



# MA Drought Management Task Force NWS Update

Wednesday May 7<sup>th</sup> 2025

*Prepared by: NWS WFO Boston/Norton, MA*

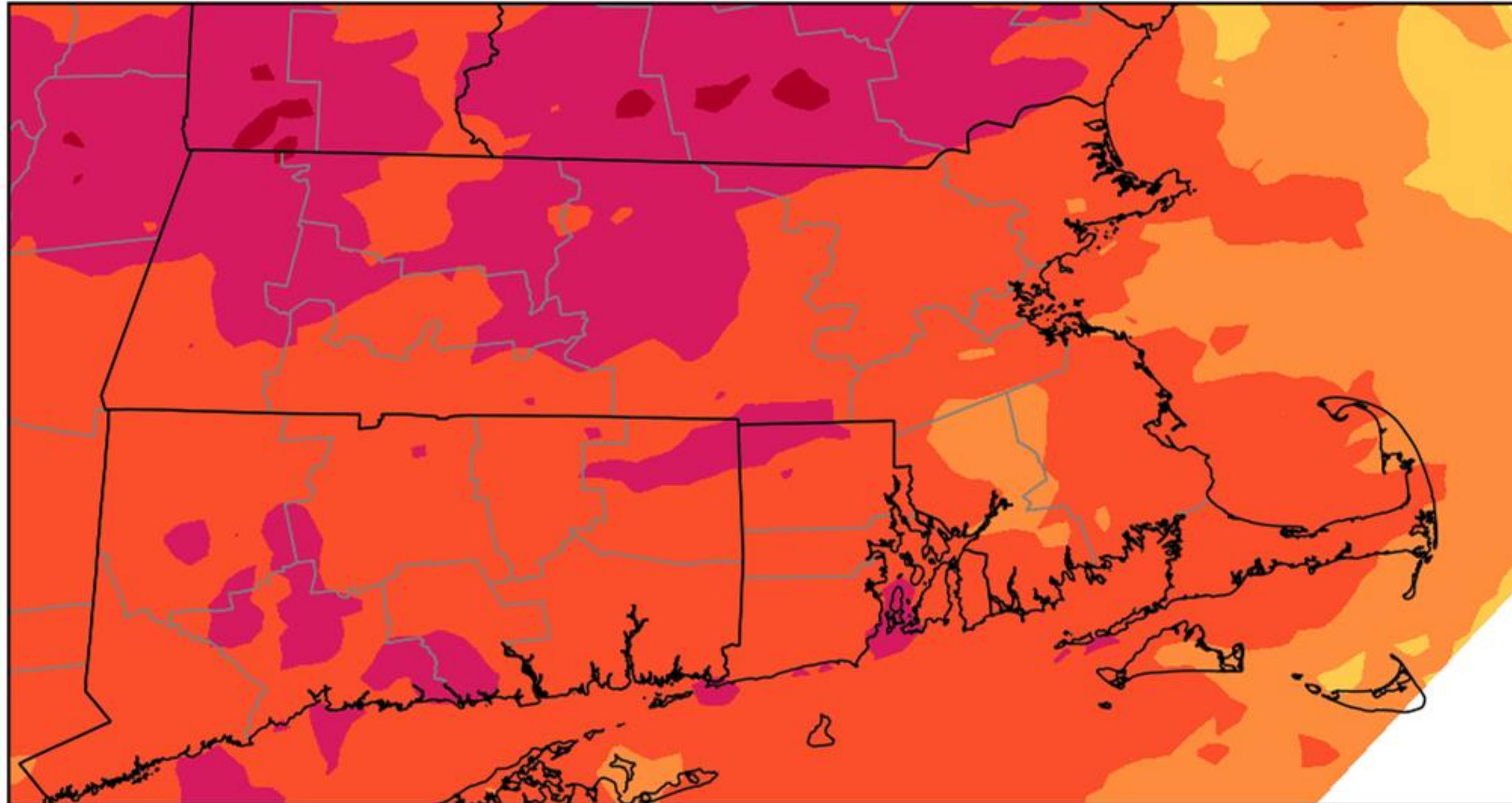
# April Precipitation & Departures



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## Precipitation

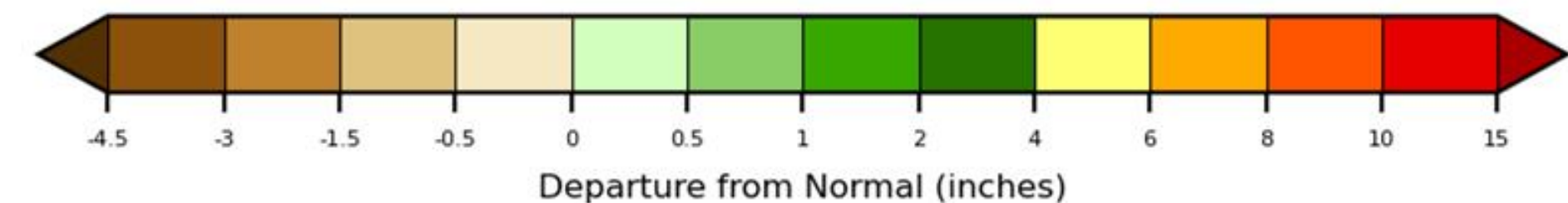
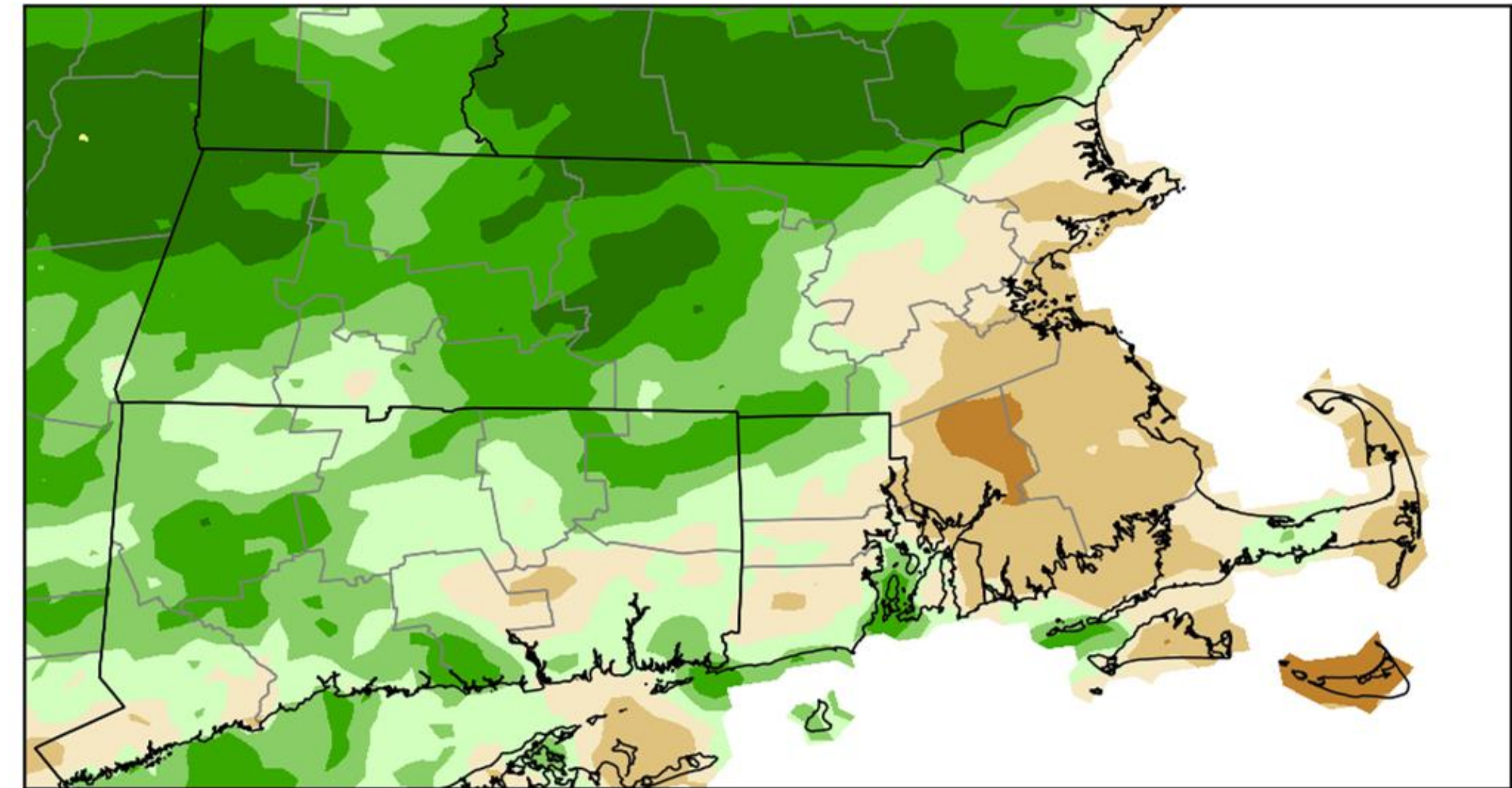
Accumulated Precipitation (inches)  
April 01, 2025 to May 01, 2025



4-6" inch totals for most of the Commonwealth

## Departure from Normal

Precipitation Departure from Normal (inches)  
April 01, 2025 to May 01, 2025



Central/Western MA: 1-2+ inches above normal  
East/Southeast MA: 0.5" to 1.5" below normal

# 3 and 6 Month Percent of Normal

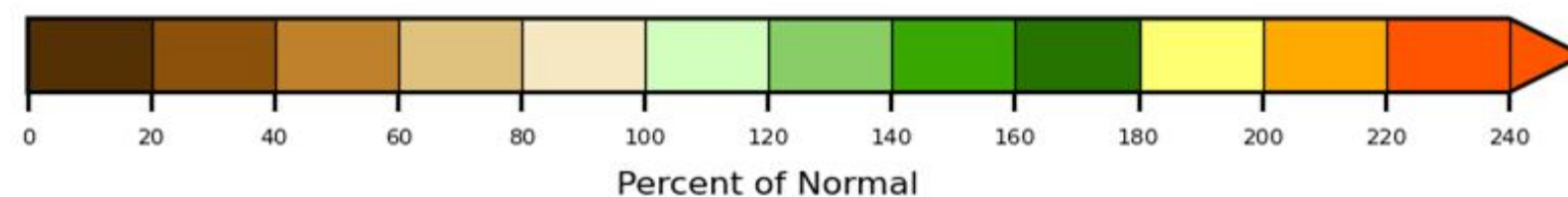
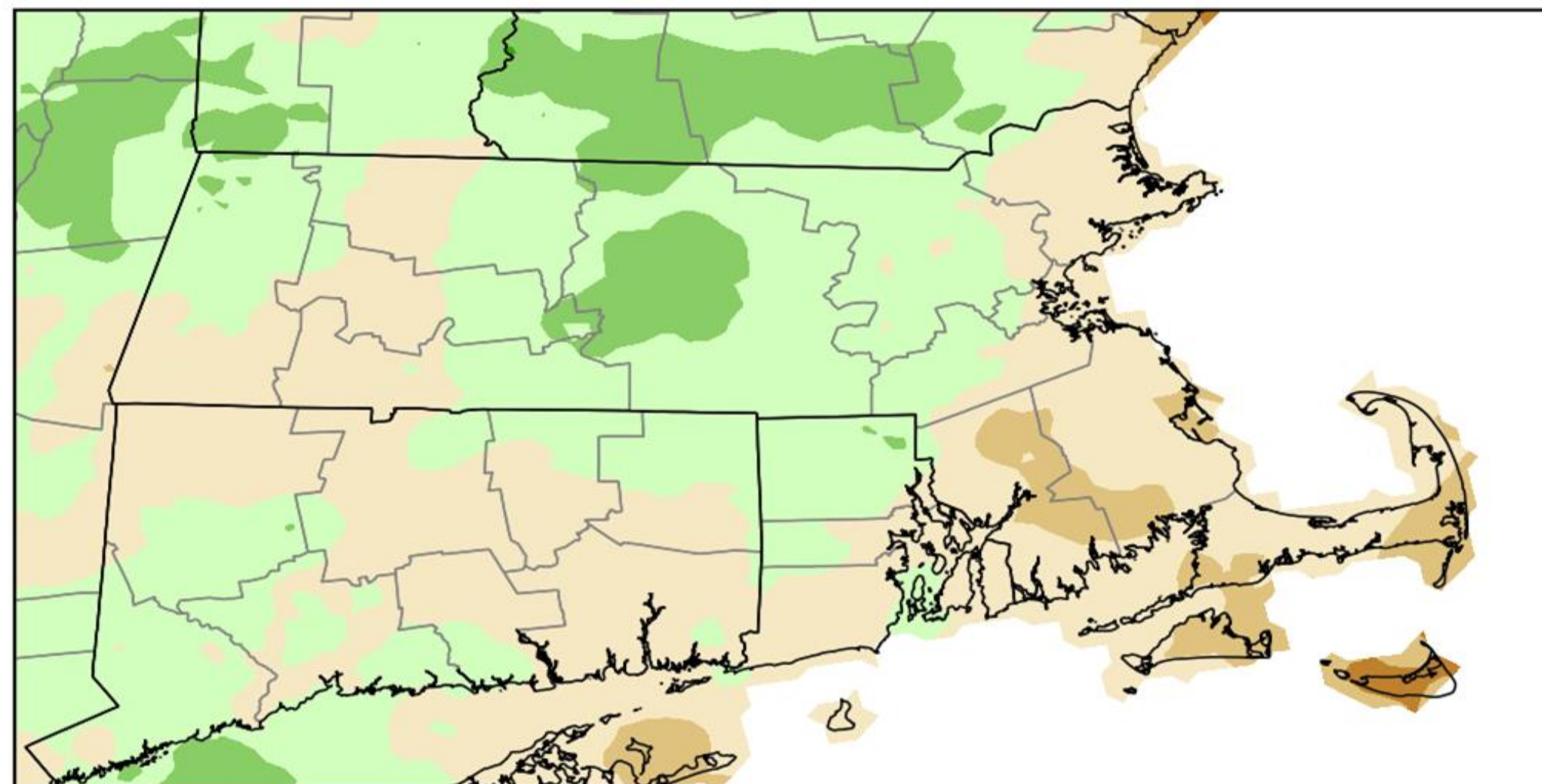


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## Last 3 Months (Feb-Apr)

- Near normal (80-120%) across eastern/southeastern MA
- Pockets below normal (40-80%) Cape/Islands

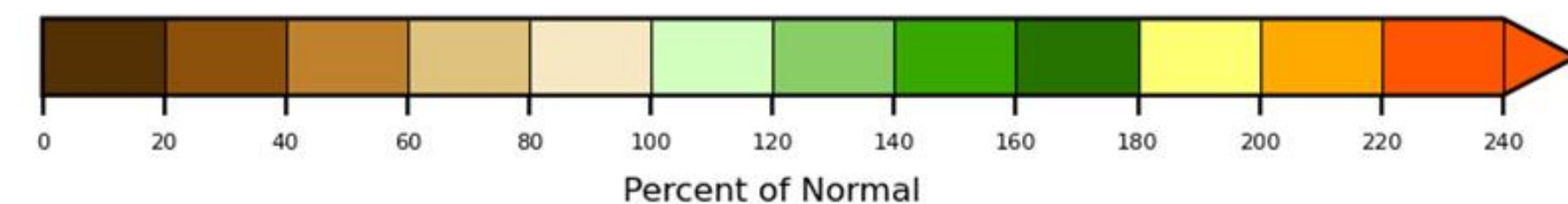
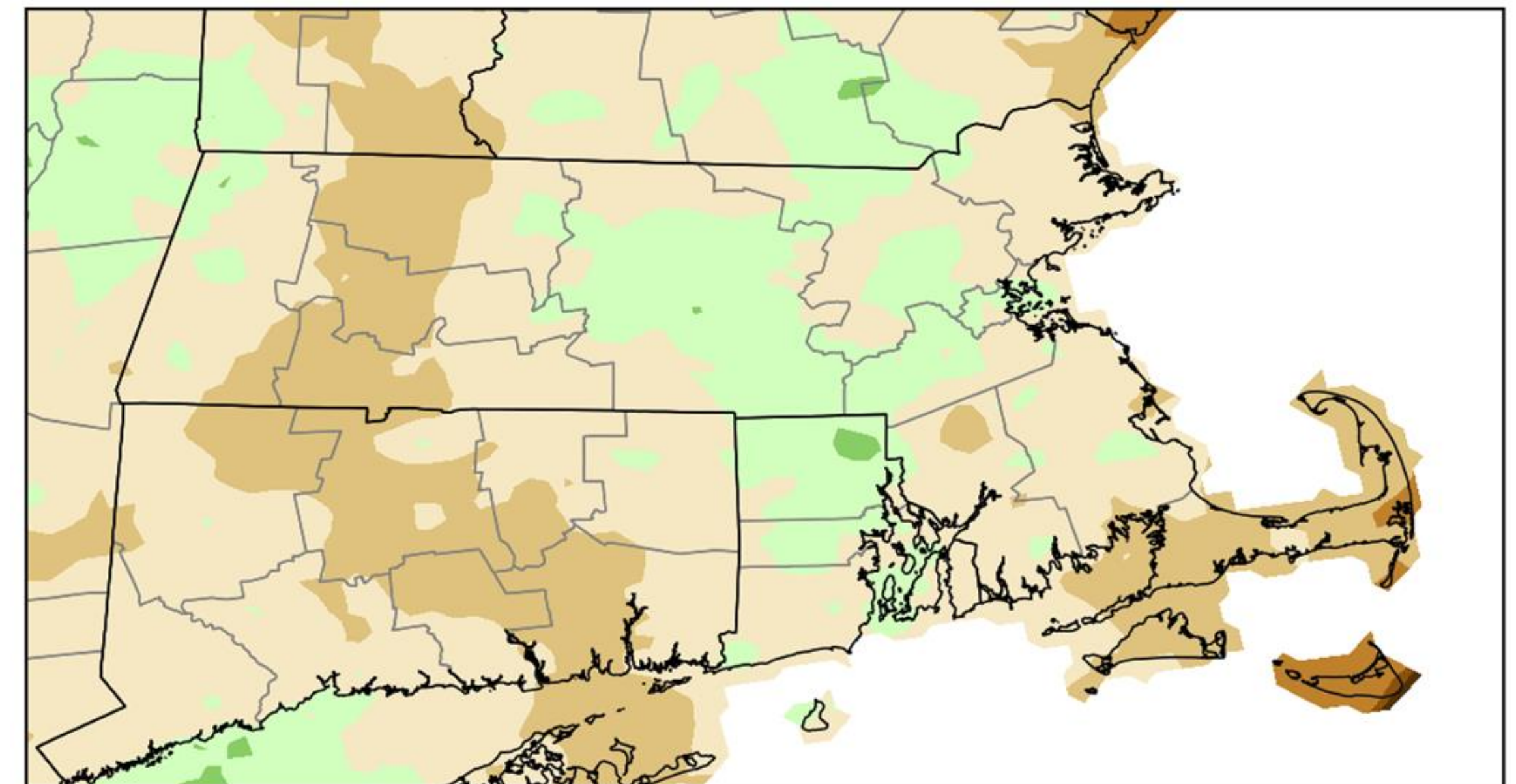
Precipitation Percent of Normal  
February 01, 2025 to May 01, 2025



## Last 6 Months (Nov-Apr)

- Mostly near normal
- Localized 60-80% western MA, Cape, MVY
- Nantucket 40-60%

Precipitation Percent of Normal  
November 01, 2024 to May 01, 2025

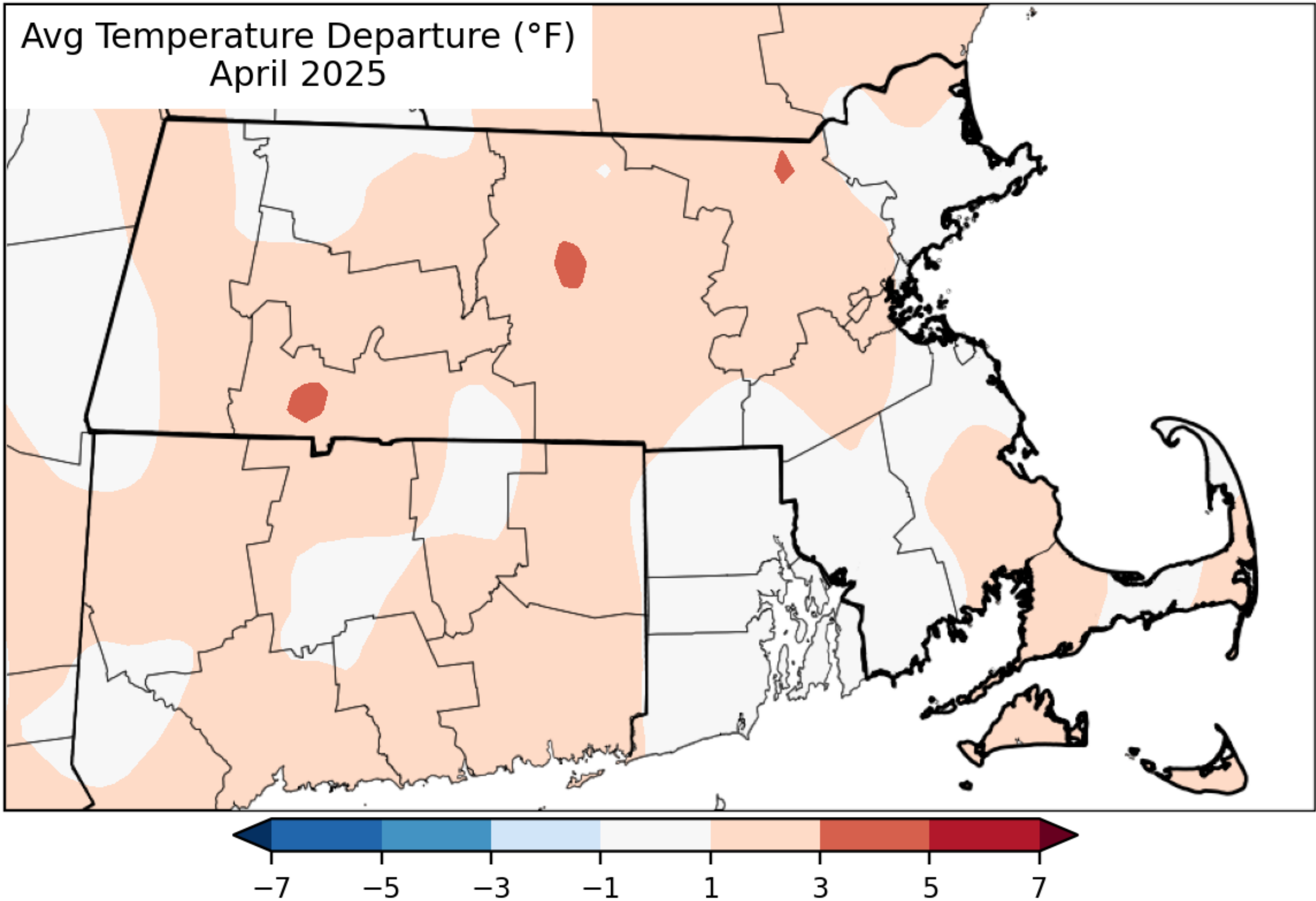


# Average Temperatures for April



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Generally within 1 degree of normal



# 7 Day Precipitation Forecast

Through Tuesday May 13th



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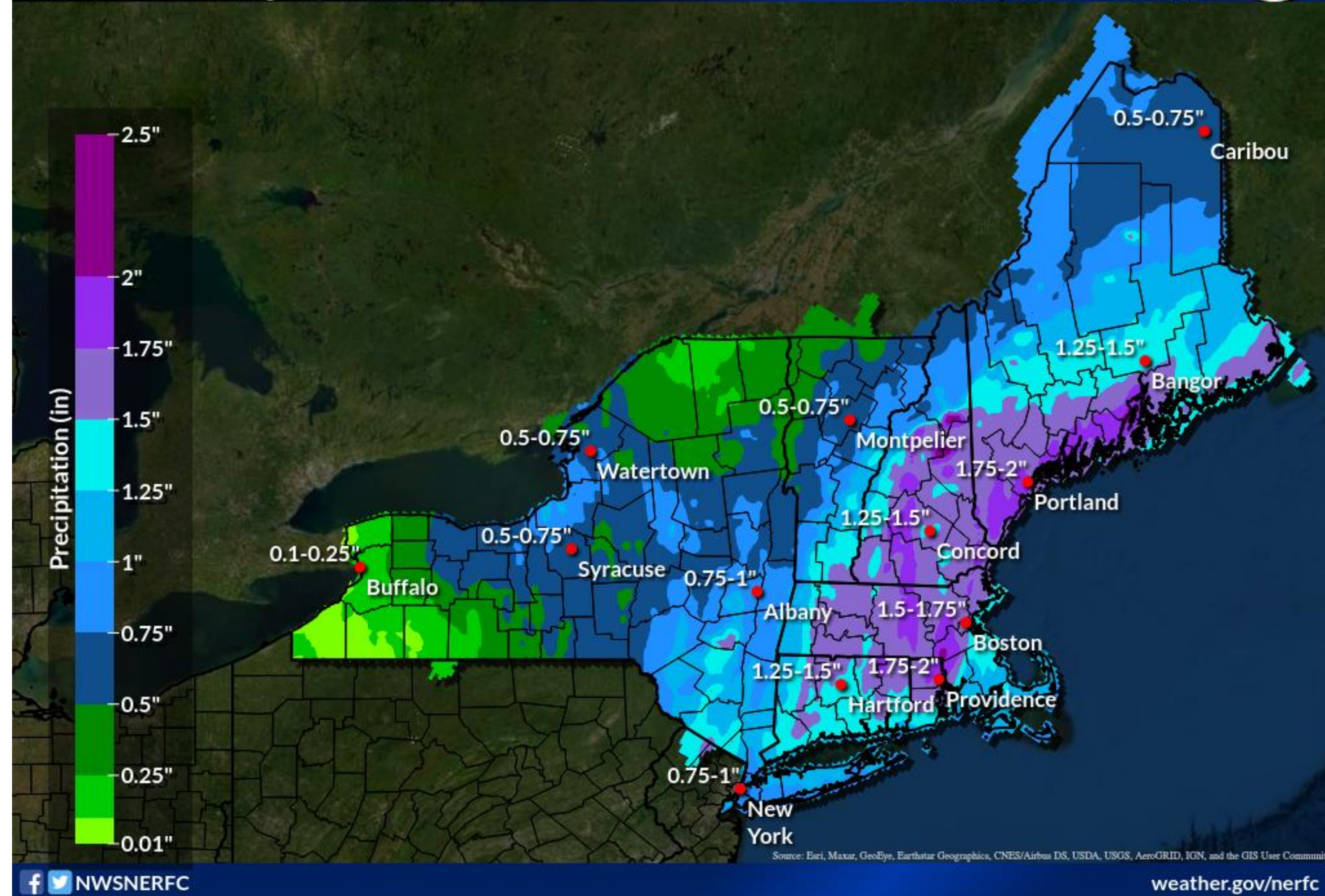
- Includes Tuesday/Wednesday Precip
- 1.5-2" for most of MA
- 0.75 to 1.5" for southeast MA, Cape/Islands
- Additional precip Friday-Saturday

## 7 Day WPC Precipitation Forecast

Valid Tue 8:00AM through Tue 8:00AM EDT

River Forecast Center  
Northeast RFC

Issued May 06, 2025 8:05 AM EDT

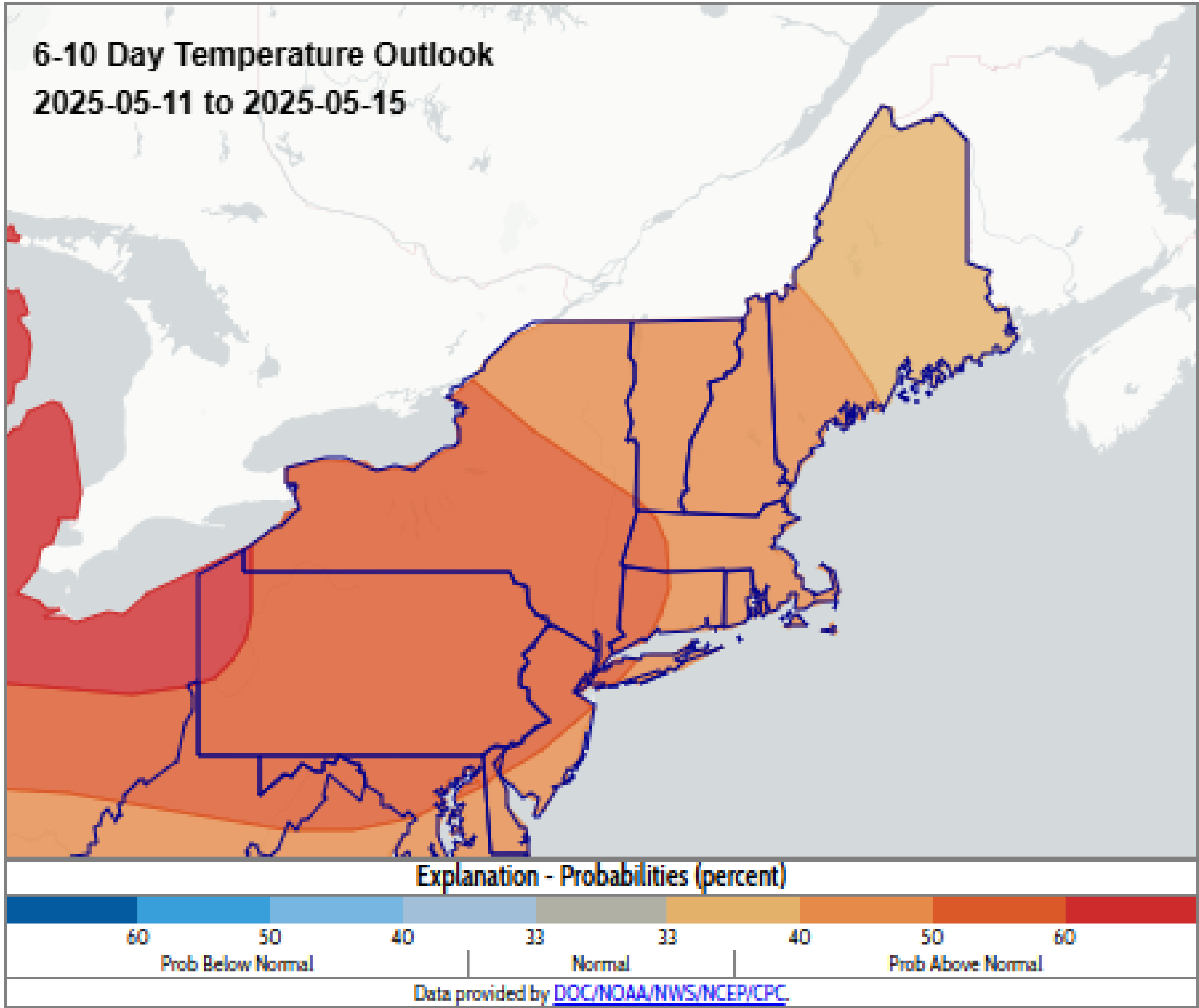
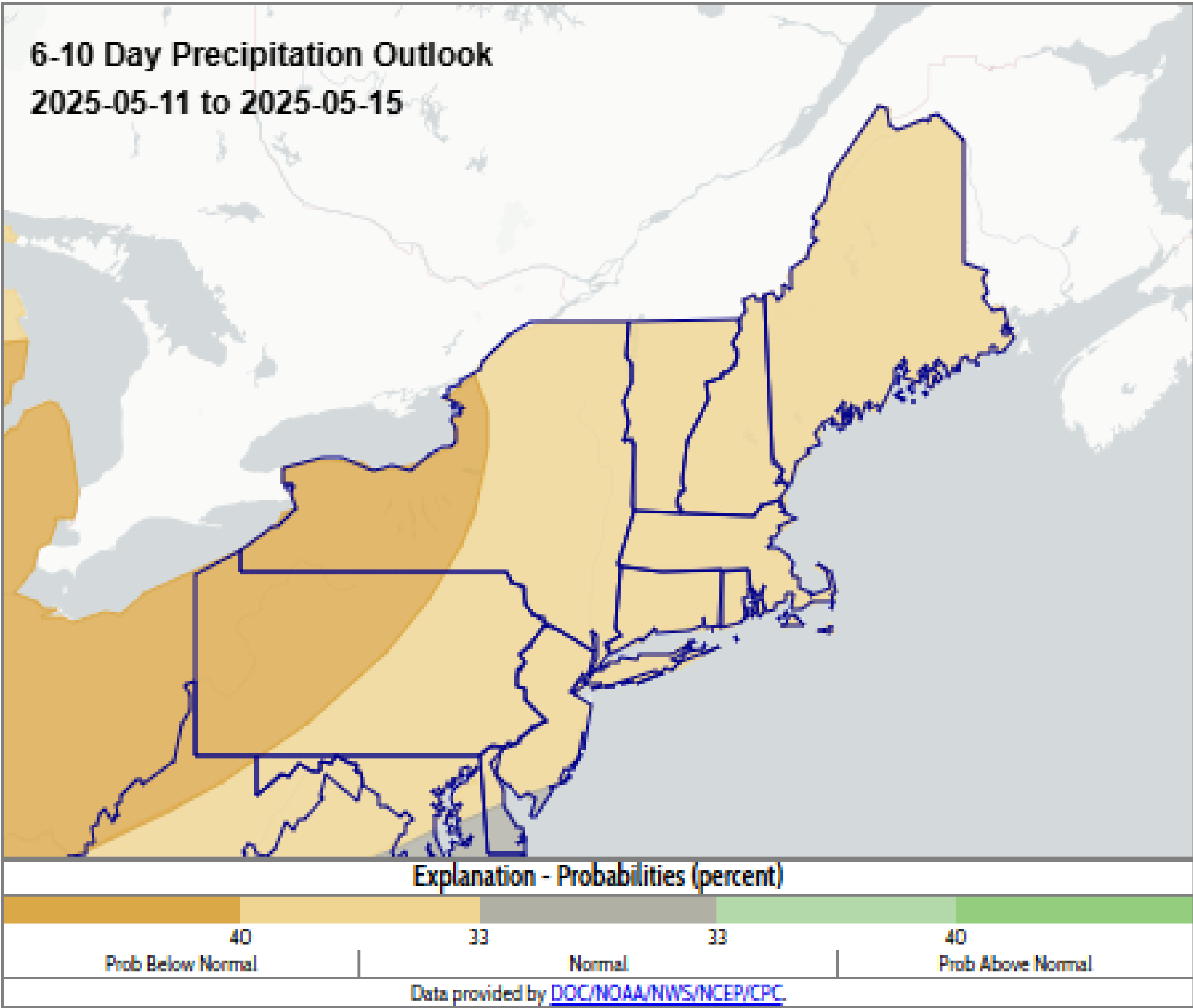


# Outlook: May 11th - May 15th



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Odds favor below normal precipitation and above normal temperatures



# Outlook: May 17th – May 30th



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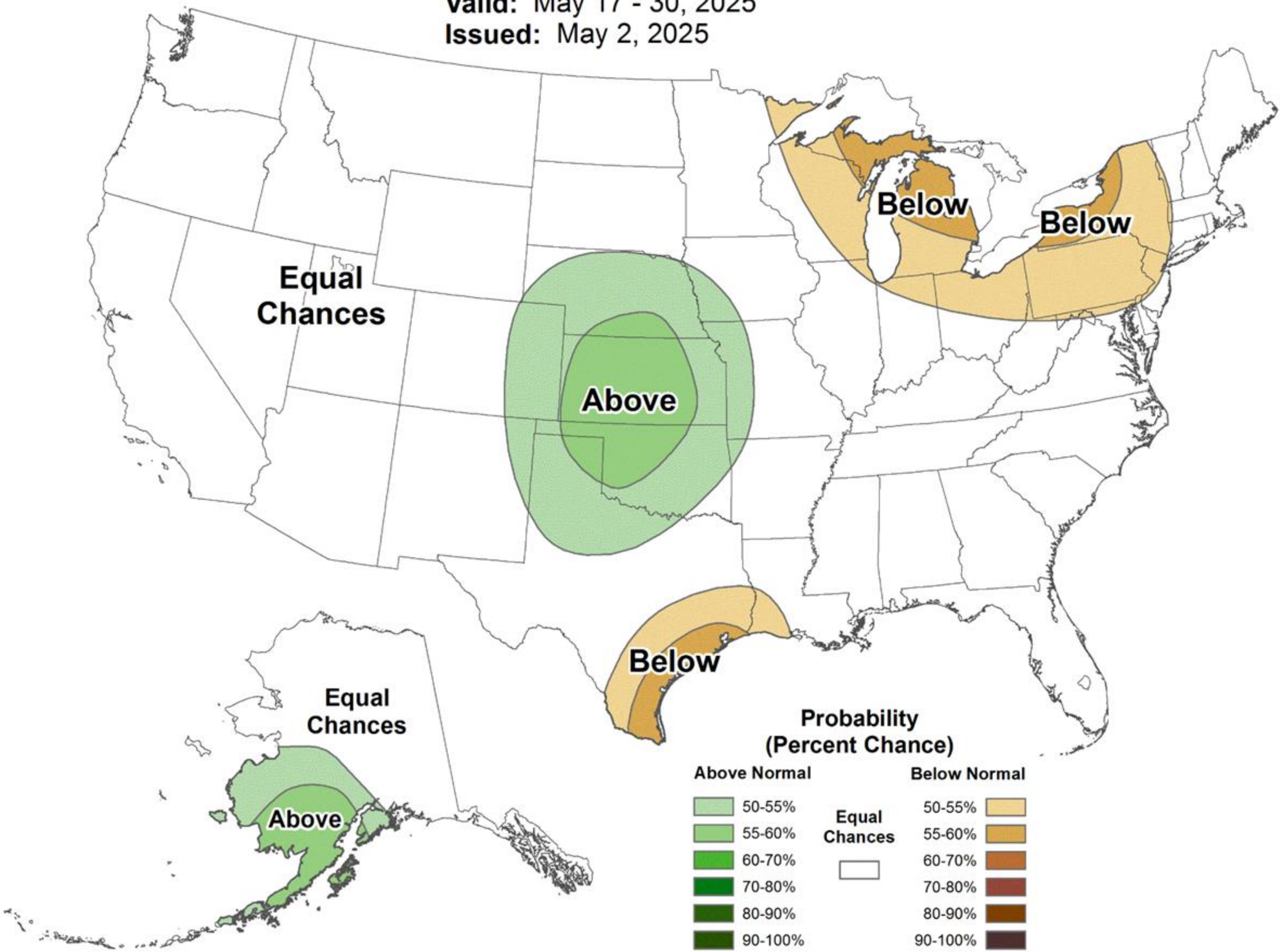
No strong signal for above/below normal precip.      60-70% chance for above normal temperatures



## Weeks 3-4 Precipitation Outlook



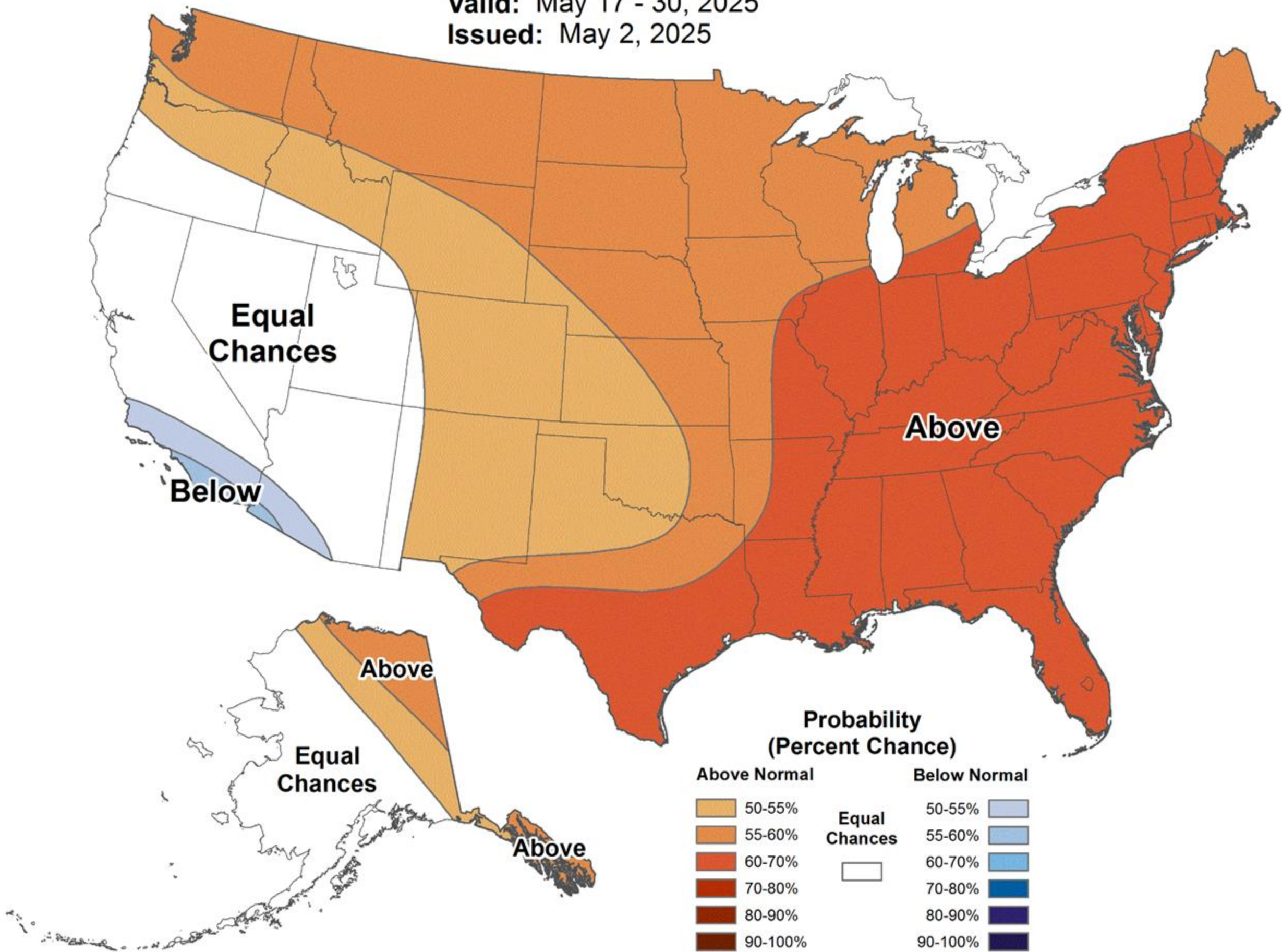
Valid: May 17 - 30, 2025  
Issued: May 2, 2025



## Weeks 3-4 Temperature Outlook



Valid: May 17 - 30, 2025  
Issued: May 2, 2025



# Boston/Norton MA

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[illegible]

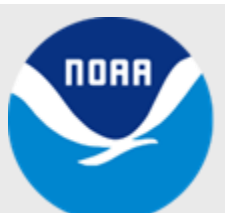
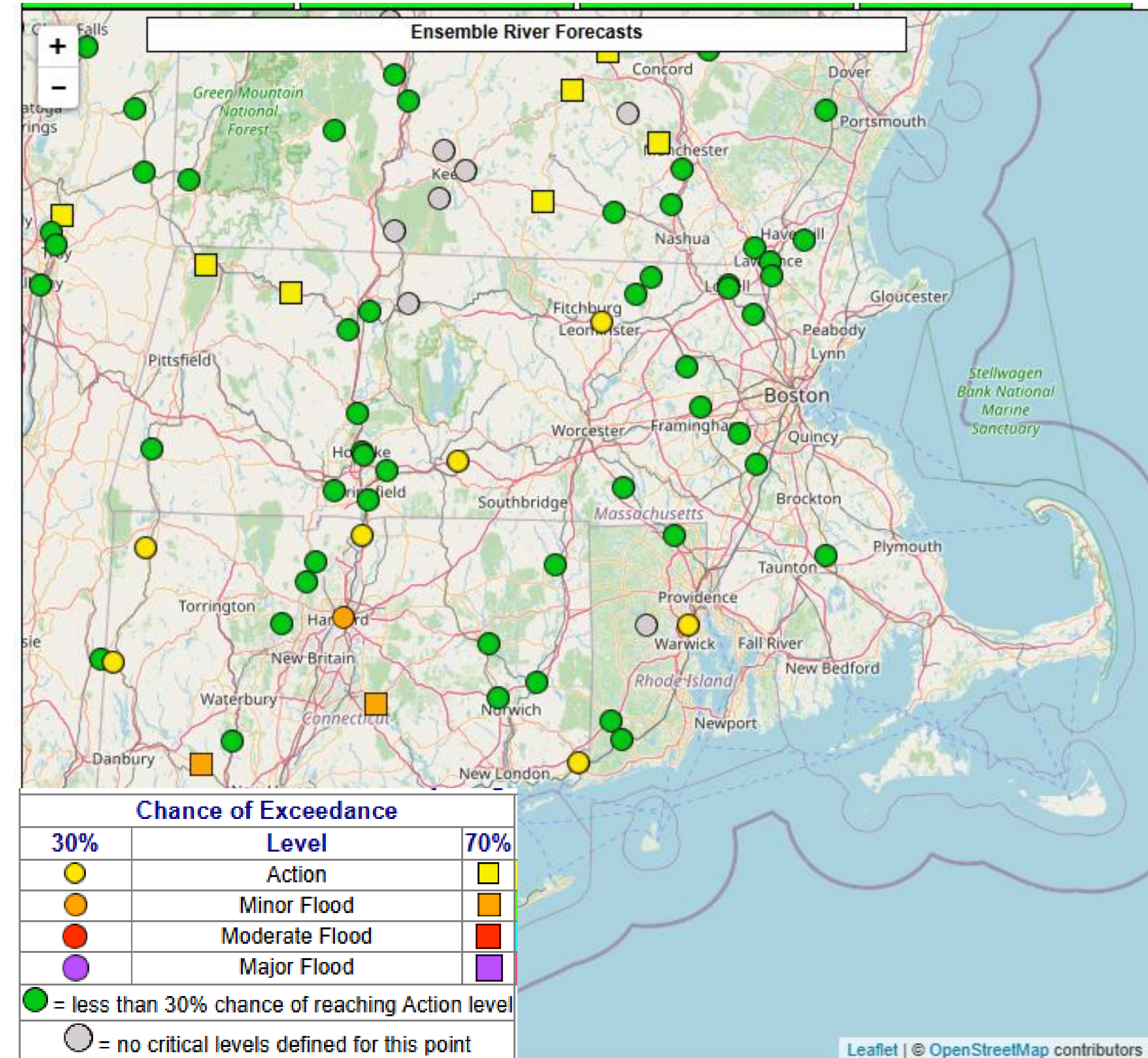


# Latest River Forecasts

May 6, 2025  
10:00 AM

No river flooding anticipated during the next ten days.

- A 52 member ensemble run for all NERFC forecast points to give us an idea of the possible range of river flows out 10 days.
- Will show results for...
  - North Nashua River at Fitchburg





# NAEFS Precipitation & Streamflow

May 6, 2025  
10:00 AM

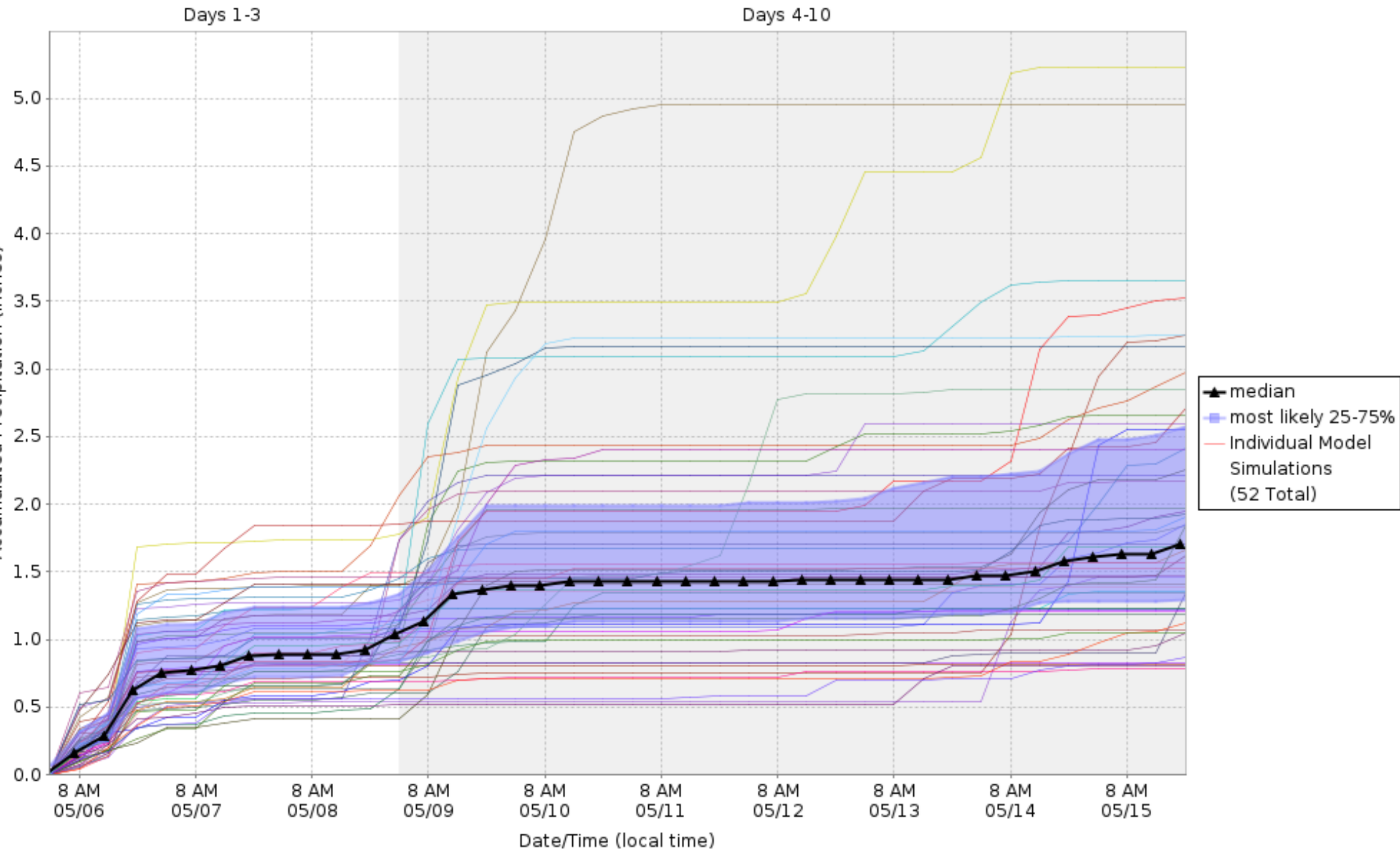
## North Nashua River at Fitchburg (FBGM3)

### NAEFS - 10 Day Accumulated Precipitation Probabilities

Based on North American Ensemble Forecast System Model Simulations  
Used to Estimate the Range of Possible River Levels



May 06 - May 16, 2025  
North Nashua River at Fitchburg, MA (FBGM3)



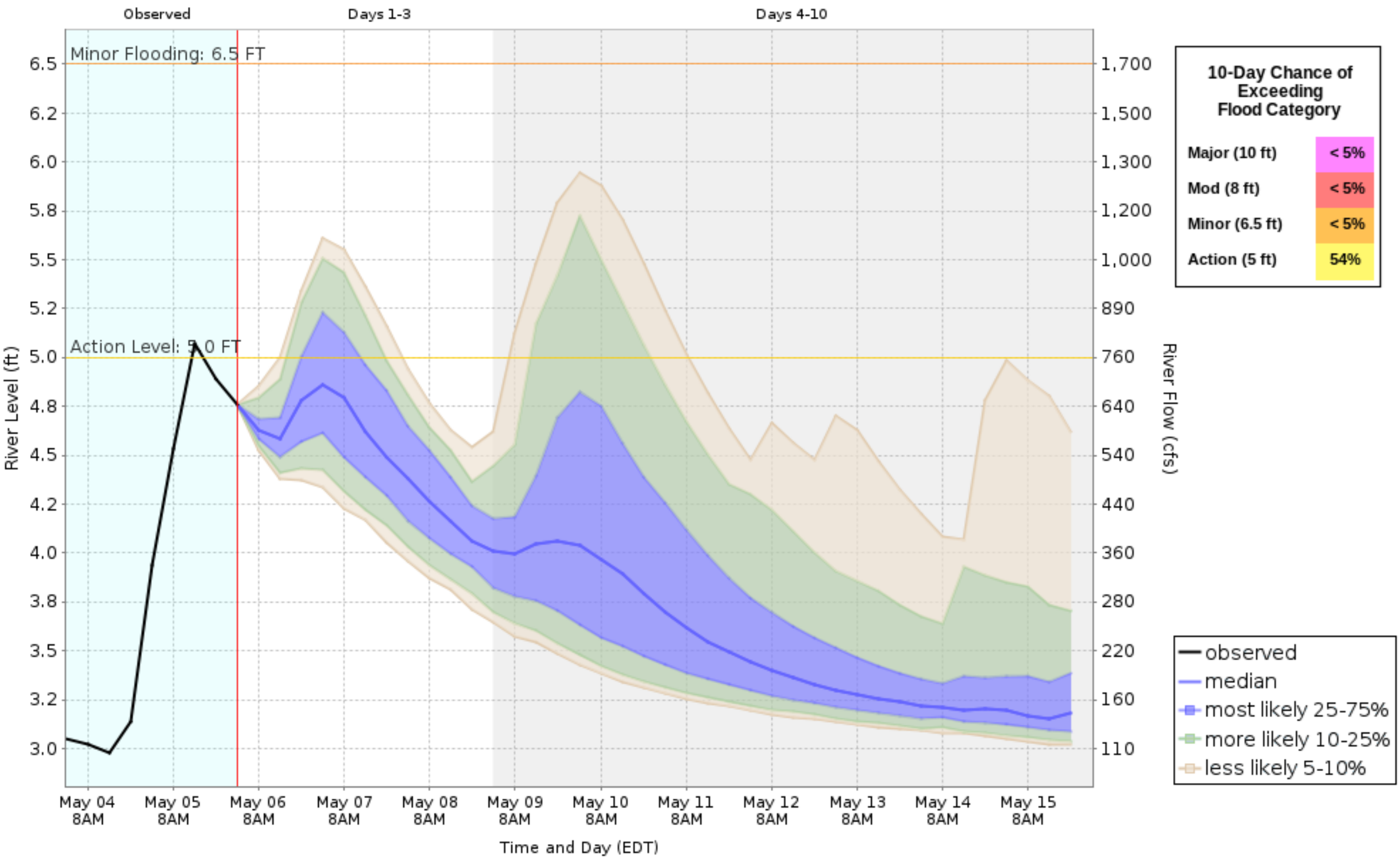
Model runtime: 02:00 AM EDT May 06 2025  
Northeast River Forecast Center

### NAEFS - 10 Day River Level Probabilities

Based on North American Ensemble Forecast System Model Simulations  
Used to Estimate the Range of Possible River Levels



May 06 - May 16, 2025  
North Nashua River at Fitchburg, MA (FBGM3)



Model runtime: 02:00 AM EDT May 06 2025  
Northeast River Forecast Center





April: Near normal temperatures and below to above normal precipitation

- Above normal precipitation for Western, Central, and eastern MA (1-2" above normal)
- Below normal precipitation for southeast MA, Cape, and Islands (0.5 to 1.5" below normal)

Longer Range Precipitation Departures:

- 3-month and 6-month departures near normal for most of the state
- Sections of western MA, Cape, and Islands below normal (40-80% of normal)

Outlook:

- 1 to 2" of new precipitation possible through next Tuesday with the best chances away from southeast MA
- Leaning toward below normal precipitation for the second week of May
- Odds favor above normal precipitation through July