

# Drought Information Statement for Wyoming and Livingston Counties

Valid October 5, 2023

Issued By: NWS Buffalo, NY

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

- This product will be updated Oct 19, 2023 or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.



National Oceanic and Atmospheric Administration

U.S. Department of Commerce



# U.S. Drought Monitor

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

- Drought intensity and Extent
  - D2 (Severe Drought): Wyoming County, NY
  - D1 (Moderate Drought): Eastern Genesee and Western Livingston Counties
  - D0: (Abnormally Dry): Genesee River and west

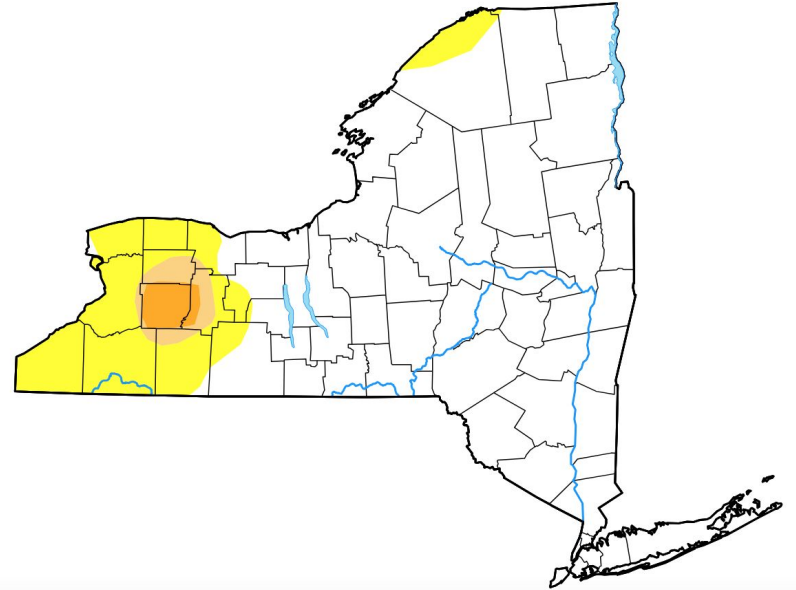


Image Caption: U.S. Drought Monitor valid 8am EDT October 3rd 2023.





# Recent Change in Drought Intensity

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

- One Week Drought Monitor Class Change.
  - Drought Worsened: Wyoming, eastern Genesee and western Livingston counties as well as southern Cattaraugus and Allegany counties.
  - No Change: Across the remainder of the Niagara Frontier and the western Southern Tier.

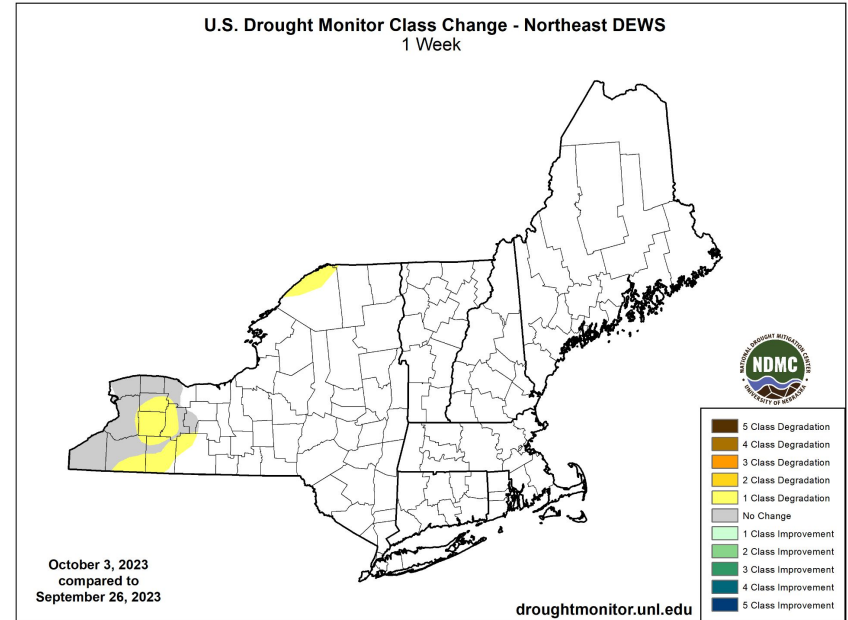


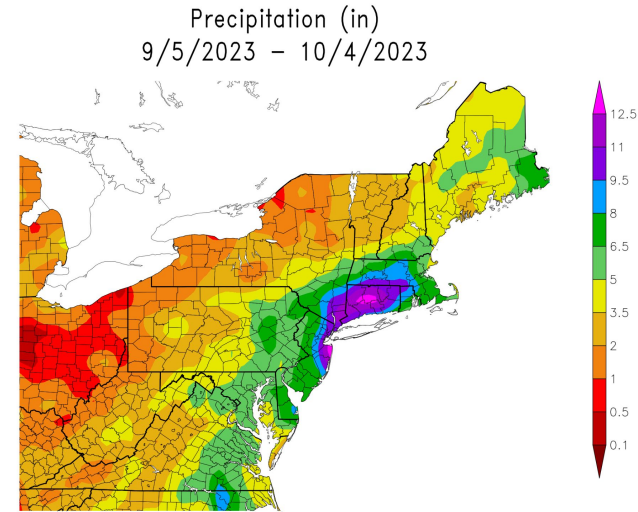
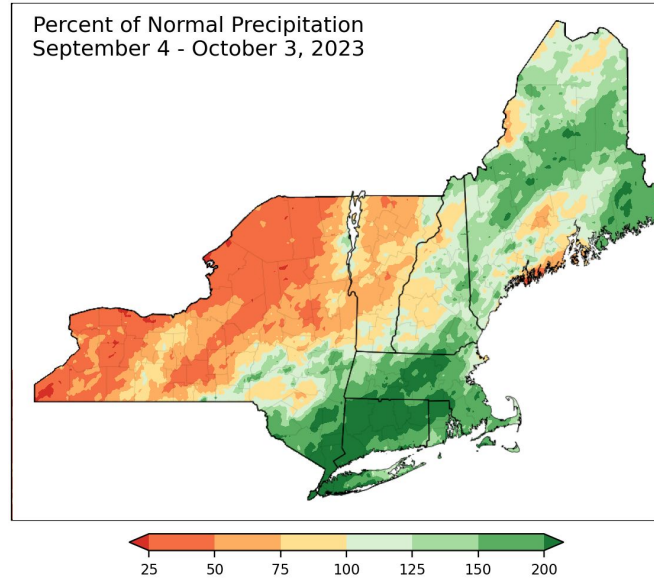
Image Caption: U.S. Drought Monitor 1-week change map valid Oct 3, 2023.





# Precipitation

- Dry conditions persist with most areas of western NY receiving only about 25 to 50 percent of normal precipitation over the last 30 days.



Generated 10/5/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:  
 Left - 30 day Precipitation percent of norma]  
 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

- According to the USGS 7 day streamflows, the main stem Genesee River is running about 10% to 25% of normal, while tributaries to the Genesee River, as well as the main stem Tonawanda Creek are running less than 10 percent of normal flows.

## Agricultural Impacts

- There are no known impacts at this time

## Fire Hazard Impacts

- There are no known impacts at this time

## Other Impacts

- There are no known impacts at this time

## Mitigation Actions

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





# Hydrologic Conditions and Impacts

- Well below normal 7 day average streamflows observed by the USGS across much of western NY.

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

Wednesday, October 04, 2023

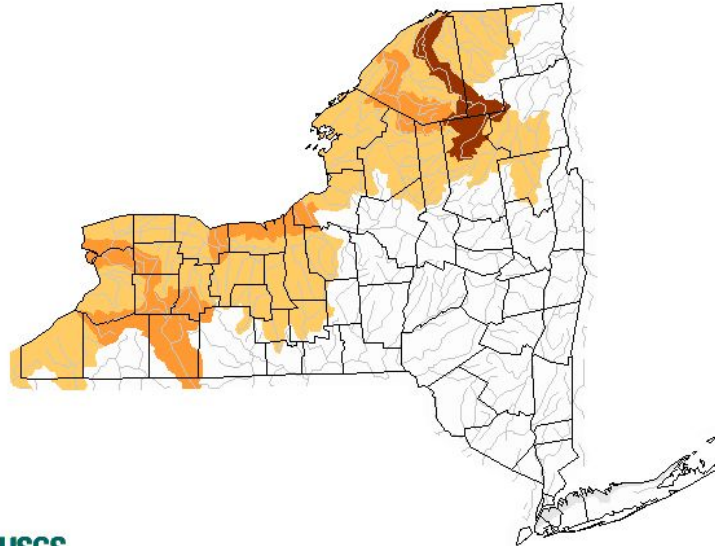


Image Caption: USGS 7 day average streamflow HUC map valid 10/04/2023





# Seven Day Precipitation Forecast

- Warm dry conditions experienced the last few weeks will change drastically this weekend and through most of next week
- A cold front moving through the region on Friday will bring a widespread rainfall for all of western and north central NY, along with a NOTABLE pattern change
- Cool and showery conditions will persist through next week with both lake effect and synoptic rain expected
- Rainfall amounts the next seven days are expected to be between 1.00-1.50 inches for western New York, but locally higher amounts will be possible where areas of lake effect rain bands develop

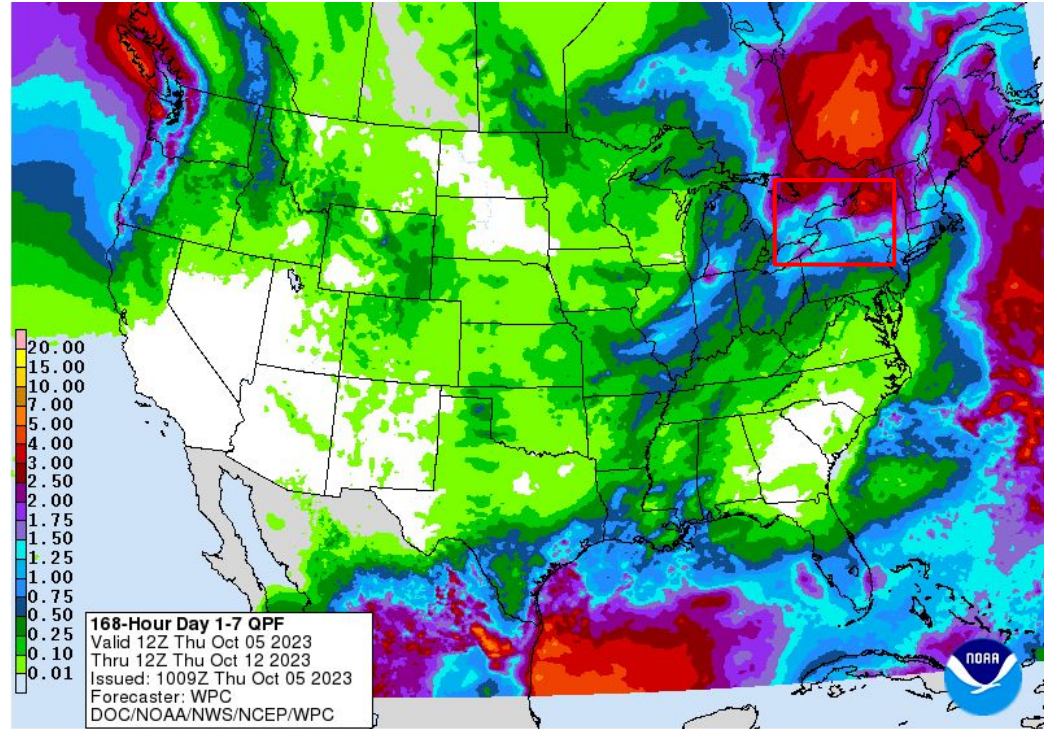


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Thursday October 5 to Thursday October 12





# Drought Outlook

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

- Drought conditions that started to slowly expand in early to mid September will experience some short term relief this weekend into next week. Rainfall amounts of an inch to an inch and a half are expected for the “D2 (Severe Drought)” area over the next seven days.
- Beyond 7 days precipitation amounts are expected to remain near normal, providing limited drought relief

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

Valid for October 2023  
Released September 30, 2023

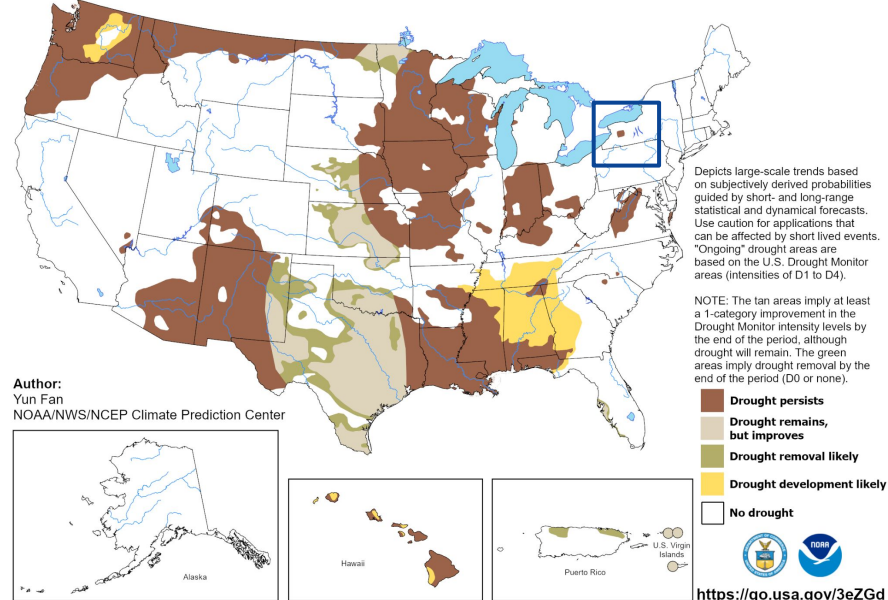


Image Caption:

Climate Prediction Center Monthly Drought Outlook Released  
September 30, 2023 valid for October 2023

Links to the latest:

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

