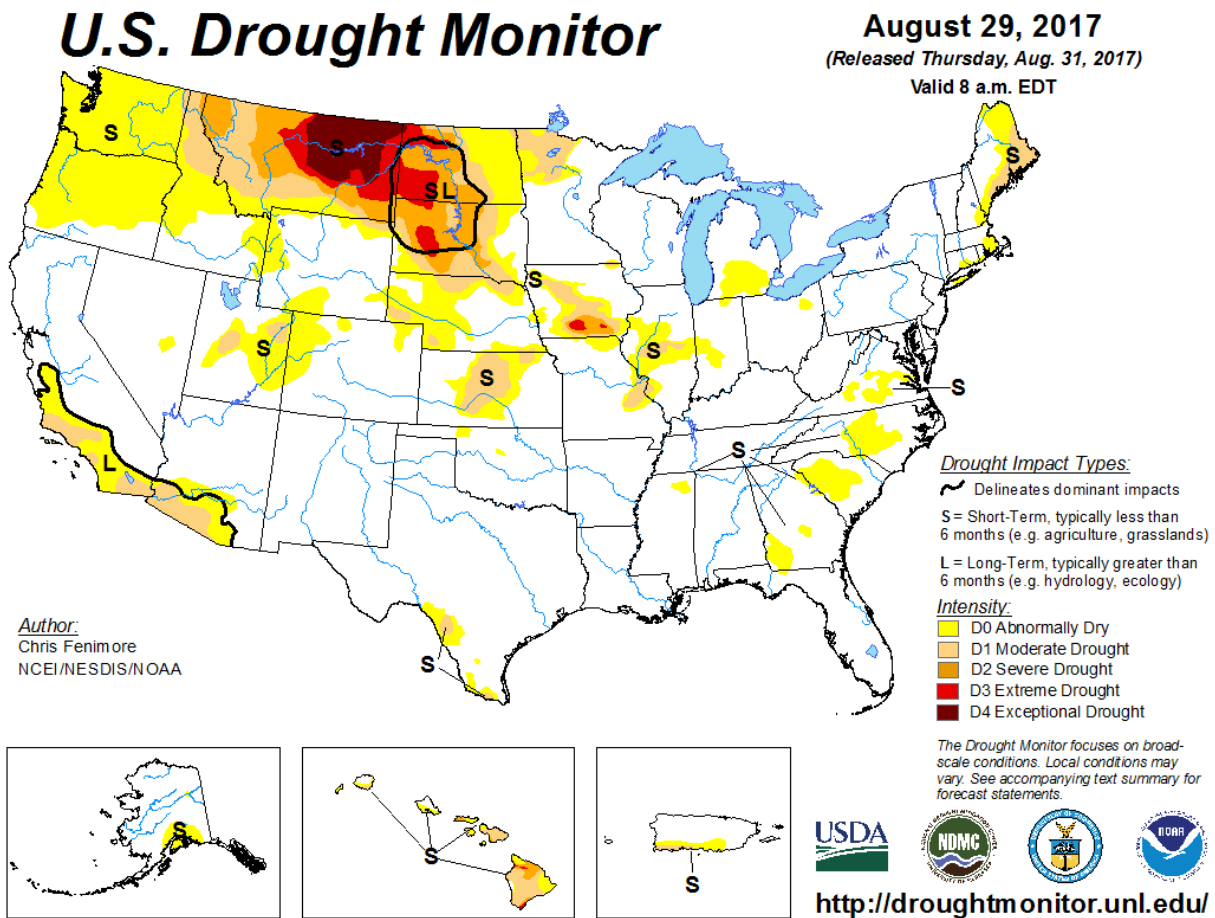


Regional Drought and Water Supply Status and Outlook September 2017

SUMMARY OF CONDITIONS

The COG region received a below average amount of rain in the past 30 days but continues to be drought free. Since the start of the calendar year, dry conditions have improved significantly. Local reservoirs are full, regional groundwater and stream flows are currently near or above median levels, and drought status conditions in Maryland and northern Virginia are normal.

In [Maryland](#), the Central region and Eastern regions are now under a normal status. In [Virginia](#), the Drought Watch Advisory previously issued for the Northern Virginia drought evaluation region has been lifted.



The August 29, 2017 U.S. Drought monitor indicates that the COG region is currently free of drought.
 Source: <http://droughtmonitor.unl.edu/>

POTOMAC STREAMFLOW LEVELS

Potomac streamflows are currently above median levels. Instantaneous flows readings on September 5, 2017 are indicated below:

Little Falls – 2,400 cfs/median 2,100 cfs Point of Rocks 2,350 cfs/ median 2,290 cfs

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

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

POTOMAC BASIN PRECIPITATION

The Potomac Basin received 2.8 inches in the last thirty days (from 8/6 – 9/4) which is 0.6 inches or 11-25% below normal. Source: Middle Atlantic River Forecast Center

http://www.weather.gov/images/marfc/departures/dep_basins.30.png

GROUNDWATER LEVELS

Groundwater levels vary throughout the Potomac Basin from much below normal to above normal, although many are reporting normal levels. 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>

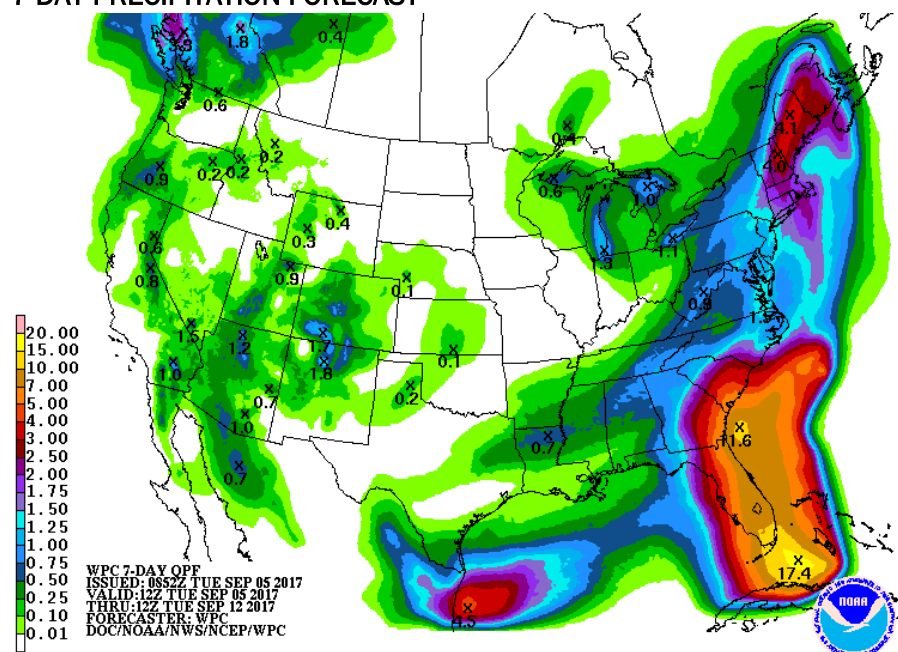
<https://pa.water.usgs.gov/potomac/new/>

DROUGHT OUTLOOKS

The latest U.S. Seasonal Drought outlook indicates that our region should not experience drought conditions over the next few months.

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

7 DAY PRECIPITATION FORECAST



The 7 Day quantitative precipitation forecast calls for roughly 1.0 inch of precipitation. Note the prediction of significant rainfall near Florida and the south east coast due to hurricane Irma.

Source: National Weather Service, Weather Prediction Center
<http://www.wpc.ncep.noaa.gov/qpf/day1-7.shtml>

RESERVOIR LEVELS

Drinking water reservoirs at Jennings Randolph and Little Seneca are currently 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 2017 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) to 4 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/>

For additional information regarding regional water supply and drought conditions, please visit COG's website at: <https://www.mwcog.org/drought>