

# Connecticut Drought Conditions Report

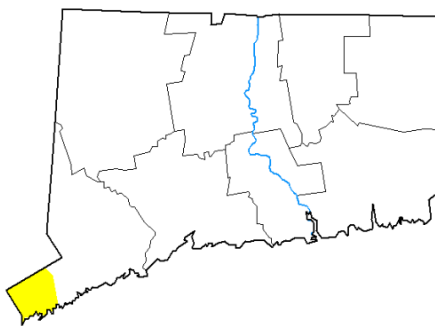
Monthly Update for June 2025



Interagency Drought Workgroup  
July 3, 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 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> and May 27<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	35.34	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

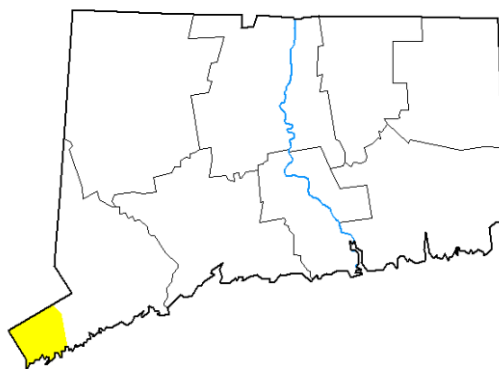
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:  
Curtis Riganti  
National Drought Mitigation Center



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

## U.S. Drought Monitor Connecticut



**May 27, 2025**  
(Released Thursday, May. 29, 2025)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	98.17	1.83	0.00	0.00	0.00	0.00
Last Week 05-20-2025	97.41	2.59	0.00	0.00	0.00	0.00
3 Months Ago 02-25-2025	0.00	100.00	96.78	46.96	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	35.34	63.66	0.00	0.00	0.00	0.00
One Year Ago 05-28-2024	100.00	0.00	0.00	0.00	0.00	0.00

### Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
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Author:  
Brad Pugh  
CPC/NOAA



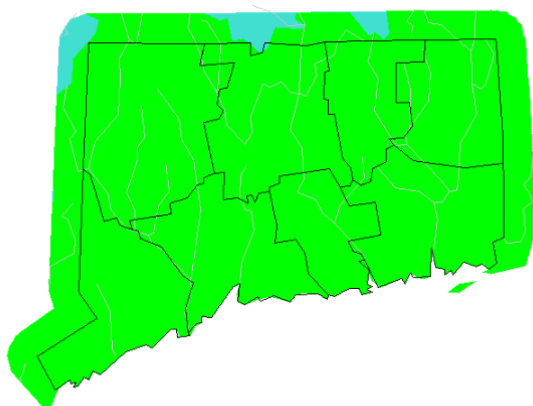
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

**Streamflow Levels (via USGS):** The first map below conveys the 28-day average streamflow as of June 29<sup>th</sup>. The map below illustrates streamflow levels mostly at Normal levels for this time of year. The second map shows a snapshot of real-time stream flow data from June 30<sup>th</sup>. The streamflow levels in this map are largely Normal, with a few sites Below Normal or Much Below Normal

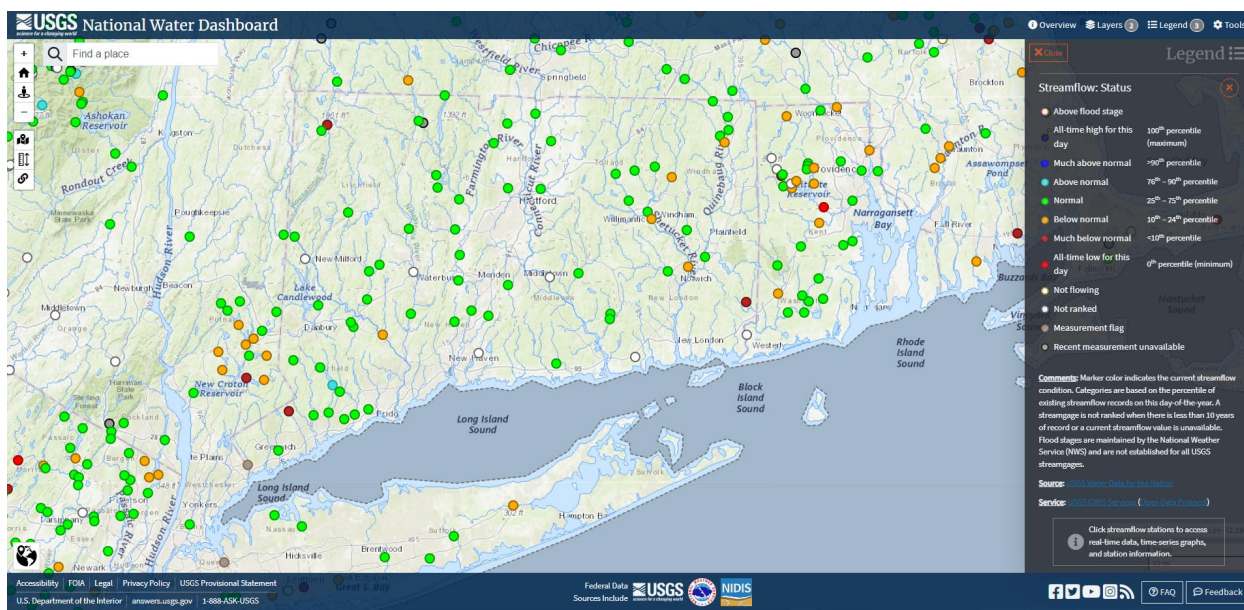
### Map of 28-day average streamflow compared to historical streamflow for the day of the year (Connecticut)

Connecticut or Water-Resources Regions

Sunday, June 29, 2025



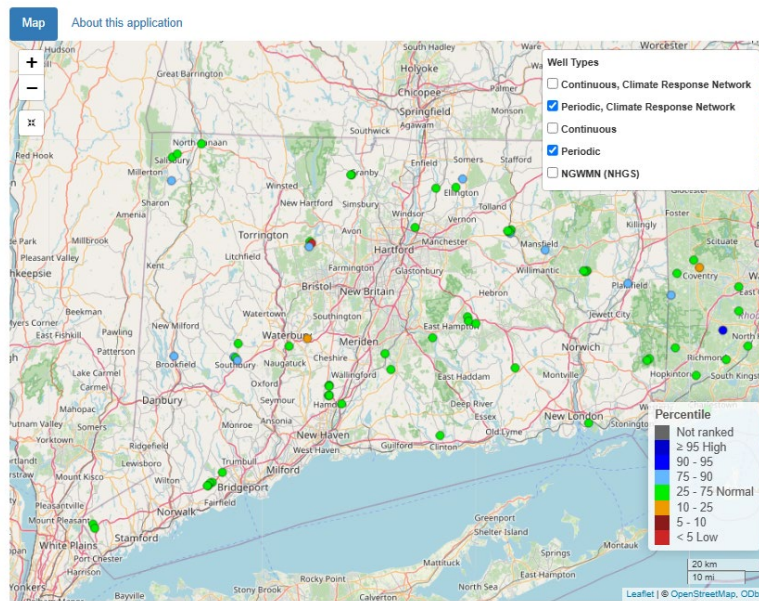
Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	No Data



**Groundwater Levels (via USGS):** The following maps are from June 30<sup>th</sup> – 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. The second map shows mostly normal (25-75%) wells.

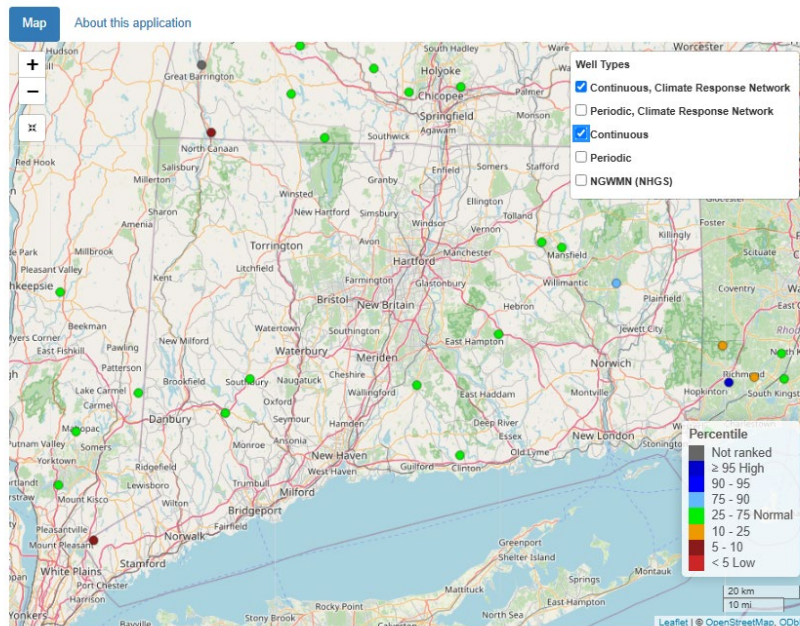
## Groundwater Levels in New England

Recent conditions relative to historical monthly statistics



## Groundwater Levels in New England

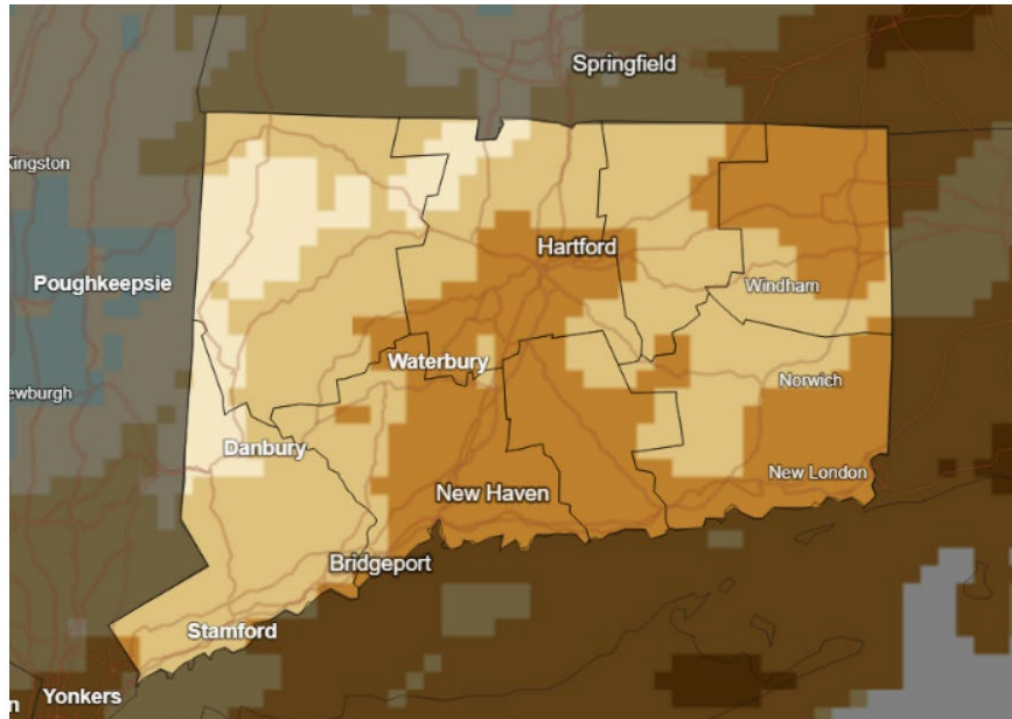
Recent conditions relative to historical monthly statistics



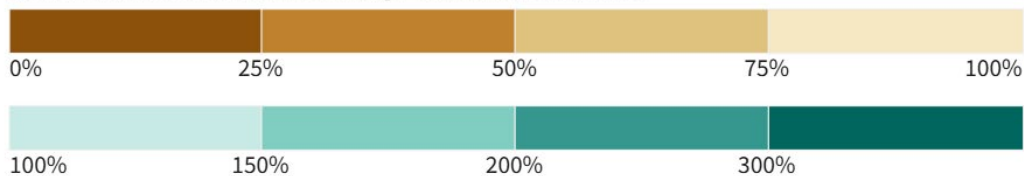


**June Precipitation:** Below are 30-Day and 60-Day Percent of Normal Precipitation maps dated June 29<sup>th</sup>. The 30-Day map illustrates drier than normal conditions ranging from 25-100% of normal. The 60-day map illustrates normal conditions ranging from 100-150% of normal. Over the last month, percent of normal precipitation ranged between 40-67% of normal across the state. The state average was 51.88% of normal precipitation.

### 30-Day Percent of Normal Precipitation



Precipitation Shown as a Percentage of Normal Conditions

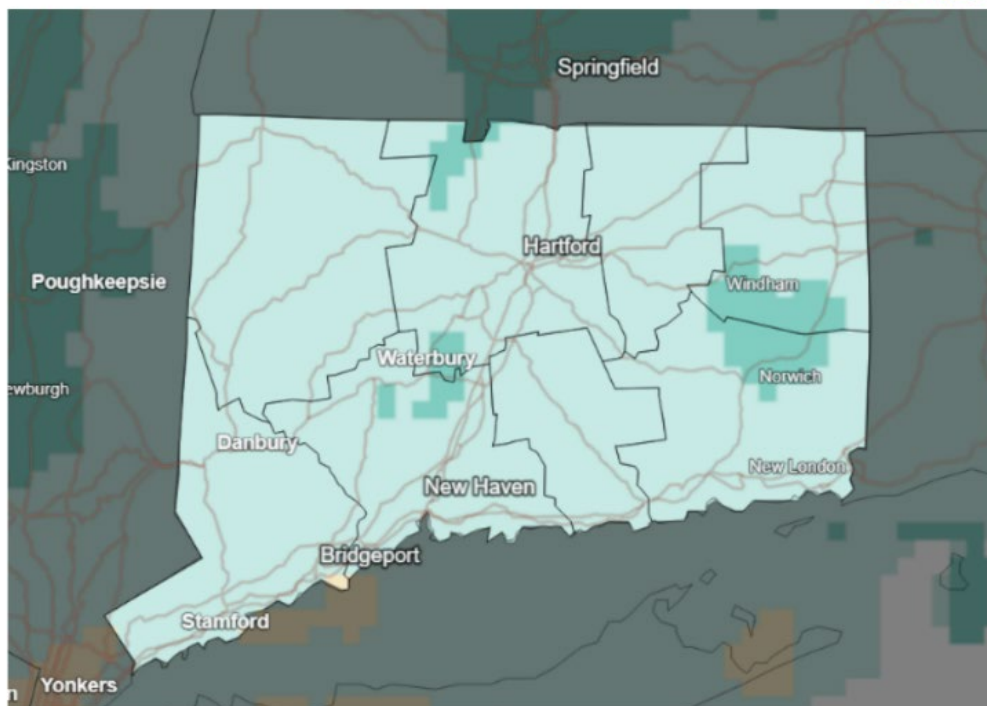


Source(s): UC Merced

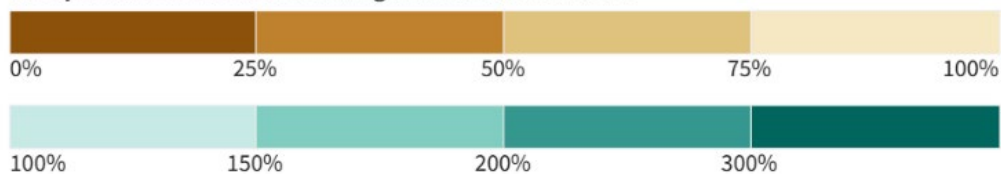
Data Valid: 06/29/25

**Drought.gov**

## 60-Day Percent of Normal Precipitation



Precipitation Shown as a Percentage of Normal Conditions

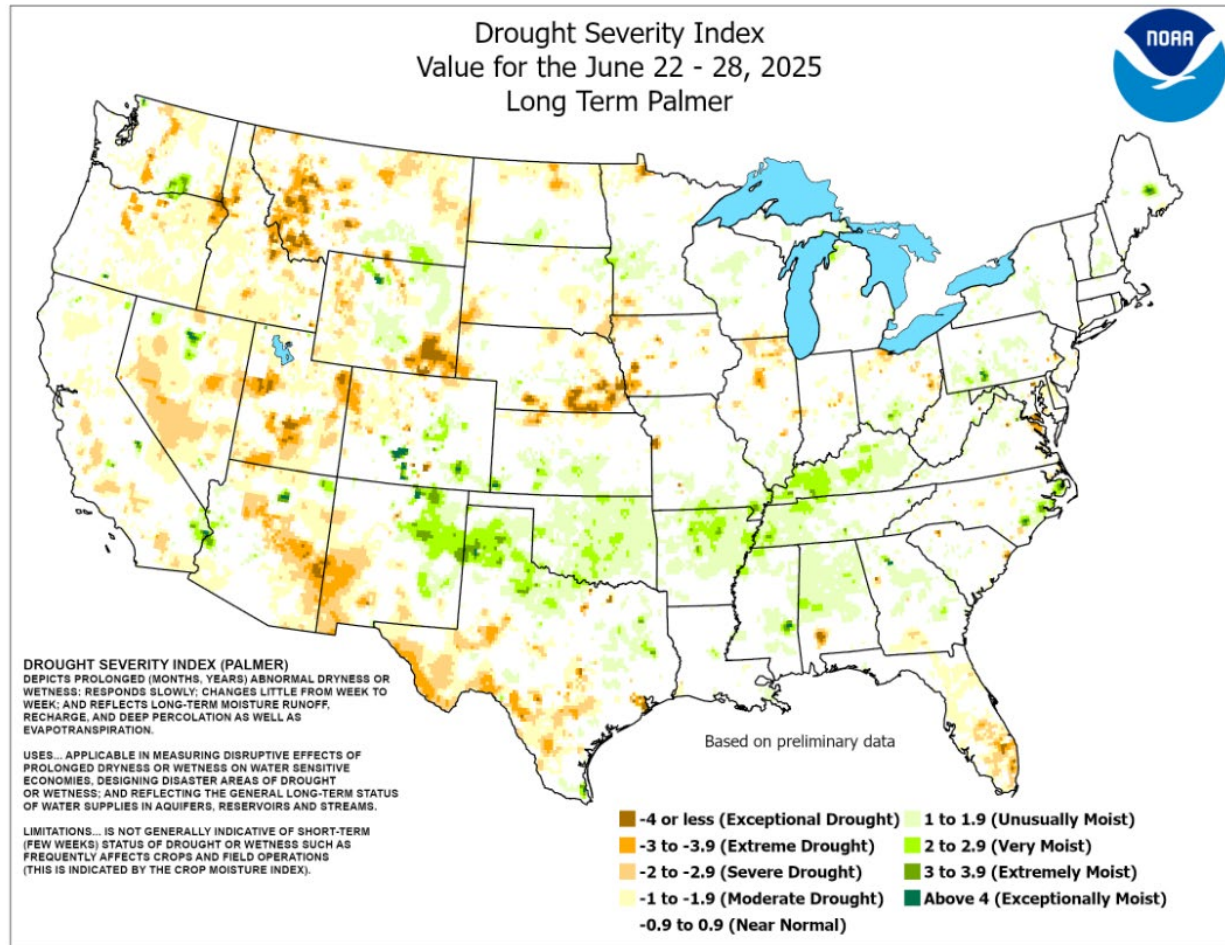


Source(s): UC Merced

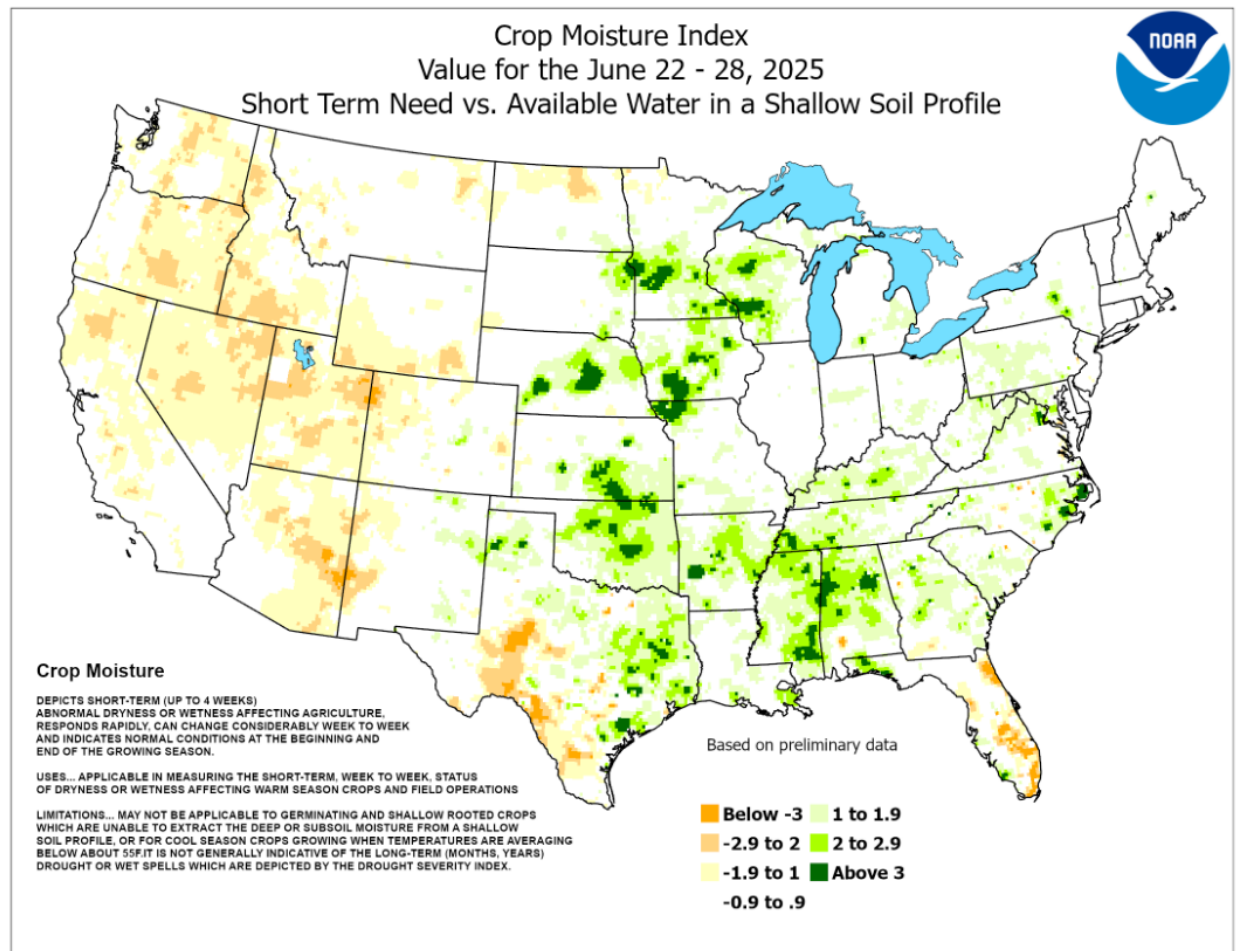
Data Valid: 06/29/25

**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).



**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.





**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 June:

- 6/4/25: **MODERATE**
- 6/7/25: **LOW**
- 6/11/25: **LOW**
- 6/18/25: **LOW**
- 6/20/25 – 6/23/25: **MODERATE**
- 6/24/25: **HIGH**
- 6/25/25 – 7/1/25: **MODERATE**
- 7/2/25: **LOW**



# CT Interagency Drought Workgroup NWS Update

Thursday, July 3<sup>rd</sup>, 2025

*Prepared by: NWS WFO Boston, MA*

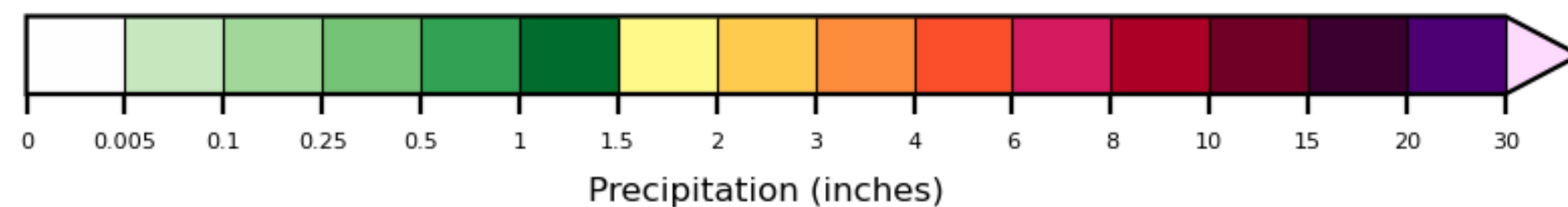
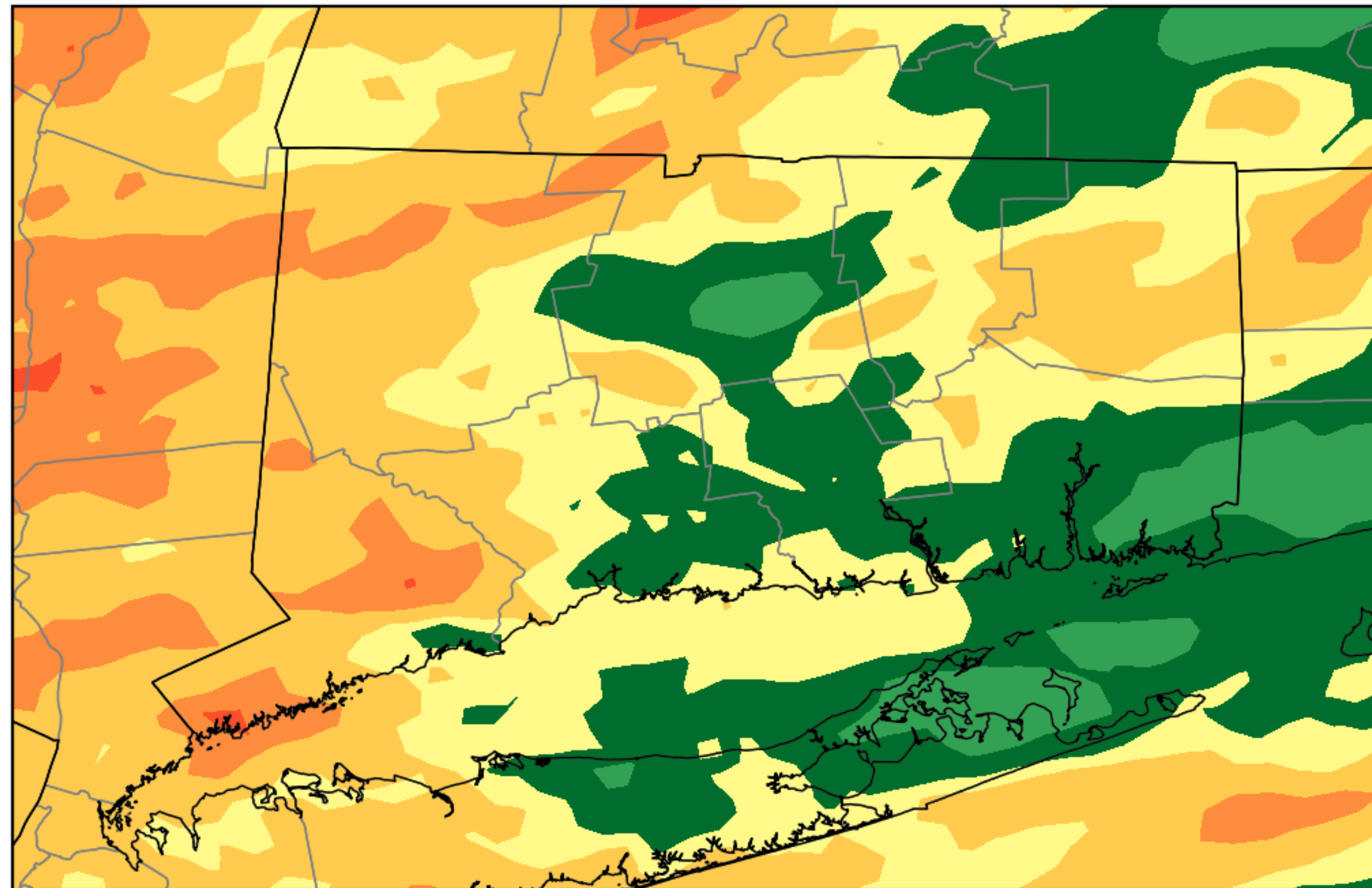
# June Precipitation



Boston/Norton MA  
WEATHER FORECAST OFFICE

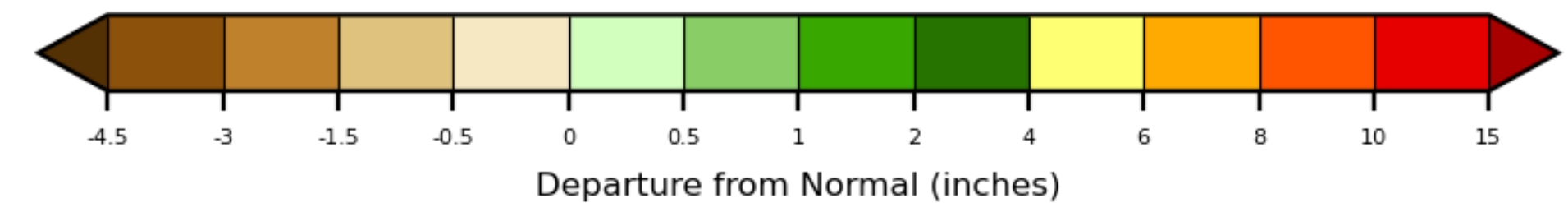
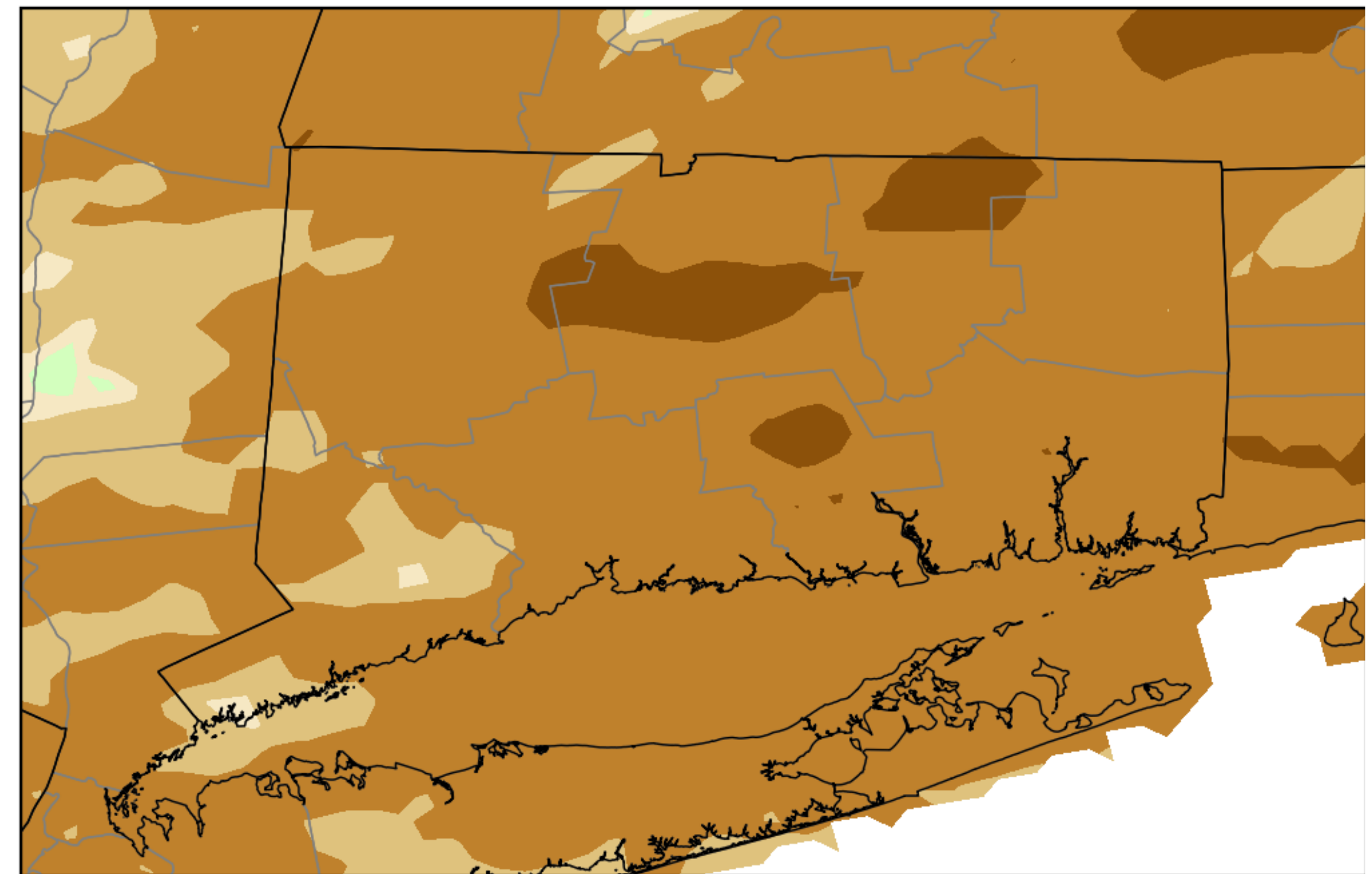
## 1-3" of rainfall across CT

Accumulated Precipitation (inches)  
June 01, 2025 to June 30, 2025



## Departures generally 1-3" below normal

Precipitation Departure from Normal (inches)  
June 01, 2025 to June 30, 2025





# 3 and 6 Month Percent of Normal Precip

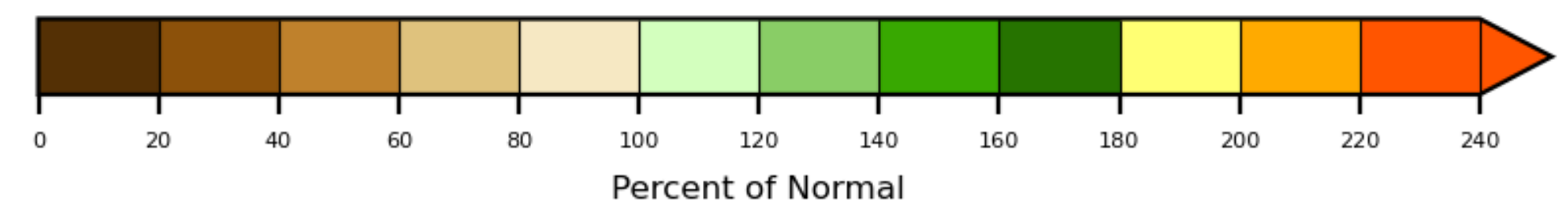
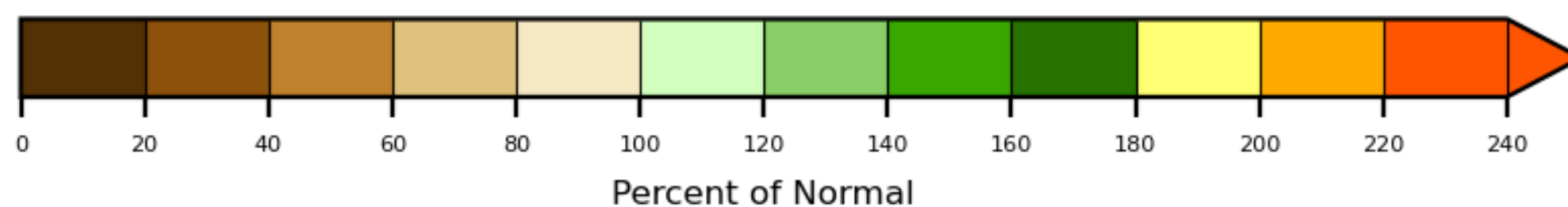
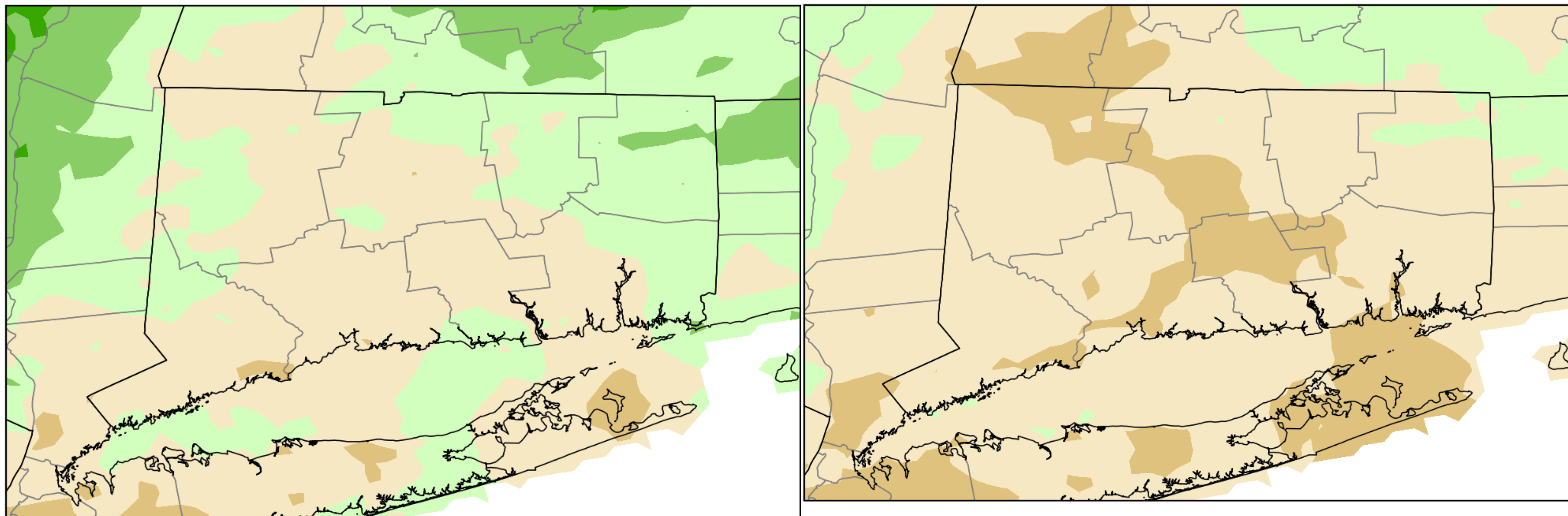
Near normal last 3 months and slightly below normal last 6 months



Boston/Norton MA  
WEATHER FORECAST OFFICE

Precipitation Percent of Normal  
April 01, 2025 to June 30, 2025

Precipitation Percent of Normal  
January 01, 2025 to June 30, 2025





# CPC 8-14 Day Outlook

Leaning near to above normal temperatures and above normal precipitation

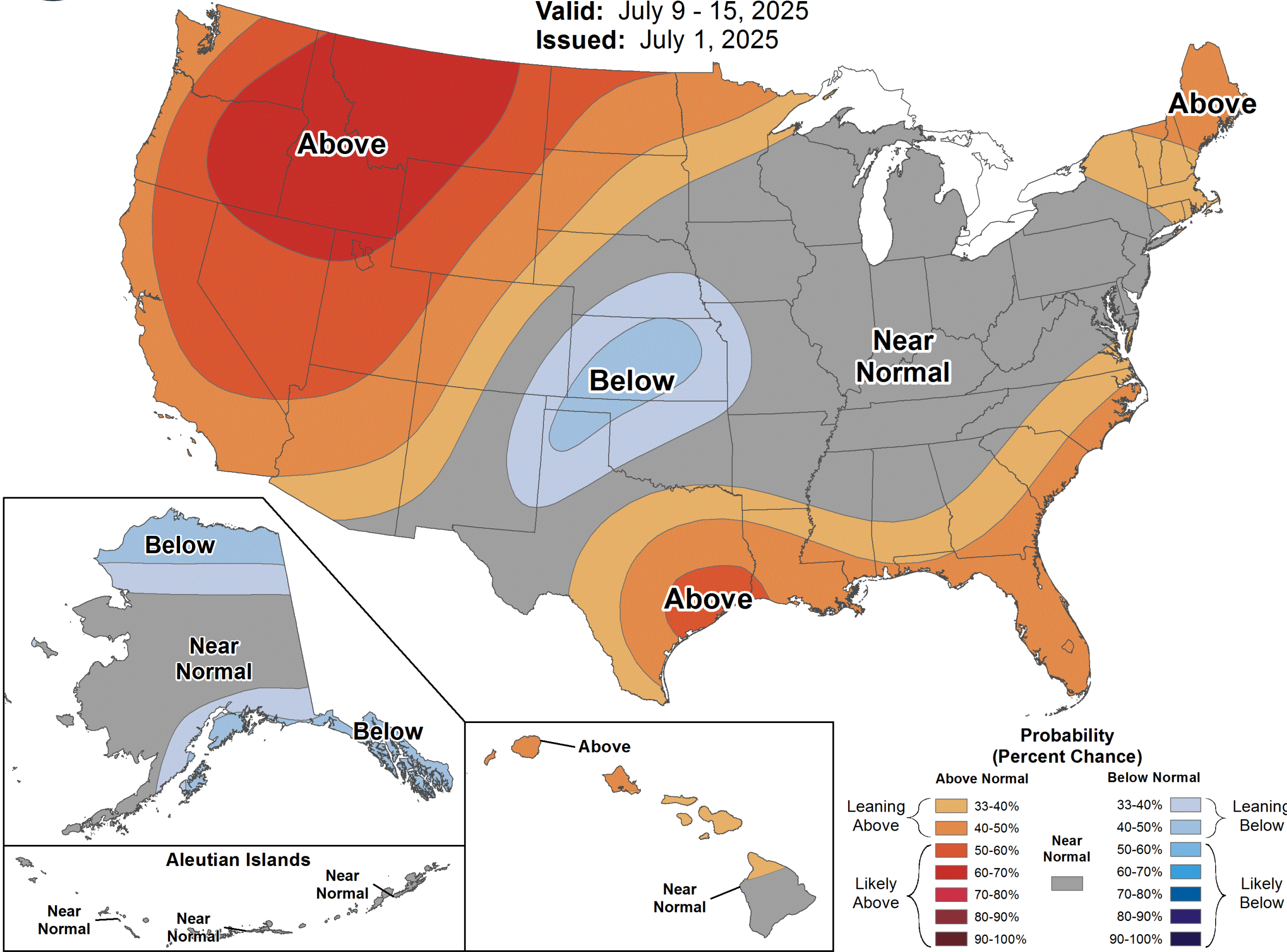


Boston/Norton MA  
WEATHER FORECAST OFFICE



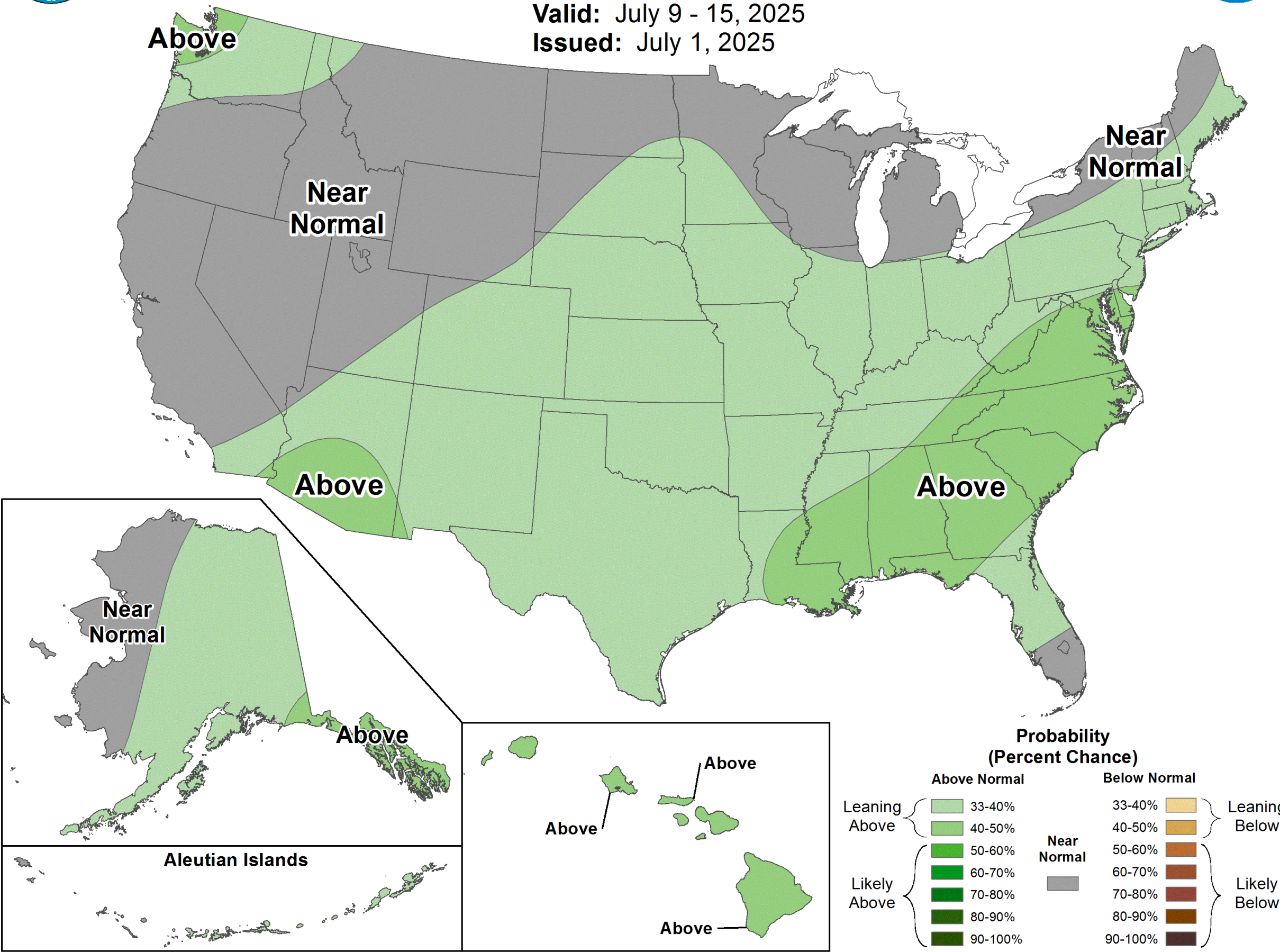
## 8-14 Day Temperature Outlook

Valid: July 9 - 15, 2025  
Issued: July 1, 2025



## 8-14 Day Precipitation Outlook

Valid: July 9 - 15, 2025  
Issued: July 1, 2025





# CPC 3-4 Week Outlook

Above normal temperatures likely. Leaning slightly toward above normal precip



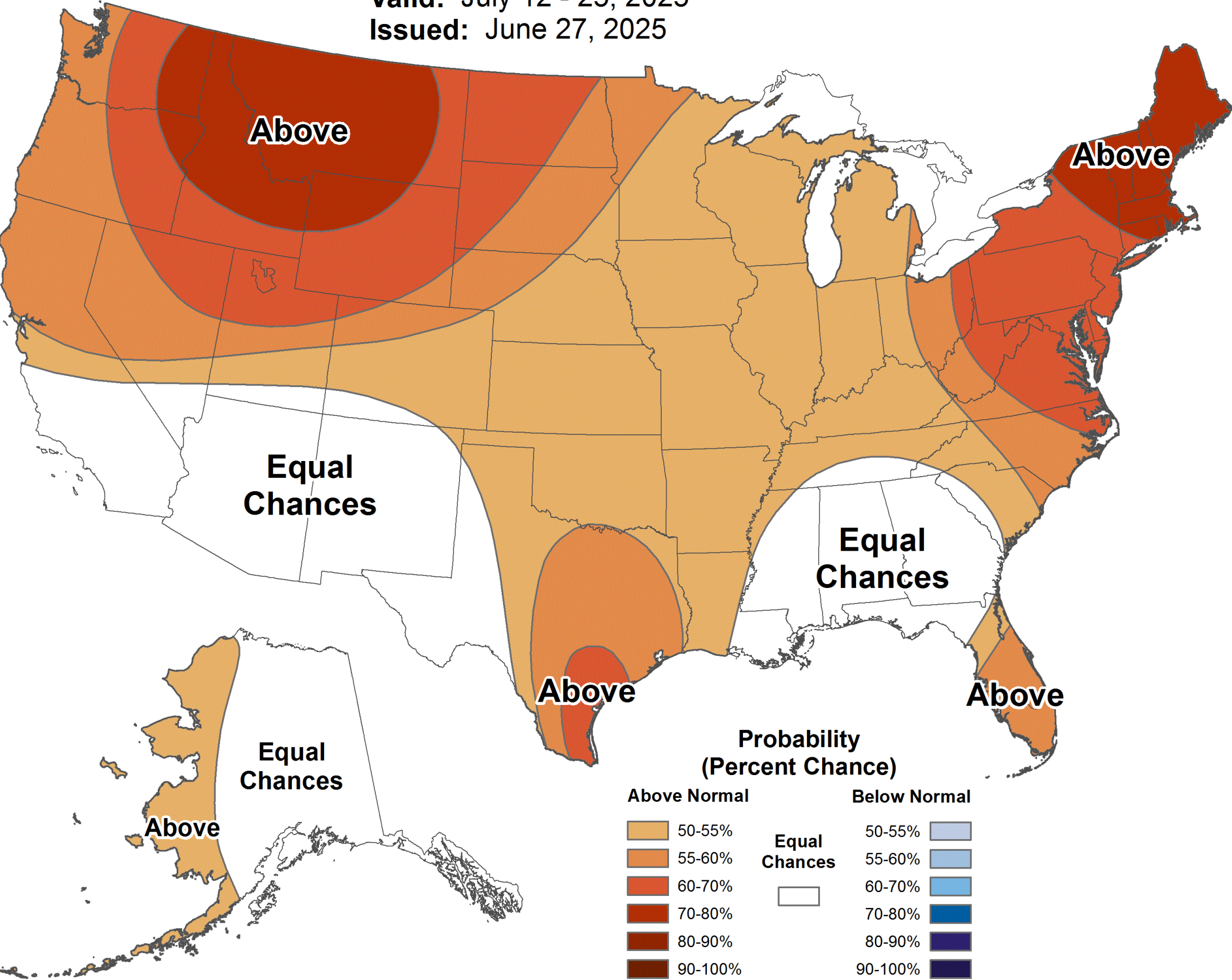
Boston/Norton MA  
WEATHER FORECAST OFFICE



## Weeks 3-4 Temperature Outlook



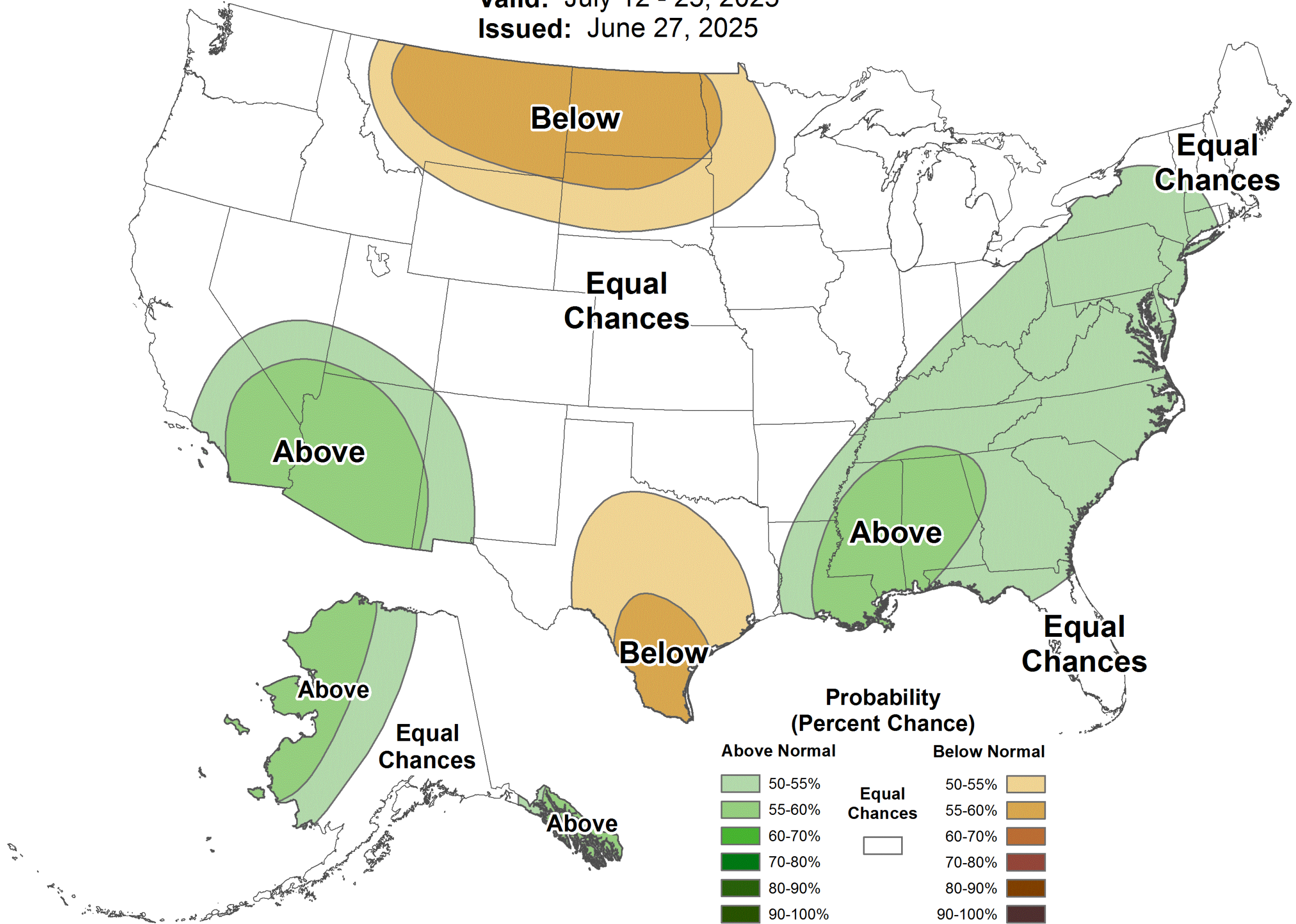
Valid: July 12 - 25, 2025  
Issued: June 27, 2025



## Weeks 3-4 Precipitation Outlook



Valid: July 12 - 25, 2025  
Issued: June 27, 2025





# CPC 3 Month Outlook (Jul-Sep)

Above normal temperatures likely. Leaning slightly toward above normal precip



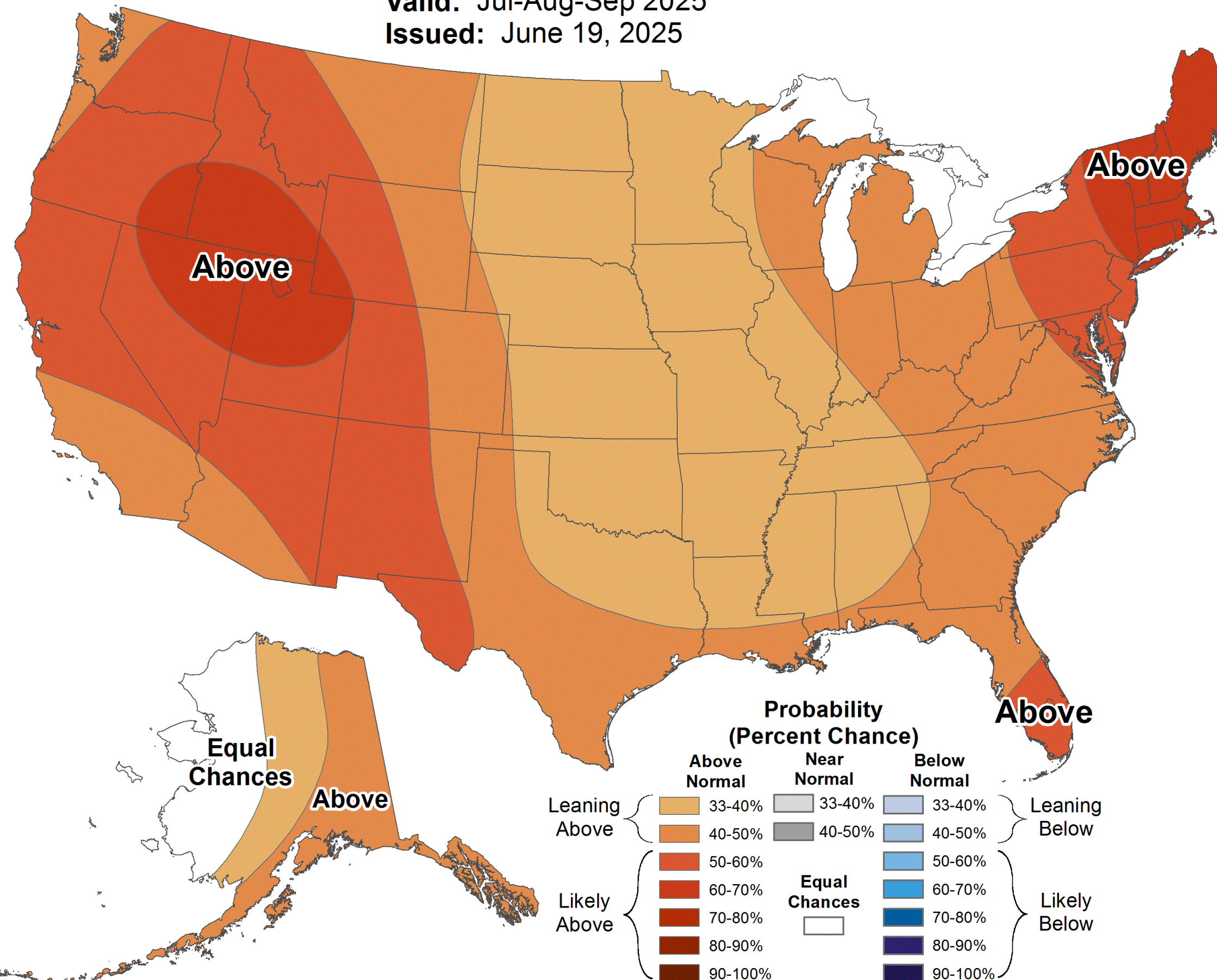
Boston/Norton MA  
WEATHER FORECAST OFFICE



## Seasonal Temperature Outlook



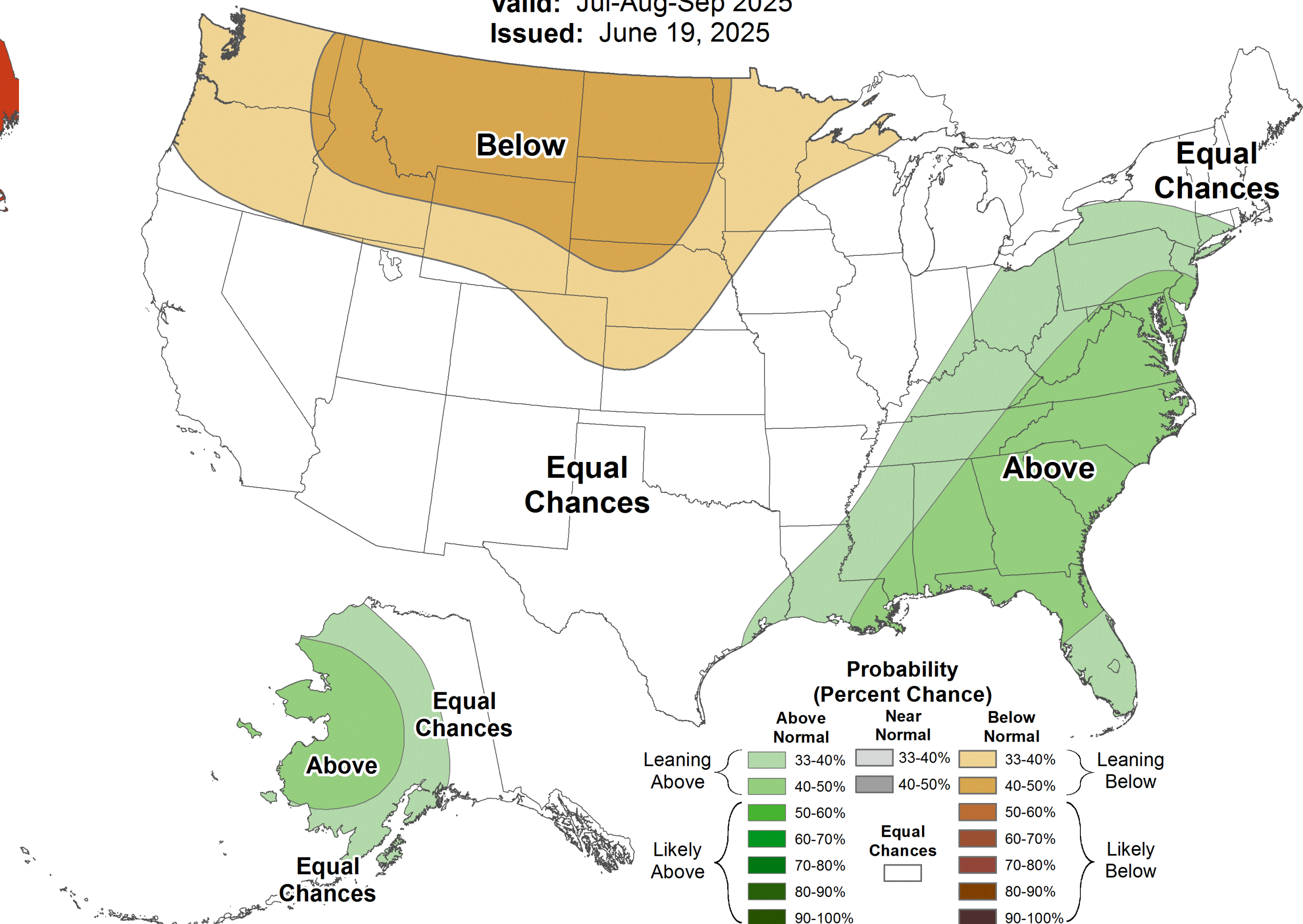
Valid: Jul-Aug-Sep 2025  
Issued: June 19, 2025



## Seasonal Precipitation Outlook



Valid: Jul-Aug-Sep 2025  
Issued: June 19, 2025





# June 2025 Connecticut Precipitation

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

Preliminary Precipitation Data (inches) by County

Precipitation Data through June 2025

Includes CoCoRaHS data

Includes StageIV Data

## CT 1-Month Jun 2025

County	Rainfall	Departure	Percent	Normal
Fairfield	2.77	-1.74	61	4.51
Hartford	2.31	-2.14	52	4.45
Litchfield	3.14	-1.54	67	4.68
Middlesex	1.74	-2.63	40	4.37
New Haven	1.95	-2.42	45	4.37
New London	1.83	-2.26	45	4.09
Tolland	2.42	-2.17	53	4.59
Windham	2.24	-2.10	52	4.34

## CT 2-Month May 25-Jun25

County	Rainfall	Departure	Percent	Normal
Fairfield	9.36	0.86	110	8.50
Hartford	10.35	2.09	125	8.26
Litchfield	10.66	1.95	122	8.71
Middlesex	9.93	1.74	121	8.19
New Haven	9.88	1.53	118	8.35
New London	10.05	2.29	130	7.76
Tolland	9.97	1.72	121	8.25
Windham	10.97	3.08	139	7.89

## CT 3-Month Apr 25-Jun25

County	Rainfall	Departure	Percent	Normal
Fairfield	12.55	-0.25	98	12.80
Hartford	13.94	1.39	111	12.55
Litchfield	14.43	1.76	114	12.67
Middlesex	13.19	0.32	102	12.87
New Haven	12.98	-0.04	100	13.02
New London	13.66	1.37	111	12.29
Tolland	13.86	1.37	111	12.49
Windham	14.99	2.64	121	12.35



**CT 4-Month Mar 25-Jun25**

<b>County</b>	<b>Rainfall</b>	<b>Departure</b>	<b>Percent</b>	<b>Normal</b>
Fairfield	16.68	-0.41	98	17.09
Hartford	17.89	1.14	107	16.75
Litchfield	17.96	1.24	107	16.72
Middlesex	17.36	-0.14	99	17.50
New Haven	17.28	-0.28	98	17.56
New London	18.13	1.06	106	17.07
Tolland	17.78	1.06	106	16.72
Windham	18.95	2.07	112	16.88

**CT 5-Month Feb 25-Jun25**

<b>County</b>	<b>Rainfall</b>	<b>Departure</b>	<b>Percent</b>	<b>Normal</b>
Fairfield	19.88	-0.34	98	20.22
Hartford	21.14	1.26	106	19.88
Litchfield	21.01	1.31	107	19.70
Middlesex	20.49	-0.41	98	20.90
New Haven	20.42	-0.51	98	20.93
New London	21.42	1.04	105	20.38
Tolland	20.95	1.20	106	19.75
Windham	22.24	2.13	111	20.11

**CT 6-Month Jan 25-Jun25**

<b>County</b>	<b>Rainfall</b>	<b>Departure</b>	<b>Percent</b>	<b>Normal</b>
Fairfield	21.18	-2.80	88	23.98
Hartford	22.25	-1.32	94	23.57
Litchfield	22.23	-1.08	95	23.31
Middlesex	21.82	-3.08	88	24.90
New Haven	21.73	-3.08	88	24.81
New London	22.98	-1.32	95	24.30
Tolland	22.34	-0.98	96	23.32
Windham	23.78	-0.19	99	23.97

**CT 7-Month Dec 24-Jun25**

<b>County</b>	<b>Rainfall</b>	<b>Departure</b>	<b>Percent</b>	<b>Normal</b>
Fairfield	25.94	-2.59	91	28.53
Hartford	26.66	-1.52	95	28.18
Litchfield	26.76	-1.06	96	27.82
Middlesex	27.88	-1.90	94	29.78
New Haven	26.89	-2.66	91	29.55
New London	29.48	0.33	101	29.15
Tolland	27.43	-0.42	98	27.85

Windham	29.57	0.85	103	28.72
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#### CT 12-Month Jul 24-Jun25

County	Rainfall	Departure	Percent	Normal
Fairfield	46.76	-3.77	93	50.53
Hartford	43.17	-7.07	86	50.24
Litchfield	45.05	-5.79	89	50.84
Middlesex	44.69	-6.80	87	51.49
New Haven	46.15	-5.14	90	51.29
New London	45.34	-4.75	91	50.09
Tolland	43.21	-6.00	88	49.21
Windham	44.74	-5.07	90	49.81

#### CT 24-Month Jul 23-Jun25

County	Rainfall	Departure	Percent	Normal
Fairfield	119.56	18.39	118	101.17
Hartford	117.68	17.08	117	100.60
Litchfield	117.32	15.54	115	101.78
Middlesex	118.16	15.06	115	103.10
New Haven	119.81	17.11	117	102.70
New London	117.40	17.10	117	100.30
Tolland	116.98	18.45	119	98.53
Windham	122.51	22.77	123	99.74

#### CT 36-Month Jul 22-Jun25

County	Rainfall	Departure	Percent	Normal
Fairfield	164.36	12.66	108	151.70
Hartford	164.29	13.45	109	150.84
Litchfield	162.74	10.12	107	152.62
Middlesex	167.14	12.55	108	154.59
New Haven	167.38	13.39	109	153.99
New London	165.96	15.57	110	150.39
Tolland	166.08	18.34	112	147.74
Windham	174.50	24.95	117	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.