

Surface Reservoir Capacity Measurements and Trends

10/25/2024 Update

Reservoir Capacities Show Impacts of the Lack of Rain Over the Last 30 Days!

Thirty-four surface water systems measure their reservoir capacities weekly and report the readings to the Drinking Water Section (DWS). The attached table summarizes the most recent measurements in percent full and shows the week-to-week trend of their capacities.

Key takeaways:

$\geq 100\%$ of Normal n=34

26

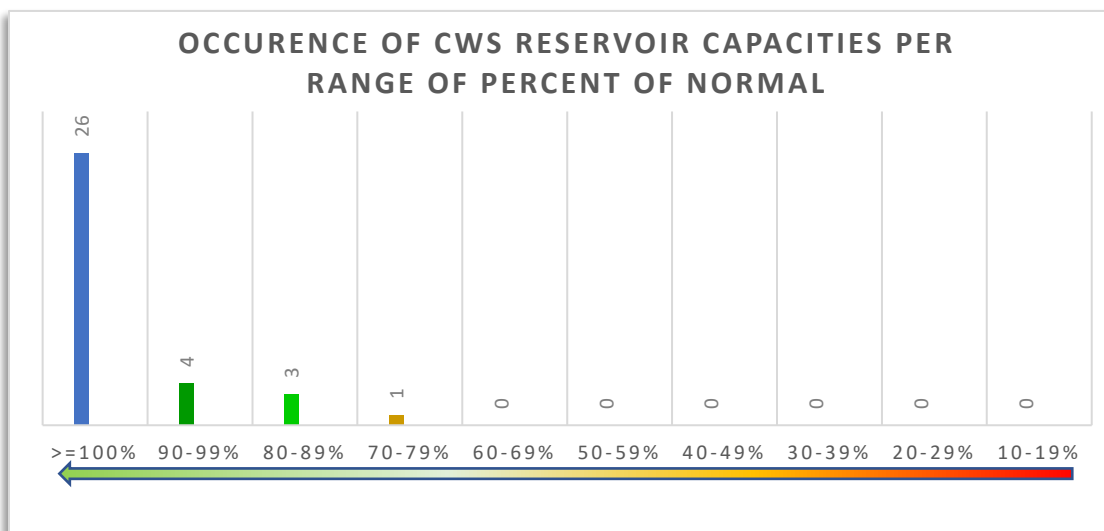
State Average Percent Full

84%

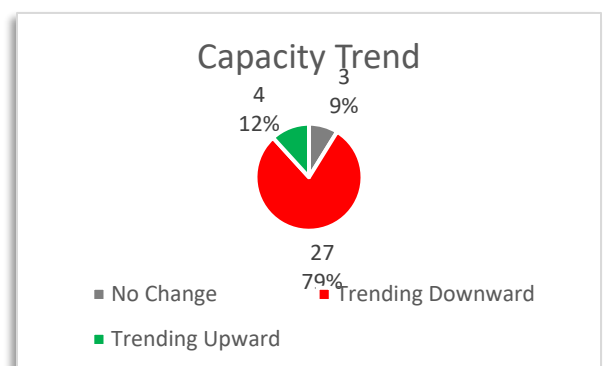
Average Percent of Normal

103.6%

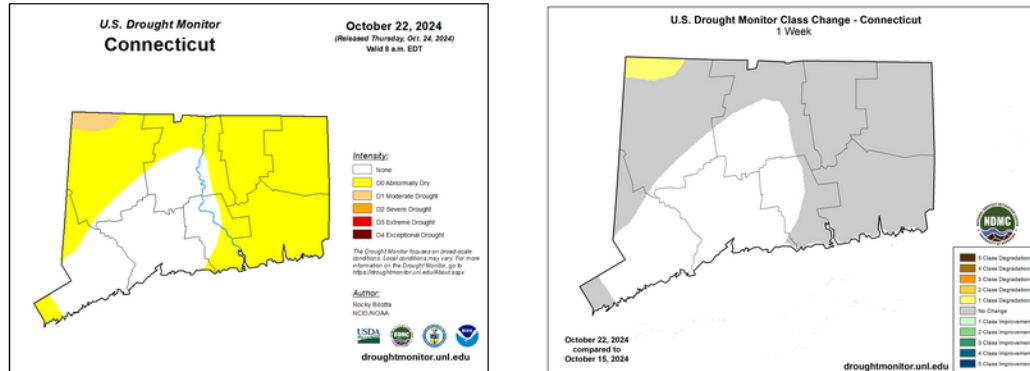
- 2 reservoir systems have reported that they are currently at 100% full.



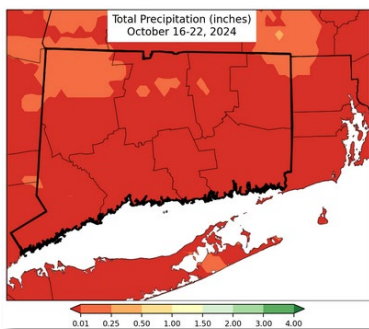
- The gray bars indicate last week's measurements, and the colored bar is the current measurement. In non-drought conditions, the graph above would have all of the systems in the $\geq 100\%$ of normal column (n=34).
- 4 system's short-term week to week trend is upward. 27 system is trending downward in capacity from their previous measurements. 3 systems have had no change in capacity.
- UConn Main Campus, Putnam Water, and East Lyme have entered into their 1st drought stage and/or requesting conservation.



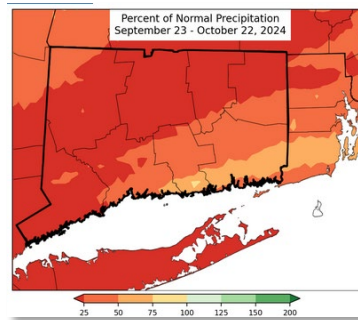
- **US Drought Monitor:** – US Drought Monitor has added an area of D1 on the northwest border with MA and NY. More than half of CT is in D0 abnormally dry.
- <https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CT>



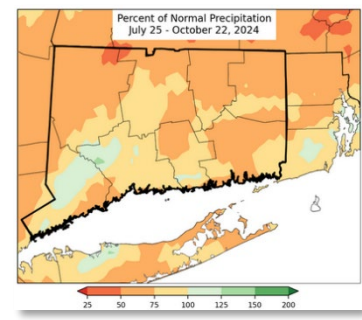
- Last USDM week (between October 16th and October 22nd), CT received trace amounts of precipitation (Map 1) with the Eastern part of the state receiving the highest amounts of precipitation. The 30-day Percent of Normal Precipitation map shows well below normal precipitation across the state. (Map 2). The long-term trend over the last 90 days shows below normal rainfall for the majority of CT (Map 3). The 7-Day Streamflow map shows the majority of CT's rivers and streams are below normal to much below normal. Real time monitoring groundwater wells shows normal to below normal levels.



Map 1- 7 Day Total Precipitation



Map 2- 30 Day Percent of Normal Precipitation



Map 3 – 90 Day Percent of Normal Precipitation

