



Check out the new interactive **Salt Front Viewer** at www.drbc.net/sky/hydro/saltfront.html



Drought Monitor
Valid: May 30, 2023

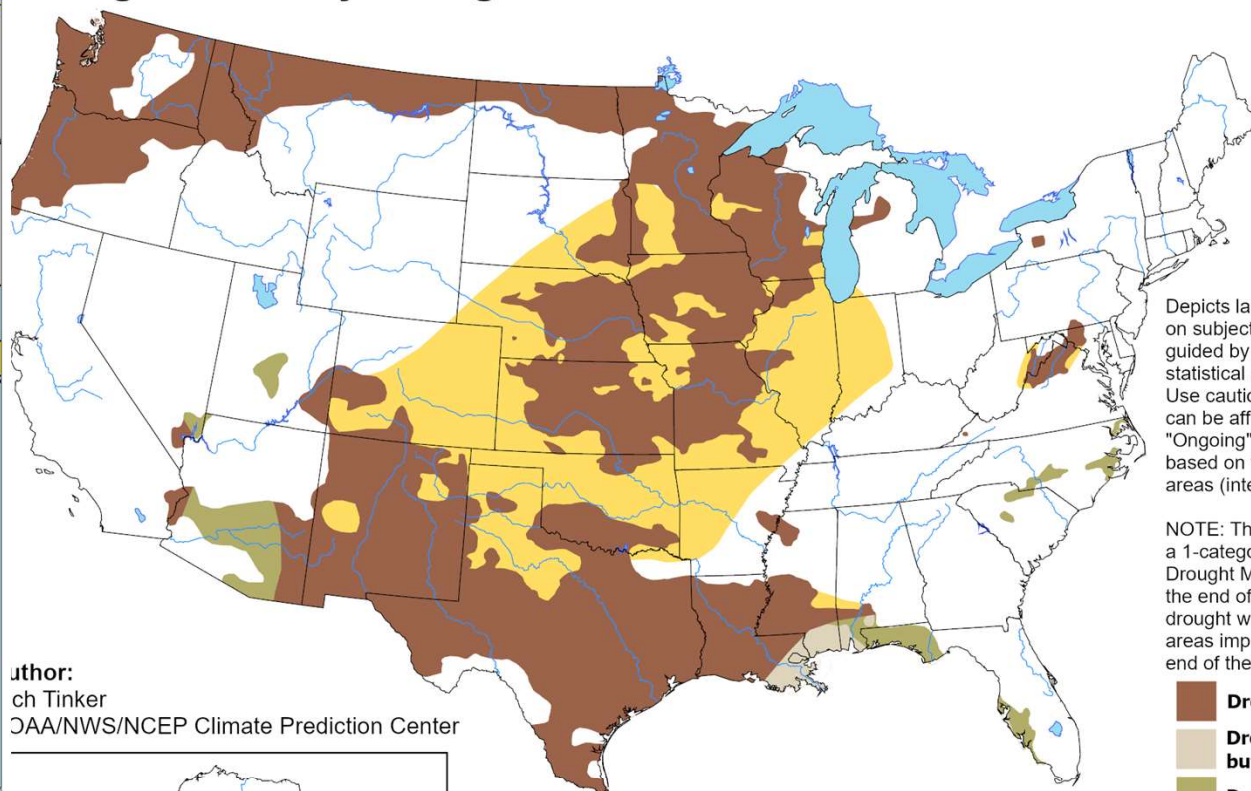


- Basin Boundary
- D0 - Abnormally Dry
- D1 - Moderate Drought
- D2 - Severe Drought

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for September 2023
Released August 31, 2023

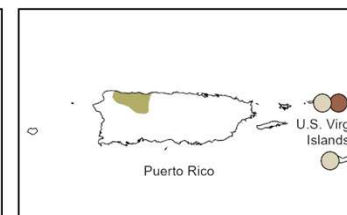
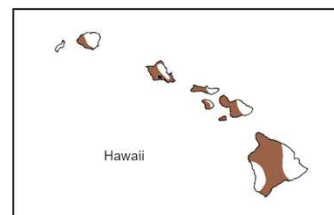


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains, but improves
- Drought removal likely
- Drought development likely
- No drought

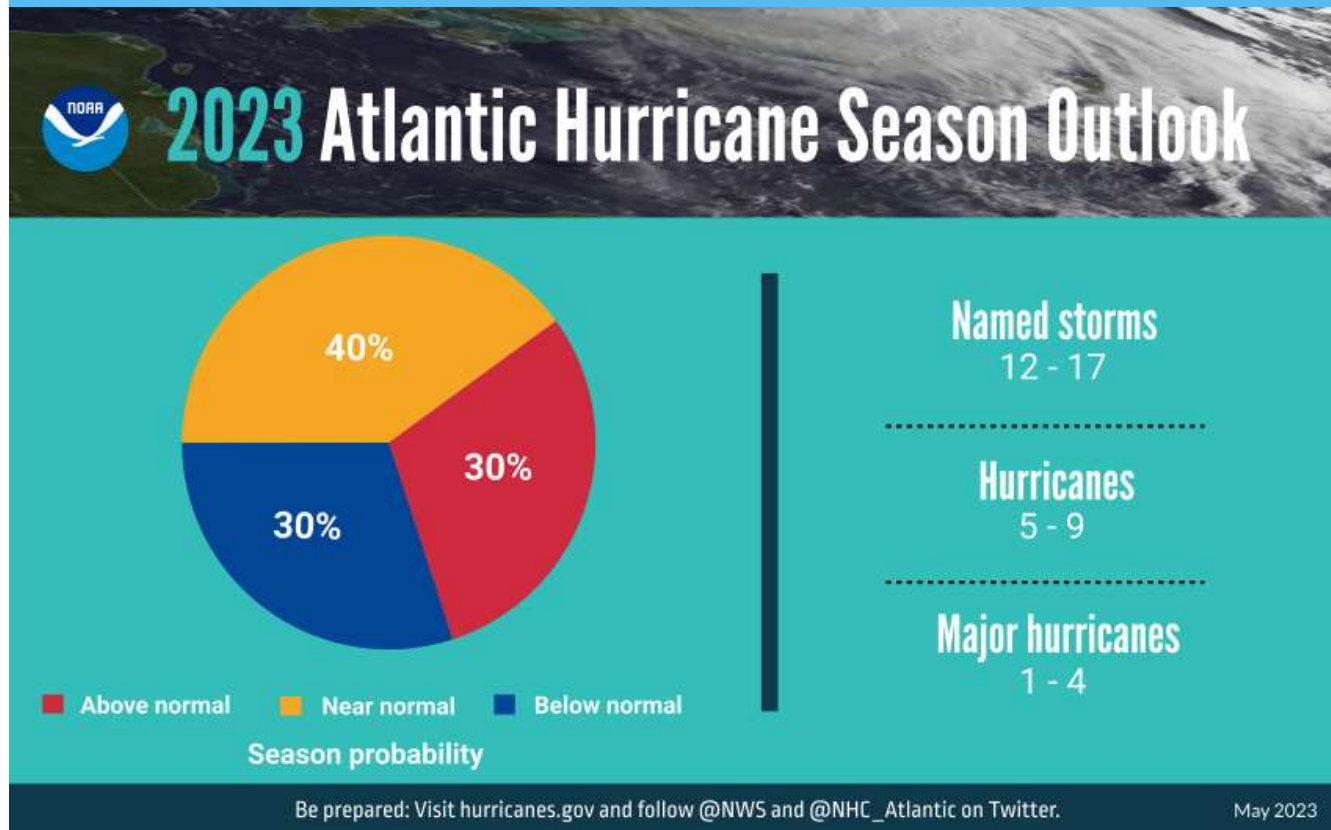
Author:
John Tinker
NOAA/NWS/NCEP Climate Prediction Center



<https://go.usa.gov/3eZGd>

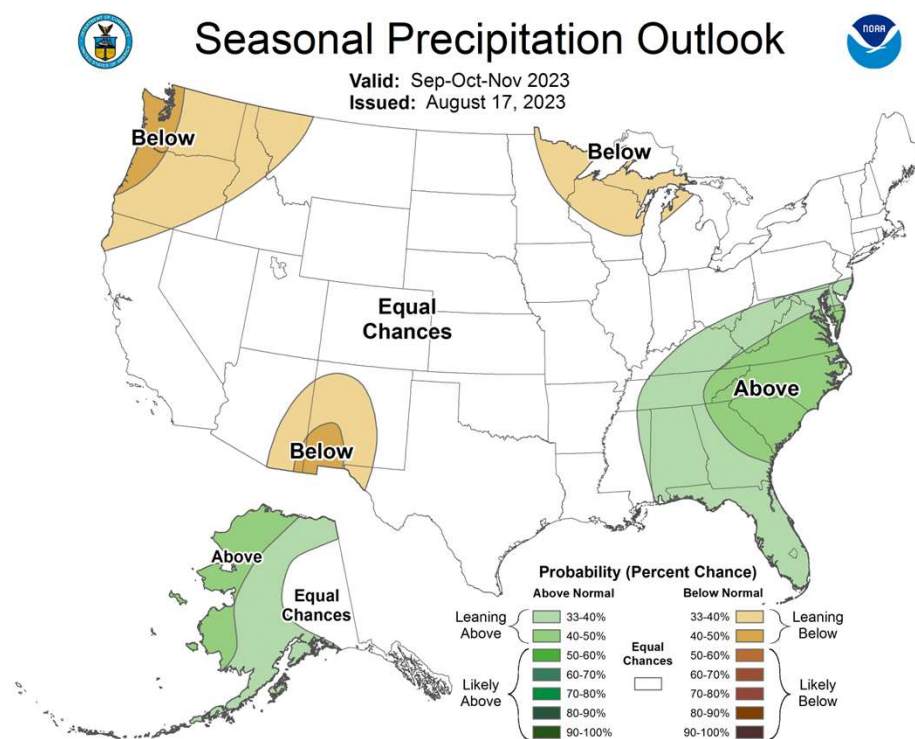
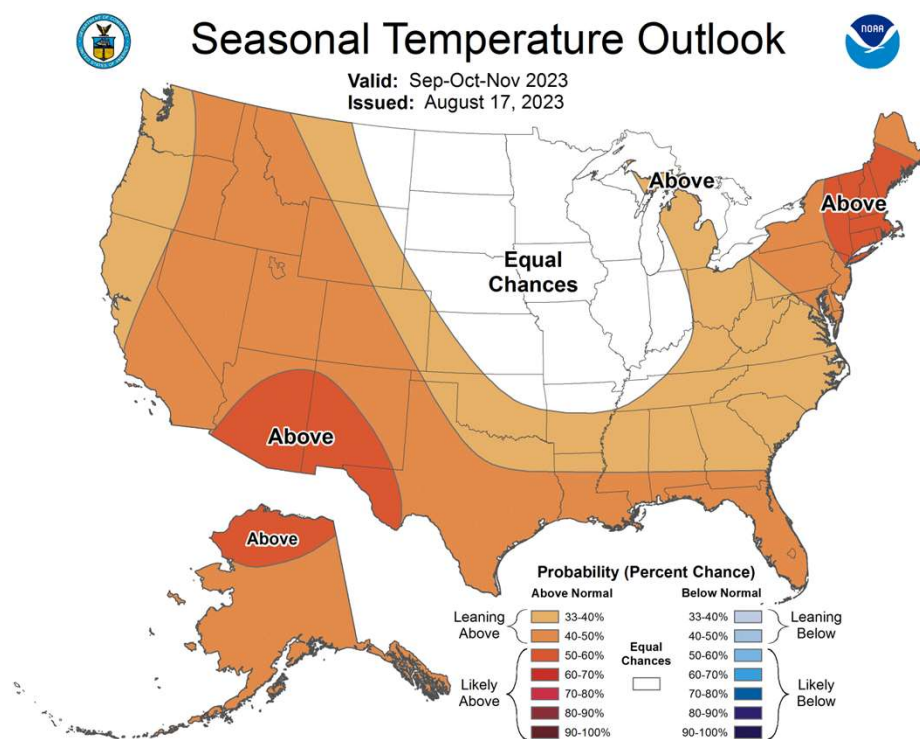
Data Source: NOAA CPC

Hurricane Outlook 2023

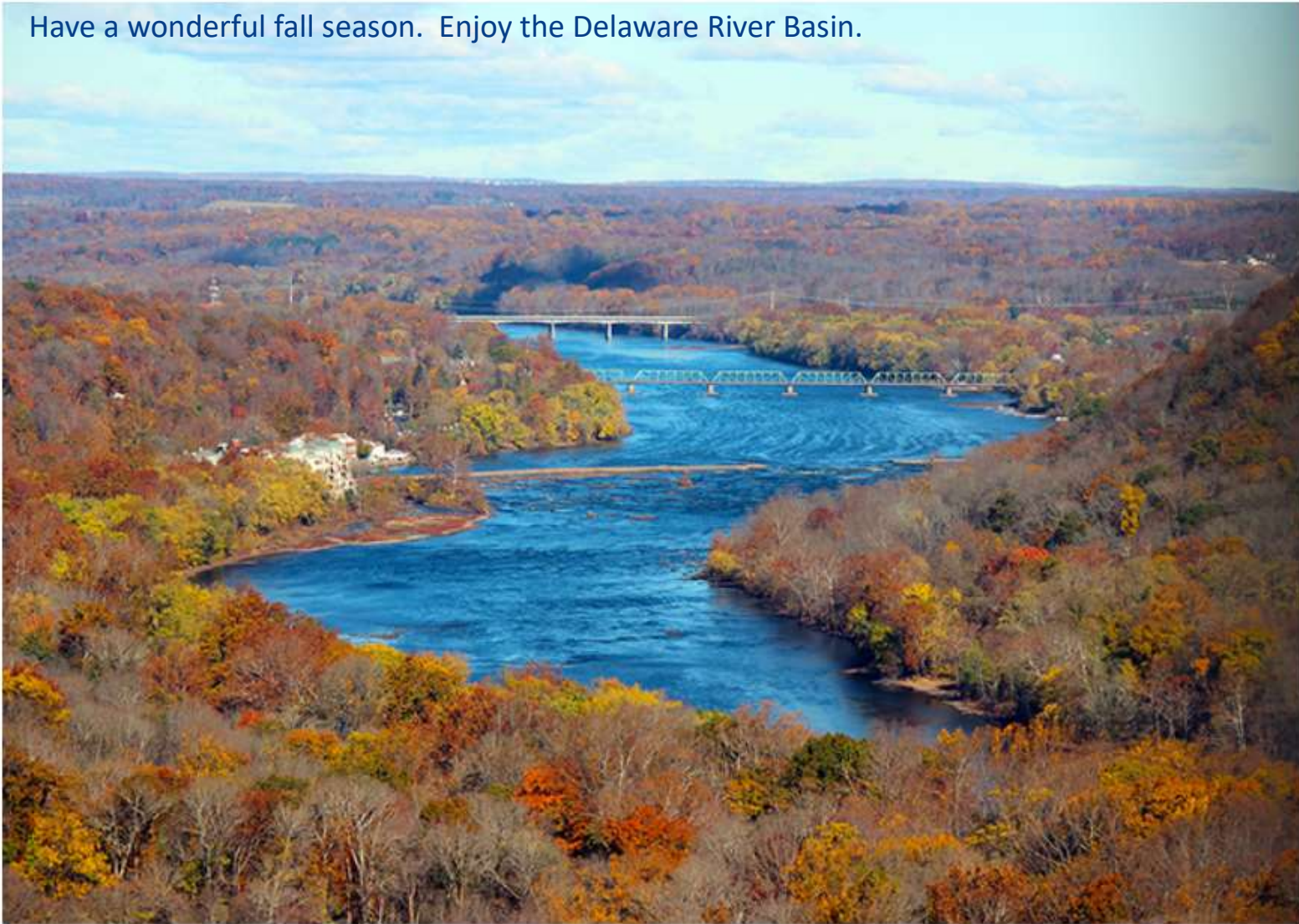


- * Equal chances for above, below normal
- * One named storm so far (Arlene) impacted Gulf of Mexico
- * Remember the “I” storms: Ivan, Irene, Isaias, Ida, Ian

Three-Month Outlook 2023



Have a wonderful fall season. Enjoy the Delaware River Basin.



Delaware River from Bowman's Tower by Linda Park.