

# Connecticut Drought Conditions Report

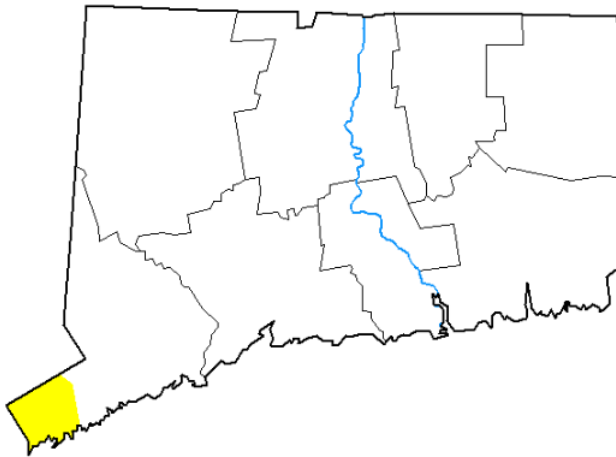
Monthly Update for August 2025



Interagency Drought Workgroup  
September 4, 2025  
Regular Meeting

**U.S. Drought Monitor (USDM):** Since July 29<sup>th</sup> there has been considerable change in the state's drought conditions per the USDM, particularly with the distribution of D0 conditions in the southern portion of the state. Throughout the month of August, up to 51.05% of the state experienced D0 conditions. The most recent data from August 26<sup>th</sup> shows 39.87% of the state in D0 (Abnormally Dry). The maps included are from the weeks of July 29<sup>th</sup>, August 5<sup>th</sup>, August 12<sup>th</sup>, August 19<sup>th</sup> and August 26<sup>th</sup>.

## U.S. Drought Monitor Connecticut



**July 29, 2025**

(Released Thursday, Jul. 31, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	98.18	1.82	0.00	0.00	0.00	0.00
<b>Last Week</b> 07-22-2025	98.18	1.82	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> 04-29-2025	0.05	99.95	11.95	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-01-2025	0.00	100.00	94.83	10.14	0.00	0.00
<b>Start of Water Year</b> 10-01-2024	36.34	63.66	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 07-30-2024	99.94	0.06	0.00	0.00	0.00	0.00

### Intensity:

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

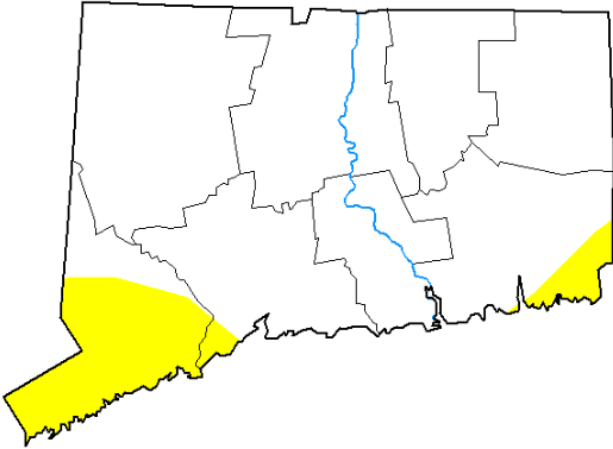
David Simeral  
Western Regional Climate Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# U.S. Drought Monitor Connecticut

**August 5, 2025**  
(Released Thursday, Aug. 7, 2025)  
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	87.72	12.28	0.00	0.00	0.00	0.00
<b>Last Week</b> 07-29-2025	98.18	1.82	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> 05-06-2025	47.49	52.51	0.18	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-07-2025	0.00	100.00	94.83	10.14	0.00	0.00
<b>Start of Water Year</b> 10-01-2024	36.34	63.66	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 08-06-2024	100.00	0.00	0.00	0.00	0.00	0.00

## Intensity:

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

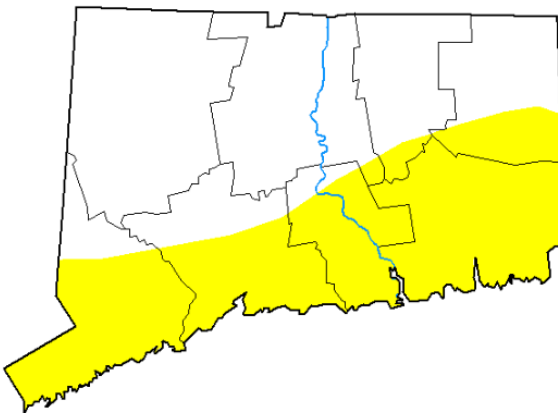
Richard Tinker  
CPC/NOAA/NWS/NCEP



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# U.S. Drought Monitor Connecticut

**August 12, 2025**  
(Released Thursday, Aug. 14, 2025)  
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	56.57	43.43	0.00	0.00	0.00	0.00
<b>Last Week</b> 08-05-2025	87.72	12.28	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> 05-13-2025	97.37	2.63	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-07-2025	0.00	100.00	94.83	10.14	0.00	0.00
<b>Start of Water Year</b> 10-01-2024	36.34	63.66	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 08-13-2024	100.00	0.00	0.00	0.00	0.00	0.00

## Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	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>

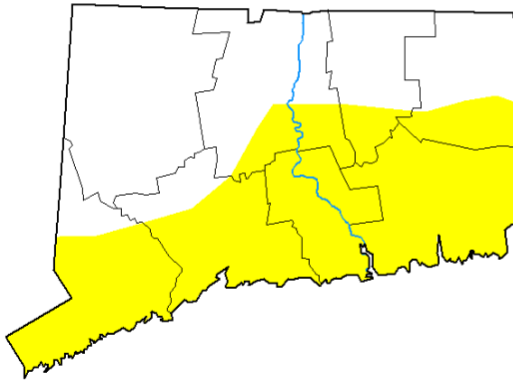
## Author:

Richard Tinker  
CPC/NOAA/NWS/NCEP



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# U.S. Drought Monitor Connecticut



**August 19, 2025**  
(Released Thursday, Aug. 21, 2025)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	48.95	51.05	0.00	0.00	0.00	0.00
<b>Last Week</b> 08-12-2025	56.57	43.43	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> 05-20-2025	97.41	2.59	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-01-2025	0.00	100.00	94.83	10.14	0.00	0.00
<b>Start of Water Year</b> 10-01-2024	36.34	63.66	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 08-20-2024	100.00	0.00	0.00	0.00	0.00	0.00

## Intensity

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	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>

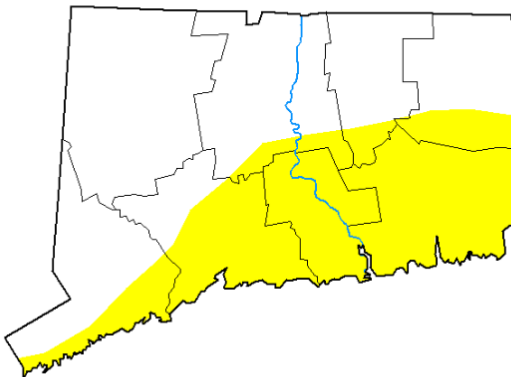
## Author

Lindsay Johnson  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# U.S. Drought Monitor Connecticut



**August 26, 2025**  
(Released Thursday, Aug. 28, 2025)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	60.13	39.87	0.00	0.00	0.00	0.00
<b>Last Week</b> 08-19-2025	48.95	51.05	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> 05-27-2025	98.17	1.83	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-01-2025	0.00	100.00	94.83	10.14	0.00	0.00
<b>Start of Water Year</b> 10-01-2024	36.34	63.66	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 08-27-2024	100.00	0.00	0.00	0.00	0.00	0.00

## Intensity

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	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

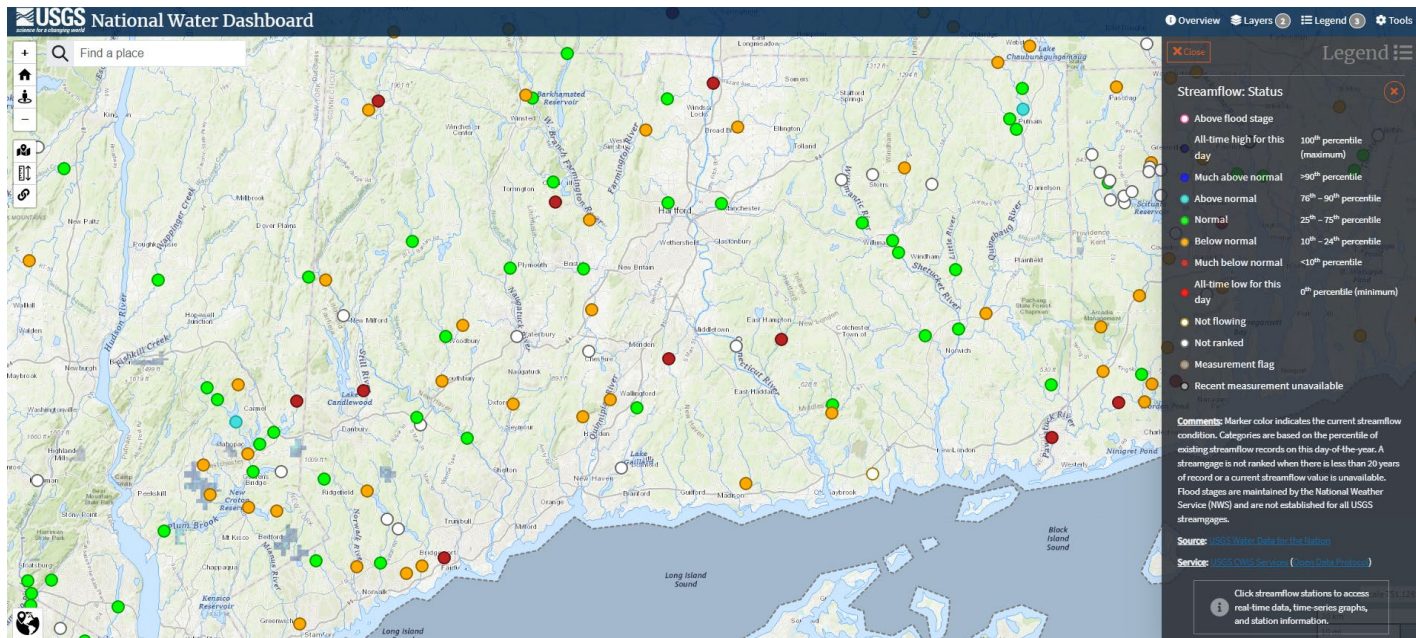
Brad Rippey  
U.S. Department of Agriculture



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



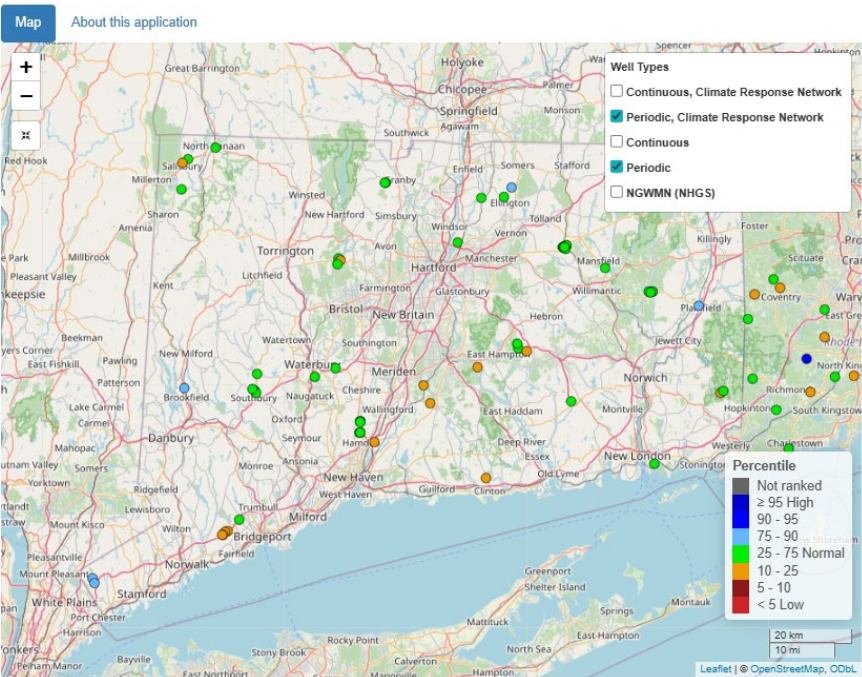
**Streamflow Levels (via USGS):** The map below shows a snapshot of real-time stream flow data from September 3<sup>rd</sup>. The streamflow levels in this map are split between Normal and Below Normal levels, with a few sites Much Below Normal.



**Groundwater Levels (via USGS):** The following maps are from the end of August – the first map displays periodic monitored wells, while the second map displays continuously monitored wells. The first map shows most wells in the southern portion of the state at below normal (10-25%) levels and the remaining wells at normal (25-75%) levels. The second map shows a similar distribution, with wells in the southern central portion of the state below normal levels, and the remaining wells at normal levels.

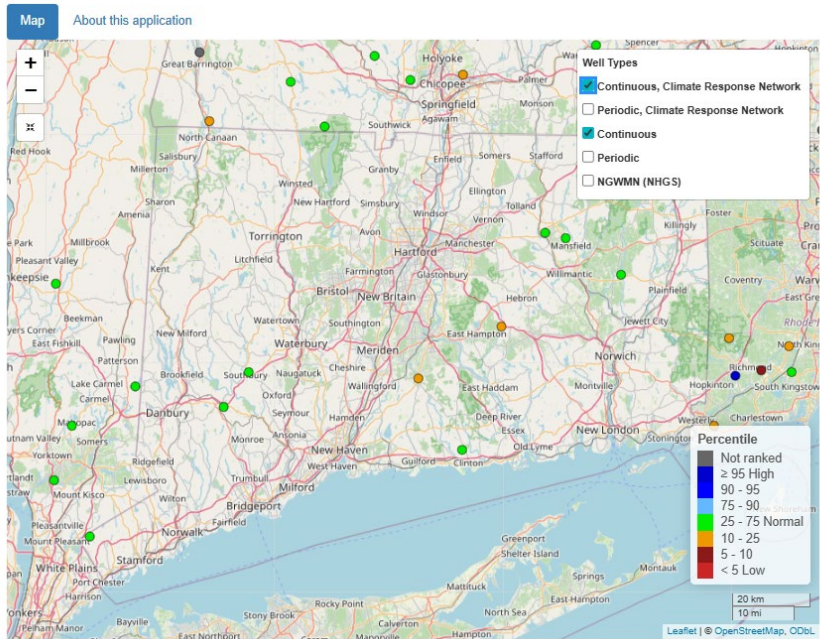
# Groundwater Levels in New England

Recent conditions relative to historical monthly statistics



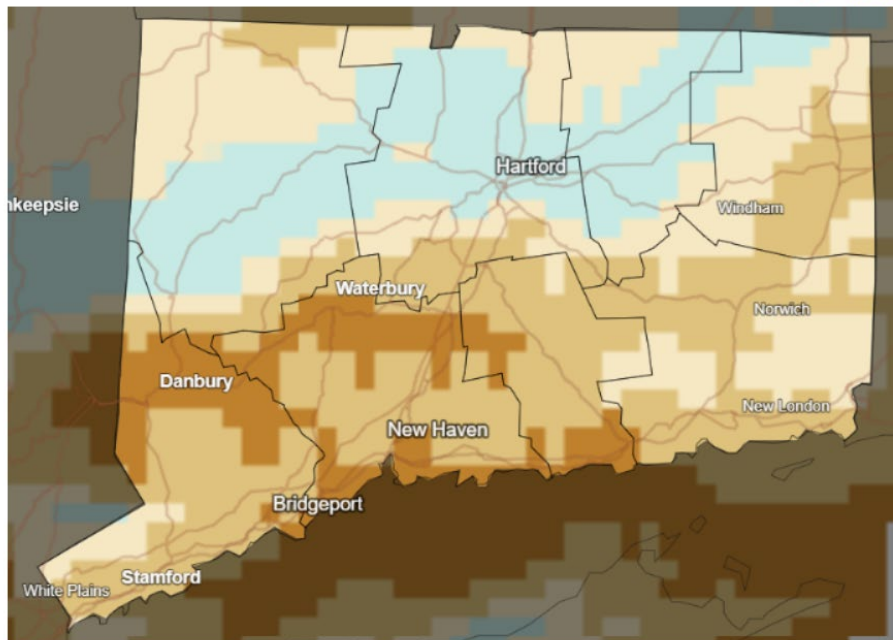
# Groundwater Levels in New England

Recent conditions relative to historical monthly statistics

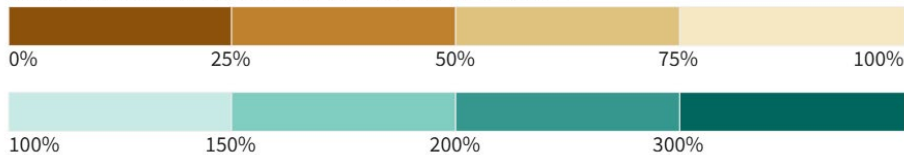


**August Precipitation:** Below are 30-Day and 60-Day Percent of Normal Precipitation maps dated August 29<sup>th</sup>. The 30-Day map illustrates drier than normal conditions in the southern portion of the state, with near normal conditions in the northern portion. The 60-day map illustrates mostly normal conditions, with drier-than-normal conditions along the coast. Over the last month, percent of normal precipitation ranged between 51-98% of normal across the state.

### 30-Day Percent of Normal Precipitation



Precipitation Shown as a Percentage of Normal Conditions

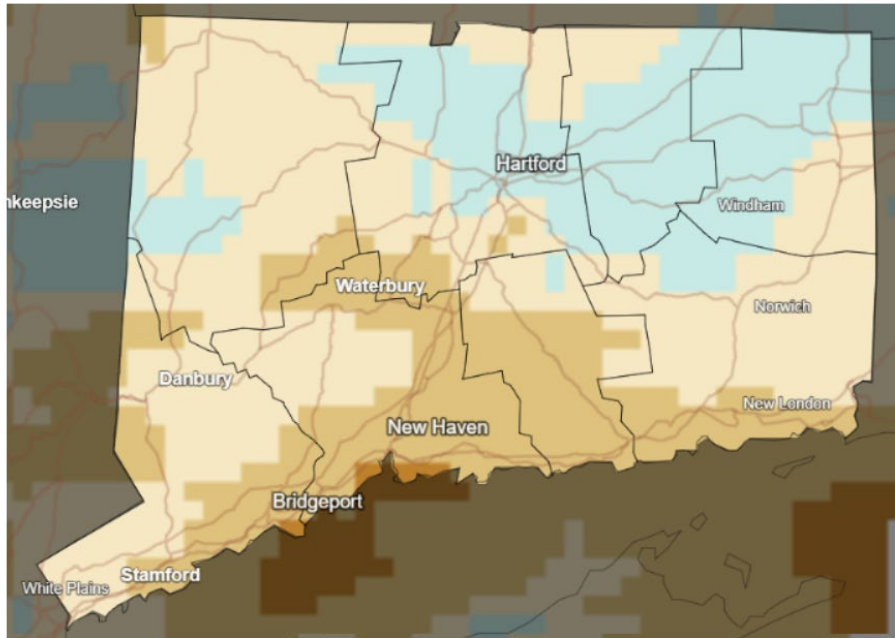


Source(s): UC Merced  
Data Valid: 08/29/25

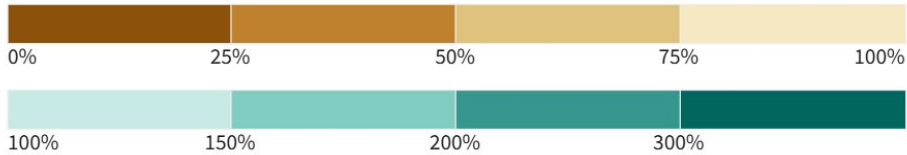
**Drought.gov**



## 60-Day Percent of Normal Precipitation



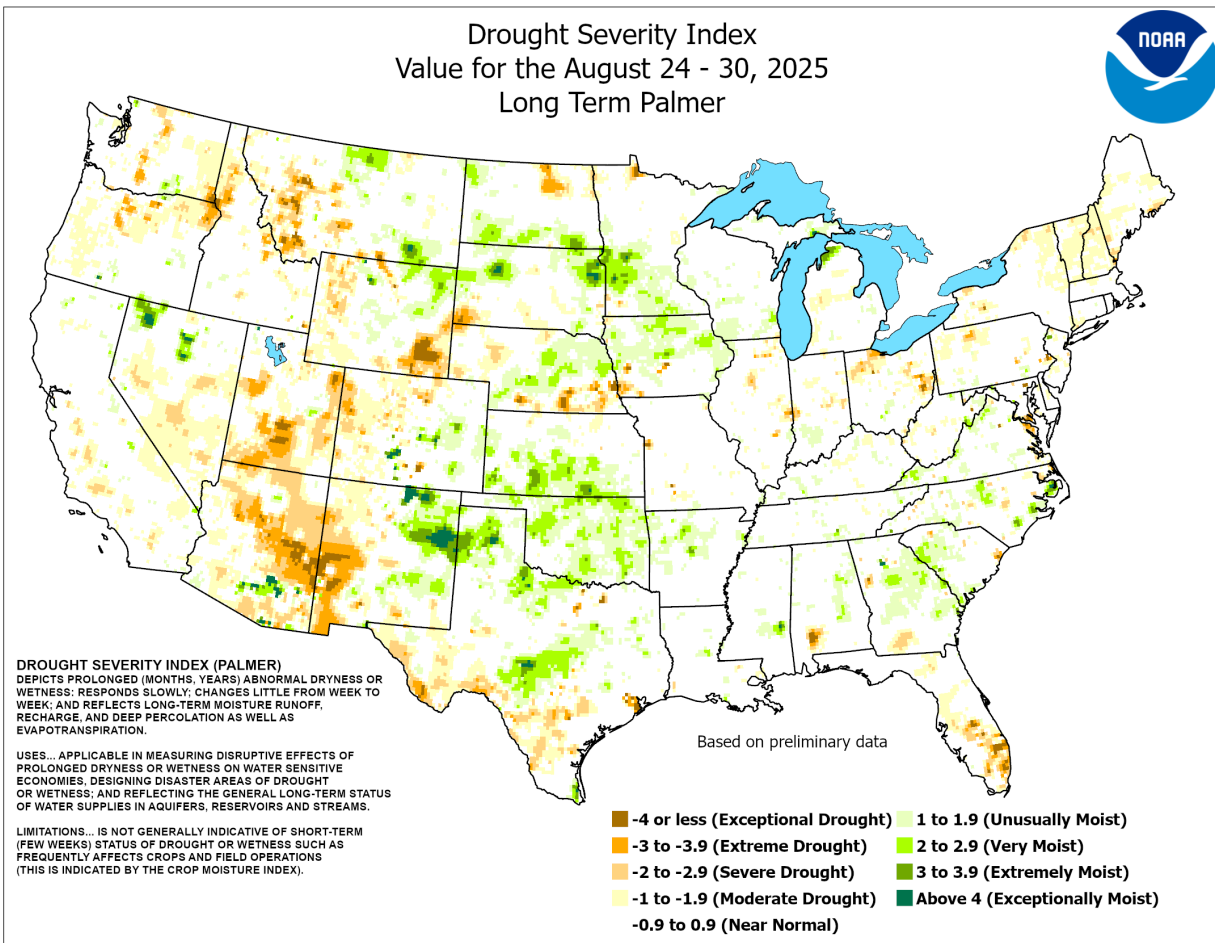
Precipitation Shown as a Percentage of Normal Conditions



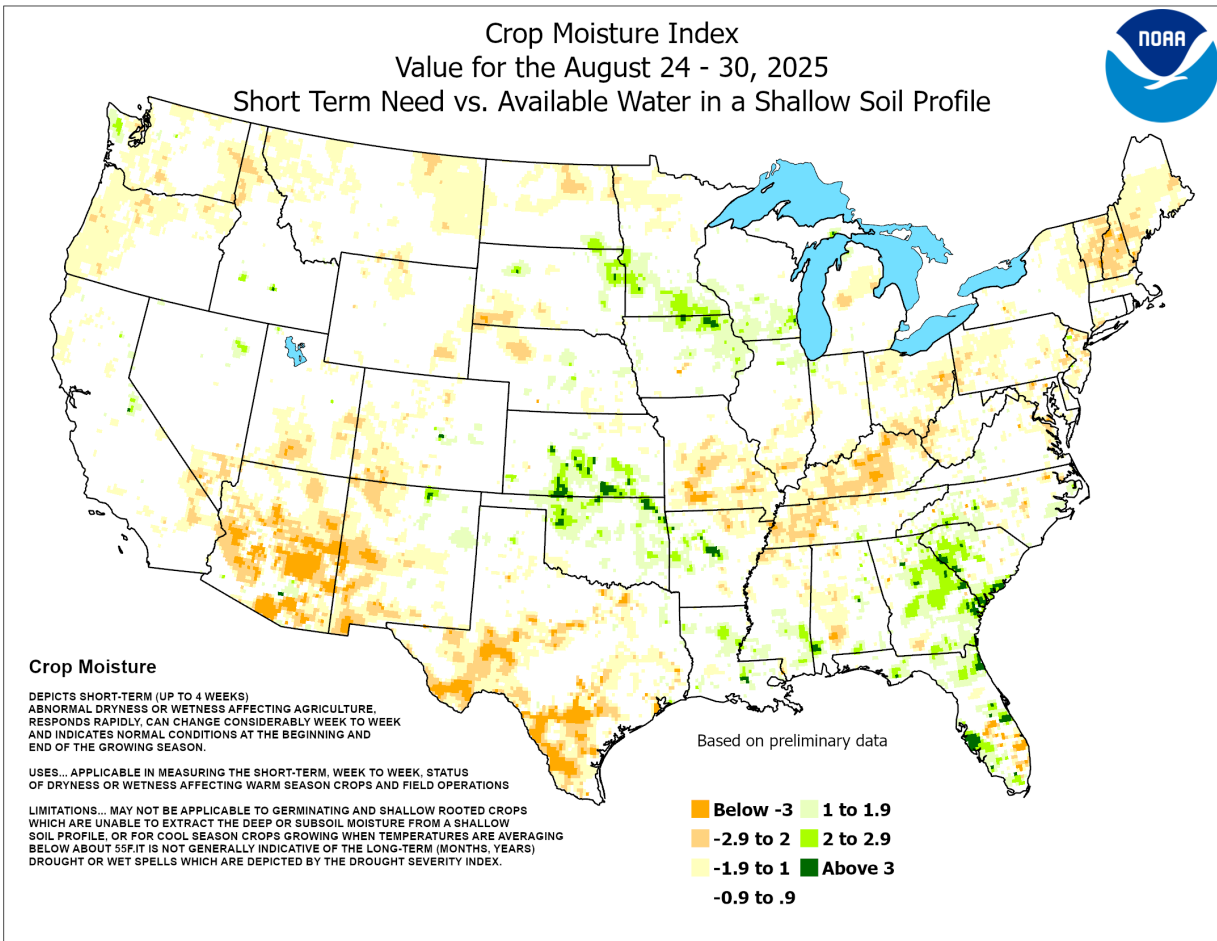
Source(s): UC Merced  
Data Valid: 08/29/25

**Drought.gov**

**Palmer Drought Severity Index:** The map below demonstrates the Palmer Drought Severity Index across the contiguous United States. Overall, the state appears to be Near Normal (-0.9 to 0.9), with portions of Fairfield County in Moderate Drought (-1 to -1.9).



**Crop Moisture Index:** The map below demonstrates the Crop Moisture Index across the contiguous United States. Overall, the state is between -0.9 to 0.9, with portions of Fairfield County between -2.9 to 2.

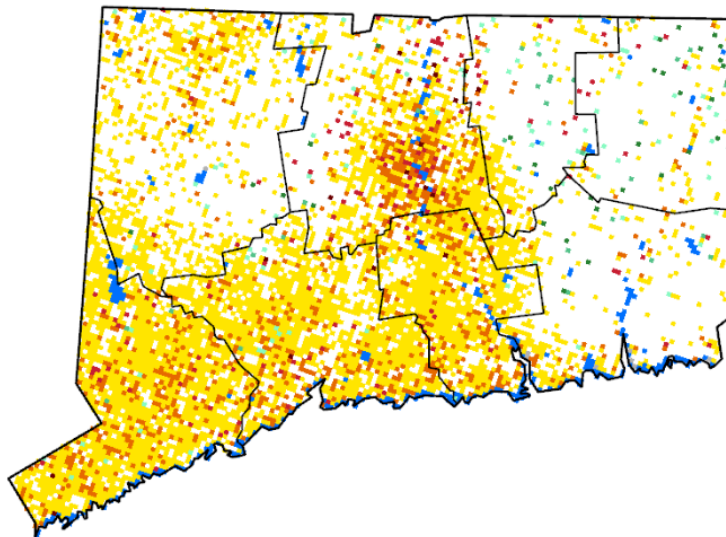


[Vegetation Drought Response Index \(VegDRI\)](#): The VegDRI map below is dated August 31<sup>st</sup> and shows the southwest and south-central portions of the state in Pre-Drought Stress, with some occurrence of Moderate Drought.

## Connecticut

[Home](#) / Connecticut

Map for August 31, 2025



Map type: Complete

Download Map

Vegetation Condition

- Extreme Drought
- Severe Drought
- Moderate Drought
- Pre-drought stress
- Near Normal
- Unusually Moist
- Very Moist
- Extremely Moist
- Out of Season
- Water
- Other Landcover

Zoom to a region

Return to U.S. map

State Statistics

### Fire Danger Levels from CT DEEP:

CT DEEP Forestry monitors wildfire conditions regularly and moves to a daily measurement when conditions are drier and the risk of wildfires is greater. In order, their fire danger ranking scheme is: **LOW, MODERATE, HIGH, VERY HIGH, AND EXTREME**. According to CT DEEP Forestry, wildfire danger levels in the state were as follows for the month of August:

- 8/1/25-8/3/25: **LOW**
- 8/4/25-8/10/25: **MODERATE**
- 8/11/25 – 8/13/25: **HIGH**
- 8/14/25: **MODERATE**
- 8/15/25-8/20/25: **HIGH**
- 8/21/25-8/22/25: **LOW**
- 8/25/25 – 8/27/25: **MODERATE**
- 8/28/25: **HIGH**
- 8/25/25 – 9/3/25: **MODERATE**

## Stage 2 Drought Trigger Summary by Region – September 4, 2025

The state of Connecticut is not currently experiencing an official drought stage per the [State Drought Preparedness and Response Plan](#) and the professional judgement of the Interagency Drought Workgroup. The following table was prepared for the purpose of relaying information and is not intended to indicate whether a drought stage has been or will be declared.

	Stage 2 Trigger	Fairfield	Hartford	Litchfield	Middlesex	New Haven	New London	Tolland	Windham	Date of Record
Precipitation (1)	Two-month total below 65% of normal (average)	72% of normal	95% of normal	90% of normal	65% of normal	65% of normal	74% of normal	107% of normal	96% of normal	8/31/2025
Groundwater (2)	Two out of three months below the 25th percentile	40% of stations meet trigger	10% of stations meet trigger	0% of stations meet trigger	33.3% of stations meet trigger	7.7% of stations meet trigger	0% of stations meet trigger	0% of stations meet trigger	16.7% of stations meet trigger	8/31/2025
Streamflow (3)	Two out of three months below the 25th percentile	0% of stations meet trigger	0% of stations meet trigger	0% of stations meet trigger	0% of stations meet trigger	0% of stations meet trigger	0% of stations meet trigger	0% of stations meet trigger	0% of stations meet trigger	8/31/2025
Reservoirs (4)	Average levels less than 80% of normal	97.71% of normal	98.33% of normal	105.4% of normal	98.67% of normal	97.33% of normal	96.8% of normal	n/a	100% of normal	9/2/2025
Palmer Drought Severity Index (5)	(-2.0 to -2.99)	(-1 to -1.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	8/30/2025
Crop Moisture Index (6)	(-1.0 to -1.99)	(-2.9 to 2.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	(-0.9 to 0.9)	8/30/2025
VegDRI (seasonal) (7)	Pre-Drought Conditions	Pre-Drought Conditions	Near Normal to Pre-Drought Conditions	Near Normal	Pre-Drought Conditions	Pre-Drought Conditions	Near Normal	Near Normal	Near Normal	8/31/2025
Fire Danger (8)	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	9/3/2025
U.S. Drought Monitor (9)	Intensity Level D1-D2	none-D0	none-D0	none	D0	none-D0	D0	none-D0	none-D0	8/26/2025

Key:	Drought trigger met across majority of region	Drought trigger partially met	Drought trigger not met
------	---	-------------------------------	-------------------------



Surface Water Measurements and Trends

8-15-2025

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	8/10/2025	70.30	No Drought Stage	↓	77.30	91	8/3/2025	73.90	FAIRFIELD
CT0150011	Aquarion Water Co of CT-Main System	8/3/2025	83.00	No Drought Stage	↓	86.50	96	7/27/2025	85.50	FAIRFIELD
CT0090011	Bethel Water Dept	8/10/2025	98.90	No Drought Stage	↓	94.70	104	8/3/2025	99.50	FAIRFIELD
CT1350011	Aquarion Water Co of CT-Stamford	8/3/2025	79.80	No Drought Stage	↑	76.80	104	7/27/2025	79.10	FAIRFIELD
CT0340011	Danbury Water Department	8/10/2025	89.30	No Drought Stage	↓	82.60	108	8/3/2025	91.00	FAIRFIELD
CT0570011	Aquarion Water Co of CT-Greenwich Syster	8/3/2025	85.40	No Drought Stage	↓	78.30	109	7/27/2025	88.90	FAIRFIELD
CT1030021	South Norwalk Electric & Water	8/11/2025	79.70	No Drought Stage	--	72.30	110	8/4/2025	79.70	FAIRFIELD
CT0890011	New Britain Water Department	8/14/2025	76.30	No Drought Stage	↓	73.40	104	8/7/2025	79.20	HARTFORD
CT0170011	Bristol Water Department	8/2/2025	88.80	No Drought Stage	↓	84.80	105	7/27/2025	89.90	HARTFORD
CT0770021	Manchester Water Department	8/10/2025	91.60	No Drought Stage	↓	86.40	106	8/3/2025	95.00	HARTFORD
CT0473011	CTWC - Northern Reg-Western System	8/6/2025	88.70	No Drought Stage	↓	82.90	107	7/31/2025	91.00	HARTFORD
CT0640011	Metropolitan District Commission	8/10/2025	96.80	No Drought Stage	↓	90.00	108	8/3/2025	97.60	HARTFORD
CT1310011	Southington Water Department	8/9/2025	86.50	No Drought Stage	↓	71.00	122	8/2/2025	90.70	HARTFORD
CT0980011	Aquarion Water Co of CT-Norfolk System	8/3/2025	100.00	No Drought Stage	↑	98.00	102	7/27/2025	99.70	LITCHFIELD
CT1620011	Winsted Water Works	8/10/2025	97.50	No Drought Stage	↓	95.70	102	7/27/2025	100.00	LITCHFIELD
CT1250011	Sharon Water & Sewer Commission	8/9/2025	100.00	No Drought Stage	--	96.00	104	8/2/2025	100.00	LITCHFIELD
CT1220011	Aquarion Water Co of CT-Salisbury Sys	8/3/2025	92.90	No Drought Stage	↑	89.00	104	7/27/2025	92.60	LITCHFIELD
CT1430011	Torrington Water Company	8/3/2025	97.10	No Drought Stage	↑	79.50	122	7/27/2025	96.60	LITCHFIELD
CT0830011	Middletown Water Department	7/26/2025	79.90	No Drought Stage	↓	90.30	88	7/19/2025	83.60	MIDDLESEX
CT0830021	Connecticut Valley Hospital	7/28/2025	93.50	No Drought Stage	↓	92.10	101	7/21/2025	94.20	MIDDLESEX
CT0261031	CTWC - Shoreline Region-Chester System	8/6/2025	95.60	No Drought Stage	↑↑↑	87.90	109	7/31/2025	84.30	MIDDLESEX
CT0880011	CTWC - Naugatuck Region-Central System	8/6/2025	69.00	No Drought Stage	--	87.10	79	7/31/2025	69.00	NEW HAVEN
CT0800011	Meriden Water Division	7/27/2025	84.00	No Drought Stage	↓	87.40	96	7/20/2025	85.30	NEW HAVEN
CT0608011	CTWC - Shoreline Region-Guilford System	8/6/2025	79.90	No Drought Stage	↓	80.00	100	7/31/2025	84.40	NEW HAVEN
CT1510011	Waterbury Water Department	7/29/2025	93.20	No Drought Stage	↑	91.40	102	7/27/2025	89.90	NEW HAVEN
CT0930011	Regional Water Authority	8/4/2025	84.60	No Drought Stage	↓	80.20	106	8/3/2025	84.60	NEW HAVEN
CT1480011	Wallingford Water Department	8/1/2025	87.10	No Drought Stage	↓	80.80	108	7/18/2025	89.80	NEW HAVEN
CT0580011	Jewett City Water Company	7/30/2025	92.10	No Drought Stage	↑	91.20	101	7/21/2025	84.40	NEW LONDON
CT0590011	Groton Utilities	8/4/2025	89.90	No Drought Stage	↓	86.20	104	7/28/2025	91.80	NEW LONDON
CT1040011	Norwich Public Utilities	8/9/2025	88.50	No Drought Stage	↓	85.40	104	8/2/2025	90.70	NEW LONDON
CT1370011	Aquarion Water Co of CT-Mystic	8/3/2025	87.40	No Drought Stage	↓	82.50	106	7/27/2025	90.30	NEW LONDON
CT0950011	New London Dept. of Public Utilities	8/3/2025	75.70	No Drought Stage	↓	69.10	110	7/27/2025	77.90	NEW LONDON
CT1630011	Windham Water Works	8/10/2025	100.00	No Drought Stage	--	100.00	100	8/3/2025	100.00	WINDHAM
			87.97				85.05	103.43	Ave Percent of Normal by County	
↑	-Increase since last measurement (less than 10% increase)			Number of systems:				103.14 FAIRFIELD		
↑↑	-Increase since last measurement (10% or greater increase)			Greater than or equal to 100% of Normal				28		
↓	-Decrease since last measurement (less than 10% decrease)			Between 90% and 99% of Normal				3		
↓↓	-Decrease since last measurement (10% or greater decrease)			Less than 90% of Normal				2		
--	- Same measurement as the previous measurement			At 100% Full				3		
							98.50 NEW HAVEN			
							105.00 NEW LONDON			
							100.00 WINDHAM			



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	8/24/2025	65.50	No Drought Stage	↓	77.20	85	8/17/2025	66.00	FAIRFIELD
CT0150011	Aquarion Water Co of CT-Main System	8/10/2025	80.00	No Drought Stage	↓	86.50	93	8/3/2025	83.00	FAIRFIELD
CT1030021	South Norwalk Electric & Water	8/25/2025	70.40	No Drought Stage	↓	72.40	97	8/18/2025	72.50	FAIRFIELD
CT1350011	Aquarion Water Co of CT-Stamford	8/10/2025	76.60	No Drought Stage	↓	76.80	100	8/3/2025	79.80	FAIRFIELD
CT0570011	Aquarion Water Co of CT-Greenwich Syster	8/10/2025	80.00	No Drought Stage	↓	78.40	102	8/3/2025	85.40	FAIRFIELD
CT0340011	Danbury Water Department	8/24/2025	84.80	No Drought Stage	↓	82.70	103	8/17/2025	87.30	FAIRFIELD
CT0090011	Bethel Water Dept	8/24/2025	98.20	No Drought Stage	↓	94.80	104	8/17/2025	98.70	FAIRFIELD
CT0170011	Bristol Water Department	8/31/2025	78.60	No Drought Stage	↓	84.90	93	8/24/2025	81.00	HARTFORD
CT1310011	Southington Water Department	8/23/2025	66.60	No Drought Stage	↓↓	71.20	94	8/16/2025	82.20	HARTFORD
CT0890011	New Britain Water Department	8/28/2025	71.60	No Drought Stage	↓	73.50	97	8/21/2025	74.20	HARTFORD
CT0473011	CTWC - Northern Reg-Western System	8/21/2025	82.20	No Drought Stage	↓	83.10	99	8/6/2025	88.70	HARTFORD
CT0770021	Manchester Water Department	8/24/2025	88.00	No Drought Stage	↑	86.50	102	8/17/2025	87.90	HARTFORD
CT0640011	Metropolitan District Commission	8/31/2025	94.70	No Drought Stage	↓	90.10	105	8/24/2025	95.70	HARTFORD
CT1220011	Aquarion Water Co of CT-Salisbury Sys	8/10/2025	88.40	No Drought Stage	↓	89.10	99	8/3/2025	92.90	LITCHFIELD
CT1620011	Winsted Water Works	8/24/2025	96.20	No Drought Stage	↓	95.70	101	8/17/2025	96.70	LITCHFIELD
CT0980011	Aquarion Water Co of CT-Norfolk System	8/10/2025	99.30	No Drought Stage	↓	98.00	101	8/3/2025	100.00	LITCHFIELD
CT1250011	Sharon Water & Sewer Commission	8/9/2025	100.00	No Drought Stage	--	96.20	104	8/2/2025	100.00	LITCHFIELD
CT1430011	Torrington Water Company	8/10/2025	97.10	No Drought Stage	↓	79.80	122	8/3/2025	97.10	LITCHFIELD
CT0830011	Middletown Water Department	7/26/2025	79.90	No Drought Stage	↓	90.10	89	7/19/2025	83.60	MIDDLESEX
CT0830021	Connecticut Valley Hospital	8/11/2025	90.50	No Drought Stage	↓	92.20	98	7/28/2025	93.50	MIDDLESEX
CT0261031	CTWC - Shoreline Region-Chester System	8/21/2025	96.20	No Drought Stage	↑	88.10	109	8/14/2025	95.60	MIDDLESEX
CT0608011	CTWC - Shoreline Region-Guilford System	8/21/2025	72.20	Drought Watch	↓	80.00	90	8/14/2025	74.40	NEW HAVEN
CT0800011	Meriden Water Division	8/10/2025	78.60	No Drought Stage	↓	84.10	93	8/3/2025	83.20	NEW HAVEN
CT0880011	CTWC - Naugatuck Region-Central System	8/21/2025	85.30	No Drought Stage	↓	86.70	98	8/14/2025	86.20	NEW HAVEN
CT0930011	Regional Water Authority	8/17/2025	79.40	No Drought Stage	↓	80.30	99	8/10/2025	81.70	NEW HAVEN
CT1480011	Wallingford Water Department	8/16/2025	82.90	No Drought Stage	↓	81.00	102	8/9/2025	85.20	NEW HAVEN
CT1510011	Waterbury Water Department	7/29/2025	93.20	No Drought Stage	↑	91.40	102	7/27/2025	89.90	NEW HAVEN
CT1370011	Aquarion Water Co of CT-Mystic	8/10/2025	76.30	No Drought Stage	↓↓	82.70	92	8/3/2025	87.40	NEW LONDON
CT0950011	New London Dept. of Public Utilities	8/24/2025	66.40	No Drought Stage	↓	69.20	96	8/17/2025	68.50	NEW LONDON
CT1040011	Norwich Public Utilities	8/23/2025	82.50	No Drought Stage	↓	85.50	97	8/16/2025	85.80	NEW LONDON
CT0590011	Groton Utilities	8/25/2025	84.80	No Drought Stage	↓	86.30	98	8/18/2025	85.70	NEW LONDON
CT0580011	Jewett City Water Company	7/30/2025	92.10	No Drought Stage	↑	91.20	101	7/21/2025	84.40	NEW LONDON
CT1630011	Windham Water Works	8/24/2025	100.00	No Drought Stage	--	100.00	100	8/17/2025	100.00	WINDHAM

	↑	-Increase since last measurement (less than 10% increase)	84.20			85.02	99.03	Ave Percent of Normal by County		
	↑↑	-Increase since last measurement (10% or greater increase)		Number of systems:				97.71 FAIRFIELD		
	↓	-Decrease since last measurement (less than 10% decrease)		Greater than or equal to 100% of Normal			15	98.33 HARTFORD		
	↓↓	-Decrease since last measurement (10% or greater decrease)		Between 90% and 99% of Normal			16	105.40 LITCHFIELD		
	--	- Same measurement as the previous measurement		Less than 90% of Normal			2	98.67 MIDDLESEX		
				At 100% Full			2	97.33 NEW HAVEN		
								96.80 NEW LONDON		
								100.00 WINDHAM		





# **U.S. Geological Survey**

**Status of streamflow and  
groundwater levels, as of  
end of August 2025**

Name	Total	Number of wells below normal	Number of wells below normal for 2 out of last 3 months	Number of wells below normal for 4 or more consecutive months	Percent below normal	Percent stage 2	Percent stage 3
Fairfield	10	3	4	0	30	40	0
Hartford	10	2	1	0	20	10	0
Litchfield	4	1	0	0	25	0	0
Middlesex	6	5	2	0	83.3	33.3	0
New Haven	13	2	1	0	15.4	7.7	0
New London	5	1	0	0	20	0	0
Tolland	12	0	0	0	0	0	0
Windham	6	1	1	0	16.7	16.7	0

## END OF AUGUST 2025 GROUNDWATER SUMMARY BY COUNTY



\*Data is provisional and subject to revision.

Name	Total	Number of streamgages below normal	Number of streamgages below normal for 2 out of last 3 months	Number of streamgages below normal for 4 out of last 5 months	Percent below normal	Percent stage 2	Percent stage 3
Fairfield	11	5	0	0	45.5	0	0
Hartford	11	3	0	0	27.3	0	0
Litchfield	10	0	0	0	0	0	0
Middlesex	4	3	0	0	75	0	0
New Haven	5	2	0	0	40	0	0
New London	5	2	0	0	40	0	0
Tolland	1	0	0	0	0	0	0
Windham	9	0	0	0	0	0	0

## AUGUST 2025 STREAMFLOW SUMMARY BY COUNTY



\*Data is provisional and subject to revision.





# CT Interagency Drought Workgroup NWS Update

Thursday, August 4<sup>th</sup>, 2025

*Prepared by: NWS WFO Boston, MA*

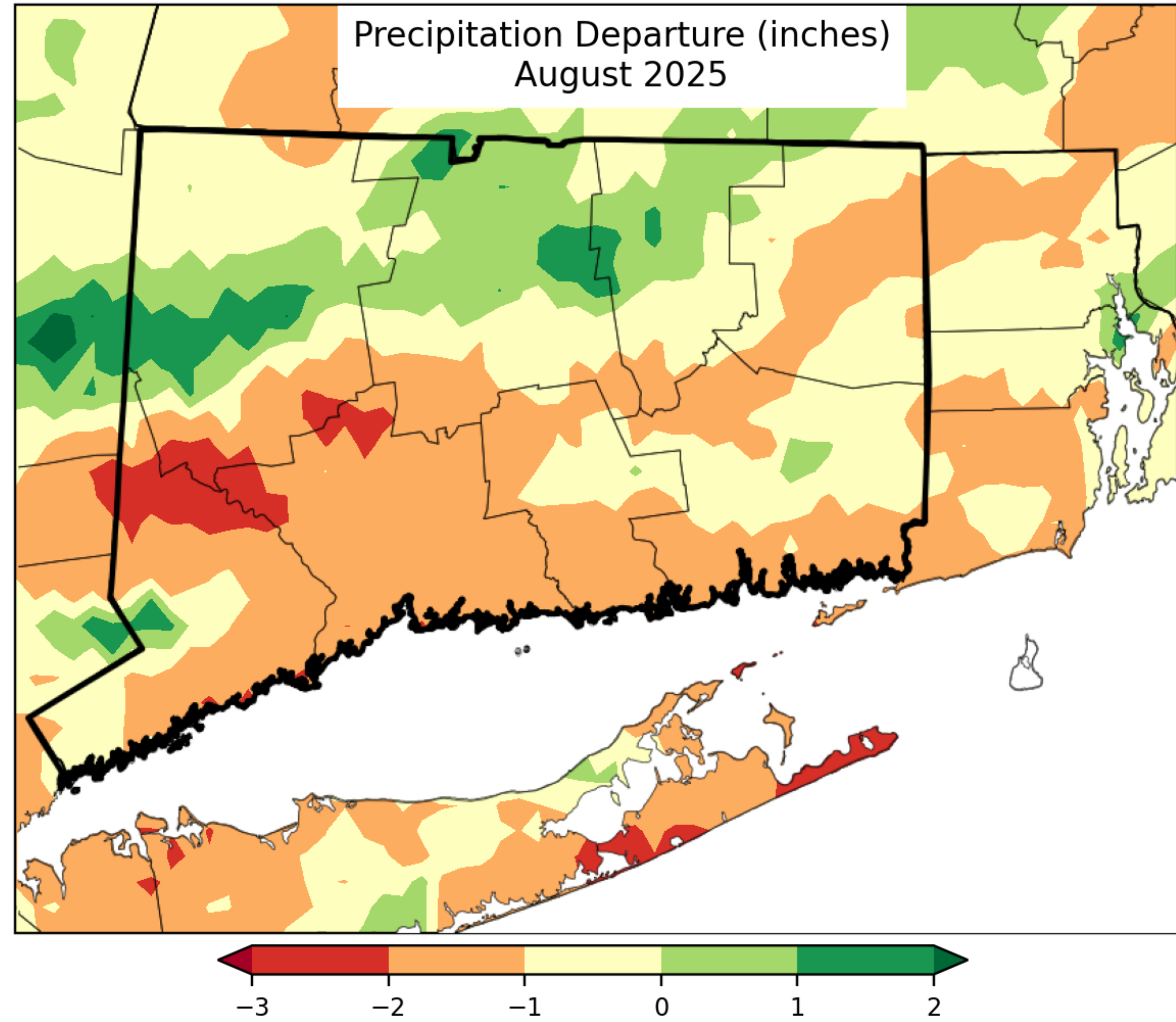
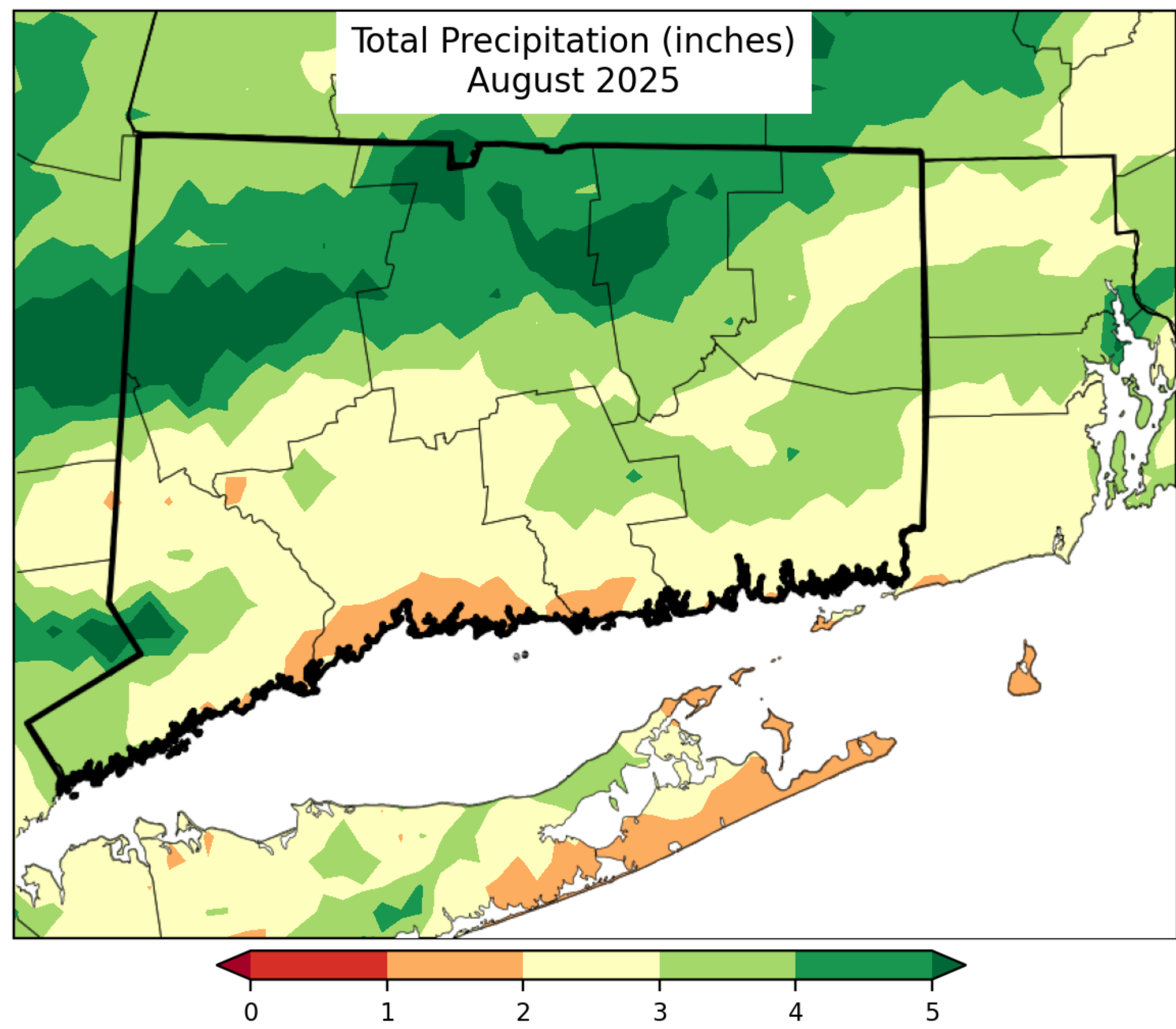
# August Precipitation



Boston/Norton MA  
WEATHER FORECAST OFFICE

2-4" of rainfall across CT

Departures: -2 to +1 inches





# 3 and 6 Month Percent of Normal Precip

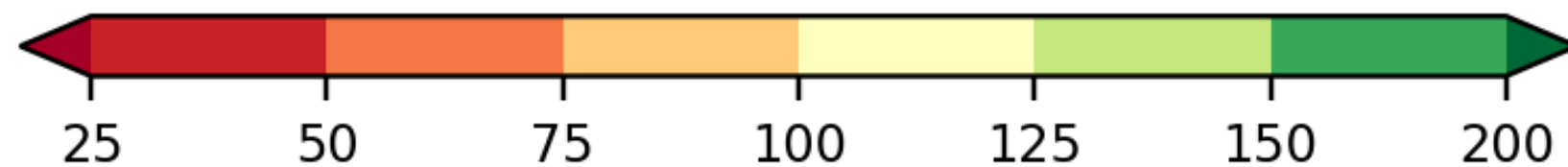
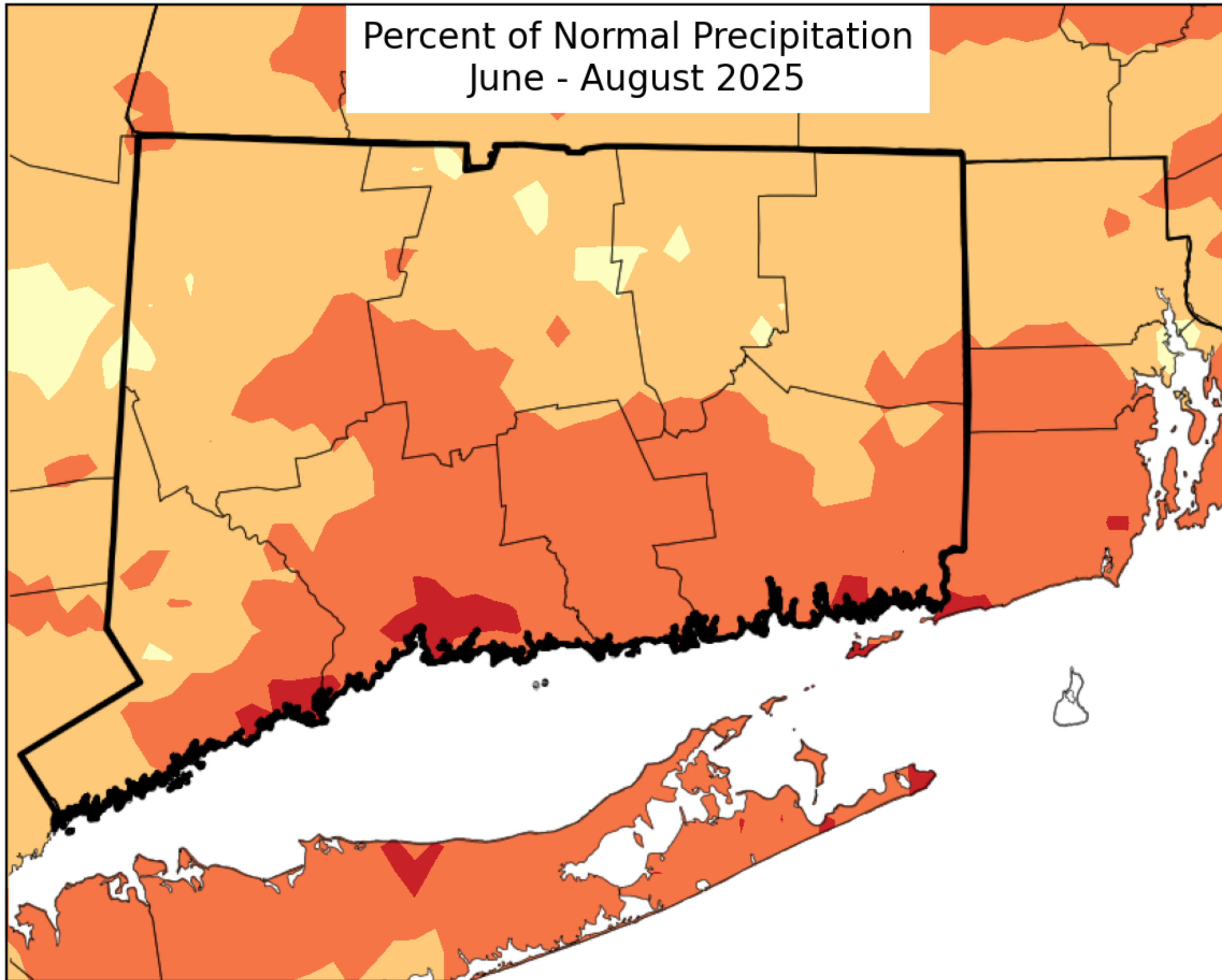
Below normal last 3 months and near normal last 6 months



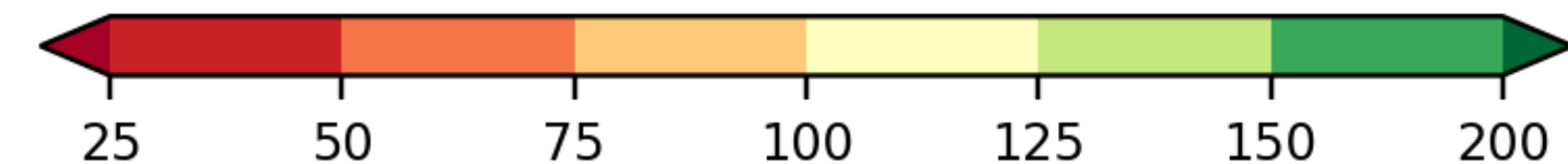
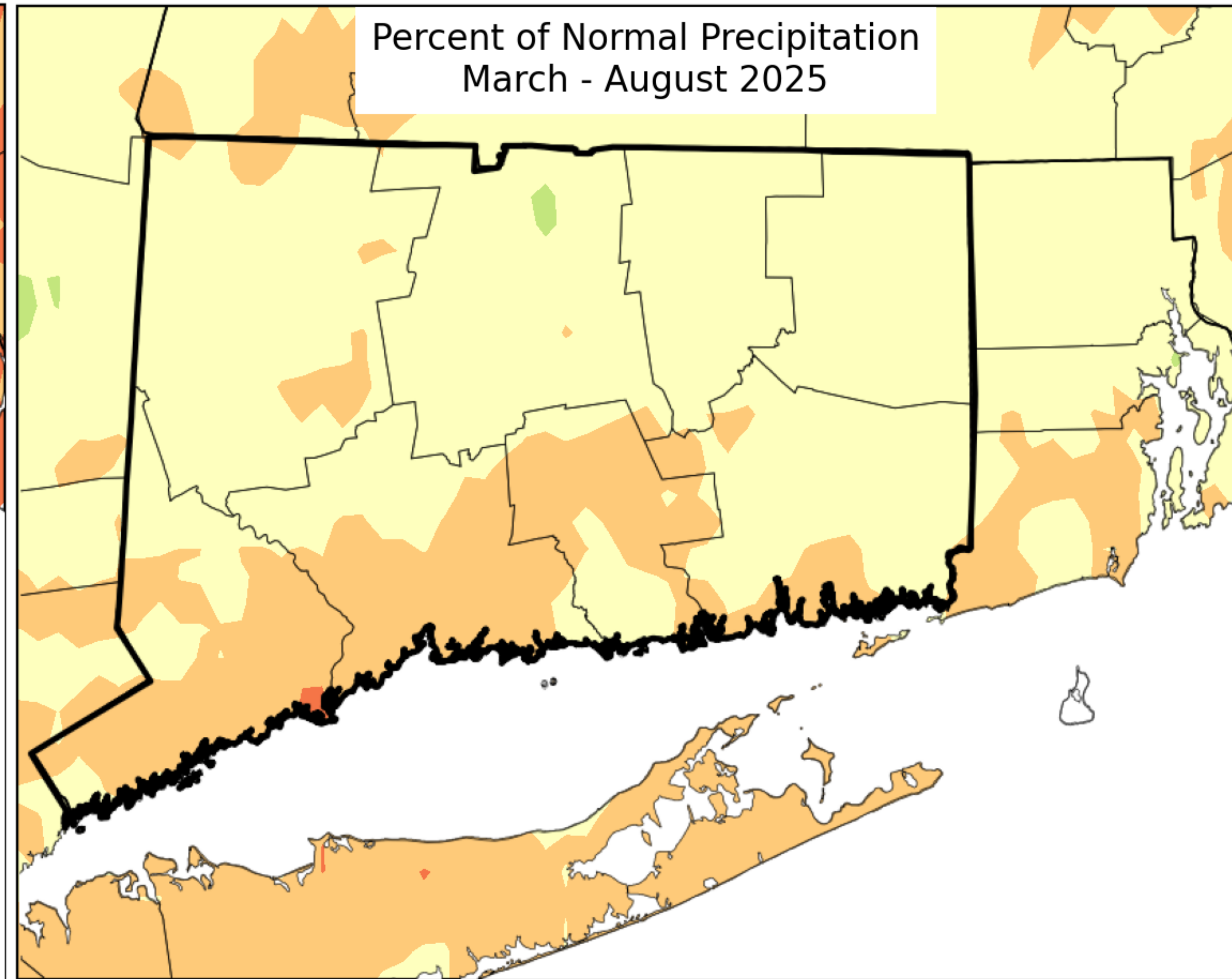
Boston/Norton MA

WEATHER FORECAST OFFICE

Percent of Normal Precipitation  
June - August 2025



Percent of Normal Precipitation  
March - August 2025





# CPC 6-10 Day Outlook

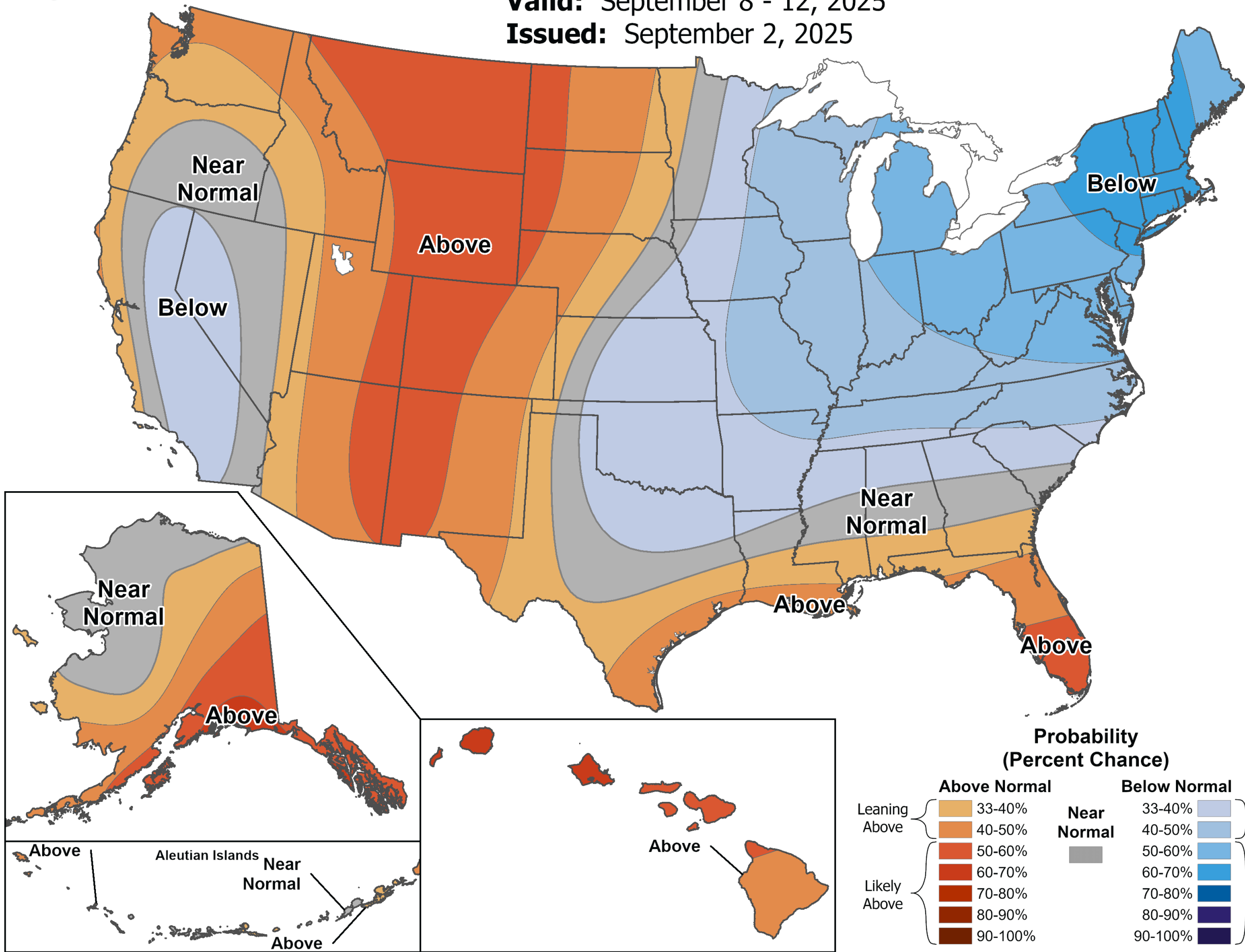
Below Normal Temperatures Likely. Leaning above normal precipitation



Boston/Norton MA  
WEATHER FORECAST OFFICE

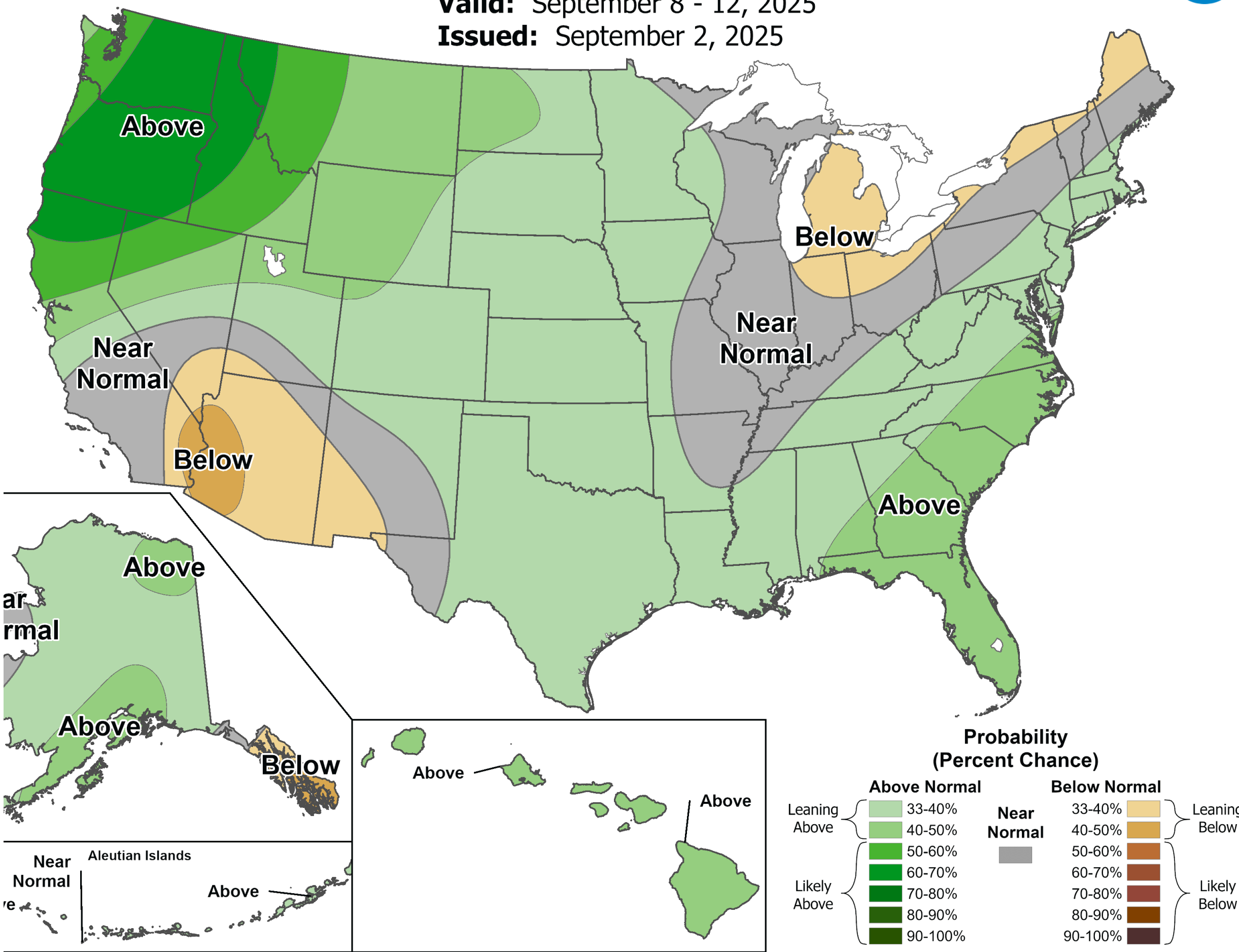
## 6-10 Day Temperature Outlook

Valid: September 8 - 12, 2025  
Issued: September 2, 2025



## 6-10 Day Precipitation Outlook

Valid: September 8 - 12, 2025  
Issued: September 2, 2025





# CPC 8-14 Day Outlook

Leaning below normal temperatures and near normal precipitation

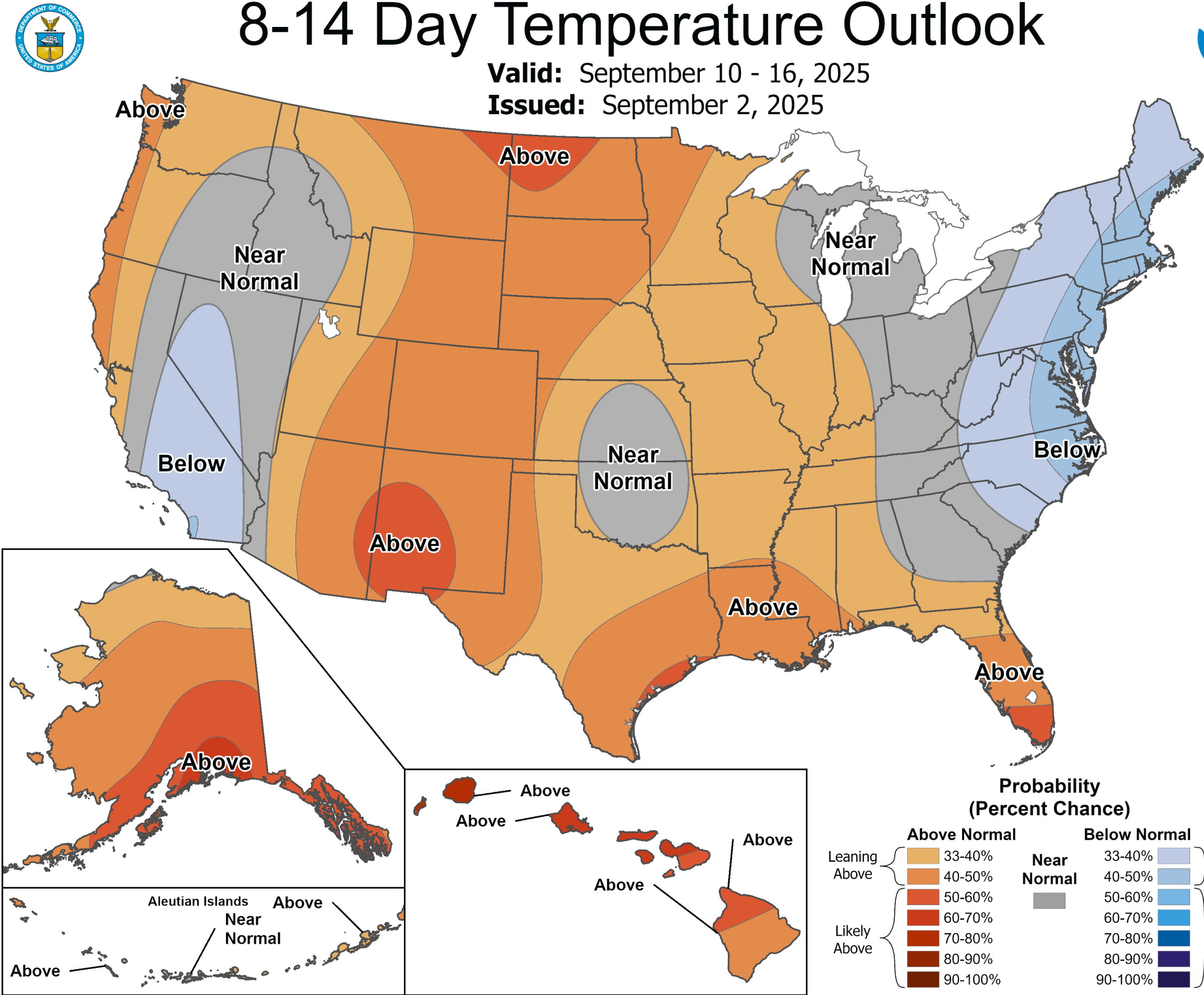


Boston/Norton MA

WEATHER FORECAST OFFICE

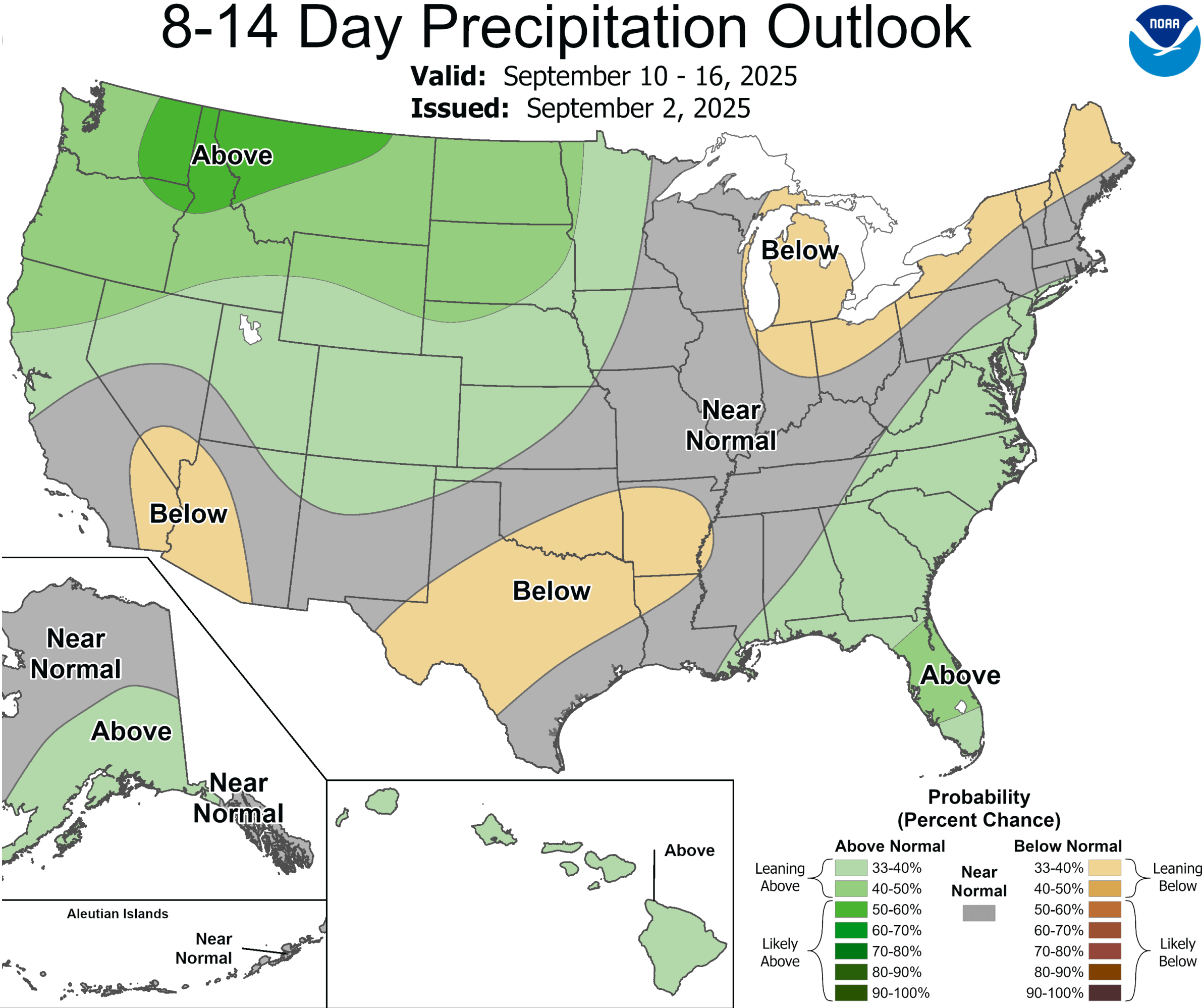
## 8-14 Day Temperature Outlook

Valid: September 10 - 16, 2025  
Issued: September 2, 2025



## 8-14 Day Precipitation Outlook

Valid: September 10 - 16, 2025  
Issued: September 2, 2025





# CPC 3-4 Week Outlook

Leaning above normal temperatures. Equal chances for above/below normal precip



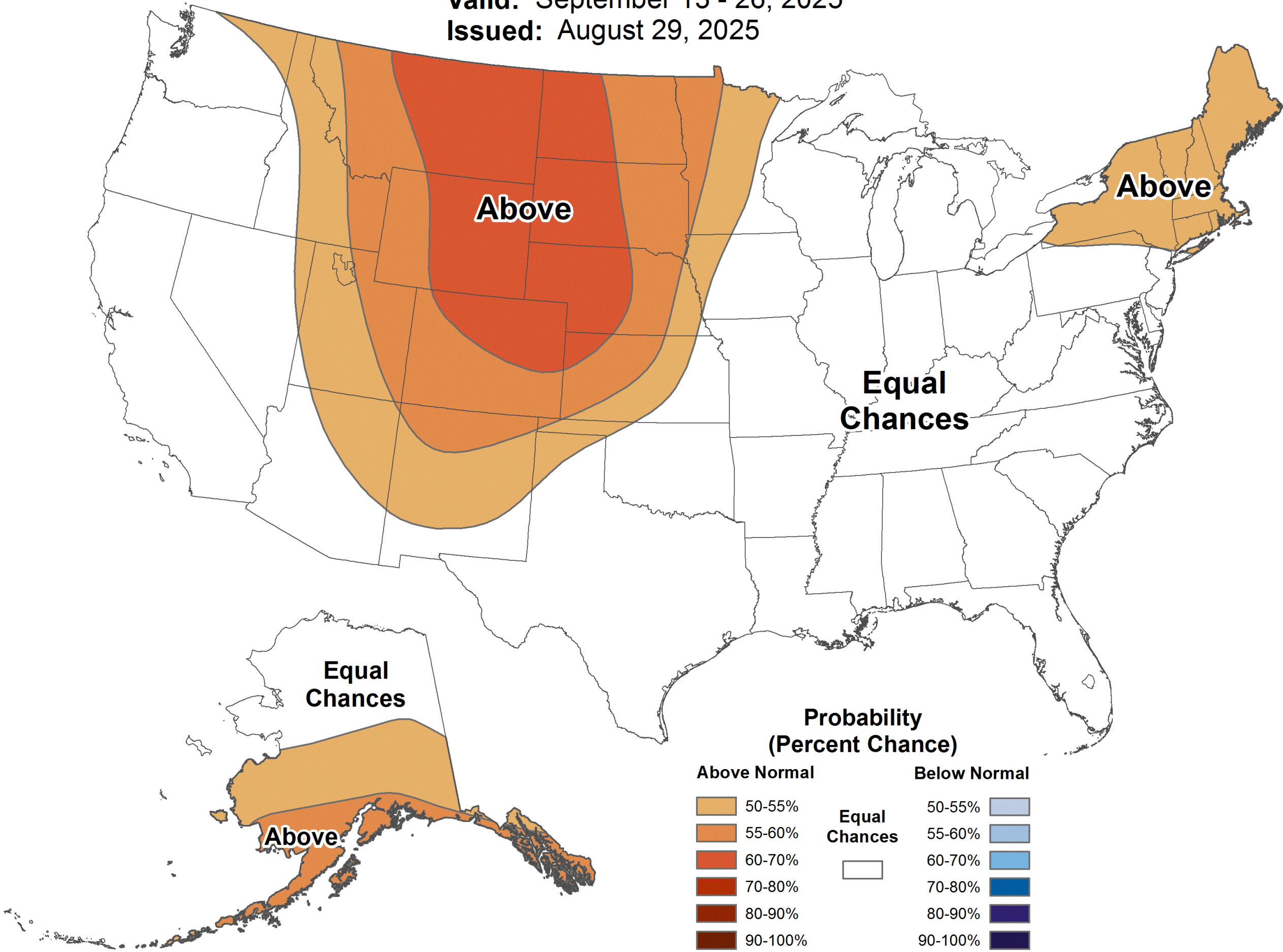
Boston/Norton MA  
WEATHER FORECAST OFFICE



## Weeks 3-4 Temperature Outlook



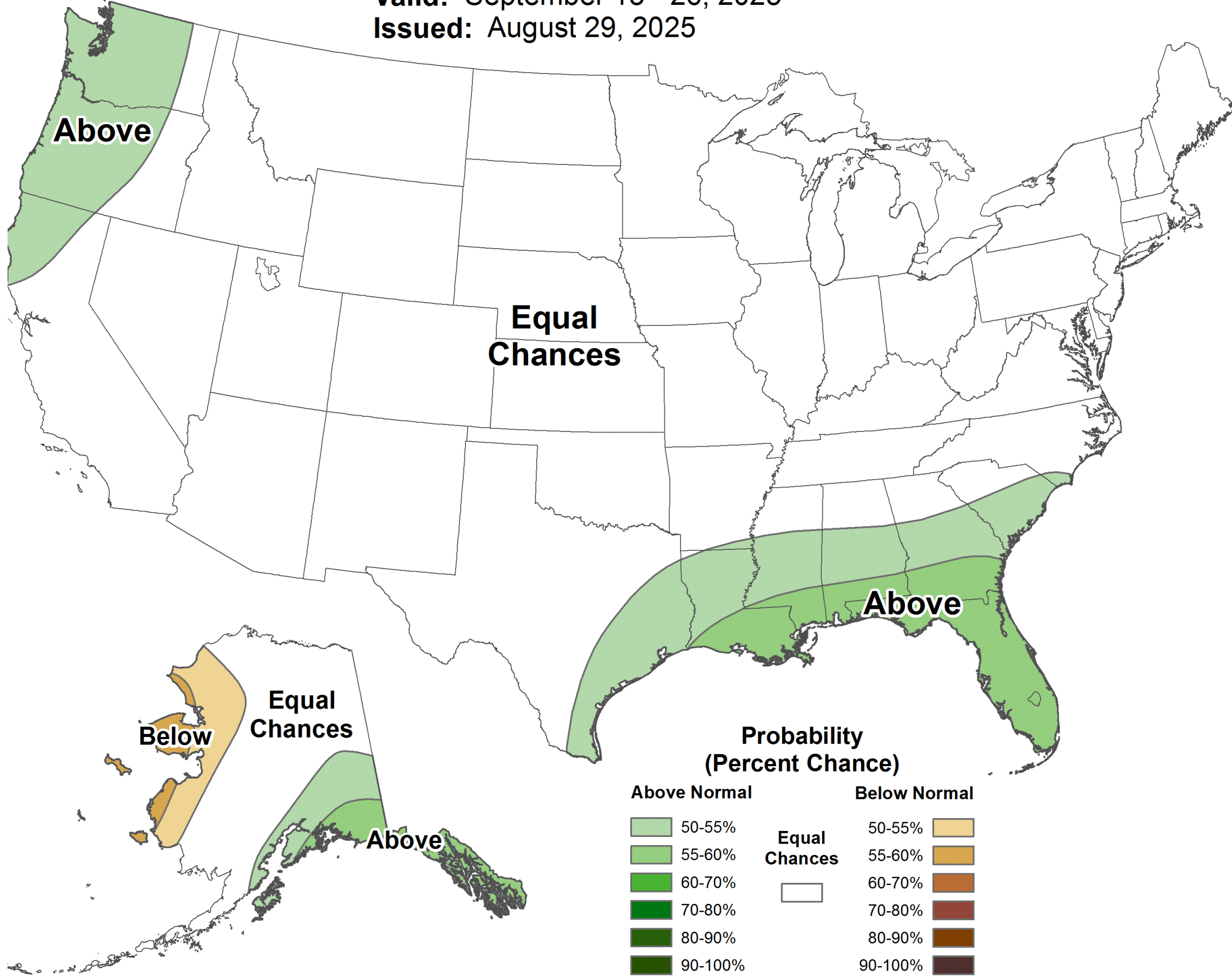
Valid: September 13 - 26, 2025  
Issued: August 29, 2025



## Weeks 3-4 Precipitation Outlook



Valid: September 13 - 26, 2025  
Issued: August 29, 2025





# CPC 3 Month Outlook Sep-Nov)

Above normal temperatures likely. Equal chances for above/below normal precip



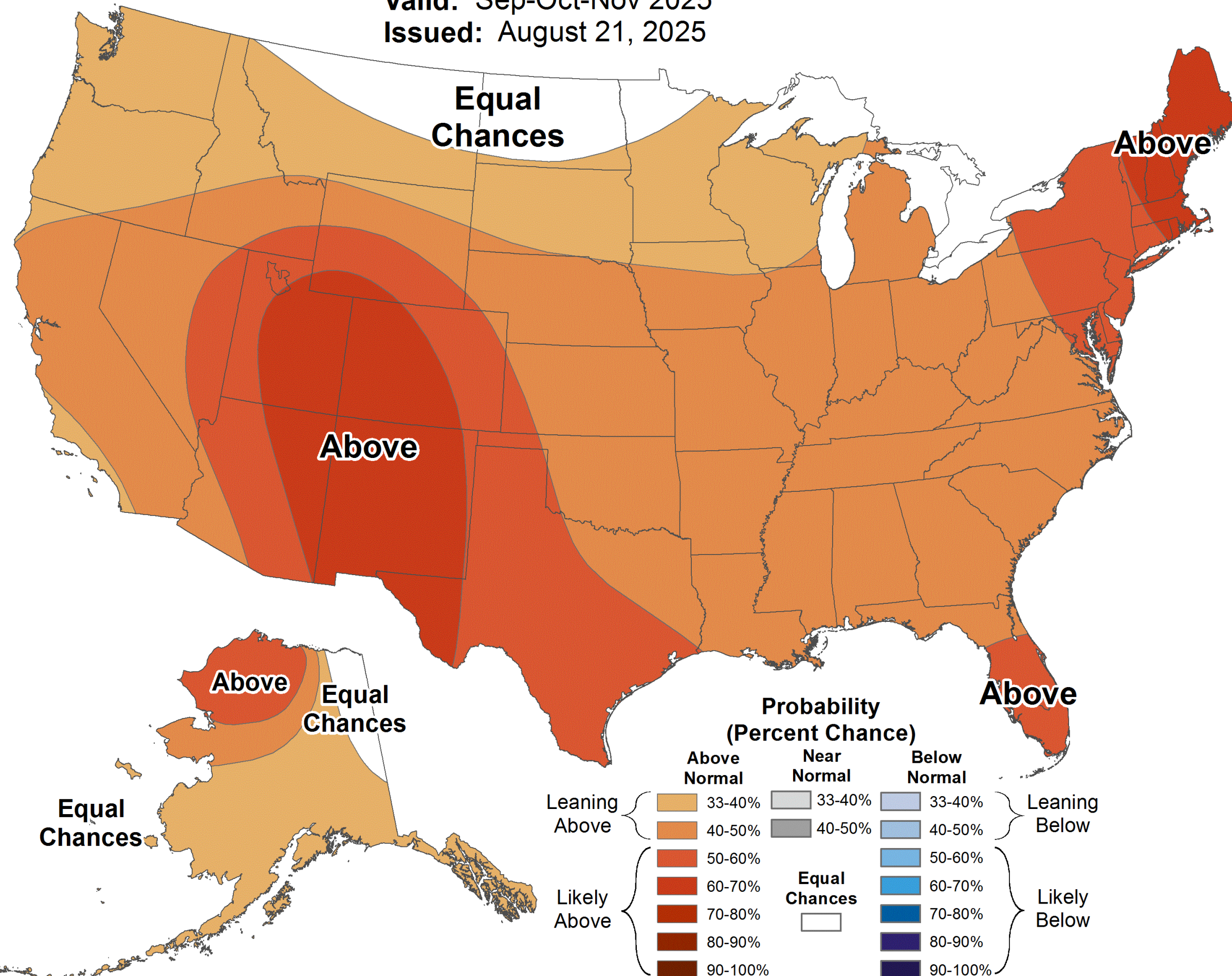
Boston/Norton MA  
WEATHER FORECAST OFFICE



## Seasonal Temperature Outlook



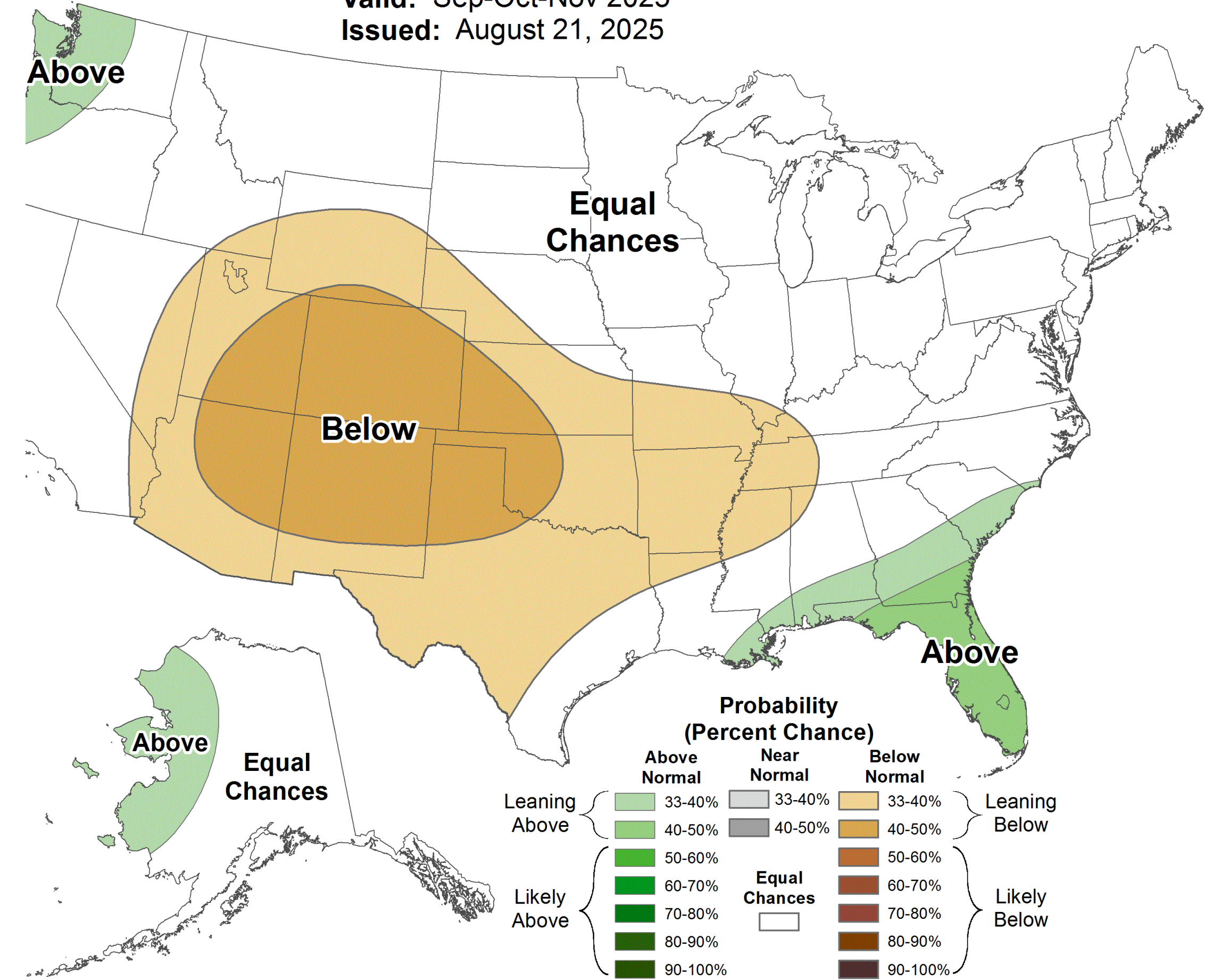
Valid: Sep-Oct-Nov 2025  
Issued: August 21, 2025



## Seasonal Precipitation Outlook



Valid: Sep-Oct-Nov 2025  
Issued: August 21, 2025





# August 2025 Connecticut Precipitation

---

National Weather Service Offices  
Boston/Norton MA, Albany NY, Upton NY

Preliminary Precipitation Data (inches) by County

Precipitation Data through August 2025

Includes CoCoRaHS data

Includes StageIV Data

## CT 1-Month Aug 2025

County	Rainfall	Departure	Percent	Normal
Fairfield	2.69	-1.78	60	4.47
Hartford	3.88	-0.38	91	4.26
Litchfield	4.32	-0.46	90	4.78
Middlesex	2.66	-1.63	62	4.29
New Haven	2.14	-2.08	51	4.22
New London	2.90	-1.27	70	4.17
Tolland	4.21	-0.10	98	4.31
Windham	3.13	-1.09	74	4.22

## CT 2-Month Jul 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	6.33	-2.42	72	8.75
Hartford	8.07	-0.41	95	8.48
Litchfield	8.45	-0.97	90	9.42
Middlesex	5.29	-2.85	65	8.14
New Haven	5.30	-2.91	65	8.21
New London	5.72	-2.02	74	7.74
Tolland	8.95	0.60	107	8.35
Windham	7.84	-0.30	96	8.14

## CT 3-Month Jun 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	9.10	-4.16	69	13.26
Hartford	10.38	-2.55	80	12.93
Litchfield	11.59	-2.51	82	14.10
Middlesex	7.03	-5.48	56	12.51
New Haven	7.25	-5.33	58	12.58
New London	7.55	-4.28	64	11.83
Tolland	11.37	-1.57	88	12.94
Windham	10.06	-2.42	81	12.48

#### CT 4-Month May 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	15.69	-1.56	91	17.25
Hartford	18.42	1.68	110	16.74
Litchfield	19.11	0.98	105	18.13
Middlesex	15.22	-1.11	93	16.33
New Haven	15.18	-1.38	92	16.56
New London	15.77	0.27	102	15.50
Tolland	18.92	2.32	114	16.60
Windham	18.79	2.76	117	16.03

#### CT 5-Month Apr 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	18.88	-2.67	88	21.55
Hartford	22.01	0.98	105	21.03
Litchfield	22.88	0.79	104	22.09
Middlesex	18.48	-2.53	88	21.01
New Haven	18.28	-2.95	86	21.23
New London	19.38	-0.65	97	20.03
Tolland	22.81	1.97	109	20.84
Windham	22.81	2.32	111	20.49

#### CT 6-Month Mar 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	23.01	-2.83	89	25.84
Hartford	25.96	0.73	103	25.23
Litchfield	26.41	0.27	101	26.14
Middlesex	22.65	-2.99	88	25.64
New Haven	22.58	-3.19	88	25.77
New London	23.85	-0.96	96	24.81
Tolland	26.73	1.66	107	25.07
Windham	26.77	1.75	107	25.02

#### CT 7-Month Feb 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	26.21	-2.76	90	28.97
Hartford	29.21	0.85	103	28.36
Litchfield	29.46	0.34	101	29.12
Middlesex	25.78	-3.26	89	29.04
New Haven	25.72	-3.42	88	29.14
New London	27.14	-0.98	97	28.12
Tolland	29.90	1.80	106	28.10

Windham	30.06	1.81	106	28.25
---------	-------	------	-----	-------

### CT 12-Month Sep 24-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	37.19	-13.34	74	50.53
Hartford	38.27	-11.97	76	50.24
Litchfield	39.80	-11.04	78	50.84
Middlesex	38.07	-13.42	74	51.49
New Haven	36.89	-14.40	72	51.29
New London	40.15	-9.94	80	50.09
Tolland	40.22	-8.99	82	49.21
Windham	42.06	-7.75	84	49.81

### CT 24-Month Sep 23-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	112.17	11.00	111	101.17
Hartford	109.22	8.62	109	100.60
Litchfield	109.04	7.26	107	101.78
Middlesex	110.37	7.27	107	103.10
New Haven	111.14	8.44	108	102.70
New London	110.11	9.81	110	100.30
Tolland	108.32	9.79	110	98.53
Windham	113.40	13.66	114	99.74

### CT 36-Month Sep 22-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	166.75	15.05	110	151.70
Hartford	166.56	15.72	110	150.84
Litchfield	166.44	13.82	109	152.62
Middlesex	167.63	13.04	108	154.59
New Haven	168.00	14.01	109	153.99
New London	167.03	16.64	111	150.39
Tolland	168.52	20.78	114	147.74
Windham	175.90	26.35	118	149.55

### How This Report Was Generated

Monthly precipitation totals by County are derived through a blend of observational data and gridded analysis techniques. Precipitation observations from multiple regional networks—including the Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS), the National Weather Service Cooperative Observer Program (COOP), and Automated Surface Observing Systems (ASOS)—are first quality-controlled and then interpolated to two separate grids using distinct methodologies:

- Barnes Interpolation, a smoothing technique that accounts for the spatial distribution of observations
- Inverse Distance Weighting (IDW), which estimates values based on proximity to known observations

These two interpolated grids are then combined with NOAA's Stage IV precipitation analysis, a radar- and gauge-based dataset produced operationally by the National Weather Service. The three grids are averaged to produce a final observed precipitation field.

Using this gridded product, spatial averaging is performed over each County polygon to compute region-specific monthly totals through geographic information system (GIS) techniques.

Monthly precipitation normals (long-term averages) for each County are sourced directly from the NOAA Stage IV climatology dataset.

Note: COOP and ASOS stations are official National Weather Service observation networks. CoCoRaHS is a volunteer-driven network that provides high-resolution, local-scale precipitation reports.



# Connecticut Drought Conditions Report

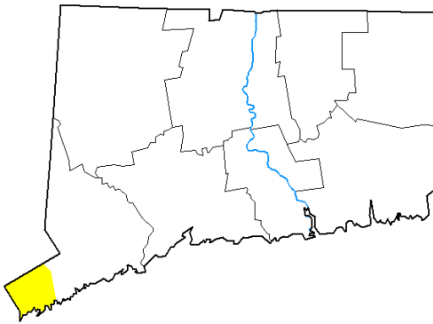
Monthly Update for July 2025



Interagency Drought Workgroup  
September 4, 2025  
Regular Meeting

**U.S. Drought Monitor (USDM):** Since May 27<sup>th</sup> there has been minimal change in the state's drought conditions per the USDM, with only about 1.8% of the state in D0 according to the most recent map. The maps included are from the weeks of June 24<sup>th</sup>, July 1<sup>st</sup> and July 29<sup>th</sup>

## U.S. Drought Monitor Connecticut



**June 24, 2025**  
(Released Thursday, Jun. 26, 2025)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)						
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	98.20	1.80	0.00	0.00	0.00	0.00
Last Week 06-17-2025	98.20	1.80	0.00	0.00	0.00	0.00
3 Months Ago 03-25-2025	0.00	100.00	78.14	0.00	0.00	0.00
Start of Calendar Year 01-01-2025	0.00	100.00	94.83	10.14	0.00	0.00
Start of Water Year 10-01-2024	36.34	63.66	0.00	0.00	0.00	0.00
One Year Ago 06-25-2024	93.41	6.59	0.00	0.00	0.00	0.00

### Intensity:

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

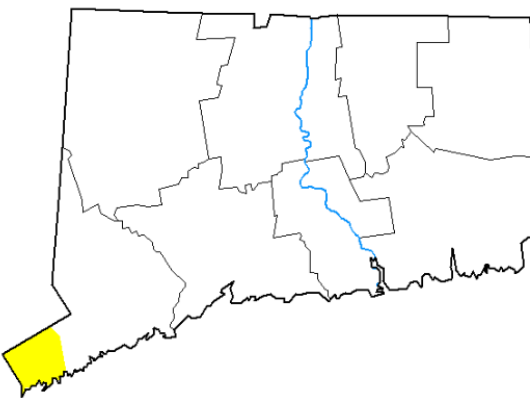
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:  
Curtis Riganti  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

## U.S. Drought Monitor Connecticut



**July 1, 2025**  
(Released Thursday, Jul. 3, 2025)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)						
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	98.20	1.80	0.00	0.00	0.00	0.00
Last Week 06-24-2025	98.20	1.80	0.00	0.00	0.00	0.00
3 Months Ago 04-01-2025	0.00	100.00	68.64	0.00	0.00	0.00
Start of Calendar Year 01-01-2025	0.00	100.00	94.83	10.14	0.00	0.00
Start of Water Year 10-01-2024	36.34	63.66	0.00	0.00	0.00	0.00
One Year Ago 07-02-2024	97.89	2.11	0.00	0.00	0.00	0.00

### Intensity:

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

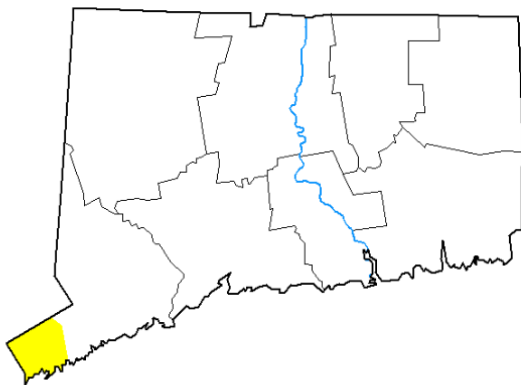
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:  
Curtis Riganti  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

U.S. Drought Monitor  
Connecticut



July 29, 2025  
(Released Thursday, Jul. 31, 2025)  
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	98.18	1.82	0.00	0.00	0.00	0.00
Last Week 07-22-2025	98.18	1.82	0.00	0.00	0.00	0.00
3 Months Ago 04-29-2025	0.05	99.95	11.95	0.00	0.00	0.00
Start of Calendar Year 01-01-2025	0.00	100.00	94.83	10.14	0.00	0.00
Start of Water Year 10-01-2024	36.34	63.66	0.00	0.00	0.00	0.00
One Year Ago 07-30-2024	99.94	0.06	0.00	0.00	0.00	0.00

Intensity:  
None D2 Severe Drought  
D0 Abnormally Dry D3 Extreme Drought  
D1 Moderate Drought 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:  
David Simerali  
Western Regional Climate Center

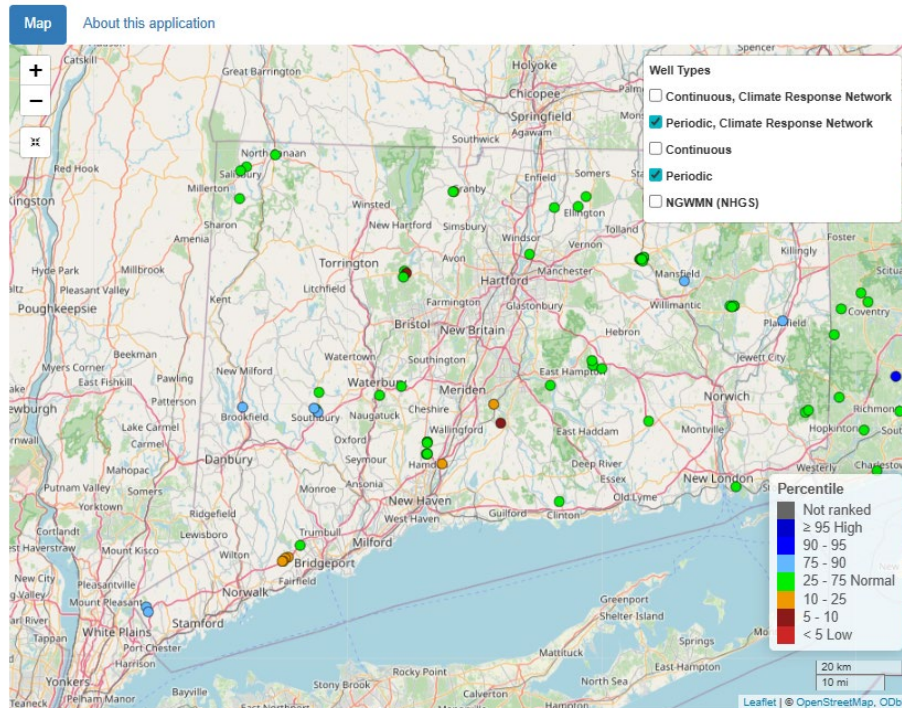


droughtmonitor.unl.edu

**Groundwater Levels (via USGS):** The following maps are from the end of July. The first map displays periodic monitored wells, while the second map displays continuously monitored wells. The first map shows most wells at normal (25-75%) and a few wells above normal (75-90%) levels, and a few wells below normal (10-25%). The second map shows mostly normal (25-75%) wells.

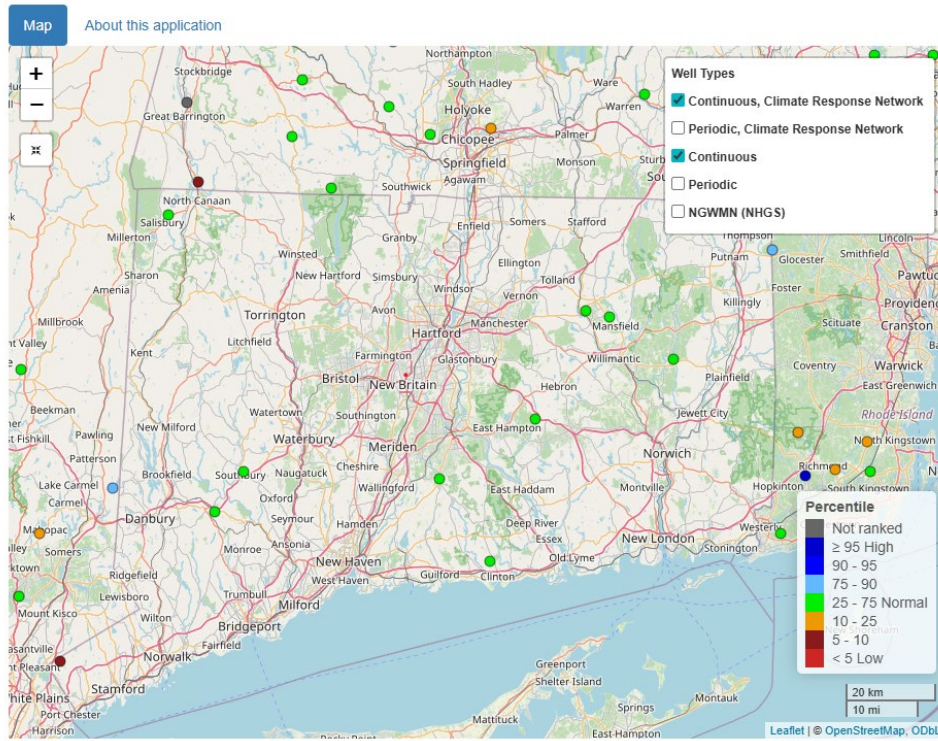
## Groundwater Levels in New England

Recent conditions relative to historical monthly statistics



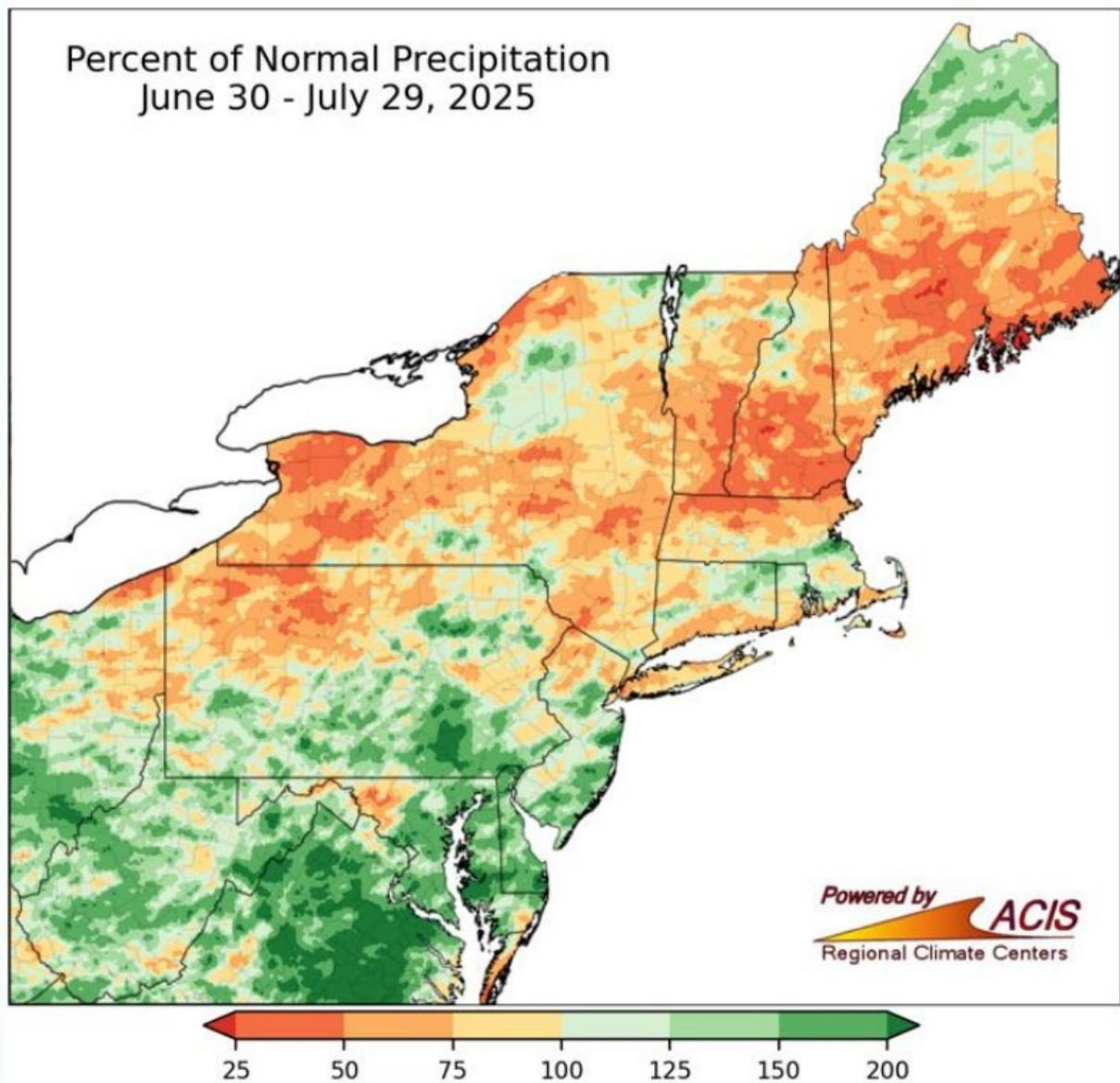
# Groundwater Levels in New England

Recent conditions relative to historical monthly statistics

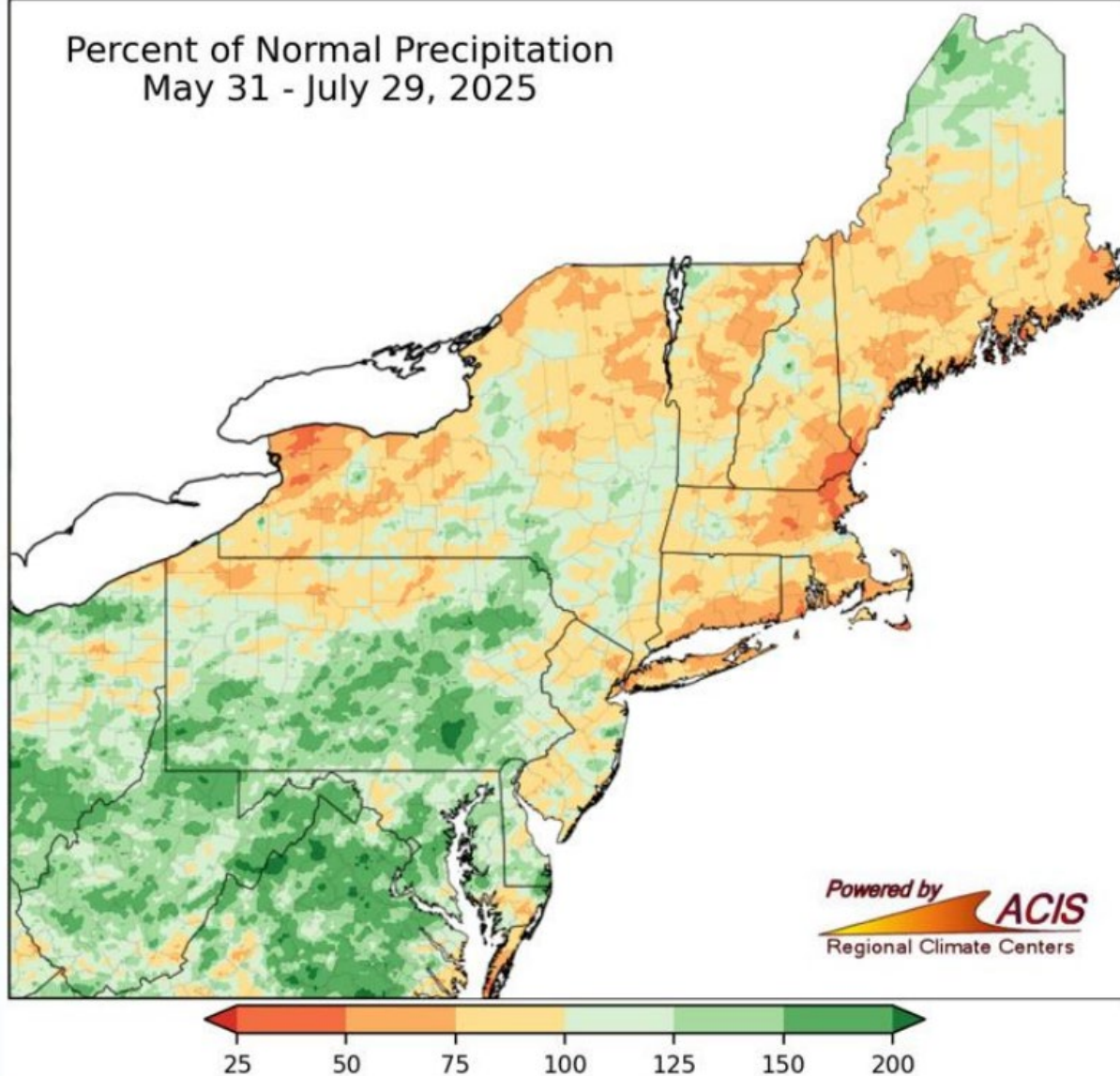




**July Precipitation:** Below are 30-Day and 60-Day Percent of Normal Precipitation maps dated July 29<sup>th</sup>. The 30-Day map illustrates conditions ranging from drier-than-normal to above-normal throughout Connecticut. The Northwest corner and coastal portions of the state received far less rain, missing a few key rain systems during the month. The 60-day map illustrates conditions mostly drier-than-normal, more evenly across the state, with the coastal region demonstrating drier conditions than the rest of the state. Over the last month, percent of normal precipitation ranged between 68-120% of normal across the state.



Percent of Normal Precipitation  
May 31 - July 29, 2025



**Fire Danger Levels from CT DEEP:**

CT DEEP Forestry monitors wildfire conditions regularly and moves to a daily measurement when conditions are drier and the risk of wildfires is greater. In order, their fire danger ranking scheme is: **LOW, MODERATE, HIGH, VERY HIGH, AND EXTREME.**

According to CT DEEP Forestry, wildfire danger levels across the state were as follows for the month of July. For the second half of the month, the coastal region of the state was about one level higher than the state, demonstrating drier conditions:

- 7/1/25: **MODERATE**
- 7/2/25 – 7/5/25: **LOW**
- 7/6/25: **MODERATE**
- 7/7/25 – 7/15/25: **LOW**
- 7/18/25-7/20/25: **MODERATE**
- 7/21/25: **LOW**
- 7/22/25 – 7/31/2025: **MODERATE**



# July 2025 Connecticut Precipitation

---

National Weather Service Offices  
Boston/Norton MA, Albany NY, Upton NY

Preliminary Precipitation Data (inches) by County

Precipitation Data through July 2025

Includes CoCoRaHS data

Includes StageIV Data

## CT 1-Month Jul 2025

County	Rainfall	Departure	Percent	Normal
Fairfield	3.64	-0.64	85	4.28
Hartford	4.19	-0.03	99	4.22
Litchfield	4.13	-0.51	89	4.64
Middlesex	2.63	-1.22	68	3.85
New Haven	3.16	-0.83	79	3.99
New London	2.82	-0.75	79	3.57
Tolland	4.74	0.70	117	4.04
Windham	4.71	0.79	120	3.92

## CT 2-Month Jun 25-Jul25

County	Rainfall	Departure	Percent	Normal
Fairfield	6.41	-2.38	73	8.79
Hartford	6.50	-2.17	75	8.67
Litchfield	7.27	-2.05	78	9.32
Middlesex	4.37	-3.85	53	8.22
New Haven	5.11	-3.25	61	8.36
New London	4.65	-3.01	61	7.66
Tolland	7.16	-1.47	83	8.63
Windham	6.93	-1.33	84	8.26

## CT 3-Month May 25-Jul25

County	Rainfall	Departure	Percent	Normal
Fairfield	13.00	0.22	102	12.78
Hartford	14.54	2.06	117	12.48
Litchfield	14.79	1.44	111	13.35
Middlesex	12.56	0.52	104	12.04
New Haven	13.04	0.70	106	12.34
New London	12.87	1.54	114	11.33
Tolland	14.71	2.42	120	12.29
Windham	15.66	3.85	133	11.81

**CT 4-Month Apr 25-Jul25**

<b>County</b>	<b>Rainfall</b>	<b>Departure</b>	<b>Percent</b>	<b>Normal</b>
Fairfield	16.19	-0.89	95	17.08
Hartford	18.13	1.36	108	16.77
Litchfield	18.56	1.25	107	17.31
Middlesex	15.82	-0.90	95	16.72
New Haven	16.14	-0.87	95	17.01
New London	16.48	0.62	104	15.86
Tolland	18.60	2.07	113	16.53
Windham	19.68	3.41	121	16.27

**CT 5-Month Mar 25-Jul25**

<b>County</b>	<b>Rainfall</b>	<b>Departure</b>	<b>Percent</b>	<b>Normal</b>
Fairfield	20.32	-1.05	95	21.37
Hartford	22.08	1.11	105	20.97
Litchfield	22.09	0.73	103	21.36
Middlesex	19.99	-1.36	94	21.35
New Haven	20.44	-1.11	95	21.55
New London	20.95	0.31	102	20.64
Tolland	22.52	1.76	108	20.76
Windham	23.64	2.84	114	20.80

**CT 6-Month Feb 25-Jul25**

<b>County</b>	<b>Rainfall</b>	<b>Departure</b>	<b>Percent</b>	<b>Normal</b>
Fairfield	23.52	-0.98	96	24.50
Hartford	25.33	1.23	105	24.10
Litchfield	25.14	0.80	103	24.34
Middlesex	23.12	-1.63	93	24.75
New Haven	23.58	-1.34	95	24.92
New London	24.24	0.29	101	23.95
Tolland	25.69	1.90	108	23.79
Windham	26.93	2.90	112	24.03

**CT 7-Month Jan 25-Jul25**

<b>County</b>	<b>Rainfall</b>	<b>Departure</b>	<b>Percent</b>	<b>Normal</b>
Fairfield	24.82	-3.44	88	28.26
Hartford	26.44	-1.35	95	27.79
Litchfield	26.36	-1.59	94	27.95
Middlesex	24.45	-4.30	85	28.75
New Haven	24.89	-3.91	86	28.80
New London	25.80	-2.07	93	27.87
Tolland	27.08	-0.28	99	27.36

Windham	28.47	0.58	102	27.89
---------	-------	------	-----	-------

### CT 12-Month Aug 24-Jul25

County	Rainfall	Departure	Percent	Normal
Fairfield	44.74	-5.79	89	50.53
Hartford	41.80	-8.44	83	50.24
Litchfield	42.85	-7.99	84	50.84
Middlesex	41.10	-10.39	80	51.49
New Haven	43.13	-8.16	84	51.29
New London	42.21	-7.88	84	50.09
Tolland	42.03	-7.18	85	49.21
Windham	43.76	-6.05	88	49.81

### CT 24-Month Aug 23-Jul25

County	Rainfall	Departure	Percent	Normal
Fairfield	115.05	13.88	114	101.17
Hartford	109.64	9.04	109	100.60
Litchfield	109.19	7.41	107	101.78
Middlesex	112.54	9.44	109	103.10
New Haven	114.36	11.66	111	102.70
New London	111.68	11.38	111	100.30
Tolland	108.96	10.43	111	98.53
Windham	115.29	15.55	116	99.74

### CT 36-Month Aug 22-Jul25

County	Rainfall	Departure	Percent	Normal
Fairfield	165.48	13.78	109	151.70
Hartford	165.88	15.04	110	150.84
Litchfield	164.26	11.64	108	152.62
Middlesex	168.45	13.86	109	154.59
New Haven	168.72	14.73	110	153.99
New London	167.61	17.22	111	150.39
Tolland	168.16	20.42	114	147.74
Windham	177.17	27.62	118	149.55

### How This Report Was Generated

Monthly precipitation totals by County are derived through a blend of observational data and gridded analysis techniques. Precipitation observations from multiple regional networks—including the Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS), the National Weather Service Cooperative Observer Program (COOP), and Automated Surface Observing Systems (ASOS)—are first quality-controlled and then interpolated to two separate grids using distinct methodologies:

- Barnes Interpolation, a smoothing technique that accounts for the spatial distribution of observations
- Inverse Distance Weighting (IDW), which estimates values based on proximity to known observations

These two interpolated grids are then combined with NOAA's Stage IV precipitation analysis, a radar- and gauge-based dataset produced operationally by the National Weather Service. The three grids are averaged to produce a final observed precipitation field.

Using this gridded product, spatial averaging is performed over each County polygon to compute region-specific monthly totals through geographic information system (GIS) techniques.

Monthly precipitation normals (long-term averages) for each County are sourced directly from the NOAA Stage IV climatology dataset.

Note: COOP and ASOS stations are official National Weather Service observation networks. CoCoRaHS is a volunteer-driven network that provides high-resolution, local-scale precipitation reports.