

Connecticut Drought Conditions Report

Monthly Update for July 2024

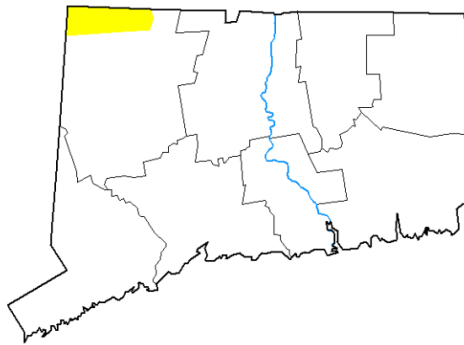


Interagency Drought Workgroup
October 3, 2024
Regular Meeting

U.S. Drought Monitor (USDM): The maps included in this report are from the weeks of July 2nd, 9th, 16th, and 23rd. A small portion of the Northwest corner of the state moved into the D0 Category on June 18th and remained until July 23rd. The entire state of Connecticut had no drought classification via the USDM for the remainder of July.

**U.S. Drought Monitor
Connecticut**

July 2, 2024
(Released Wednesday, Jul. 3, 2024)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

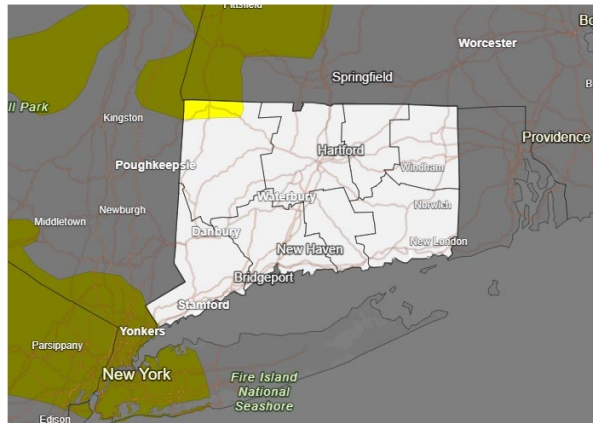
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	97.89	2.11	0.00	0.00	0.00	0.00
Last Week 06-25-2024	93.41	6.59	0.00	0.00	0.00	0.00
3 Months Ago 04-02-2024	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-01-2024	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 09-26-2023	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago 07-04-2023	17.17	82.83	4.00	0.00	0.00	0.00

Intensity:
 None (White) D2 Severe Drought (Orange)
 D0 Abnormally Dry (Yellow) D3 Extreme Drought (Red)
 D1 Moderate Drought (Light Orange) D4 Exceptional Drought (Dark Red)

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:
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NOAA/NWS/NCEP/CPC

U.S. Drought Monitor



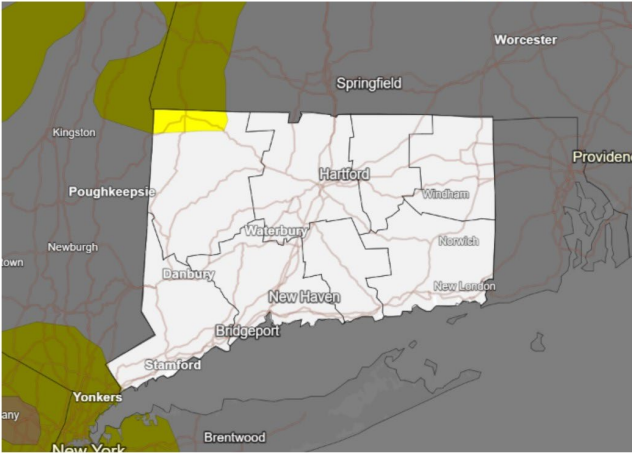
Drought & Dryness Categories

Category	% of CT
D0 - Abnormally Dry	2.2%
D1 - Moderate Drought	0.0%
D2 - Severe Drought	0.0%
D3 - Extreme Drought	0.0%
D4 - Exceptional Drought	0.0%
Total Area in Drought (D1-D4)	0.0%

Source(s): NDMC, NOAA, USDA
Data Valid: 07/09/24

Drought.gov

U.S. Drought Monitor



Drought & Dryness Categories	% of CT
D0 - Abnormally Dry	2.2%
D1 - Moderate Drought	0.0%
D2 - Severe Drought	0.0%
D3 - Extreme Drought	0.0%
D4 - Exceptional Drought	0.0%
Total Area in Drought (D1-D4)	0.0%

Source(s): NDMC, NOAA, USDA
Data Valid: 07/16/24

Drought.gov

U.S. Drought Monitor
Connecticut

July 23, 2024

(Released Thursday, Jul. 25, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	99.97	0.03	0.00	0.00	0.00	0.00
Last Week 07-16-2024	97.84	2.16	0.00	0.00	0.00	0.00
3 Months Ago 04-23-2024	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 09-26-2023	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago 07-25-2023	97.82	2.18	0.00	0.00	0.00	0.00

Intensity:

None	D0 Abnormally Dry	D1 Moderate Drought	D2 Severe Drought	D3 Extreme Drought	D4 Exceptional Drought
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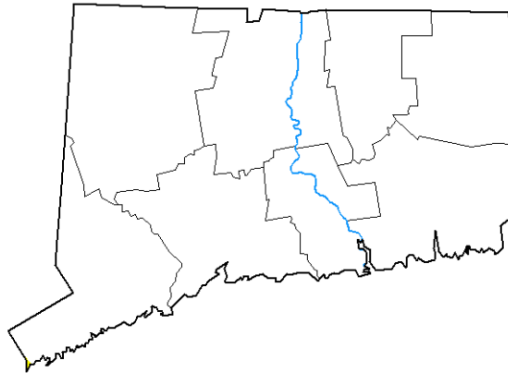
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Author:

Rocky Billotta
NCEI/NOAA

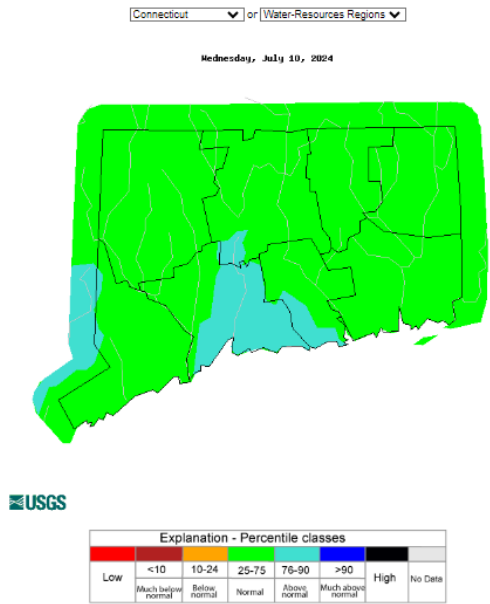


droughtmonitor.unl.edu

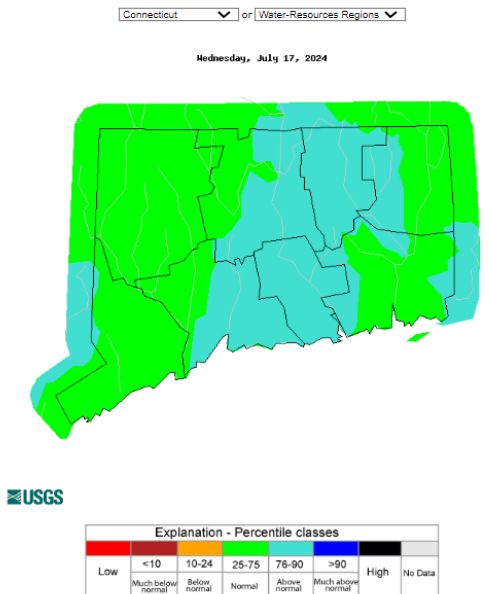


Streamflow Levels: The maps shown below convey the 28-day average streamflow as of July 10th, 17th, and 24th. The first map from July 10th shows normal streamflow levels throughout the state, and above normal levels in the south-central region of the state. The following two maps show increasing streamflow levels, with above normal levels in most of central Connecticut and a portion of northeastern Connecticut, with the rest of the state at normal levels.

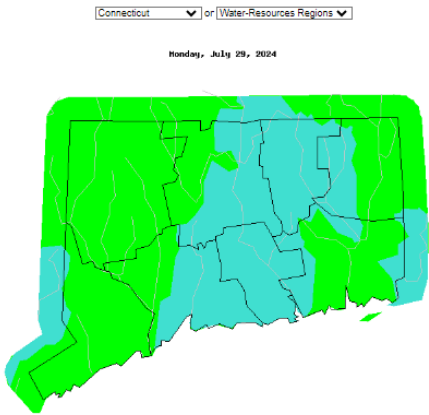
Map of 28-day average streamflow compared to historical streamflow for the day of the year (Connecticut)



Map of 28-day average streamflow compared to historical streamflow for the day of the year (Connecticut)



Map of 28-day average streamflow compared to historical streamflow for the day of the year (Connecticut)



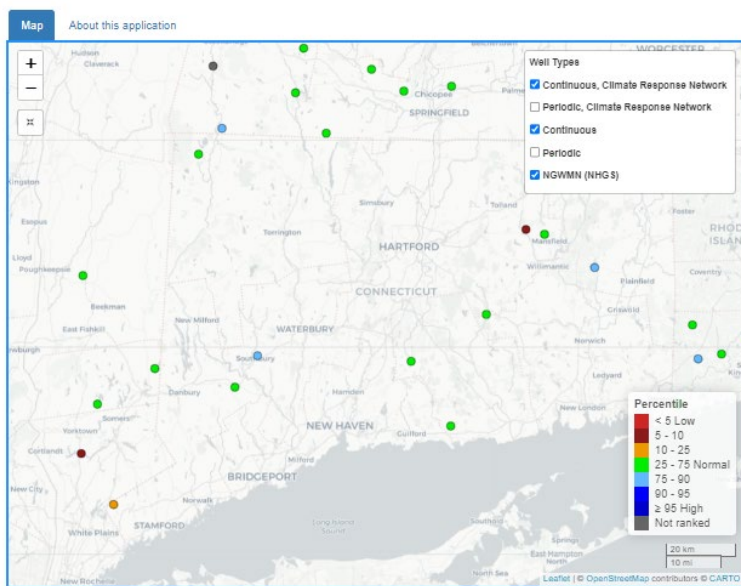
Explanation - Percentile classes

Low	<10	10-24	25-75	75-90	>90	High	No Data
Much below normal	Below normal	Normal	Above normal	Much above normal			

Groundwater Levels: As of July 29th, continuously measured groundwater wells, shown in the first map, were showing most wells at normal levels. Shown in the second map, periodic groundwater wells were mostly at normal levels, with a few outliers in the northwest corner of the state showing much below normal levels. As shown in the above USDM maps, this portion of the state experienced some dryness.

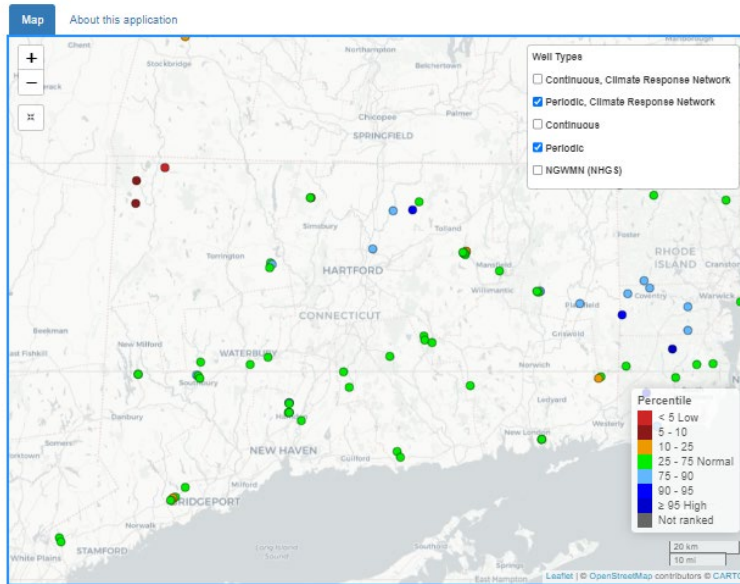
Groundwater Levels in New England

Recent conditions relative to historical monthly statistics



Groundwater Levels in New England

Recent conditions relative to historical monthly statistics



July Temperatures: The map shown below demonstrates that much of New England experienced a warmer-than-normal month, with Connecticut experiencing 2-4 degrees Fahrenheit above normal.

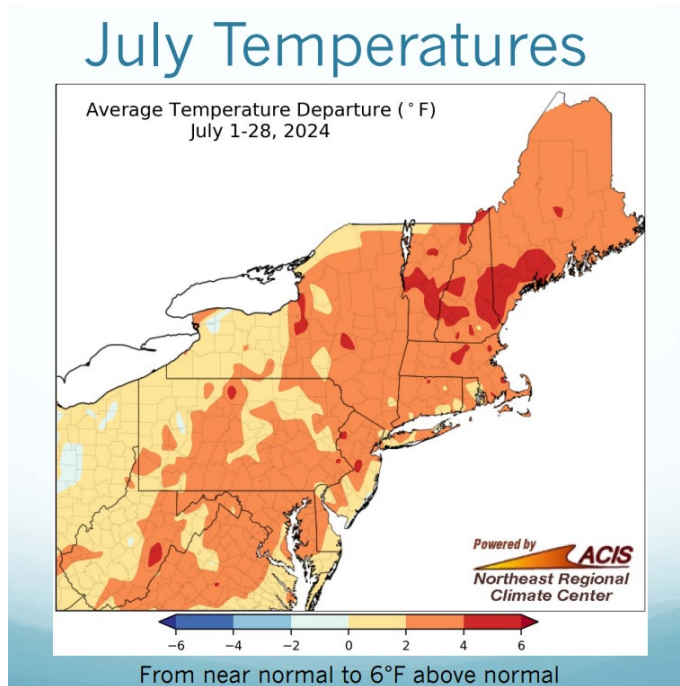


Figure courtesy of the Northeast Regional Climate Center, July 2024

For additional information on [weather impacts from July 2024](#) see the [Northeast Regional Climate Center's recap slides](#).