Connecticut Drought Conditions Report

Monthly Update for May 2023



Interagency Drought Workgroup June 8, 2023 Regular Meeting

CT Interagency Drought Workgroup Regular Meeting June 8, 2023 1:00 PM - 2:30 PM

Microsoft Teams meeting

<u>Click here to join the meeting</u> Meeting ID: 274 962 551 675, Passcode: uCZtXZ <u>Download Teams | Join on the web</u> **Or call in (audio only)** +1 860-840-2075,,817266018# (Hartford) Phone Conference ID: 817 266 018#

<u>Agenda</u>

- 1. Call to order and seating of voting members
- 2. Adoption of <u>draft May 4, 2023 meeting minutes</u>
- 3. State Drought Coordinator Report
 - a. Review of May monthly data and other relevant information
 - b. State Agency Representative Reports
 - c. Vote on drought stage changes if warranted
- 4. Business
 - a. Post-2022 Drought Actions
 - i. <u>Section VI Drought Recovery</u>
 - ii. Agency findings / reports
 - iii. After-Action/Improvement Plan Report
 - b. Drought Plan Review
 - i. Agency updates on plan priority areas
 - c. National Flash Drought Workshop Review- Eric Lindquist, DPH
 - d. Other
- 5. Public Comment
- 6. Next Meeting July 6, 2023
- 7. Adjourn



CT Interagency Drought Workgroup NWS Update

Thursday June 8th 2023

Prepared by: NWS WFO Boston/Norton, MA



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May 2023 Rainfall

Near to slightly below normal rainfall during the month of May



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Kent	
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CT 1-Month May 2023	Rainfall	Departure	Percent	N
Litchfield	3.61	-0.80	82	4
Hartford	4.22	-0.20	96	4
Tolland	3.52	-0.58	86	
Windham	3.63	-0.39	90	
Fairfield	3.92	-0.47	89	4
New Haven	4.34	0.10	102	
Middlesex	3.46	-0.76	82	4
New London	3.76	0.00	100	







May 2023 Rainfall

May rainfall was 80 to 100 percent of normal



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	5
	Provi
,	Washing

CT 1-Month May 2023	Rainfall	Departure	Percent	Normal
Litchfield	3.61	-0.80	82	4.41
Hartford	4.22	-0.20	96	4.42
Tolland	3.52	-0.58	86	4.10
Windham	3.63	-0.39	90	4.02
Fairfield	3.92	-0.47	89	4.39
New Haven	4.34	0.10	102	4.24
Middlesex	3.46	-0.76	82	4.22
New London	3.76	0.00	100	3.76





Percent of Normal Since March 1st

3 month percent of normal generally 90 to 100 percent of normal



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Prov	CT 3-month Mar 23-May 23	Rainfall	Departure	Percent	Normal
Ĩ	Litchfield	11.42	-1.34	89	12.76
	Hartford	12.82	-0.01	100	12.83
Kent	Tolland	11.57	-1.48	89	13.05
	Windham	11.78	-1.28	90	13.06
	Fairfield	11.28	-1.91	86	13.19
Washing	New Haven	13.00	0.04	100	12.96
-	Middlesex	11.78	-1.21	91	12.99
	New London	10.80	-2.39	82	13.19





Percent of Normal Since December 1st

6 month percent of normal generally 100 to 110 percent of normal



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	Pro	CT 6-month Dec 22-May 23	Rainfall	Departure	Percent	Normal
		Litchfield	23.90	0.26	101	23.64
	Kent	Hartford	25.18	1.51	106	23.67
-	-	Tolland	24.46	0.07	100	24.40
		Windham	25.15	0.81	103	24.34
	Washir	Fairfield	22.04	-1.90	92	23.94
5 -	\neg	New Haven	25.46	1.90	108	23.56
-		Middlesex	25.56	1.16	105	24.40
	n	New London	24.90	0.29	101	24.61
	0					





Rainfall Tables for 2 and 3 Months

6 month percent of normal generally 100 to 110 percent of normal

CT 2-month Apr 23-May 23	Rainfall	Departure	Percent	Normal
Litchfield	7.46	-1.15	87	8.61
Hartford	8.62	-0.11	99	8.73
Tolland	7.21	-1.50	83	8.71
Windham	7.54	-1.07	88	8.61
Fairfield	7.40	-1.43	84	8.83
New Haven	8.41	-0.20	98	8.61
Middlesex	6.51	-2.13	75	8.64
New London	7.07	-1.25	85	8.32

CT 3-month Mar 23-May 23	Rainfall	Departure	Percent	Normal
Litchfield	11.42	-1.34	89	12.76
Hartford	12.82	-0.01	100	12.83
Tolland	11.57	-1.48	89	13.05
Windham	11.78	-1.28	90	13.06
Fairfield	11.28	-1.91	86	13.19
New Haven	13.00	0.04	100	12.96
Middlesex	11.78	-1.21	91	12.99
New London	10.80	-2.39	82	13.19



Boston/Norton MA WEATHER FORECAST OFFICE



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June Month To Date (June 5th)

Isolated substantial rainfall from thunderstorms on June 2nd



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CPC Summer Outlook

Leaning toward above normal temps and precipitation



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Connecticut Precipitation National Weather Service Offices Boston/Norton MA, Albany NY, Upton NY Preliminary Precipitation Data (inches) by County Precipitation Data through May 2023 Includes CoCoRaHS data

CT 1-Month May 2023	Rainfall	Departure	Percent	Normal
Litchfield	3.61	-0.80	82	4.41
Hartford	4.22	-0.20	96	4.42
Tolland	3.52	-0.58	86	4.10
Windham	3.63	-0.39	90	4.02
Fairfield	3.92	-0.47	89	4.39
New Haven	4.34	0.10	102	4.24
Middlesex	3.46	-0.76	82	4.22
New London	3.76	0.00	100	3.76

CT 2-month Apr 23-May 23	Rainfall	Departure	Percent	Normal
Litchfield	7.46	-1.15	87	8.61
Hartford	8.62	-0.11	99	8.73
Tolland	7.21	-1.50	83	8.71
Windham	7.54	-1.07	88	8.61
Fairfield	7.40	-1.43	84	8.83
New Haven	8.41	-0.20	98	8.61
Middlesex	6.51	-2.13	75	8.64
New London	7.07	-1.25	85	8.32

CT 3-month Mar 23-May 23	Rainfall	Departure	Percent	Normal
Litchfield	11.42	-1.34	89	12.76
Hartford	12.82	-0.01	100	12.83
Tolland	11.57	-1.48	89	13.05
Windham	11.78	-1.28	90	13.06
Fairfield	11.28	-1.91	86	13.19
New Haven	13.00	0.04	100	12.96
Middlesex	11.78	-1.21	91	12.99
New London	10.80	-2.39	82	13.19

CT 4-month Feb 23-May 23	Rainfall	Departure	Percent	Normal
Litchfield	13.01	-3.08	81	16.09
Hartford	14.29	-1.81	89	16.10
Tolland	13.10	-3.30	80	16.40
Windham	13.12	-3.23	80	16.35
Fairfield	12.29	-3.99	75	16.28
New Haven	14.11	-2.00	88	16.11
Middlesex	12.97	-3.36	79	16.33
New London	12.26	-4.33	74	16.59

CT 5-month Jan 23-May 23	Rainfall	Departure	Percent	Normal
Litchfield	18.85	-0.80	96	19.65
Hartford	20.61	0.88	104	19.73
Tolland	19.41	-0.82	96	20.23
Windham	19.64	-0.45	98	20.09
Fairfield	17.85	-2.02	90	19.87
New Haven	20.52	0.85	104	19.67
Middlesex	20.02	-0.06	100	20.08
New London	19.01	-1.31	94	20.32

CT 6-month Dec 22-May 23	Rainfall	Departure	Percent	Normal
Litchfield	23.90	0.26	101	23.64
Hartford	25.18	1.51	106	23.67
Tolland	24.46	0.07	100	24.40
Windham	25.15	0.81	103	24.34
Fairfield	22.04	-1.90	92	23.94
New Haven	25.46	1.90	108	23.56
Middlesex	25.56	1.16	105	24.40
New London	24.90	0.29	101	24.61

CT 7-month Nov 22-May 23	Rainfall	Departure	Percent	Normal
Litchfield	27.17	-0.73	97	27.90
Hartford	28.35	0.22	101	28.13
Tolland	27.38	-1.52	95	28.90
Windham	28.16	-0.61	98	28.78
Fairfield	24.63	-3.61	87	28.24
New Haven	28.41	0.69	102	27.72
Middlesex	28.49	-0.25	99	28.74
New London	27.10	-2.01	93	29.11

CT 12-month Jun 22-May 23	Rainfall	Departure	Percent	Normal
Litchfield	46.23	-4.47	91	50.70
Hartford	48.18	-2.74	95	50.92
Tolland	48.69	-1.41	97	50.11
Windham	50.29	0.07	100	50.23
Fairfield	42.91	-7.47	85	50.38
New Haven	48.87	0.17	100	48.70
Middlesex	51.32	-0.17	100	51.49
New London	46.22	-3.91	92	50.13

CT 24-month Jun 21-May 23	Rainfall	Departure	Percent	Normal
Litchfield	105.45	4.03	104	101.42
Hartford	105.16	3.40	103	101.76
Tolland	109.42	9.25	109	100.17
Windham	105.00	4.60	105	100.40
Fairfield	94.55	-6.04	94	100.59
New Haven	101.01	3.62	104	97.39
Middlesex	104.98	2.33	102	102.65
New London	94.71	-5.31	95	100.02

CT 36-month Jun 20-May 23	Rainfall	Departure	Percent	Normal
Litchfield	151.25	-0.89	99	152.14
Hartford	148.80	-3.81	98	152.61
Tolland	154.51	4.28	103	150.23
Windham	151.73	1.16	101	150.57
Fairfield	141.16	-9.64	94	150.80
New Haven	147.78	1.70	101	146.08
Middlesex	151.50	-2.31	98	153.81
New London	139.69	-10.23	93	149.92

County-based monthly precipitation totals are calculated using an average of all available full-month precipitation totals within that County from the following networks: Community Collaborative Rain, Hail and Snow network (CoCoRaHS), Cooperative Weather Observer Program (Coop), and Automated Surface Observing Systems (ASOS) data.

Coop and ASOS sites are part of National Weather Service networks. CoCoRaHS is a community-based network of volunteers that report precipitation.

County-based monthly normals were calculated using 30-year precipitation normals from NOAA/National Centers for Environmental Information (NCEI) for the period of 1981-2010. Monthly normals from 42 stations (consisting

of Coop and ASOS stations) were grouped by County to calculate a single monthly normal for each County.



Map 1. Palmer Drought Index Map for the Week Ending June 3rd, 2023. From the Climate Prediction Center. Values for individual climate regions follow: Northwest -.54, Central -0.53 and Coastal -2.09.



Map 2. U.S. Drought Monitor zoom-in on CT, effective 5/30/2023.



Map 3. U.S. Drought Monitor for Northeast US, effective 5/30/2023.

U.S. Geological Survey

Status of streamflow and groundwater levels, as of May 31, 2023



Provisional Data, subject to review and revision

USGS

			Number of wells below normal	Number of wells below normal	Dereent		
		wells	for >=2 out of	for 4 or more	Percent	Doroont	Doroont
		below	the last 3	consecutive	below	Percent	
Name	total	normal	months	months	normal	stage 2	stage 3
Fairfield	11	2	2	0	18.2	18.2	0
Hartford	10	2	1	0	20	10	0
Litchfield	5	1	1	0	20	20	0
Middlesex	7	5	4	1	71.4	57.1	14.3
New Haven	13	0	0	0	0	0	0
New London	5	3	2	0	60	40	0
Tolland	12	2	0	0	16.7	0	0
Windham	6	3	0	0	50	0	0

END OF MAY 2023 GROUNDWATER SUMMARY BY COUNTY



Provisional Data, subject to review and revision

Name	total	Number of streamgages below normal			Percent below normal	Percent stage 2	Percent
			1			č	stage 3
Fairfield	14	1	L	0	7.1	7.1	0
Hartford	11	0	0	0	0	0	0
Litchfield	10	1	0	0	10	0	0
Middlesex	4	0	0	0	0	0	0
New Haven	8	0	0	0	0	0	0
New London	5	0	0	0	0	0	0
Tolland	3	0	0	0	0	0	0
Windham	10	0	0	0	0	0	0

MAY 2023 STREAMFLOW SUMMARY BY COUNTY



Provisional Data, subject to review and revision

Streamflow Decline in the Last Week

Map of below normal 7-day average streamflow compared to historical streamflow for the day of year (Connecticut)



≊USGS

Click map to obtain more detailed drought information for the state

Explanation - Percentile classes						
Low	<=5	6-9	10-24			
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal			

Map of real-time streamflow compared to historical streamflow for the day of the year (Connecticut)



	Explanation - Percentile classes								
		•	•			•	0		
Low	<10	10-24	25-75	76-90	>90	115.00	Not-ranked		
2011	Much below normal	Below normal	Normal	Above normal	Much above normal	High	Notranked		



https://waterwatch.usgs.gov/?m=dryw&r=ct

https://waterwatch.usgs.gov/index.php?m=real&r=ct&w=map



DEEP Forestry Division - Fire Danger Map

Department of Agriculture – Drought Status Report

	Reported Conditions						
Parameter		As of 4/30		As of 5/28			
	Report Date Status		Report Date	Status			
Palmer Drought Severity Index (map)	4/29/23	Majority of CT experiencing near normal moisture levels.	5/27/23	Majority of CT experiencing near normal moisture levels.			
Palmer drought severity index (data)	4/29/23	Northwest: 1.21 Central: 0.85 Coastal: -0.08	5/27/23	Northwest: 0.53 Central: 0.47 Coastal: -0.46			
Precipitation needed to end drought (in.)	4/29/23	Northwest: 0 Central: 0 Coastal: 0	5/27/23	Northwest: 0 Central: 0 Coastal: 0			
Crop Moisture (current map)	4/29/23	Central CT is wet. Northwest and Coastal are abnormally moist.	5/27/23	Entire state shows normal			
Topsoil moisture (current map)	4/30/23	No data available.	5/28/23	No data available.			
Topsoil moisture (current vs. 5 yr. mean)	4/30/23	No data available.	5/28/23	No data available.			
Veg DRI (% of CT land area shown as pre-drought, moderate, severe or extreme)	4/30/23	Most of state in near normal conditions. Abnormally dry conditions near New Haven as of 4/30/23	5/28/23	Abnormally dry in Bridgeport – New Haven metropolitan area; Majority of state shows near normal conditions			
Drought Monitor Report for CT	4/27/23	Abnormally dry as of 4/25/23	5/30/23	Abnormally dry conditions present in Middlesex and New London counties.			
<u>NASS Crop Progress Report</u> (New England)		According to the National Agricultural Statistics Service in New England, there were 4 days suitable for fieldwork for the week ending Sunday, April 30, 2023. Topsoil moisture supplies were 0 percent very short, 3 percent short, 71 percent adequate, and 26 percent surplus. Subsoil moisture supplies were 0 percent very short, 0 percent short, 61 percent adequate, and 39 percent surplus.		According to the National Agricultural Statistics Service in New England, there were 6 days suitable for fieldwork for the week ending Sunday, May 28, 2023. Topsoil moisture supplies were 5 percent very short, 24 percent short, 69 percent adequate, and 2 percent surplus. Subsoil moisture supplies were 1 percent very short, 16 percent short, 80 percent adequate, and 3 percent surplus.			

Summary: Data from all of these indicators showed near normal conditions present in the majority of the state, with abnormally dry conditions in coastal areas as of 5/30/28.

Explanatory notes:

Palmer Drought Severity Index: The Palmer Drought Severity Index (PDSI) uses readily available temperature and precipitation data to estimate relative dryness. It is a standardized index that generally spans -10 (dry) to +10 (wet). Maps of operational agencies like NOAA typically show a range of -4 to +4, but more extreme values are possible.

Crop moisture index: The CMI gives the short-term or current status of purely agricultural drought or moisture surplus and can change rapidly from week to week. The CMI index indicates general conditions and not local variations caused by isolated rain. Input to the calculations include the weekly precipitation total and average temperature, division constants (water capacity of the soil, etc.) and previous history of the indices.

Topsoil moisture: Topsoil Moisture Monitoring maps are based on United States Department of Agriculture state reports of topsoil moisture conditions. Means are calculated from historical weekly data published by USDA/NASS using the closest date to the equivalent date for the year. Results are based on the short and very short % ages of topsoil moisture (upper 6 inches) reported by the USDA. Reports are based on subjective observations.

Vegetation Drought Response Index: VegDRI calculations integrate satellite-based observations of vegetation conditions, climate data, and other biophysical information such as land cover/land use type, soil characteristics, and ecological setting. The VegDRI maps that are produced deliver continuous geographic coverage over large areas, and have inherently finer spatial detail (1-km2 resolution) than other commonly available drought indicators such as the U.S. Drought Monitor. The state statistics table is located here: https://vegdri.unl.edu/Home/VegDRITables.aspx?CT.







Vegetation Drought Response Index

Complete: Connecticut



May 28, 2023











U.S. Drought Monitor Connecticut

May 30, 2023 (Released Thursday, Jun. 1, 2023)

Valid 8 a.m. EDT



	Droi	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	
Current	79.00	21.00	0.00	0.00	0.00	0.00	
Last Week 05-23-2023	79.00	21.00	0.00	0.00	0.00	0.00	
3 Month s Ago 02-28-2023	100.00	0.00	0.00	0.00	0.00	0.00	
Start of Calendar Year 01-03-2023	<mark>53.82</mark>	46.18	0.00	0.00	0.00	0.00	
Start of Water Year 09-27-2022	0.00	100.00	70.06	28.07	0.00	0.00	
One Year Ago 05-31-2022	<u>52.20</u>	47.80	21.21	0.00	0.00	0.00	

Intensity:



D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author: Richard Heim NCEI/NOAA



droughtmonitor.unl.edu

Surface Reservoir Capacity Measurements and Trends 6/2/2023 Update

Impacts are showing up from the lack of rain over the past 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:



• 15 reservoir systems have reported that they are currently at 100% full (-1 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).
- 4 system's short-term week to week trend is upward (+1 since last week). 16 systems are trending downward in capacity from their previous measurements (+1 since last week). 14 systems have had no change in capacity (-2 since last week).
- No Reservoir systems are under a drought stage.



- US Drought Monitor: No change in D0 Abnormally Dry classification in USDM map for CT.
- https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CT



• Last USDM week, CT received trace amounts of precipitation between May 24th and May 30th. (Map 1). The 30-day Percent of Normal Precipitation map shows below normal precipitation. (Map 2). The long-term trend over the last 90-days shows that the center of CT is near normal for rainfall with areas of dryness in the western and eastern portions of CT (Map 3). The 7-Day Streamflow map shows impacts of below normal precipitation over the last 30 days with several areas below normal for streamflows across CT. Groundwater real time monitoring wells show below normal measurements being recorded in south central 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	5/14/2023	86.60	No Drought Stage	\checkmark	94.70	92	5/7/2023	87.70	FAIRFIELD	
CT1030011	Norwalk First Taxing District	5/28/2023	94.30	No Drought Stage	\checkmark	97.30	97	5/21/2023	94.70	FAIRFIELD	
CT0090011	Bethel Water Dept	5/28/2023	98.40	No Drought Stage	\checkmark	97.90	100	5/21/2023	99.20	FAIRFIELD	
CT1030021	South Norwalk Electric & Water	5/30/2023	98.70	No Drought Stage	\checkmark	97.40	101	5/22/2023	100.00	FAIRFIELD	
CT0570011	Aquarion Water Co of CT-Greenwich Systen	5/14/2023	99.00	No Drought Stage	1	98.10	101	5/7/2023	97.80	FAIRFIELD	
CT0150011	Aquarion Water Co of CT-Main System	5/14/2023	99.20	No Drought Stage	\checkmark	98.20	101	5/7/2023	99.90	FAIRFIELD	
CT0340011	Danbury Water Department	5/21/2023	99.90	No Drought Stage	\checkmark	96.10	104	5/14/2023	100.00	FAIRFIELD	
CT0890011	New Britain Water Department	5/25/2023	90.30	No Drought Stage	\checkmark	91.40	99	5/18/2023	90.90	HARTFORD	
CT0770021	Manchester Water Department	5/28/2023	99.90	No Drought Stage	\checkmark	100.20	100	5/21/2023	100.00	HARTFORD	
CT0170011	Bristol Water Department	5/7/2023	98.60	No Drought Stage	\checkmark	97.50	101	4/30/2023	98.80	HARTFORD	
CT1310011	Southington Water Department	5/27/2023	100.00	No Drought Stage		97.30	103	5/20/2023	100.00	HARTFORD	
CT0640011	Metropolitan District Commission	5/29/2023	99.50	No Drought Stage	↓	97.00	103	5/22/2023	100.00	HARTFORD	
CT0473011	CTWC - Northern Reg-Western System	5/25/2023	100.00	No Drought Stage		96.60	104	5/18/2023	100.00	HARTFORD	
CT1620011	Winsted Water Works	5/28/2023	100.00	No Drought Stage		100.00	100	5/21/2023	100.00	LITCHFIELD	
CT1220011	Aquarion Water Co of CT-Salisbury Sys	5/14/2023	100.00	No Drought Stage		99.80	100	5/7/2023	100.00	LITCHFIELD	
CT0980011	Aquarion Water Co of CT-Norfolk System	5/14/2023	100.00	No Drought Stage		99.80	100	5/7/2023	100.00	LITCHFIELD	
CT1430011	Torrington Water Company	5/14/2023	94.50	No Drought Stage	\checkmark	94.70	100	5/7/2023	94.80	LITCHFIELD	
CT1250011	Sharon Water & Sewer Commission	5/6/2023	100.00	No Drought Stage		95.50	105	4/29/2023	100.00	LITCHFIELD	
CT0261031	CTWC - Shoreline Region-Chester System	5/25/2023	100.00	No Drought Stage	\uparrow	97.40	103	5/18/2023	98.70	MIDDLESEX	
CT0830011	Middletown Water Department	5/21/2023	100.00	No Drought Stage		97.50	103	5/14/2023	100.00	MIDDLESEX	
CT0830021	Connecticut Valley Hospital	5/22/2023	100.00	No Drought Stage		95.70	105	5/15/2023	100.00	MIDDLESEX	
CT0608011	CTWC - Shoreline Region-Guilford System	5/25/2023	100.00	No Drought Stage		99.60	100	5/18/2023	100.00	NEW HAVEN	
CT1510011	Waterbury Water Department	5/7/2023	98.10	No Drought Stage	\downarrow	97.80	100	4/30/2023	99.40	NEW HAVEN	
CT0880011	CTWC - Naugatuck Region-Central System	5/25/2023	100.00	No Drought Stage		99.00	101	5/18/2023	100.00	NEW HAVEN	
CT0800011	Meriden Water Division	5/14/2023	97.60	No Drought Stage	\downarrow	96.20	102	5/7/2023	99.40	NEW HAVEN	
CT1480011	Wallingford Water Department	5/26/2023	95.40	No Drought Stage	1	92.60	103	5/19/2023	95.10	NEW HAVEN	
CT0930011	Regional Water Authority	5/21/2023	98.30	No Drought Stage		95.40	103	5/14/2023	98.40	NEW HAVEN	
CT0580011	Jewett City Water Company	5/22/2023	100.00	No Drought Stage		99.80	100	5/15/2023	100.00	NEW LONDON	
CT0590011	Groton Utilities	5/22/2023	99.20	No Drought Stage		98.70	101	5/15/2023	99.20	NEW LONDON	
CT1040011	Norwich Public Utilities	5/27/2023	100.00	No Drought Stage	1	99.30	101	5/20/2023	99.70	NEW LONDON	
CT1370011	Aquarion Water Co of CT-Mystic	5/14/2023	100.00	No Drought Stage		99.30	101	5/7/2023	100.00	NEW LONDON	
CT0950011	New London Dept. of Public Utilities	5/28/2023	93.80	No Drought Stage	↓	88.80	106	5/21/2023	94.60	NEW LONDON	
CT1340011	CTWC - Northern Reg-Stafford System	5/25/2023	92.70	No Drought Stage	\checkmark	99.80	93	5/18/2023	95.90	TOLLAND	
CT1630011	Windham Water Works	5/21/2023	100.00	No Drought Stage		100.00	100	5/14/2023	100.00	WINDHAM	
			98.06			97.25	100.83		Ave Percent o	Ave Percent of Normal by County	
↑ -Increase since last measurement (less than 10% increase)				Number of systems: Greater than or equal to 100% of Normal		mal	20		99.43 FAIRFIELD		
	↑ -Increase since last measurement (10% or greater increase) ↓ -Decrease since last measurement (less than 10% decrease)			Between 90% and 99% of		IIIdI	30 4			57 HARTFORD 00 LITCHFIELD	

\uparrow	-Increase since last measurement (less than 10% increase)
$\uparrow \uparrow$	-Increase since last measurement (10% or greater increase)
\checkmark	-Decrease since last measurement (less than 10% decrease)
$\checkmark \checkmark$	-Decrease since last measurement (10% or greater decrease)
	- Same measurement as the previous measurement

Greater than or equal to 100% of Normal	30
Between 90% and 99% of Normal	4
Less than 90% of Normal	0
At 100% Full	15

Ave Percent of Normal by County 99.43 FAIRFIELD 101.67 HARTFORD 101.00 LITCHFIELD 103.67 MIDDLESEX 101.50 NEW HAVEN 101.80 NEW LONDON 93.00 TOLLAND

Interagency Drought Workgroup

Regular Meeting June 8, 2023 Information from DEMHS provided on 6/7/23

The long range 14-day rainfall forecast from the GFS model looks slightly below normal.

The map below shows a range of rainfall from 0.75" to 1.50" across the state during the next two weeks. Normal rainfall is just under 2.00".

Most of the rainfall will be the result of afternoon showers and thunderstorms, which are typical at this time of the year, and a few weak low-pressure systems moving across the area.

Long Range 14-day Rainfall Forecast Map



Note: Yellow arrow added to guide focus towards Connecticut / Southern New England region