Delaware River Basin Commission

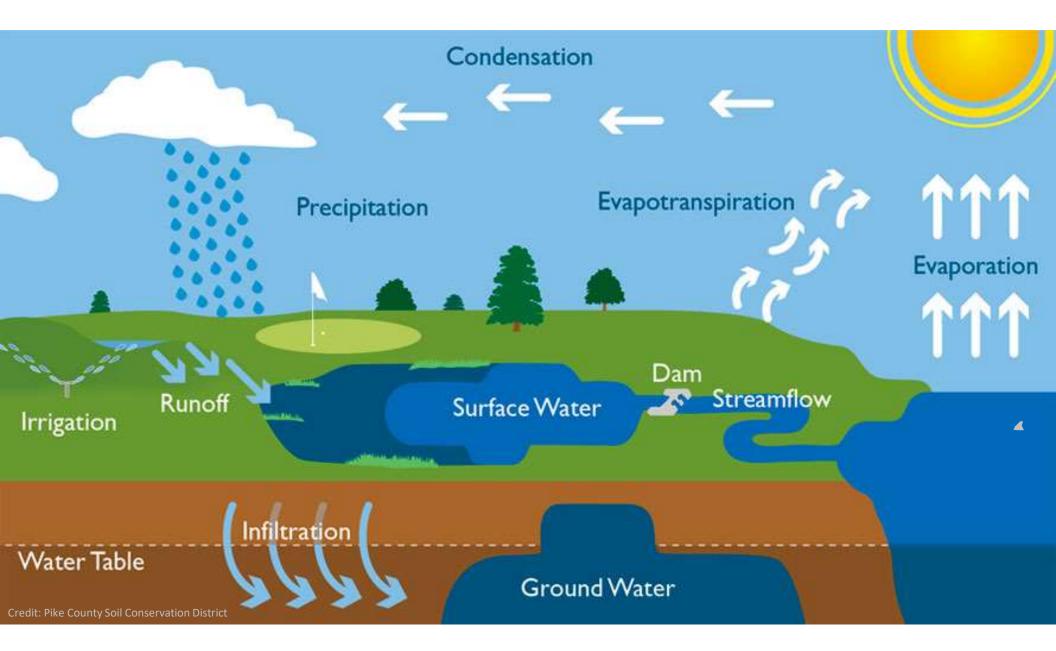
Hydrologic Conditions

Amy L. Shallcross, PE Manager, Water Resource Operations

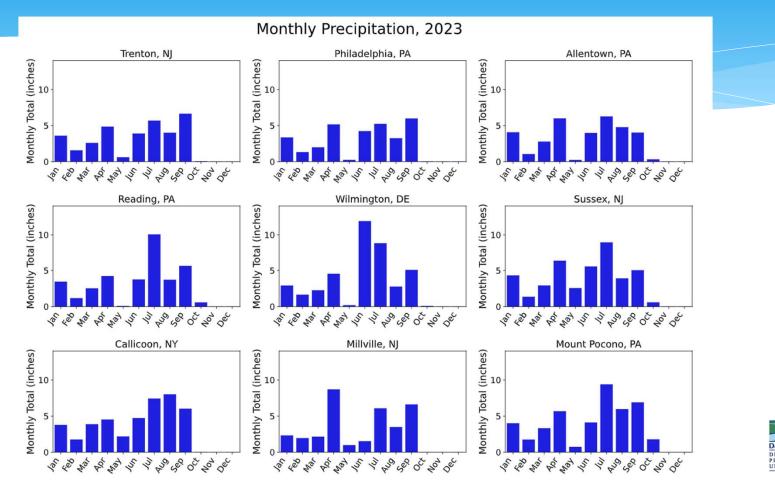
Water Management Advisory Committee October 12, 2023



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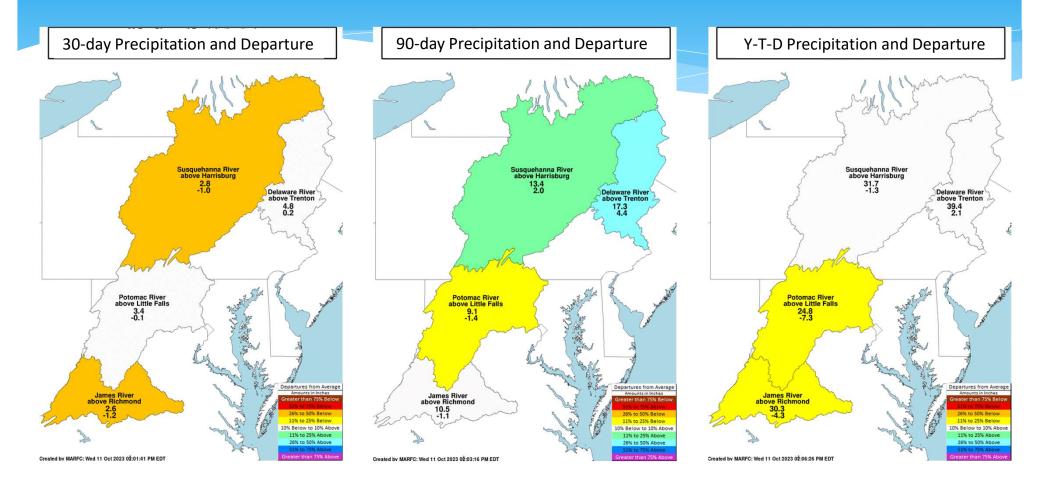


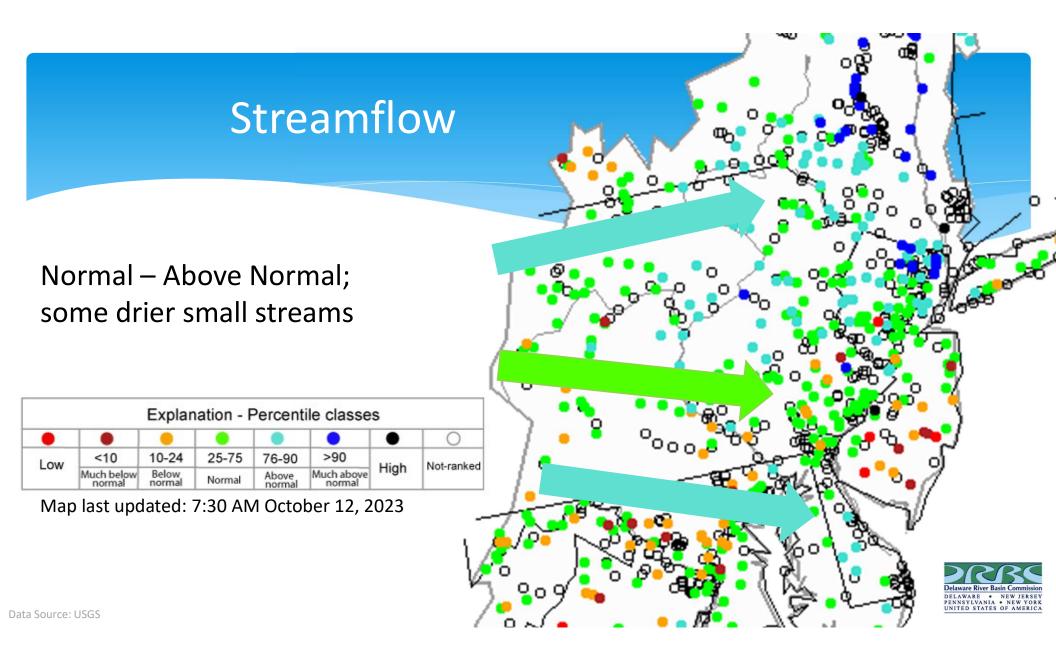
Year-to-Date Precipitation



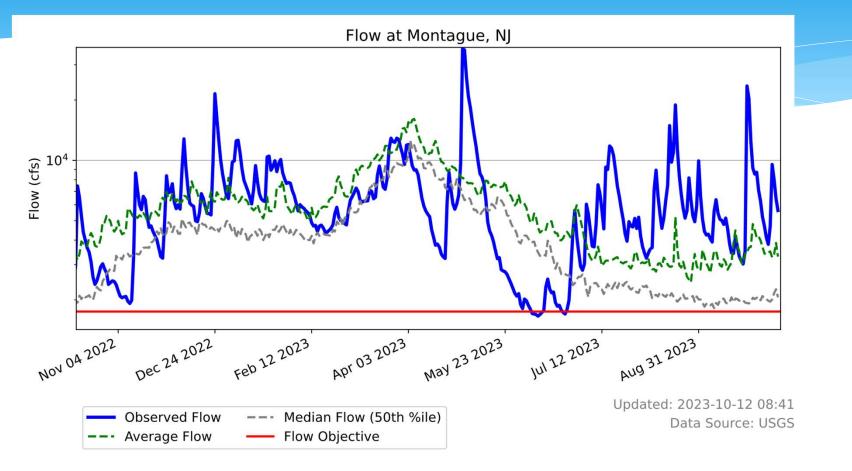


Precipitation

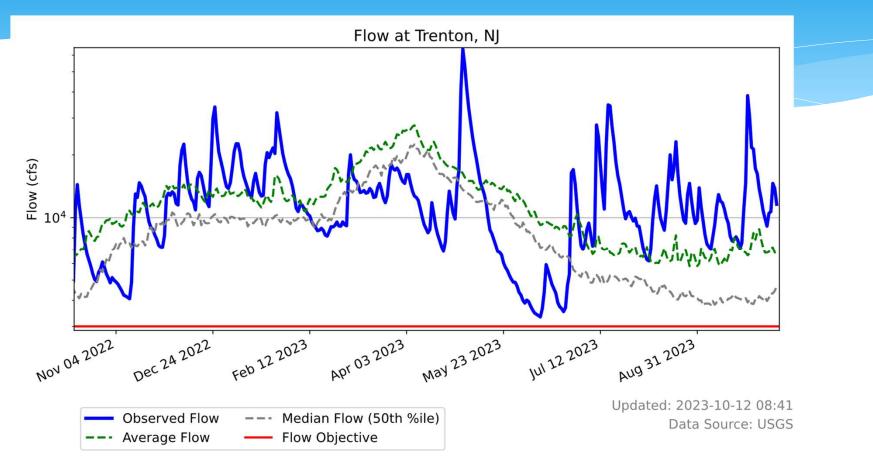




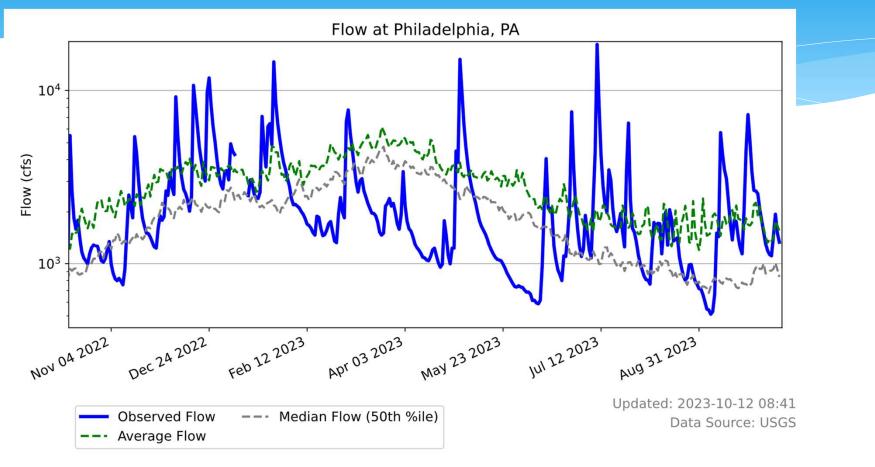
Delaware River at Montague



Delaware River at Trenton



Schuylkill River at Philadelphia



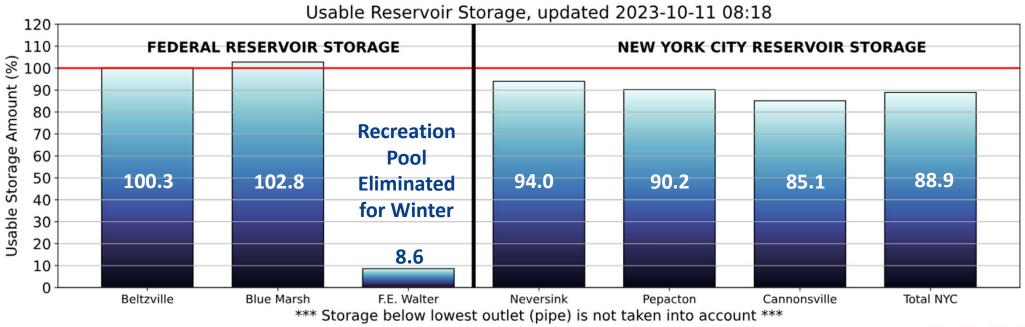


Reservoir Storage

Thirteen major reservoirs in the basin's drought management plan

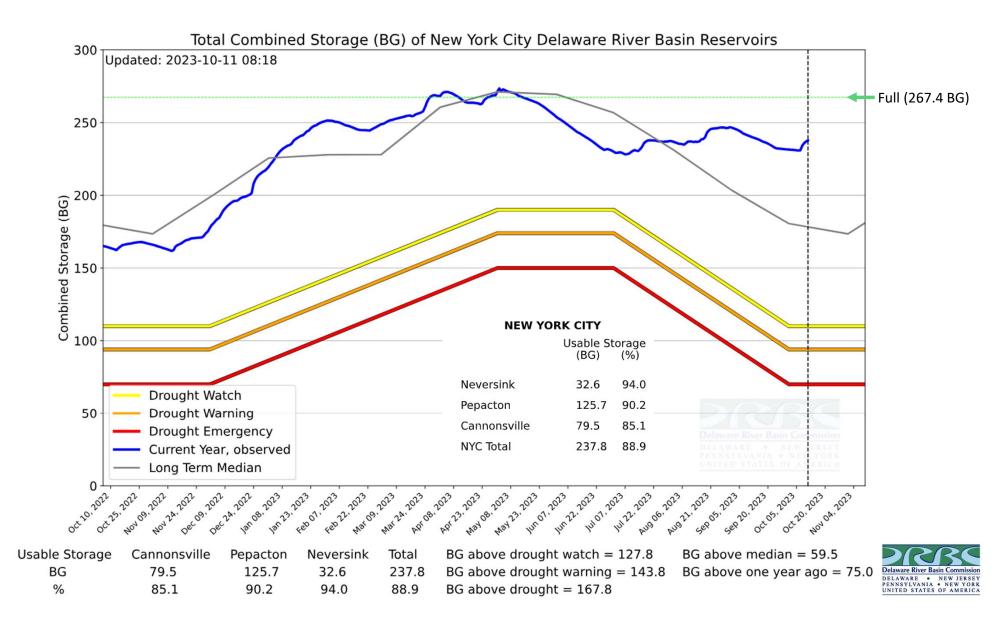
- * DRB Water Code Sections 2.5.3-2.5.6, 18 CFR Part 410, and Flexible Flow Management Program
- * Two Flow Objectives
 - * Montague, NJ Releases from NYC Reservoirs
 - Trenton, NJ Releases from DRBC Storage in USACE Reservoirs (Beltzville, Blue Marsh, help from FEW
- Flow objectives change based on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

Basin Storage





Data Sources: USGS, AHPS

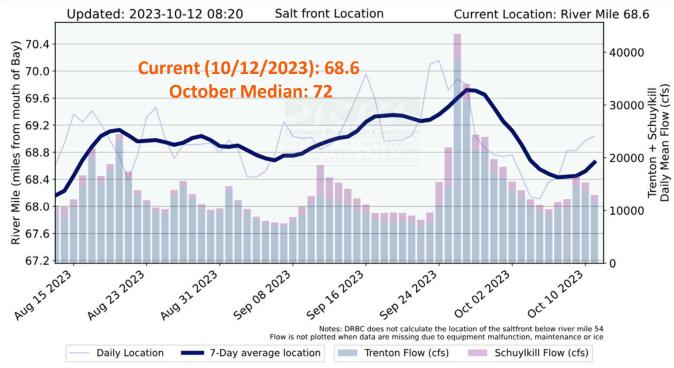




The salt front is the 7-Day Average Location of the 250 mg/L isochlor

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

Salt Front the Estuary Salinity Indicator



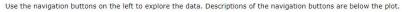
Updates to hydrologic conditions can be viewed daily on hydrosnap.drbc.net

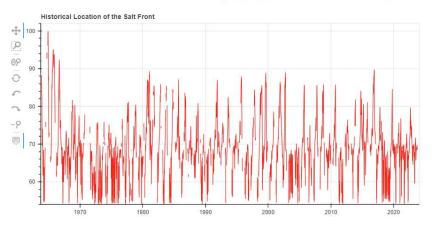


Source: DRBC

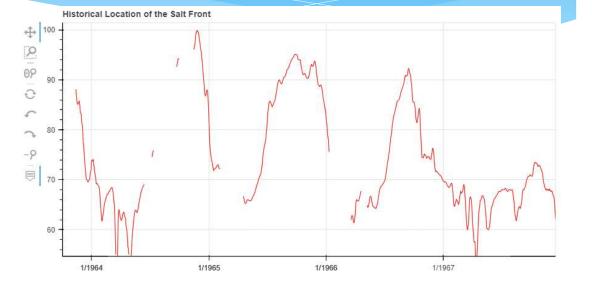
Salt Front Viewer

DRBC Salt Front Viewer



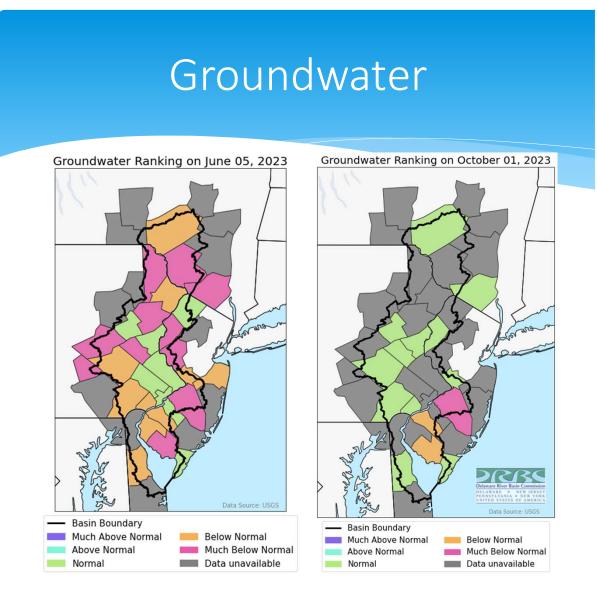


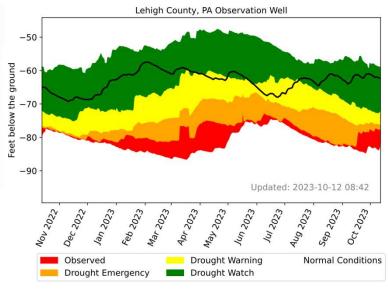
- Pan: Click and drag the graph around when zoomed in
- Box Zoom: Click and drag the on the graph to zoom into a portion of the graph
- $_{\ensuremath{\mathbb{OP}}}$ Wheel Zoom: Use the mouse wheel to zoom in or out on the graph
- \bigcirc $\;$ Reset: Revert the graph axes to their original values
- Undo: Undo the most recent action(s)
- Redo: Redo the most recent action(s)
- P Zoom Out: Click to gradually zoom out of the graph
- Hover: Click to toggle on/off the box that displays values when you hover over the plot

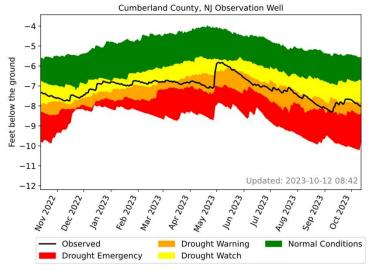


General - https://www.nj.gov/drbc/programs/flow/salt-front.html Viewer - https://drbc.net/Sky/hydro/saltfront.html

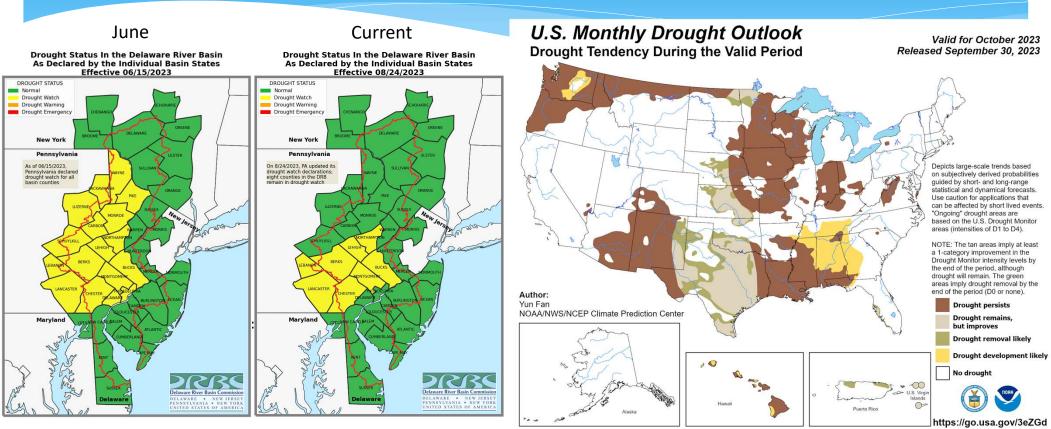






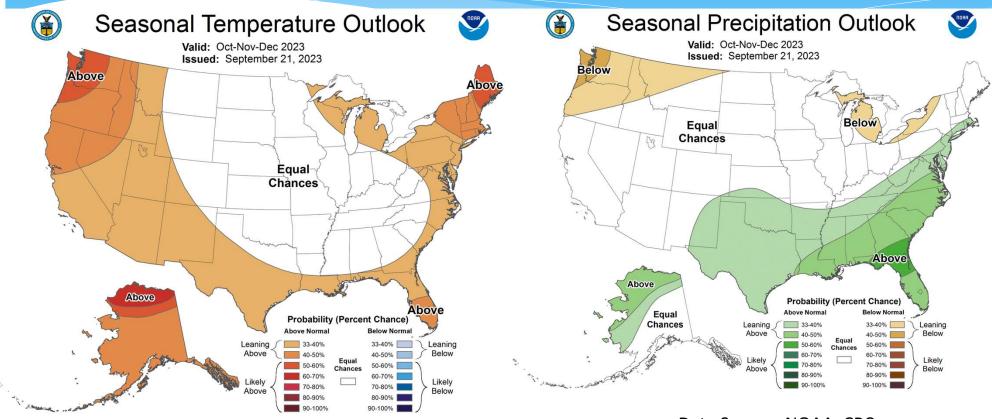


Drought Monitor



Data Source: NOAA CPC

Fall Outlook 2023



Data Source: NOAA CPC

Data Source: NOAA, CPC

