

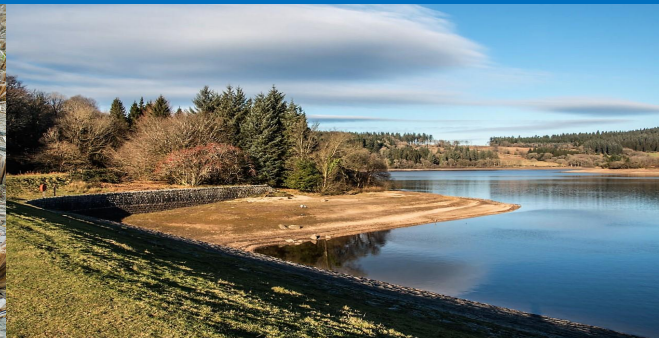
# Drought Information Statement for Wyoming and Livingston Counties

Valid December 14, 2023

Issued By: NWS Buffalo, NY

Contact Information: [bufstorm.report@noaa.gov](mailto:bufstorm.report@noaa.gov)

- This product will be updated by December 21, 2023 or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.





# U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#)

- Drought intensity and Extent
  - D2 (Severe Drought): Eastern Wyoming County and western Livingston County, NY
  - D1 (Moderate Drought): Most of Genesee, Orleans, Monroe, eastern Livingston and western Wyoming Counties
  - D0: (Abnormally Dry): for the Genesee basin and Finger Lakes region

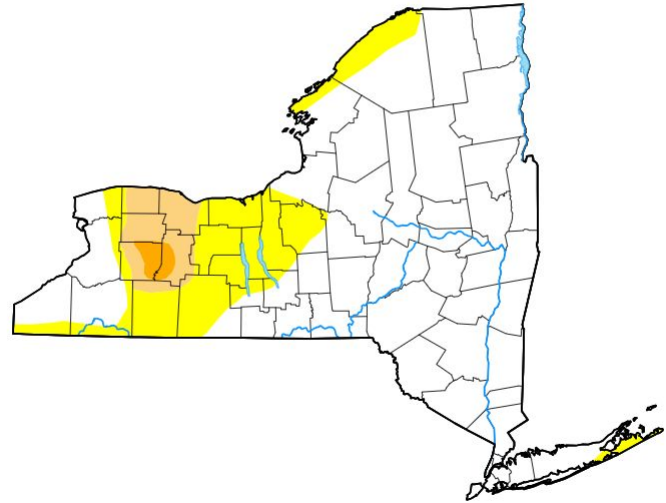


Image Caption: U.S. Drought Monitor valid 7am EST December 12th, 2023.





# Recent Change in Drought Intensity

Link to the latest [4-week change map](#)

- Two Week Drought Monitor Class Change.
  - Drought Improved:
    - for parts of Erie and Niagara counties
    - for a small portion of Jefferson county.
  - Little to no Change: across the remainder of the NWS Buffalo forecast area

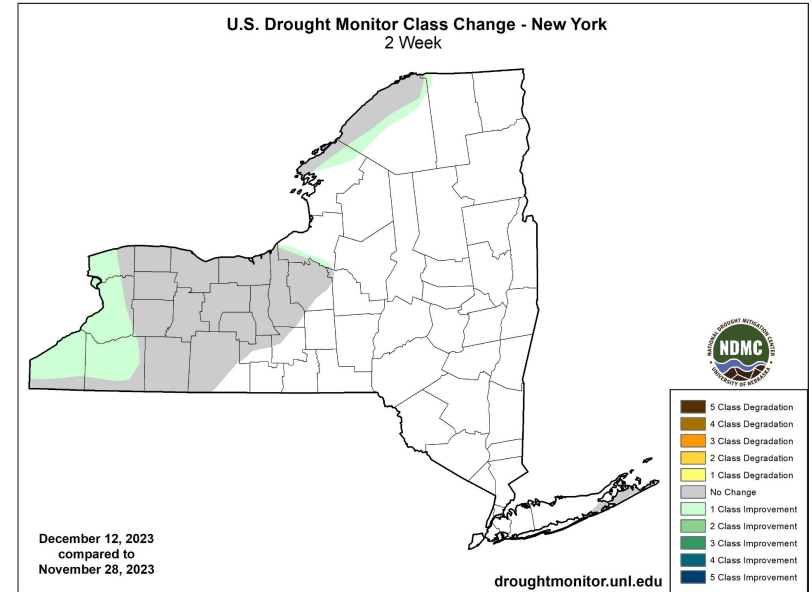


Image Caption: U.S. Drought Monitor 2-week change map valid 7am EST December 12th, 2023.

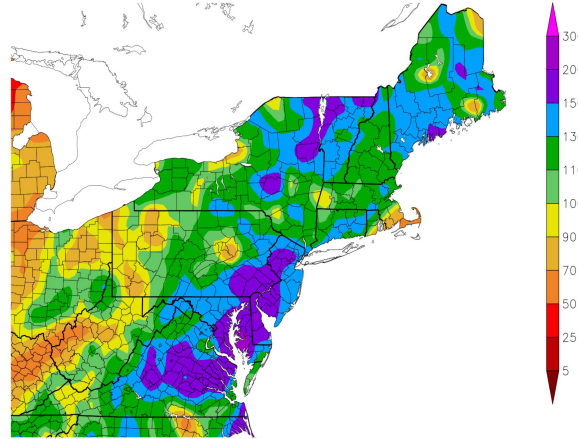




# Precipitation

- Multiple rain events have helped to vastly improve the 30 day precipitation deficits across the Buffalo forecast area.
- However, drought conditions persist due to ground water levels being well below normal

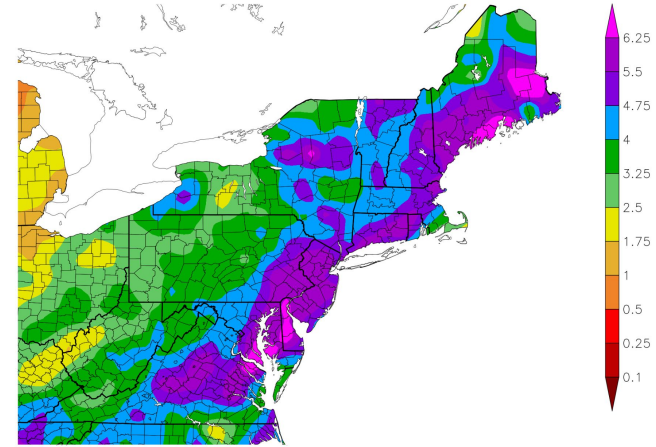
Percent of Normal Precipitation (%)  
11/14/2023 – 12/13/2023



Generated 12/14/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation (in)  
11/14/2023 – 12/13/2023



Generated 12/14/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:  
Left - 30 day Precipitation percent of normal  
Right - 30 day precipitation totals for the NE US  
Data Courtesy Northeast Regional Climate Center.





# Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

## Hydrologic Impacts

- Below normal flows on tributaries in the Genesee basin in the drought area. Below normal well levels.

## Agricultural Impacts

- There are no known impacts at this time

## Fire Hazard Impacts

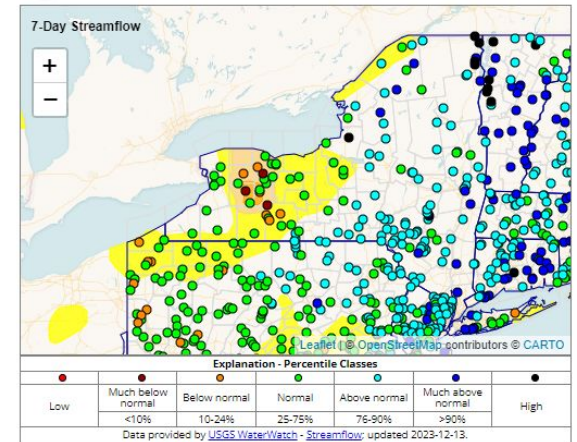
- There are no known impacts at this time

## Other Impacts

- Some water wells have dried up in the most severe drought areas

## Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.

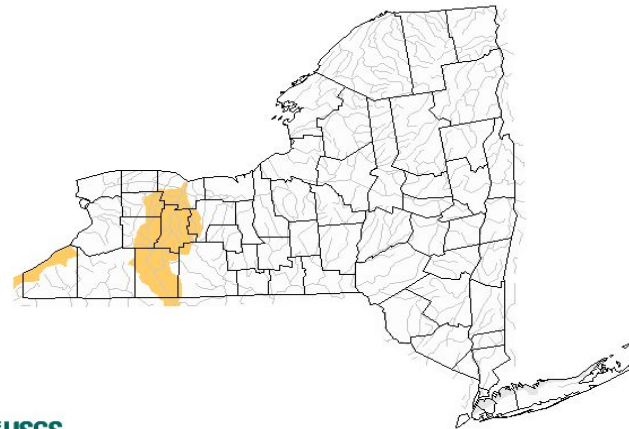




# Hydrologic Conditions and Impacts

Explanation - Percentile classes			
Low	$\leq 5$	6-9	10-24
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal

Wednesday, December 13, 2023



- Below normal 7 day average streamflows observed by the USGS across the Genesee Valley basin

Image Caption: USGS 7 day average streamflow HUC map valid 12/13/2023





# Seven Day Precipitation Forecast

- Light lake effect snow showers south of Lake Ontario will move north then end with minimal accumulation. It will become breezy, especially northeast of the lakes today but dry weather returns
- Dry with above normal temperatures expected Friday into the weekend
- The next chance of precipitation will potential arrive Sunday and last into the new work week with possible significant rainfall

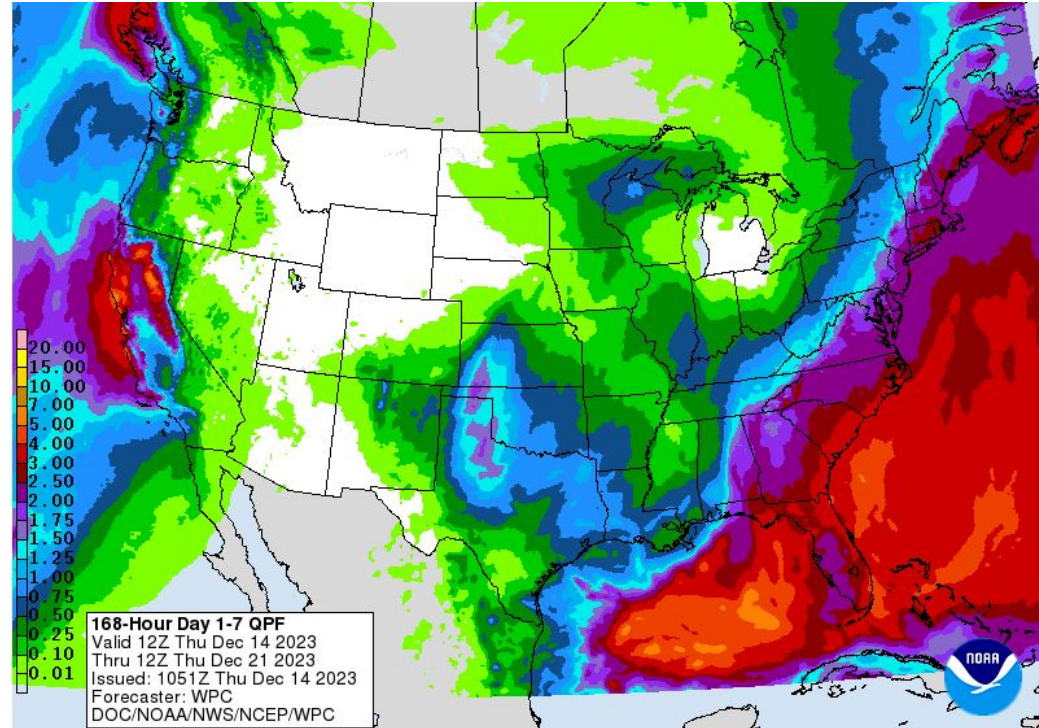


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Thursday December 14 through Thursday December 21





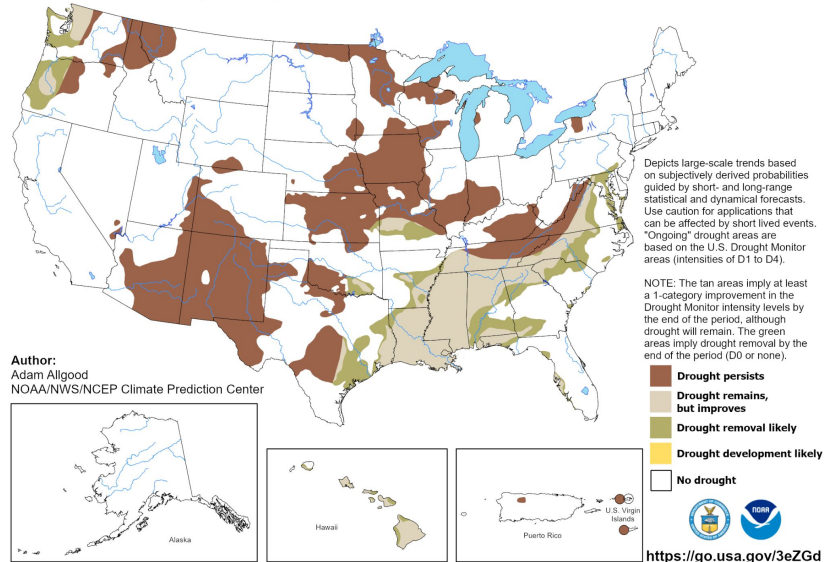
# Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Drought conditions have improved in many locales but persist in the Genesee basin.
- Precipitation Outlook the next 7 days are expected to be near normal depending on the storm system this weekend into next week.

## U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for December 2023  
Released November 30, 2023



Links to the latest:

- [Climate Prediction Center Monthly Drought Outlook](#)
- [Climate Prediction Center Seasonal Drought Outlook](#)

Image Caption:

Climate Prediction Center Monthly Drought Outlook Released November 30, 2023 valid for December 2023

