

# Surface Reservoir Capacity Measurements and Trends

9/16/2022 Update

*USDM reduced D2 Severe Drought in Central and Eastern 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:**

>= 100% of Normal n=34

## 10

Change since last week:  
+4

State Average

## 72.5 %

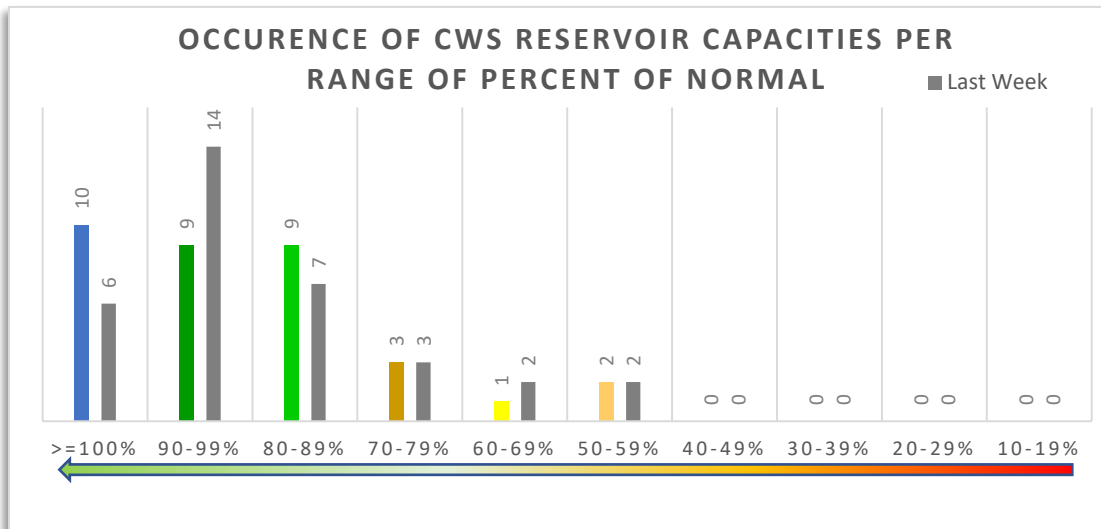
Last week:  
72.0%

Average Percent of Normal

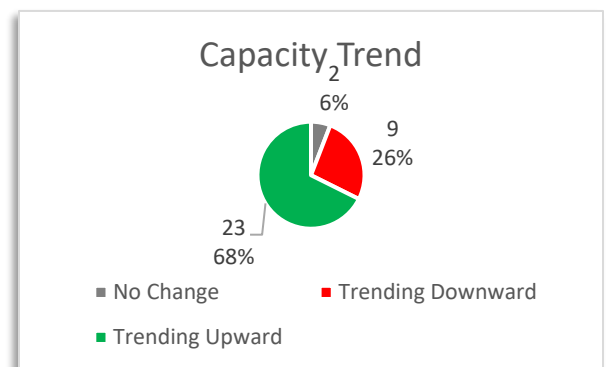
## 89.2%

Last week:  
88.0%

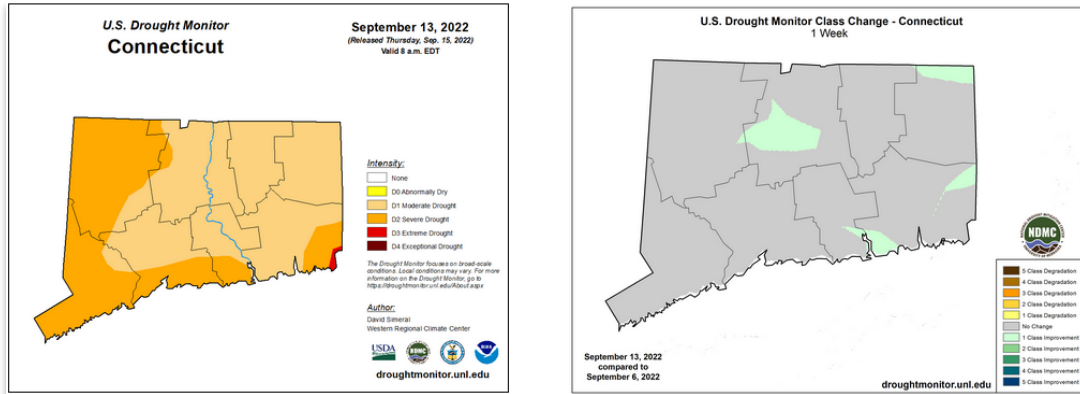
- 2 reservoir systems have reported that they are currently at 100% full (No change since last week).



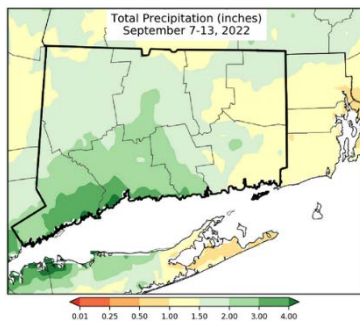
- The gray bars indicate last week’s measurements and the colored bar is the current measurement. In non-drought conditions, the graph above would have all of the systems in the >=100% of normal column (n=34).
- **23 system’s short-term week to week trend is upward (+18 since last week).** 9 systems are trending downward in capacity from their previous measurements (-17 since last week). 2 systems have had no change in capacity (-1 since last week).



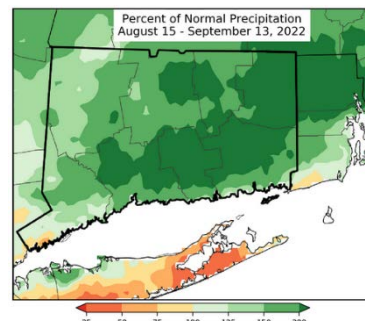
- **Seven systems** have reported they are in the first stage of their drought plan. Several systems are requesting voluntary and mandatory water use conservation.
- US Drought Monitor: – D3 Extreme Drought has continued to shrink and is down to only a small part of the southeast corner of New London County. D2 Severe Drought has continued to be reduced to D1 in eastern and central CT. <https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CT>



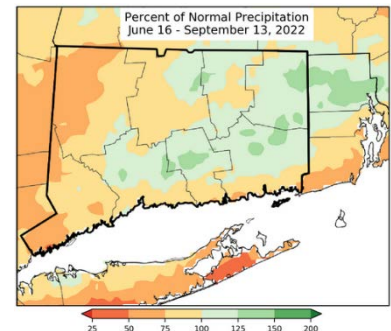
- Between September 7<sup>th</sup> and September 13<sup>th</sup>, the state experienced much needed rain across the state with 1 to 4 inches of rain falling (Map 1). The 30-day Percent of Normal Precipitation map shows some positive impacts from the recent rain (Map 2). The long-term trend over the last 90-days still shows some dryness but it is beginning to show normal to above normal rain in some areas (Map 3). Streamflow shows the impacts from the recent statewide rainfall. Groundwater watch website has ended its service. Groundwater can be found [here](#). Groundwater still shows low measurements across the state.



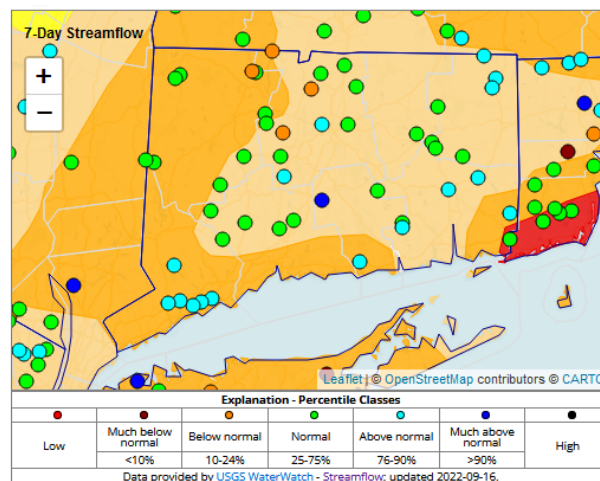
Map 1- 7 Day Total Precipitation



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
CT1030011	Norwalk First Taxing District	9/11/2022	46.70	<b>Drought Alert</b>	↓	71.50	<b>65</b>	9/4/2022	47.00	FAIRFIELD
CT1030021	South Norwalk Electric & Water	9/12/2022	51.30	<b>Approaching Trigger Level</b>	↓	63.70	<b>81</b>	9/6/2022	53.20	FAIRFIELD
CT0150011	Aquarion Water Co of CT-Main System	9/4/2022	71.30	No Drought Stage	↓	82.50	<b>86</b>	8/28/2022	72.50	FAIRFIELD
CT0570011	Aquarion Water Co of CT-Greenwich Syster	9/4/2022	60.20	No Drought Stage	↓	70.20	<b>86</b>	8/28/2022	63.90	FAIRFIELD
CT1350011	Aquarion Water Co of CT-Stamford	9/4/2022	63.30	No Drought Stage	↑	71.00	<b>89</b>	8/28/2022	62.10	FAIRFIELD
CT0340011	Danbury Water Department	9/4/2022	72.50	<b>Advisory</b>	↓	78.70	<b>92</b>	8/28/2022	74.50	FAIRFIELD
CT0090011	Bethel Water Dept	9/11/2022	98.50	No Drought Stage	↑	93.60	<b>105</b>	9/4/2022	95.30	FAIRFIELD
CT0473011	CTWC - Northern Reg-Western System	9/8/2022	63.50	No Drought Stage	↑	78.40	<b>81</b>	9/1/2022	62.60	HARTFORD
CT0770021	Manchester Water Department	9/11/2022	70.00	<b>Drought Alert</b>	↑	82.40	<b>85</b>	9/4/2022	67.20	HARTFORD
CT1310011	Southington Water Department	9/10/2022	57.80	No Drought Stage	↑	63.30	<b>91</b>	9/3/2022	53.40	HARTFORD
CT0170011	Bristol Water Department	9/11/2022	73.20	<b>Drought Alert</b>	↑	79.70	<b>92</b>	9/4/2022	72.60	HARTFORD
CT0890011	New Britain Water Department	9/8/2022	66.10	<b>Approaching Trigger Level</b>	↑	66.10	<b>100</b>	9/1/2022	65.50	HARTFORD
CT0640011	Metropolitan District Commission	9/12/2022	87.40	No Drought Stage	↑	86.00	<b>102</b>	9/5/2022	86.90	HARTFORD
CT1220011	Aquarion Water Co of CT-Salisbury Sys	9/4/2022	45.00	No Drought Stage	↑	88.90	<b>51</b>	8/28/2022	44.80	LITCHFIELD
CT1430011	Torrington Water Company	9/9/2022	54.90	No Drought Stage	↑	74.10	<b>74</b>	9/2/2022	54.50	LITCHFIELD
CT0980011	Aquarion Water Co of CT-Norfolk System	8/28/2022	81.80	No Drought Stage	↓	98.00	<b>83</b>	8/21/2022	85.40	LITCHFIELD
CT1620011	Winsted Water Works	9/11/2022	87.90	No Drought Stage	↑	93.80	<b>94</b>	9/4/2022	86.10	LITCHFIELD
CT1250011	Sharon Water & Sewer Commission	9/3/2022	95.30	<b>Approaching Trigger Level</b>	--	95.40	<b>100</b>	8/27/2022	95.30	LITCHFIELD
CT0261031	CTWC - Shoreline Region-Chester System	9/8/2022	80.80	No Drought Stage	↑	86.00	<b>94</b>	9/1/2022	77.20	MIDDLESEX
CT0830011	Middletown Water Department	9/11/2022	71.60	No Drought Stage	↑	75.50	<b>95</b>	9/4/2022	67.60	MIDDLESEX
CT0830021	Connecticut Valley Hospital	9/5/2022	93.90	No Drought Stage	↑	90.90	<b>103</b>	8/29/2022	89.80	MIDDLESEX
CT0608011	CTWC - Shoreline Region-Guilford System	9/8/2022	51.60	<b>Drought Watch</b>	↑	73.90	<b>70</b>	9/1/2022	51.30	NEW HAVEN
CT1510011	Waterbury Water Department	8/21/2022	67.90	No Drought Stage	↓	87.20	<b>78</b>	8/14/2022	70.50	NEW HAVEN
CT0800011	Meriden Water Division	8/29/2022	67.20	No Drought Stage	↓	84.00	<b>80</b>	8/21/2022	70.50	NEW HAVEN
CT0880011	CTWC - Naugatuck Region-Central System	9/8/2022	79.00	No Drought Stage	↑	83.90	<b>94</b>	9/1/2022	75.40	NEW HAVEN
CT0930011	Regional Water Authority	9/11/2022	74.70	No Drought Stage	↑	74.30	<b>101</b>	9/4/2022	74.70	NEW HAVEN
CT1480011	Wallingford Water Department	9/9/2022	82.90	No Drought Stage	↑	77.10	<b>108</b>	9/2/2022	78.90	NEW HAVEN
CT1370011	Aquarion Water Co of CT-Mystic	9/4/2022	44.60	No Drought Stage	↓	81.50	<b>55</b>	8/28/2022	53.90	NEW LONDON
CT0580011	Jewett City Water Company	9/5/2022	69.40	No Drought Stage	↑	79.60	<b>87</b>	8/29/2022	67.60	NEW LONDON
CT0950011	New London Dept. of Public Utilities	9/11/2022	60.10	<b>Drought Advisory</b>	↑	62.10	<b>97</b>	9/4/2022	59.40	NEW LONDON
CT1040011	Norwich Public Utilities	9/10/2022	77.80	<b>Water Supply Advisory</b>	↑	80.40	<b>97</b>	9/3/2022	70.30	NEW LONDON
CT0590011	Groton Utilities	9/5/2022	84.90	No Drought Stage	↑	82.90	<b>102</b>	8/28/2022	82.80	NEW LONDON
CT1340011	CTWC - Northern Reg-Stafford System	9/8/2022	100.00	No Drought Stage	↑	95.00	<b>105</b>	9/1/2022	92.70	TOLLAND
CT1630011	Windham Water Works	9/11/2022	100.00	No Drought Stage	--	100.00	<b>100</b>	9/4/2022	100.00	WINDHAM

**72.15**

80.93

**89.15**

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	10
Between 90% and 99% of Normal	9
Less than 90% of Normal	15
At 100% Full	2

86.29	FAIRFIELD
91.83	HARTFORD
80.40	LITCHFIELD
97.33	MIDDLESEX
88.50	NEW HAVEN
87.60	NEW LONDON
105.00	TOLLAND