

Connecticut Drought Conditions Report

Monthly Update for December 2023



Interagency Drought Workgroup
January 4, 2024
Regular Meeting

U.S. Drought Monitor (USDM): The map and designation below are from December 26, 2023 – which is the most recent edition of the USDM. The entire state of Connecticut has continued to have no drought classification via the USDM. This trend has continued every week since the September 7, 2023 IDW Meeting.

U.S. Drought Monitor



Drought & Dryness Categories

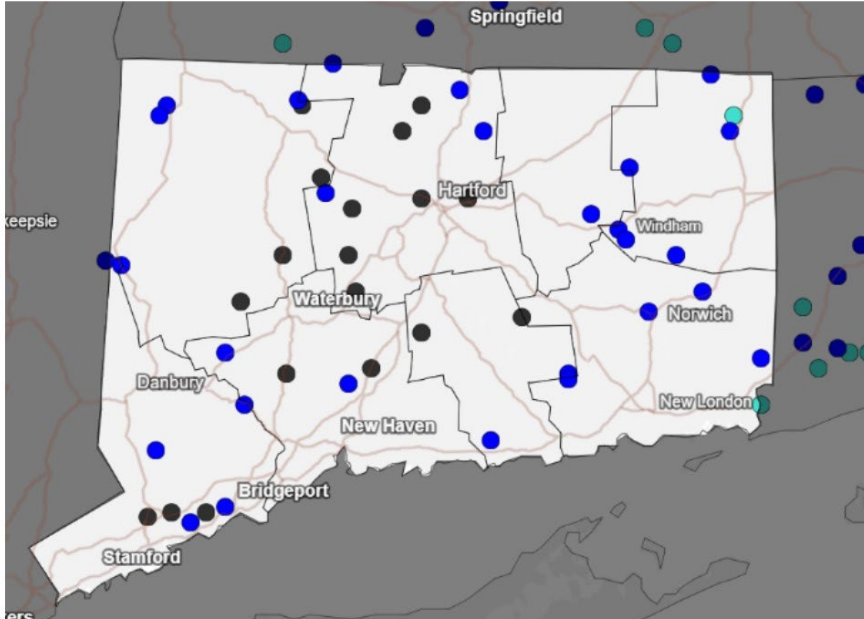
	% of CT
D0 – Abnormally Dry	0.0%
D1 – Moderate Drought	0.0%
D2 – Severe Drought	0.0%
D3 – Extreme Drought	0.0%
D4 – Exceptional Drought	0.0%
Total Area in Drought (D1–D4)	0.0%

Source(s): NDMC, NOAA, USDA
 Data Valid: 12/26/23

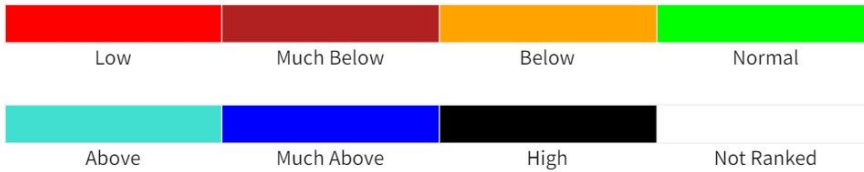
Drought.gov

Streamflow Levels: As of December 29, 2023 – Streamflow levels primarily measured Much Above or High, relative to historical monthly data.

Real-Time Streamflow Conditions



Streamflow Conditions



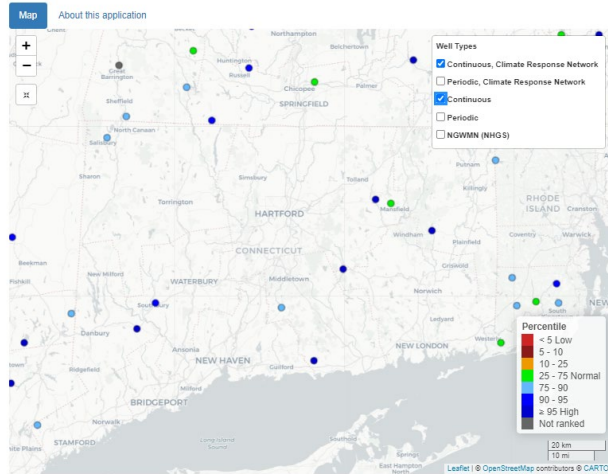
Source(s): U.S. Geological Survey
Data Valid: 12/29/23

Drought.gov

Groundwater Levels: Similar to November – the periodic groundwater well measurements for December 2023 were distributed between 25-75% of normal, 75-90% of normal, and 90-95% of normal. Two maps are included, the first shows the continuous (or “real-time”) groundwater well measurements throughout the state, the second shows the periodic measurements – all measurements are made relative to monthly historic data.

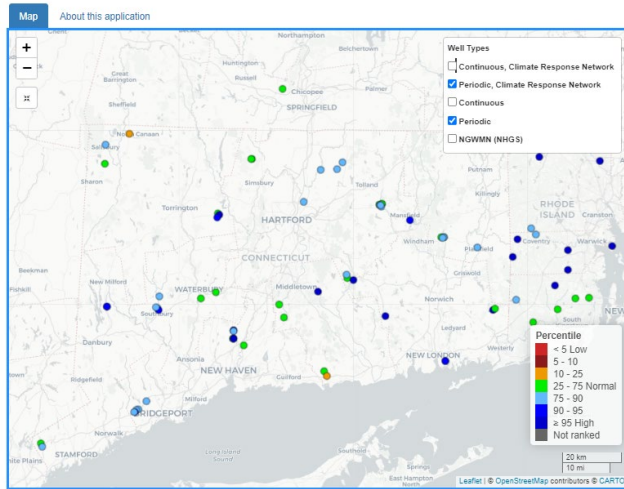
Groundwater Levels in New England

Recent conditions relative to historical monthly statistics



Groundwater Levels in New England

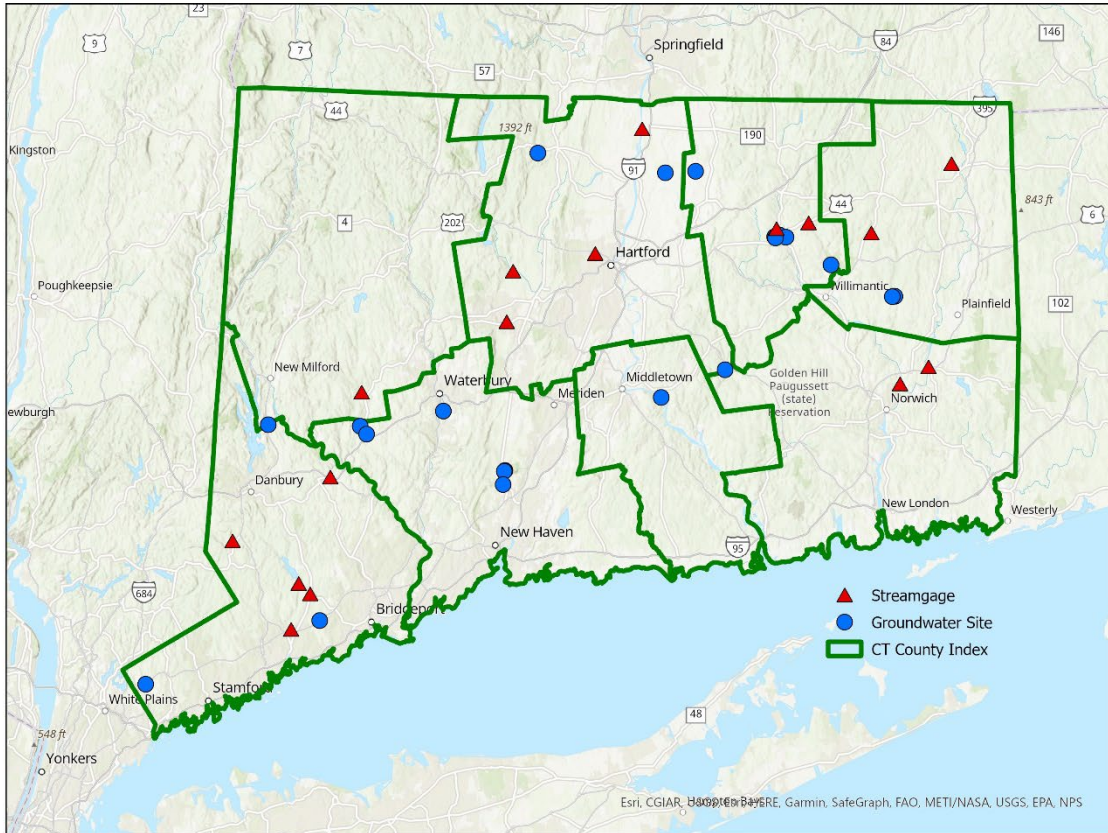
Recent conditions relative to historical monthly statistics



From John Mullaney, USGS – Record Highs for Wells and Streamgages: For groundwater sites, this is the highest December groundwater level for the sites mapped. Includes discrete (monthly) measurements and mean daily values. There might be higher values in the hourly or 15 minute data for a given site/day.

For streamflow, these sites had a daily mean flow that was the highest for the month of December, as with the groundwater sites, 15 minute data will likely have higher peaks.

Wells and Streamgages with record highs for December, 2023



Groundwater (highest December value, including discrete and daily mean values)
Streamflow (highest daily mean December value) Note: all data provisional and subject to review and revision.



CT Interagency Drought Workgroup NWS Update

Thursday, January 4th 2023

Prepared by: NWS WFO Boston, MA

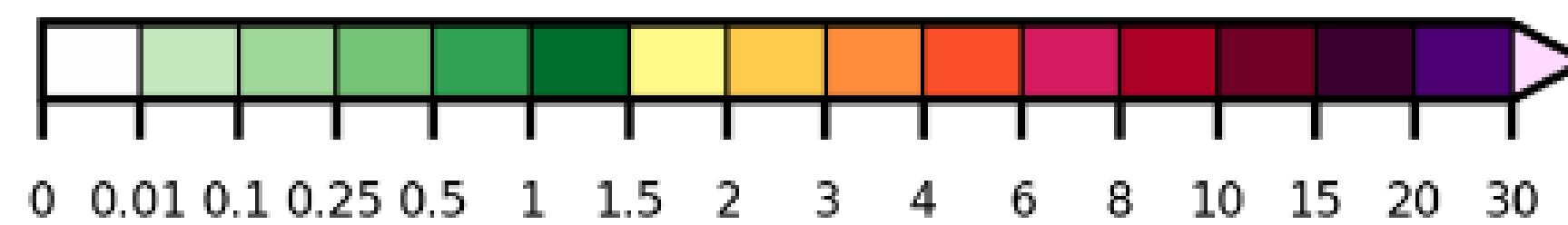
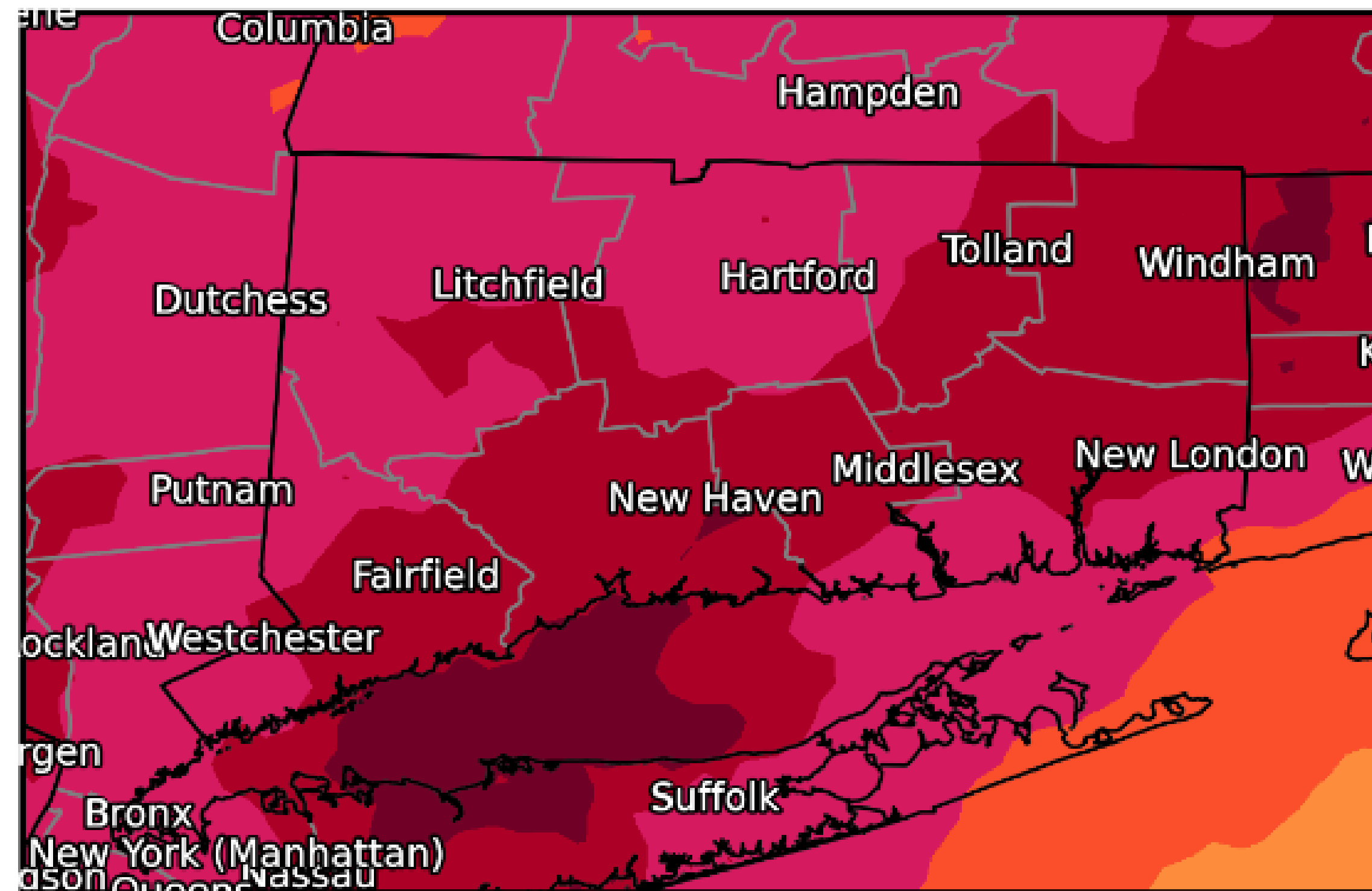


January 2024 Recap – Precip Totals



Albany, NY
WEATHER FORECAST OFFICE

Accumulated Precipitation (inches)
December 01, 2023 to December 31, 2023



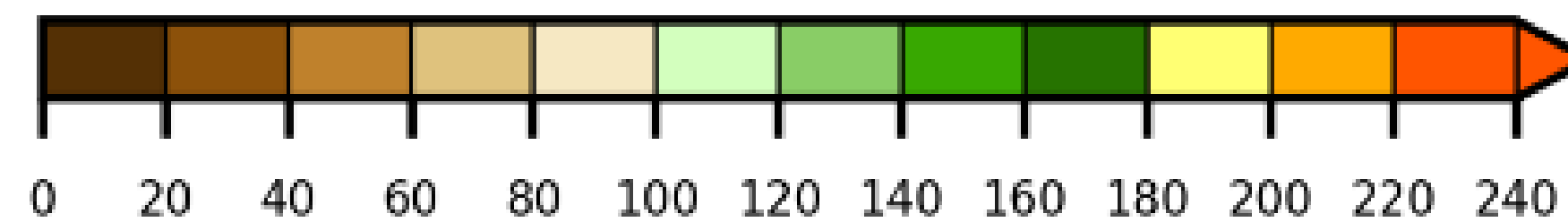
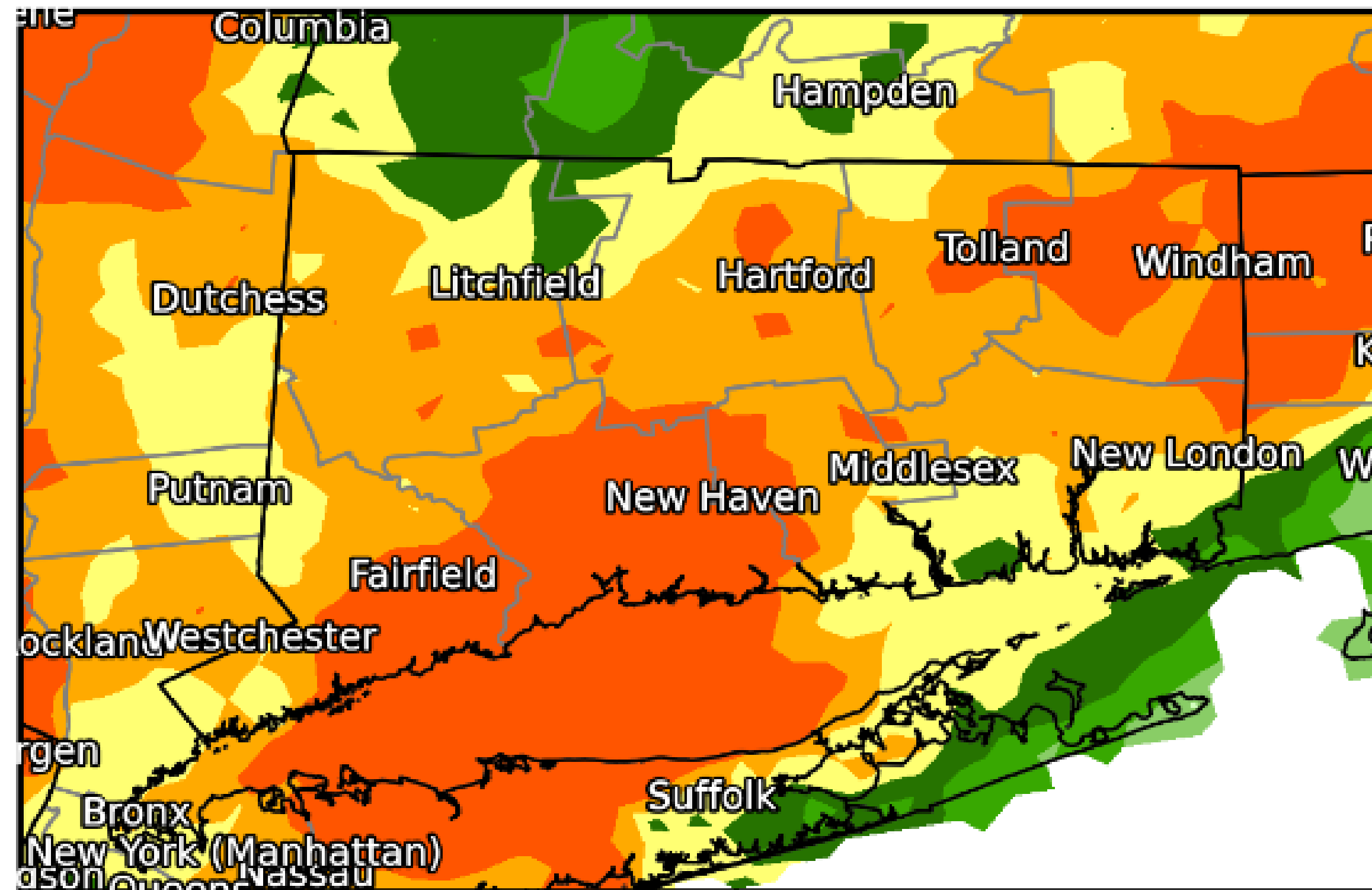
Precipitation (inches)

30-Day Percent of Normal Precip



Albany, NY
WEATHER FORECAST OFFICE

Precipitation Percent of Normal
December 01, 2023 to December 31, 2023



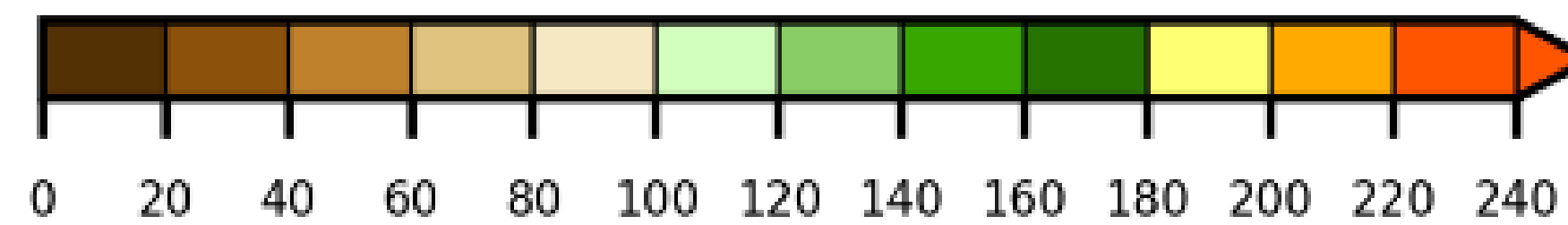
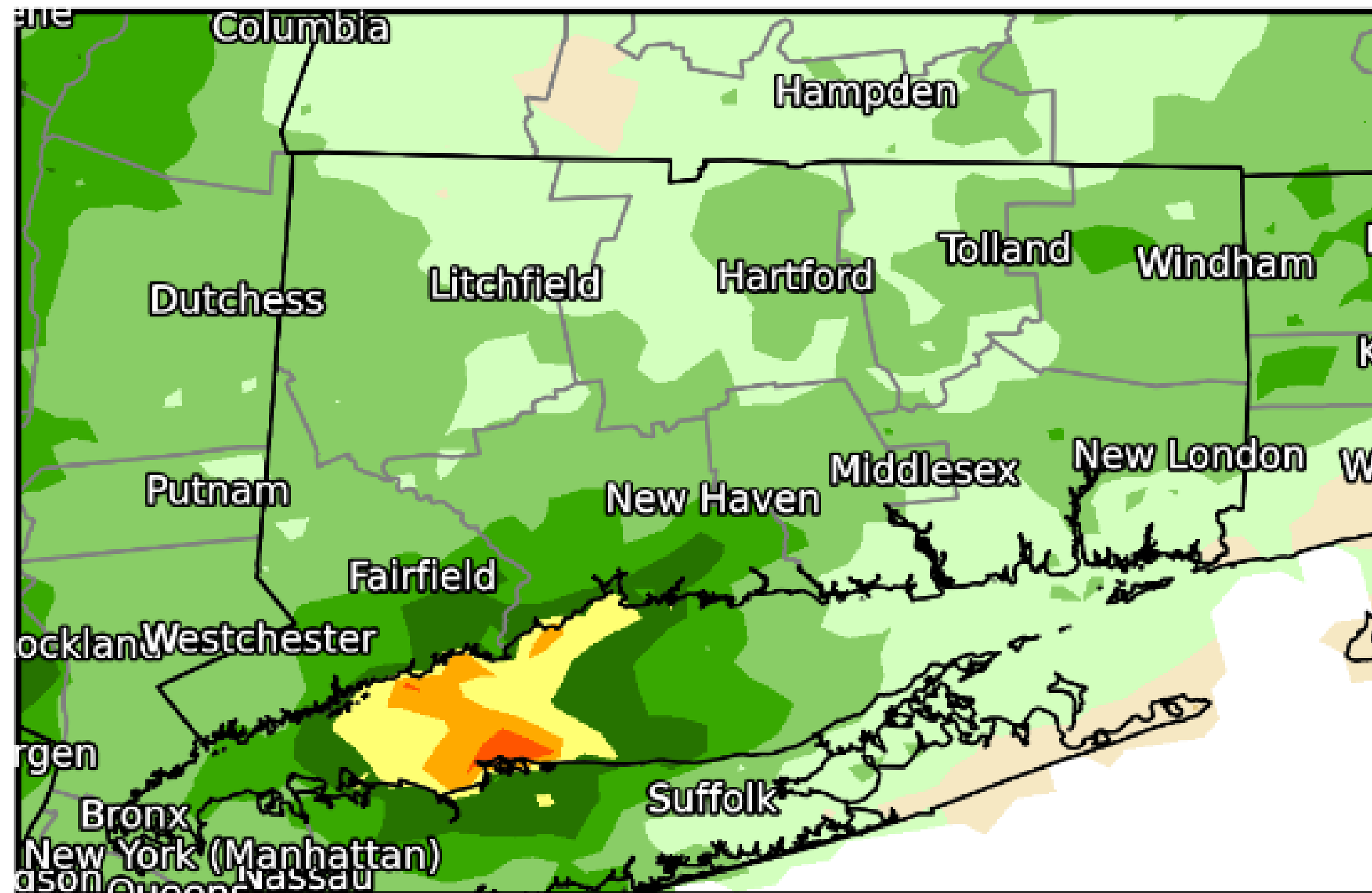
Percent of Normal

60-Day Percent of Normal Precip



Albany, NY
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Precipitation Percent of Normal
November 01, 2023 to December 31, 2023



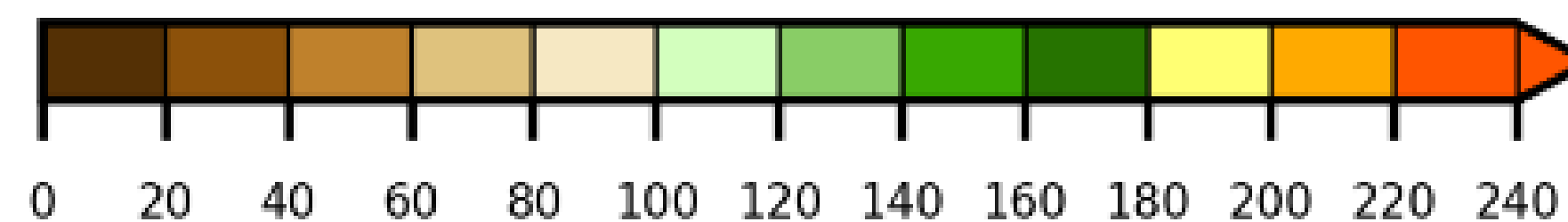
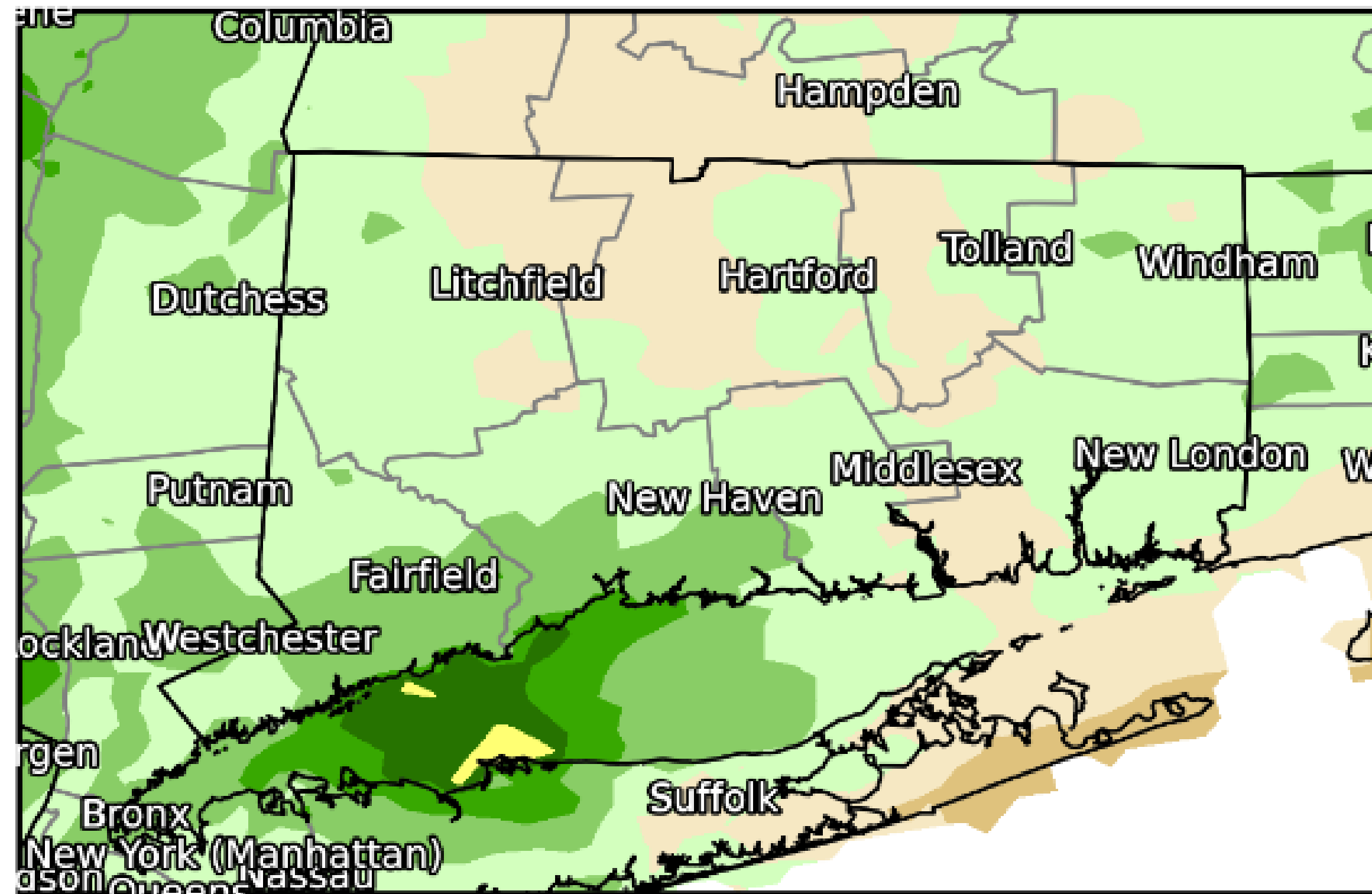
Percent of Normal

90-Day Percent of Normal Precip



Albany, NY
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Precipitation Percent of Normal
October 01, 2023 to December 31, 2023



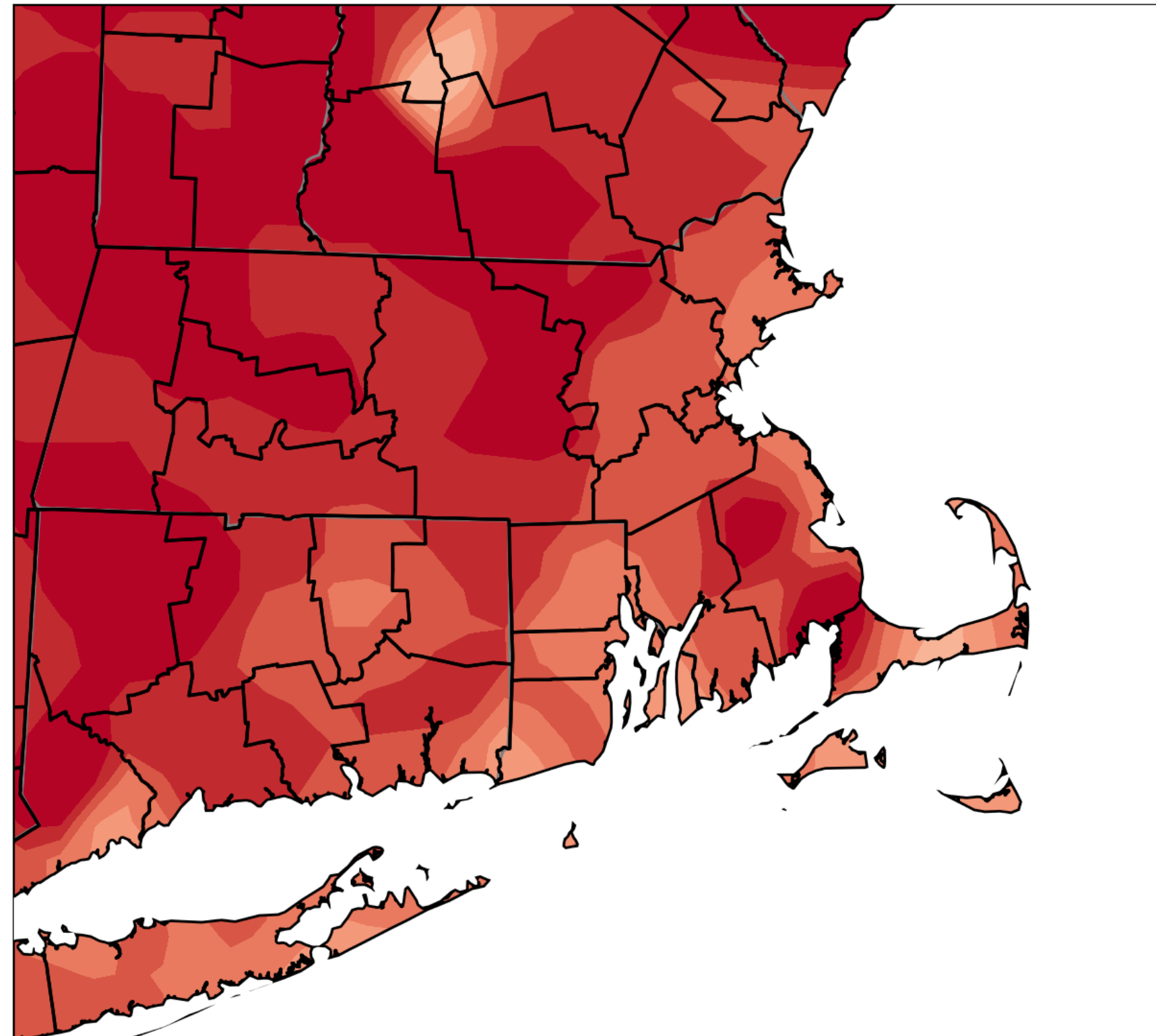
Percent of Normal

January 2024: 30-day Temp Departure

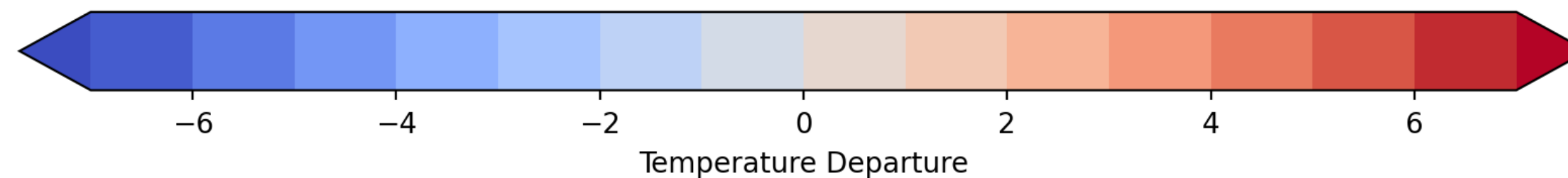


Albany, NY
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30 Day Temperature Departure
Valid December 02 2023 -January 01 2024



CT: 30-Day Temperatures have averaged
6 to 8 degrees above normal



CPC Outlook for January 2024



Albany, NY
WEATHER FORECAST OFFICE

