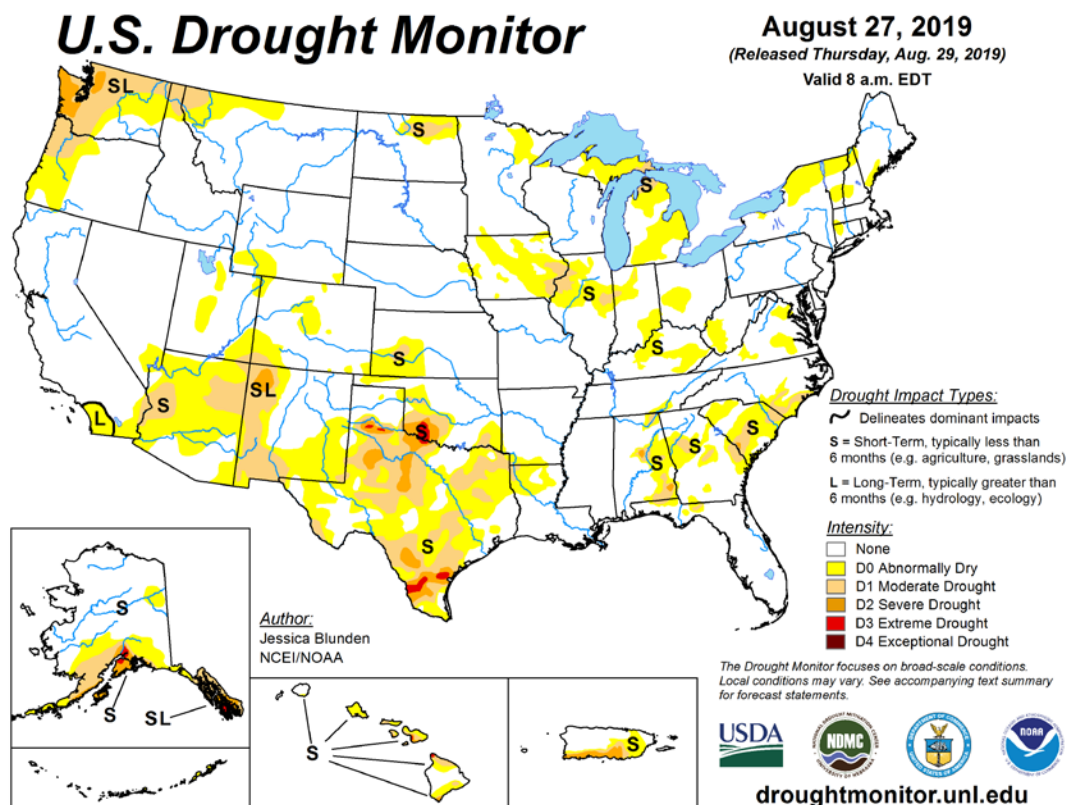


Regional Drought and Water Supply Status August 2019

SUMMARY OF CONDITIONS (as of August 29, 2019)

- Abnormal drought (D0) exists in Arlington, Fairfax, Prince William, and Charles counties with a small portion in Prince George's. The remaining areas of the COG region are drought free.
- In [Maryland \(MDE\)](#) and [Virginia \(VADEQ\)](#) all COG regions are under a normal status.
- Potomac streamflow, groundwater, and precipitation levels are near normal, and local reservoirs are full.
- There is a [below normal probability of releases](#) from the metropolitan Washington area's back-up water supply reservoirs for the 2019 summer and fall seasons.
- Short term forecasts call for normal precipitation and temperature levels.
- For additional information regarding regional water supply and drought conditions, please visit COG's website at: <https://www.mwcog.org/drought>



The August 27, 2019 U.S. Drought monitor indicates that some abnormal drought (D0) exists in Arlington, Fairfax, Prince William, and Charles counties with a small portion in Prince George's. The remaining areas of the COG region are drought free.

Source: NOAA <http://droughtmonitor.unl.edu/>

POTOMAC STREAMFLOW LEVELS

Potomac streamflows are currently above median levels.

Instantaneous flows readings on August 29 were:

Little Falls –4,360 cfs/median 2,470 cfs

Point of Rocks –3,300 cfs/median 2,400 cfs

Source: USGS Little Falls: <https://waterdata.usgs.gov/md/nwis/uv?01646500>

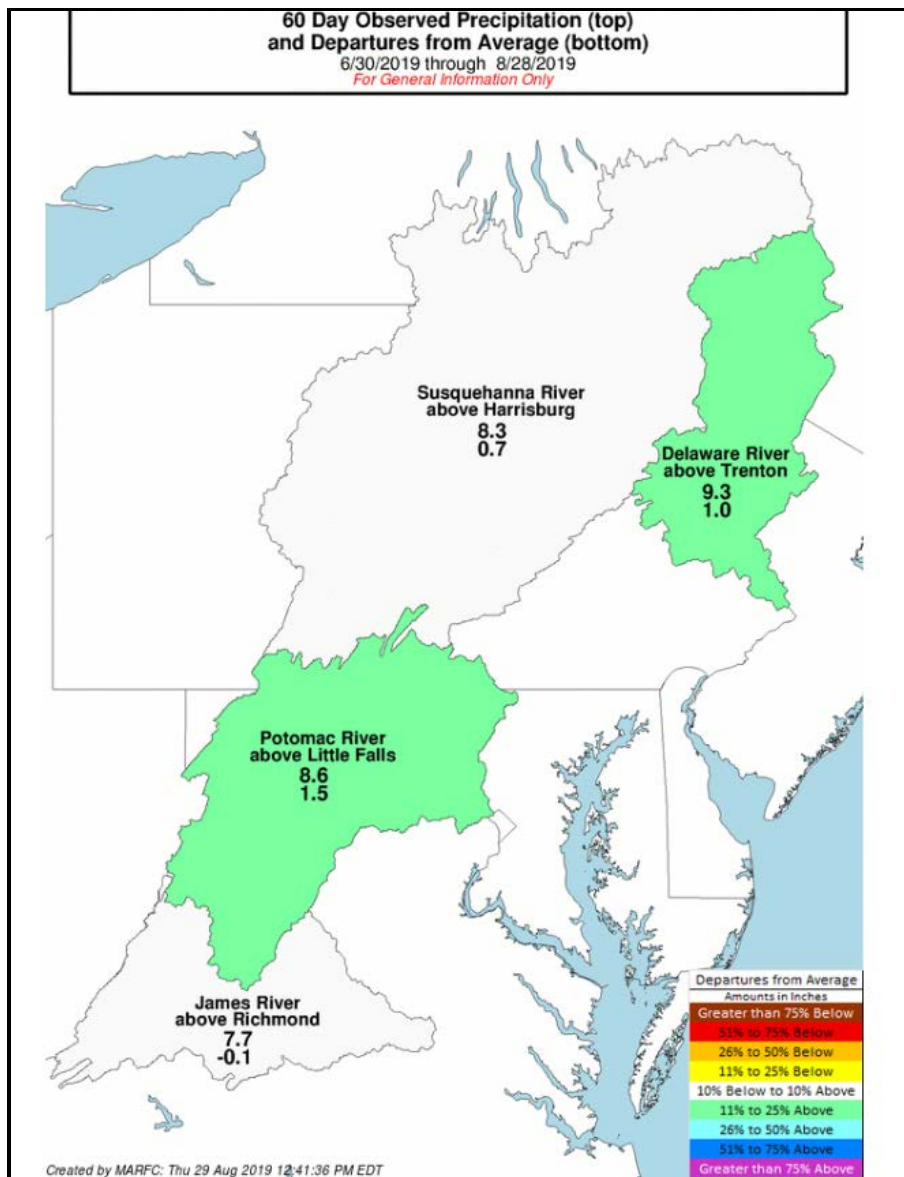
Source: USGS Point of Rocks: <https://waterdata.usgs.gov/md/nwis/uv?01638500>

POTOMAC BASIN PRECIPITATION (as of 08/28/19)

The Potomac Basin received 8.6 inches in the last 60 days which is 11% to 25% above average.

Source: Middle Atlantic River Forecast Center

<https://www.weather.gov/marfc/BasinPrecipitation60Day>



GROUNDWATER LEVELS

Groundwater levels are near normal for this time of year.

Source: USGS

https://md.water.usgs.gov/groundwater/web_wells/current/water_table/counties/index.html

<https://groundwaterwatch.usgs.gov/NetMapT1L2.asp?ncd=crn&sc=51>

https://www.weather.gov/marfc/wro_south

DROUGHT, PRECIPITATION, AND TEMPERATURE OUTLOOKS

The latest U.S. Seasonal Outlook indicates that drought development is not likely in the COG region over the next three months. The weather outlook into September calls for above average rainfall and near normal temperatures. The National Weather Service Climate Prediction Center's thirty day outlook for September calls for near average rainfall and above normal temperatures. Source: NOAA

http://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.php

<https://www.cpc.ncep.noaa.gov/products/predictions/30day/>

RESERVOIR LEVELS

Drinking water reservoirs at Jennings Randolph and Little Seneca are full.

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

There is a below normal probability of releases from the Washington metropolitan area's back-up water supply reservoirs for the 2019 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 summer precipitation and low groundwater levels. There is a minimal (<1 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

<https://www.potomacriver.org/focus-areas/water-resources-and-drinking-water/cooperative-water-supply-operations-on-the-potomac/drought-monitoring-and-operations/water-supply-outlook-status/>

7 DAY PRECIPITATION FORECAST (as of August 29)

The 7 Day quantitative precipitation forecast calls some rain in the western portion of the Potomac River Basin but dry conditions across the COG region.

Source: COG and NOAA: <http://www.wpc.ncep.noaa.gov/qpf/day1-7.shtml>

