

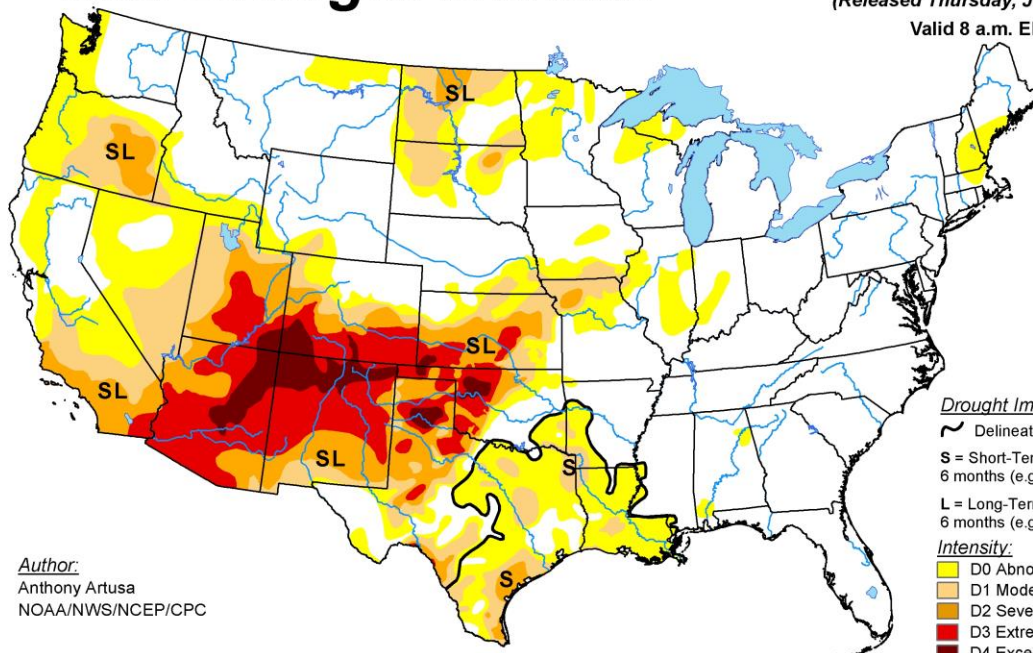
Regional Drought and Water Supply Status June 2018

SUMMARY OF CONDITIONS

- The current U.S. Drought monitor indicates that the COG region is drought free.
- Potomac streamflow levels are above normal and local reservoirs are full.
- Many groundwater wells are reporting normal levels and precipitation are above normal.
- In [Maryland-MDE](#), all regions are under a normal status.
- In [Virginia-VADEQ](#), the drought watch advisory for the Northern Virginia drought evaluation region has been lifted.
- For additional information regarding regional water supply and drought conditions, please visit COG's website at: <https://www.mwcog.org/drought>

U.S. Drought Monitor

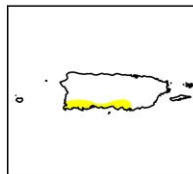
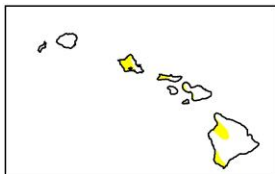
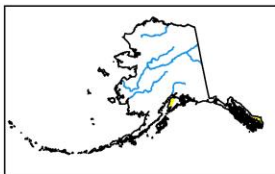
June 5, 2018
(Released Thursday, Jun. 7, 2018)
Valid 8 a.m. EDT



Author:
Anthony Artusa
NOAA/NWS/NCEP/CPC

Drought Impact Types:
 Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)
Intensity:
 D0 Abnormally Dry
 D1 Moderate Drought
 D2 Severe Drought
 D3 Extreme Drought
 D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



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

The June 5th U.S. Drought monitor indicates that the COG region is free of drought. Source: NOAA <https://www.weather.gov/lwx/drought> and <http://droughtmonitor.unl.edu/>

POTOMAC STREAMFLOW LEVELS

Potomac streamflows are currently above median levels. Instantaneous flows readings on June 11, 2018 are noted below:

Little Falls – 22,500 cfs/median 6,750 cfs Point of Rocks 17,800 cfs/ median 6,110 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 (as of 06/11/18)

The Potomac Basin received 13.4 inches in the last sixty days which is 5.9 inches or 75% above normal. Source: Middle Atlantic River Forecast Center

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

GROUNDWATER LEVELS

Groundwater levels vary throughout the Potomac Basin but 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 and Monthly Drought Outlooks indicate that there is no tendency for drought in the COG region over the next three months. Source: NOAA

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

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

RESERVOIR LEVELS

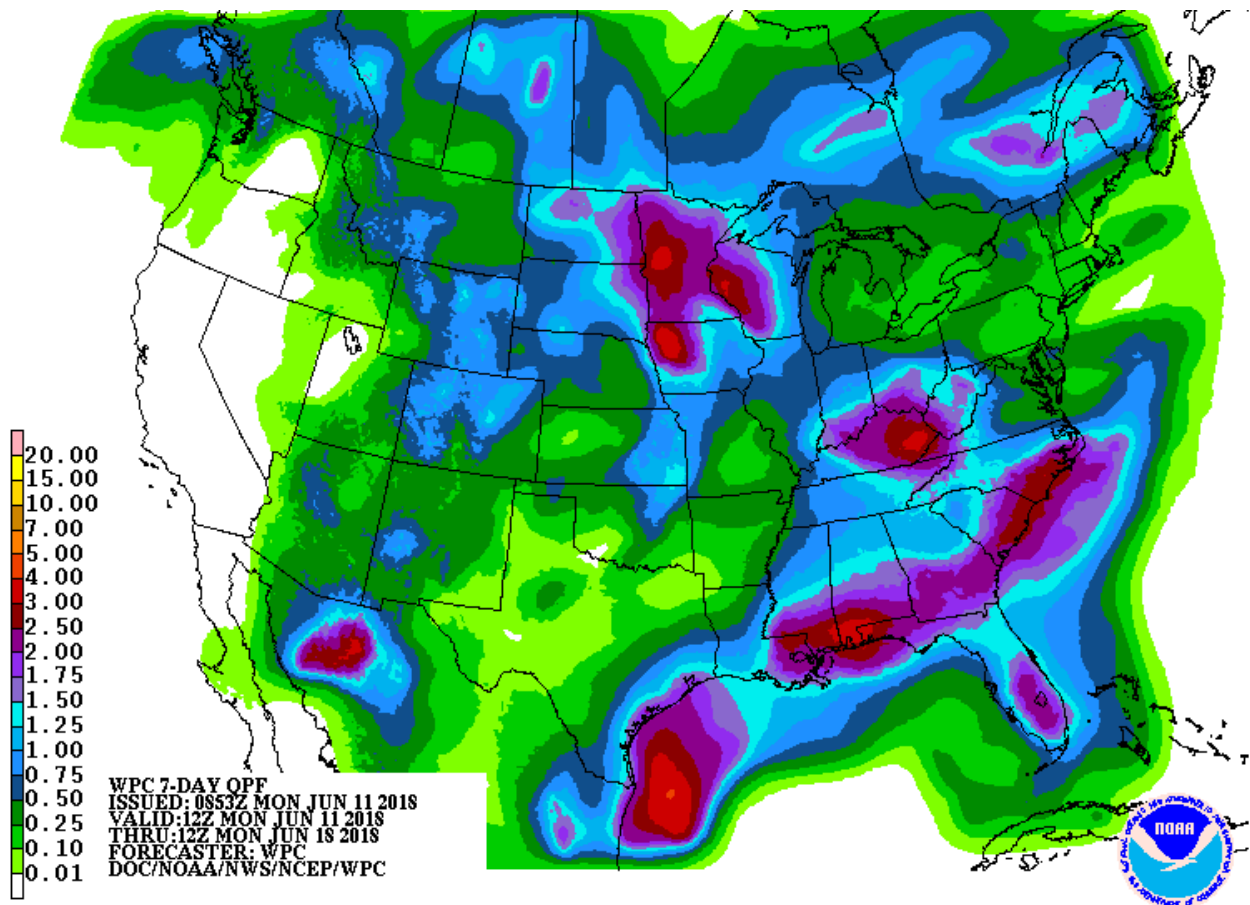
Drinking water reservoirs at Jennings Randolph and Little Seneca are full.

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

There is a below probability of releases from the Washington metropolitan area's back-up water supply reservoirs for the 2018 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 1 to 3 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



The 7 Day quantitative precipitation forecast calls for roughly ½ inch of precipitation.
SOURCE: <http://www.wpc.ncep.noaa.gov/qpf/day1-7.shtml>