

Hydrologic Conditions – June 2024

The Hydrologic Conditions Mapper for New York State has been updated for the month of June 2024 and can be accessed at:

<http://ny.water.usgs.gov/projects/eom/>

During June, monthly precipitation totals averaged 4.4 inches, and about normal quantities across the State. The highest precipitation amount (7.0 inches) and largest positive departure from normal quantities (2.6 inches) were recorded in Lewis County. The lowest precipitation amount (1.7 inches) and largest negative departure from normal quantities (-2.4 inches) were recorded in New York City.

Of the 32 index streamflow sites, 25 recorded normal levels, 3 recorded wet levels, 4 recorded dry levels, and none recorded very dry levels during June.

The New York State Department of Environmental Conservation (NYSDEC) reported that all drought regions in New York State were in normal status at the end of June.

Average lake levels of Lake Ontario during June were about 0.4 feet below long-term monthly average water levels (<https://www.glerl.noaa.gov/data/wlevels/>).

New York City reservoirs were collectively at about 88.7 percent of capacity at the end of the month; about 5.1 percent less than the normal storage capacity of about 93.8 percent (<https://www1.nyc.gov/site/dep/water/reservoir-levels.page>).

To address the discontinuation of the nationwide USGS Groundwater Watch application, the New York Water Science Center has developed a New York Groundwater Watch application that can be accessed at <https://rconnect.usgs.gov/content/99cc8726-7baa-45af-a5bd-bced25ff82db/>. Monthly groundwater data from June 2024 indicates that water level observations throughout New York were mostly normal, but they varied from low (less than the 5th percentile) to high (greater than or equal to the 95th percentile). The areas with the most below normal water level observations were western and southeastern New York, while Long Island had the most above normal water level observations. An effort to provide monthly groundwater conditions on the Hydrologic Conditions Mapper is still in progress.

Exceedance percentages shown on the Hydrologic Conditions Mapper are calculated for individual USGS sites. This information, along with additional information from other Federal, State, and local agencies, assists the NYSDEC and the State Drought Management Task Force with evaluating regional conditions for determination of drought classifications.

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