



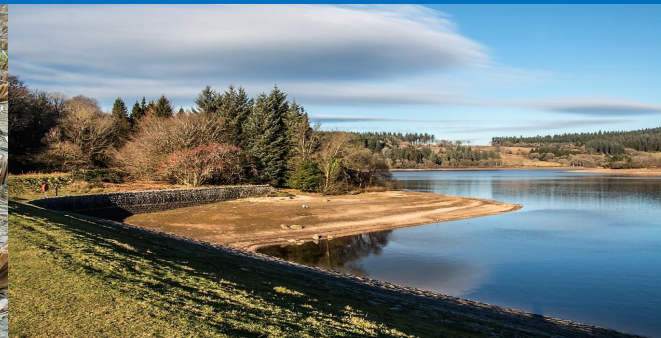
Drought Information Statement for Wyoming, Genesee, and Livingston Counties

Valid January 11, 2024

Issued By: NWS Buffalo, NY

Contact Information: bufstorm.report@noaa.gov

- This product will be updated by January 19, 2024 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](#)

U.S. Drought Monitor Buffalo, NY WFO

January 9, 2024
(Released Thursday, Jan. 11, 2024)
Valid 7 a.m. EST

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

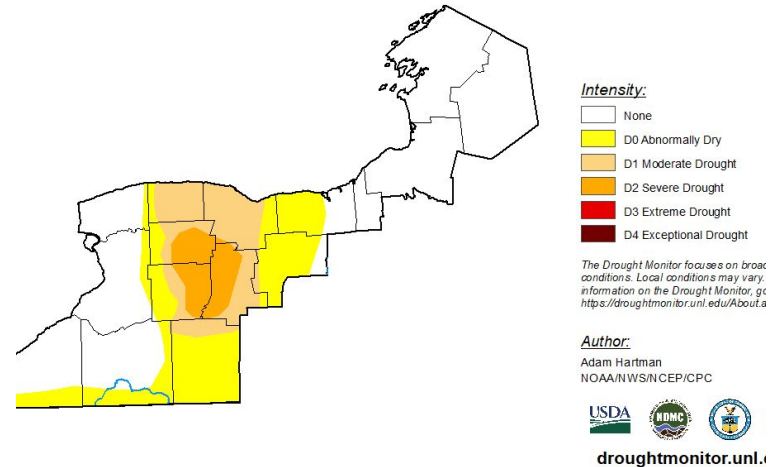


Image Caption: U.S. Drought Monitor valid 7am EST January 9th, 2024.





Recent Change in Drought Intensity

Link to the latest [2-week change map](#)

- Two Week Drought Monitor Class Change.
 - Drought Improved:
 - for western Genesee and Wyoming counties
 - Little to no Change: across the remainder of the NWS Buffalo forecast area

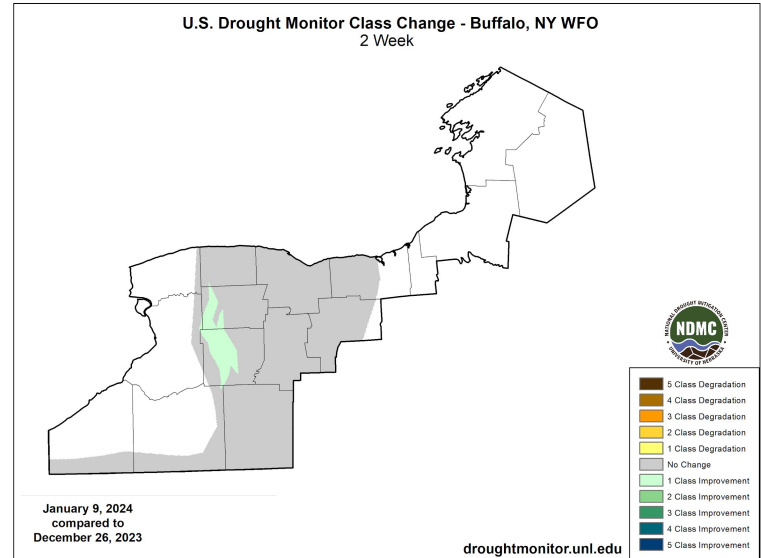


Image Caption: U.S. Drought Monitor 2-week change map valid 7am EST January 9th, 2024.

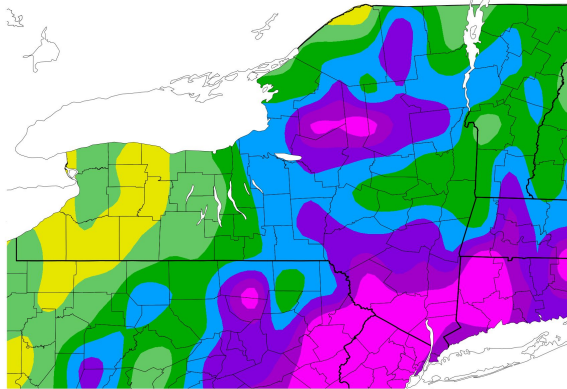




Precipitation

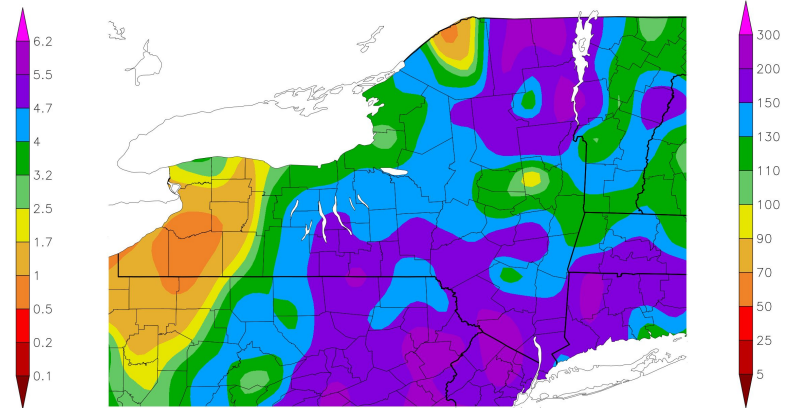
- Rainfall on Jan 9th and 10th helped drought conditions a bit across western Genesee and Wyoming Counties.
- However, 30 day totals have been near to slightly below normal in the driest locations, offering only limited drought relief

Precipitation (in)
12/12/2023 – 1/10/2024



Generated 1/11/2024 at HPRCC using provisional data.

Percent of Normal Precipitation (%)
12/12/2023 – 1/10/2024



NOAA Regional Climate Center Generated 1/11/2024 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 7-day flows on the western Genesee River Tributaries and the Tonawanda Creek.
Below normal groundwater well levels across eastern Wyoming and western Livingston Counties.

Agricultural Impacts

- There are no known impacts at this time

Fire Hazard Impacts

- There are no known impacts at this time

Other Impacts

- Some private 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

- Below normal 7 day average streamflows observed by the USGS across the Genesee River tributaries west of the Genesee River

https://waterwatch.usgs.gov/index.php?r=ny&id=ww_drought

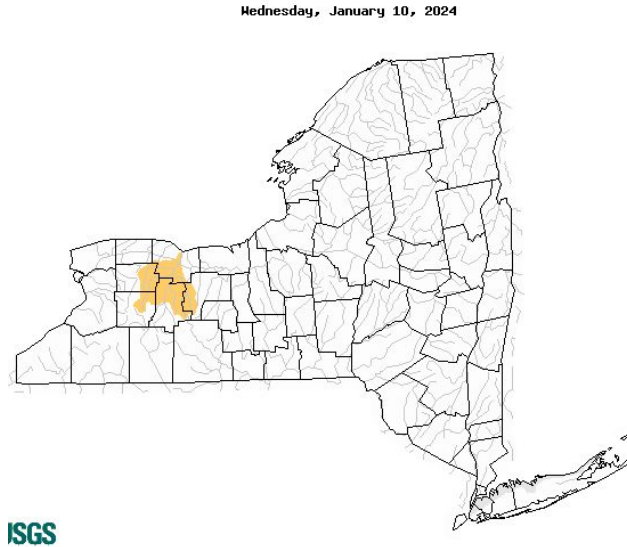


Image Caption: USGS 7 day average streamflow HUC map valid 1/10/2024





Seven Day Precipitation Forecast

- Rainfall from Jan 9th and 10th may provide some drought relief, which will be accounted for in next week's Drought Monitor
- Lake effect snow will set up Saturday evening east of Lake Erie, and persist into the middle of next week. This should help with precipitation deficits across some of the areas hit hardest by drought conditions
- Cold temperatures throughout next week, however, will prevent melting of this snow and the recharging of the water table through at least the next week.

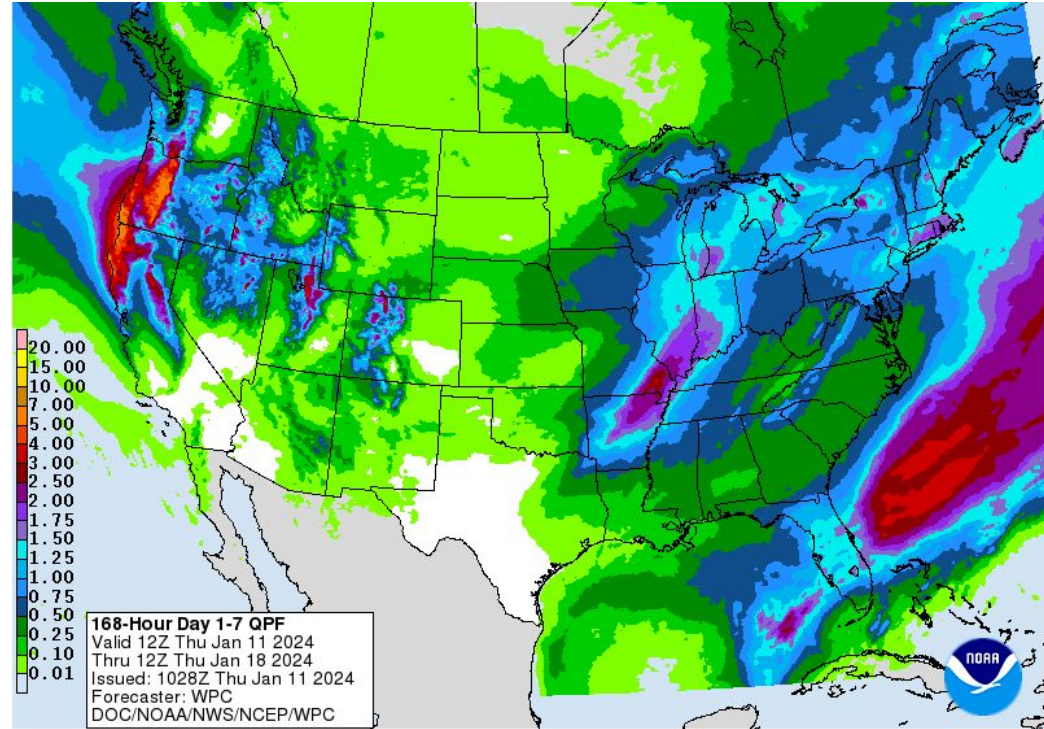


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Thursday January 11th through Thursday January 18th



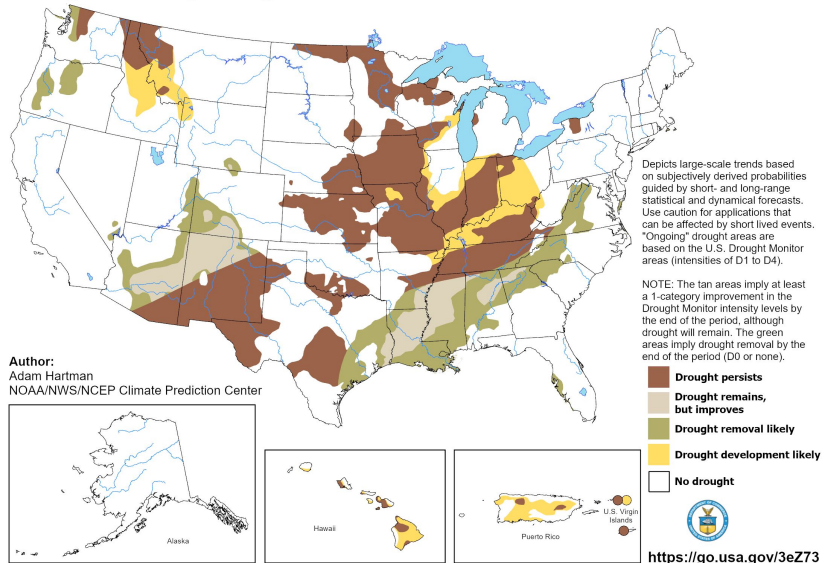
Drought Outlook

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

- The 6 to 10 day precipitation outlook slightly favors below normal precipitation Jan 16 - 20 for areas not impacted by the lake effect snow.
- Longer range outlooks do not show any strong indication of any improvement

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for December 21, 2023 - March 31, 2024
Released December 21, 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 December 21, 2023 valid through March 2024

