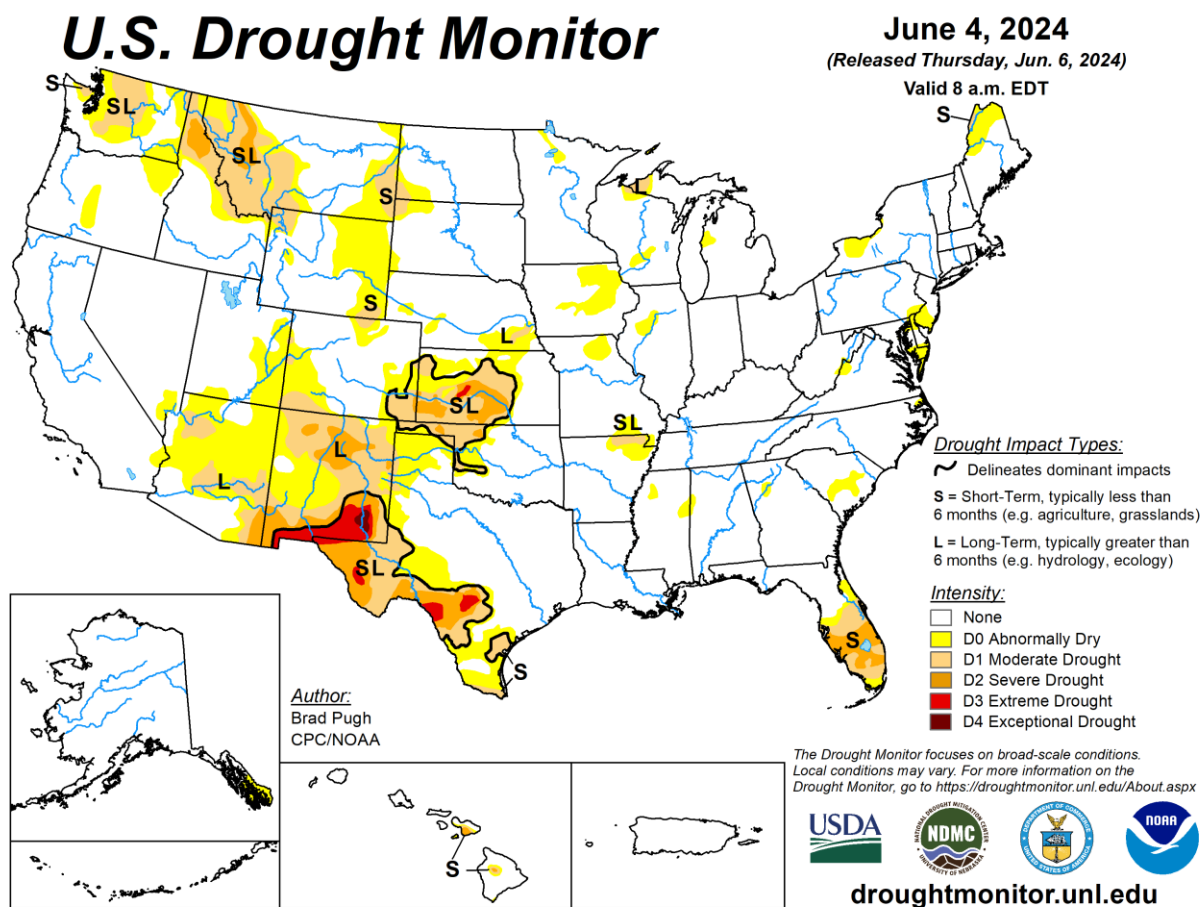


Regional Drought and Water Supply Status

June 2024

Summary of Current Conditions in the COG Region – As of June 7, 2024

Currently, the COG region is free of drought and long-term forecasts predict a continuation of this drought-free status as we approach the summer months. Streamflow, precipitation, groundwater, and levels are slightly below normal for this time of year. The drought stage as defined in COG's [Metropolitan Washington Water Supply and Drought Awareness Response Plan](#) is normal and the areas monitored in the COG region by the Maryland Department of the Environment and the Virginia Department of Environmental Quality are under a normal status as well. Please visit COG's Water Supply and Drought Website at www.mwcog.org/drought for additional information.



Potomac Streamflow – Below median levels

Instantaneous flows readings:

Little Falls: 4,440 cfs (median 7,380 cfs) Source: as of June 7 [USGS Little Falls](#)
 Point of Rocks: 4,050 cfs (median 6,150 cfs) Source: as of June 7 [USGS Point of Rocks](#)

30, 90, and 365 Day Observed Precipitation Levels and Departures from Average

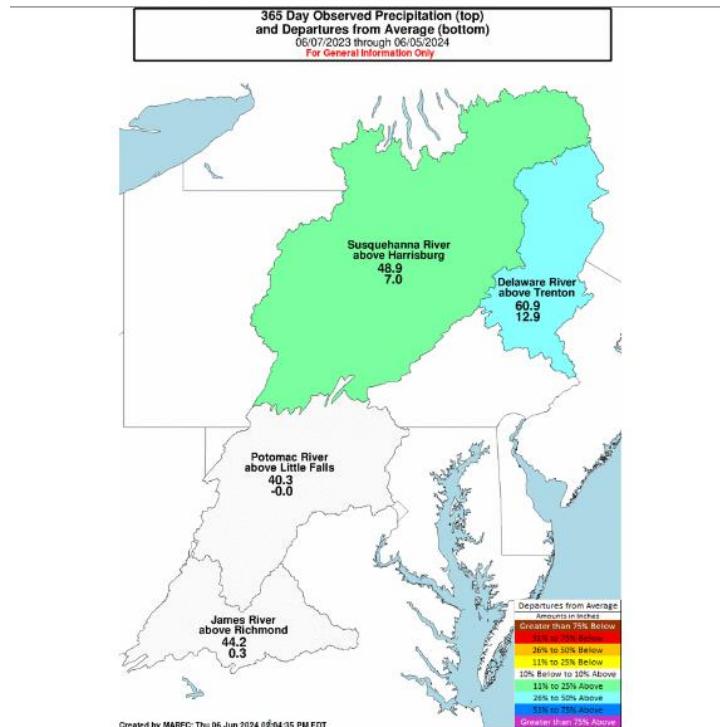
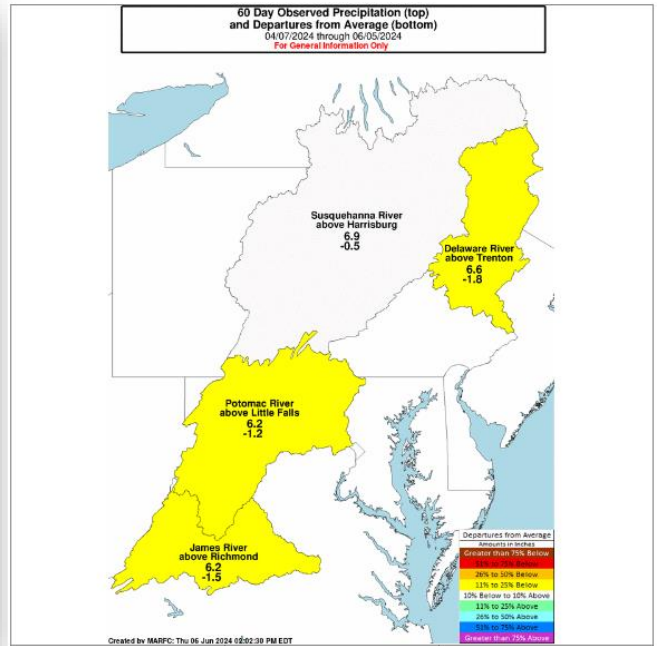
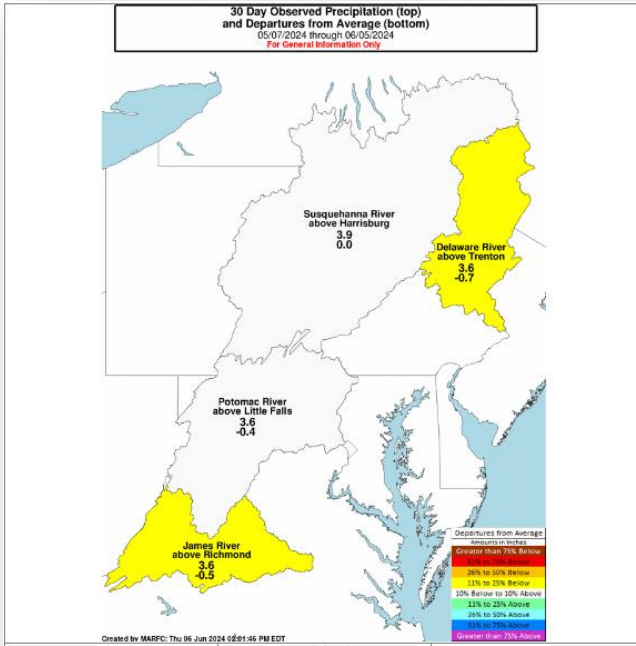
The Potomac Basin received:

30 Day 3.6 inches of precipitation, 0.4 inches above or below normal

90 Day 6.2 inches, 1.2 inches below normal

365 Day 40.3 inches, at normal levels

Source: [Middle Atlantic River Forecast Center](#)



Groundwater Levels – Normal

In the COG region, groundwater levels are normal to below normal.

Source: <https://dashboard.waterdata.usgs.gov/app/nwd/?region=lower48&aoi=default>
<https://waterdata.usgs.gov/va/nwis/current/?type=gw>
<https://waterdata.usgs.gov/md/nwis/current/?type=gw>

Reservoir Levels - Normal

Drinking water reservoirs at Jennings Randolph and Little Seneca are currently near normal levels.

Source: <http://www.nab-wc.usace.army.mil/nab/potopub.html>

Probability of Reservoir Releases – Below Normal

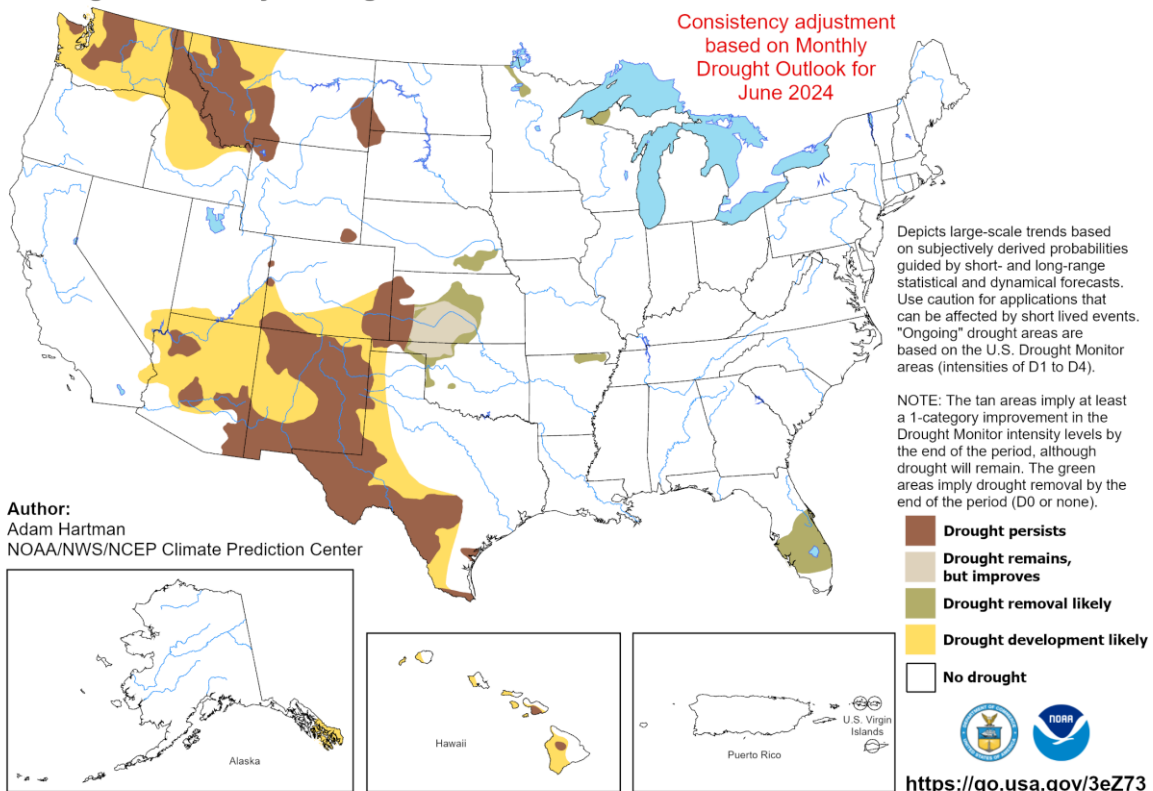
As of the June 2024 report, there is a below normal probability of releases from the Washington metropolitan area's back-up water supply reservoirs for the 2024 summer and fall seasons. Generally, the use of Jennings Randolph and Little Seneca reservoirs is triggered by low flows brought about by a combination of low precipitation and low groundwater levels. There is a **5 to 11** percent conditional probability that natural Potomac flow will drop below 600 to 700 million gallons per day (MGD) at Little Falls through December 31 of this year. Source: [ICPRB](#)

Seasonal Drought Outlook – No Drought Predicted

The U.S. Seasonal Drought Outlook predicts no drought for the next three months in the COG region. Source: [National Weather Service Climate Prediction Center](#)

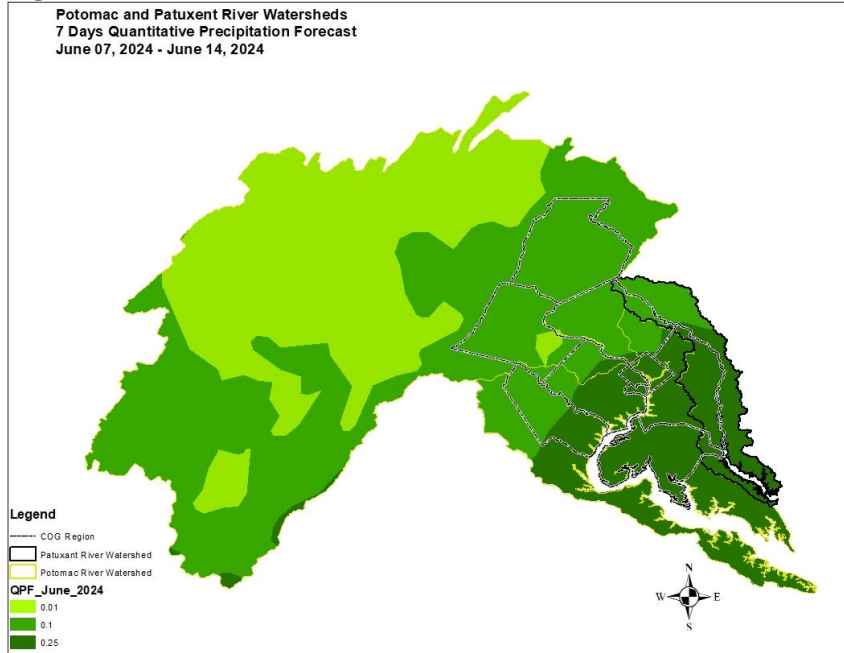
U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for June 1 - August 31, 2024
Released May 31, 2024



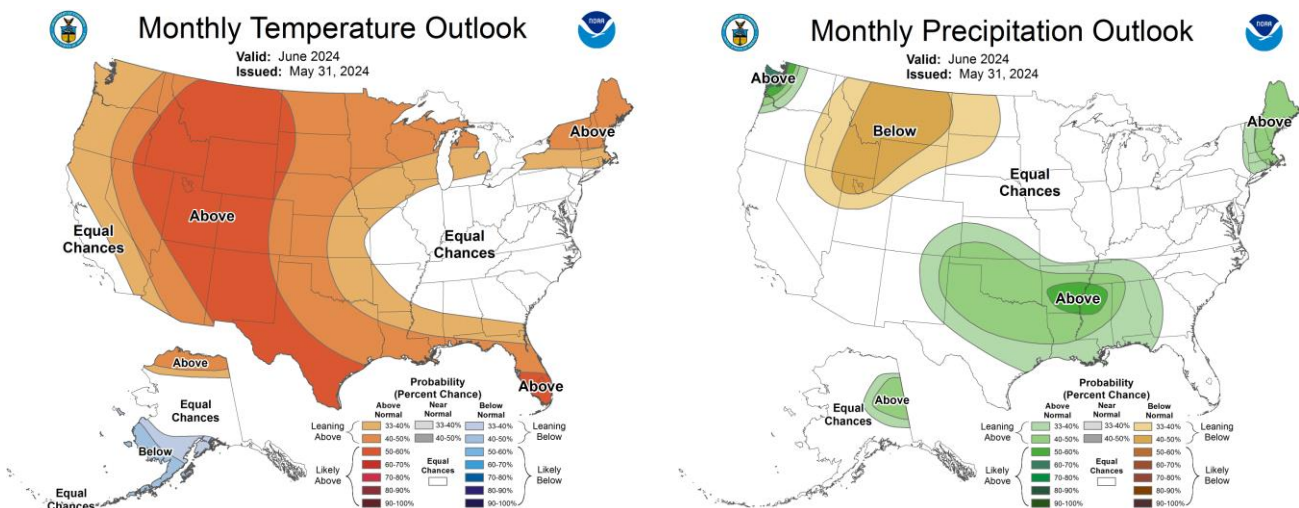
Short Term Precipitation Outlook

The 7 Day quantitative precipitation forecast calls for roughly 0.10 – 0.25 inches of rain in the COG region.



Source: [NOAA NWS Weather Prediction Center](https://www.noaa.gov) and COG

U.S. Climate Outlook for May – Normal Temperature and Precipitation



For more details on how to interpret these maps [Understanding NOAA's monthly climate outlooks](https://www.noaa.gov). Map by NOAA Climate.gov, based on data from the Climate Prediction Center.