

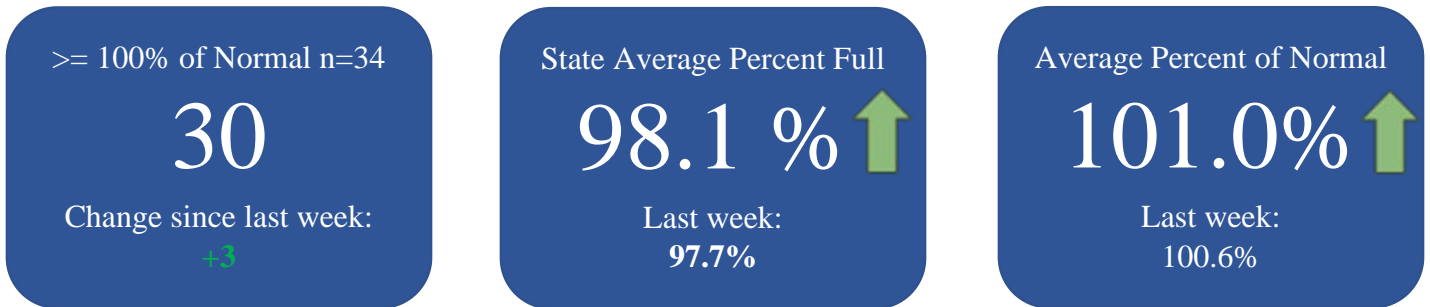
Surface Reservoir Capacity Measurements and Trends

5/5/2023 Update

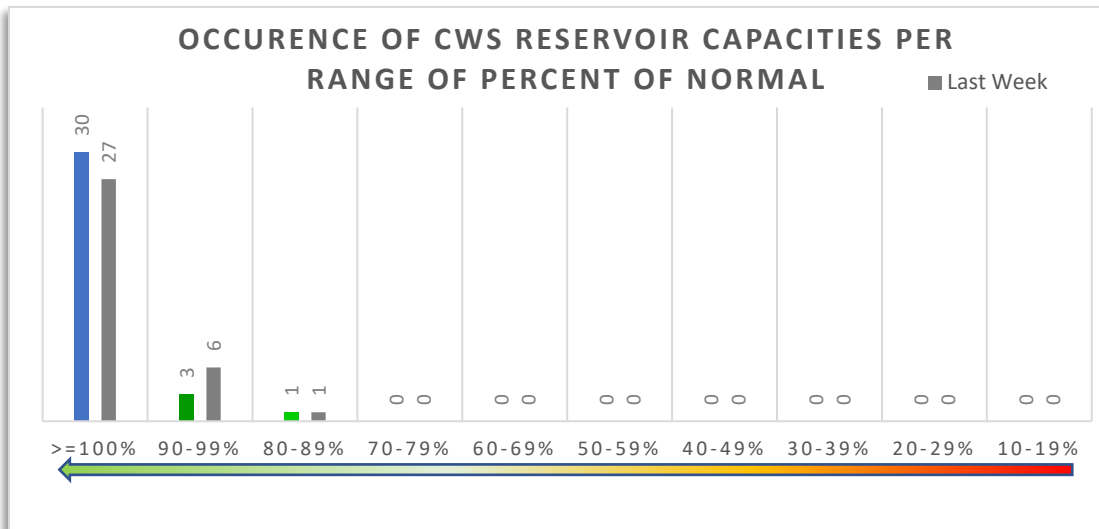
Recent Rains Drive Improvements Across CT!

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.

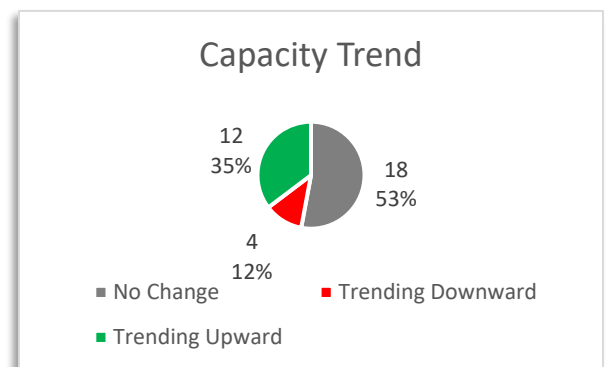
Key takeaways:



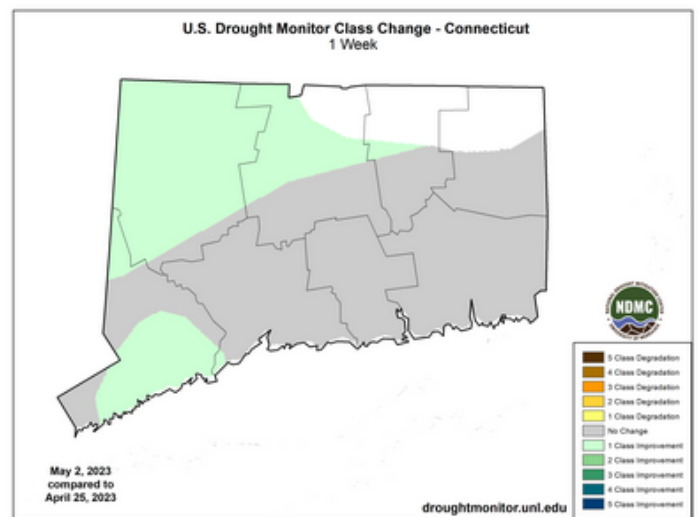
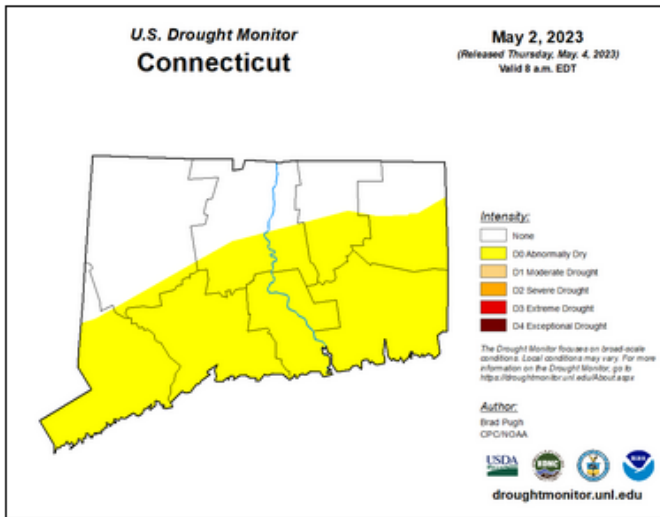
- 19 reservoir systems have reported that they are currently at 100% full (+3 since last week).



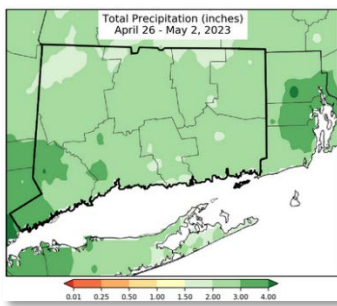
- The gray bars indicate last week's measurements and the colored bar is the current measurement. In non-drought conditions, the graph above would have all of the systems in the >=100% of normal column (n=34).
- 12 system's short-term week to week trend is upward (+7 since last week). 4 systems are trending downward in capacity from their previous measurements (-9 since last week). 18 systems have had no change in capacity (+2 since last week).
- **No Reservoir systems are under a drought stage.**



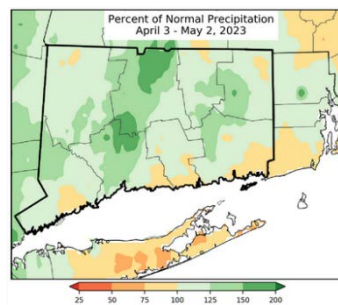
- **US Drought Monitor:** – USDM upgraded areas of CT from D1 to D0 and removes some D0 areas based on rain received over the last week.
- <https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CT>



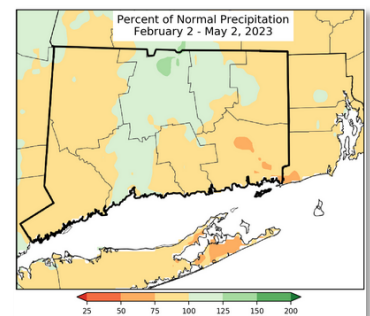
- Last USDM week, CT received 1 to 4 inches of rain between April 26th and May 2nd. (Map 1). The 30-day Percent of Normal Precipitation map shows more normal precipitation with lingering areas of dryness. (Map 2). The long-term trend over the last 90-days shows the majority of CT is below normal in rainfall with a small area of near normal rainfall in the middle of CT (Map 3). The 7-Day Streamflow map shows normal streamflows to much above normal across CT due to the significant rainfall received in the NE region. Groundwater real time monitoring wells show normal with some much above normal measurements being recorded in CT.



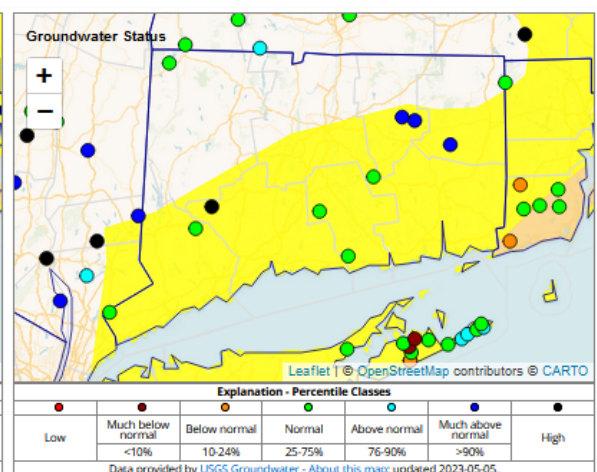
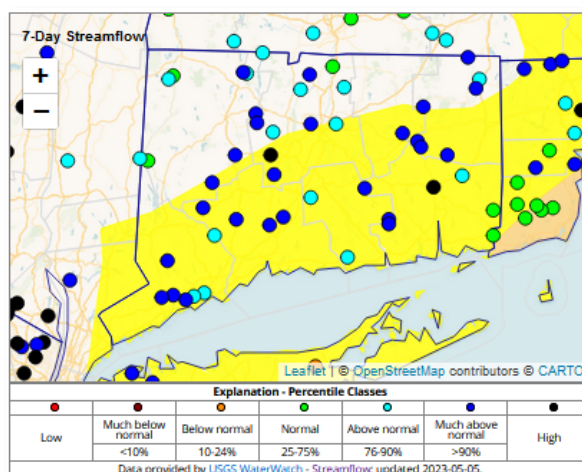
Map 1- 7 Day Total Precipitation



Map 2- 30 Day Percent of Normal Precipitation



Map 3 – 90 Day Percent of Normal Precipitation



PWSID	PWS Name	Most Recent Reading Date	Percent Full	Current Status	Trend	Historical Average	Percent of Normal	Previous Date	Previous Percent Full	County_Served
CT1350011	Aquarion Water Co of CT-Stamford	4/16/2023	82.80	No Drought Stage	↓	94.30	88	4/9/2023	83.60	FAIRFIELD
CT1030011	Norwalk First Taxing District	4/30/2023	94.70	No Drought Stage	--	97.40	97	4/23/2023	94.70	FAIRFIELD
CT0570011	Aquarion Water Co of CT-Greenwich System	4/16/2023	97.80	No Drought Stage	↓	97.30	100	4/9/2023	98.90	FAIRFIELD
CT0150011	Aquarion Water Co of CT-Main System	4/16/2023	99.50	No Drought Stage	↓	98.20	101	4/9/2023	99.80	FAIRFIELD
CT0090011	Bethel Water Dept	4/30/2023	100.00	No Drought Stage	↑	98.40	102	4/23/2023	99.80	FAIRFIELD
CT0340011	Danbury Water Department	4/2/2023	100.00	No Drought Stage	--	96.70	103	3/26/2023	100.00	FAIRFIELD
CT1030021	South Norwalk Electric & Water	5/1/2023	100.00	No Drought Stage	--	97.30	103	4/24/2023	100.00	FAIRFIELD
CT0770021	Manchester Water Department	4/30/2023	100.00	No Drought Stage	--	100.40	100	4/23/2023	100.00	HARTFORD
CT0890011	New Britain Water Department	4/27/2023	90.90	No Drought Stage	↑	90.30	101	4/20/2023	87.10	HARTFORD
CT0170011	Bristol Water Department	4/30/2023	98.80	No Drought Stage	↑	97.40	101	4/23/2023	98.50	HARTFORD
CT0473011	CTWC - Northern Reg-Western System	4/27/2023	100.00	No Drought Stage	↑	97.30	103	4/20/2023	99.10	HARTFORD
CT0640011	Metropolitan District Commission	5/1/2023	100.00	No Drought Stage	--	96.90	103	4/24/2023	100.00	HARTFORD
CT1310011	Southington Water Department	4/29/2023	100.00	No Drought Stage	--	96.20	104	4/22/2023	100.00	HARTFORD
CT1430011	Torrington Water Company	4/16/2023	91.30	No Drought Stage	--	94.20	97	4/9/2023	91.30	LITCHFIELD
CT1620011	Winsted Water Works	4/30/2023	100.00	No Drought Stage	--	100.00	100	4/23/2023	100.00	LITCHFIELD
CT0980011	Aquarion Water Co of CT-Norfolk System	4/16/2023	100.00	No Drought Stage	--	99.80	100	4/9/2023	100.00	LITCHFIELD
CT1220011	Aquarion Water Co of CT-Salisbury Sys	4/16/2023	100.00	No Drought Stage	--	99.40	101	4/9/2023	100.00	LITCHFIELD
CT1250011	Sharon Water & Sewer Commission	4/1/2023	100.00	No Drought Stage	--	95.20	105	3/25/2023	100.00	LITCHFIELD
CT0261031	CTWC - Shoreline Region-Chester System	4/27/2023	98.70	No Drought Stage	↑	99.30	99	4/20/2023	98.40	MIDDLESEX
CT0830021	Connecticut Valley Hospital	4/24/2023	100.00	No Drought Stage	--	95.80	104	4/17/2023	100.00	MIDDLESEX
CT0830011	Middletown Water Department	2/26/2023	95.60	No Drought Stage	↓	91.70	104	2/19/2023	100.00	MIDDLESEX
CT0608011	CTWC - Shoreline Region-Guilford System	4/27/2023	100.00	No Drought Stage	--	99.90	100	4/20/2023	100.00	NEW HAVEN
CT1510011	Waterbury Water Department	4/23/2023	98.40	No Drought Stage	↑	98.20	100	4/16/2023	97.50	NEW HAVEN
CT0880011	CTWC - Naugatuck Region-Central System	4/27/2023	100.00	No Drought Stage	--	99.00	101	4/20/2023	100.00	NEW HAVEN
CT1480011	Wallingford Water Department	4/28/2023	94.90	No Drought Stage	↑	93.20	102	4/21/2023	91.80	NEW HAVEN
CT0800011	Meriden Water Division	4/23/2023	99.90	No Drought Stage	↑	97.20	103	4/16/2023	95.30	NEW HAVEN
CT0930011	Regional Water Authority	4/30/2023	99.20	No Drought Stage	↑	95.90	103	4/23/2023	97.50	NEW HAVEN
CT0590011	Groton Utilities	4/24/2023	99.00	No Drought Stage	↑	99.30	100	4/17/2023	98.90	NEW LONDON
CT0580011	Jewett City Water Company	4/24/2023	100.00	No Drought Stage	--	100.00	100	4/17/2023	100.00	NEW LONDON
CT1040011	Norwich Public Utilities	4/29/2023	100.00	No Drought Stage	↑	99.40	101	4/22/2023	99.70	NEW LONDON
CT1370011	Aquarion Water Co of CT-Mystic	4/16/2023	100.00	No Drought Stage	--	99.30	101	4/9/2023	100.00	NEW LONDON
CT0950011	New London Dept. of Public Utilities	4/30/2023	95.40	No Drought Stage	↑	89.10	107	4/23/2023	94.30	NEW LONDON
CT1340011	CTWC - Northern Reg-Stafford System	4/27/2023	100.00	No Drought Stage	--	100.00	100	4/20/2023	100.00	TOLLAND
CT1630011	Windham Water Works	4/30/2023	100.00	No Drought Stage	--	100.00	100	4/23/2023	100.00	WINDHAM

98.14

97.18

101.00

Ave Percent of Normal by County

↑	-Increase since last measurement (less than 10% increase)
↑↑	-Increase since last measurement (10% or greater increase)
↓	-Decrease since last measurement (less than 10% decrease)
↓↓	-Decrease since last measurement (10% or greater decrease)
--	- Same measurement as the previous measurement

Number of systems:	
Greater than or equal to 100% of Normal	30
Between 90% and 99% of Normal	3
Less than 90% of Normal	1
At 100% Full	19

99.14	FAIRFIELD
102.00	HARTFORD
100.60	LITCHFIELD
102.33	MIDDLESEX
101.50	NEW HAVEN
101.80	NEW LONDON
100.00	TOLLAND