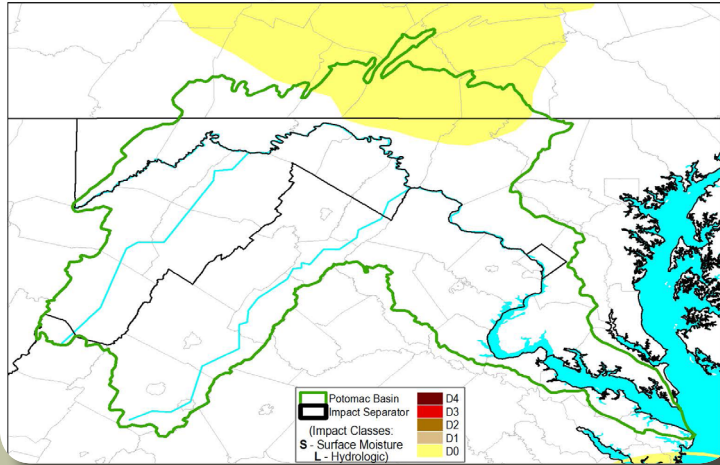


Metropolitan Washington Water Supply and Drought Awareness Response Plan

DROUGHT STAGE - NORMAL

Potomac Basin Drought Monitor

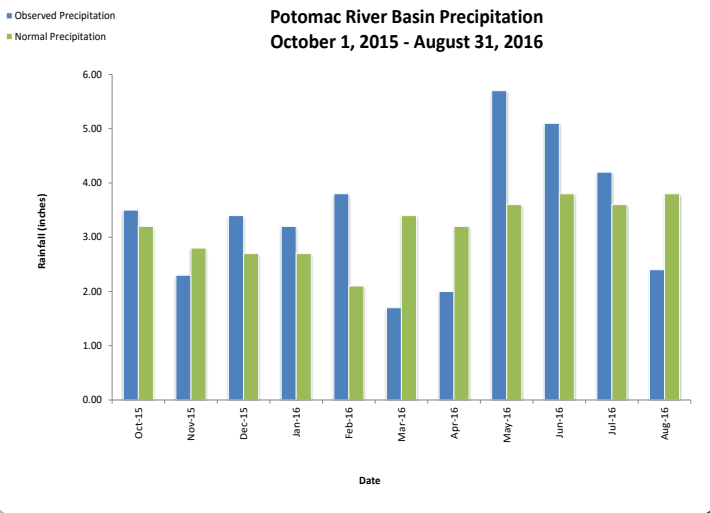
September 6, 2016



Potomac Basin Drought Monitor  
September 6, 2016

Normal with some abnormal dryness

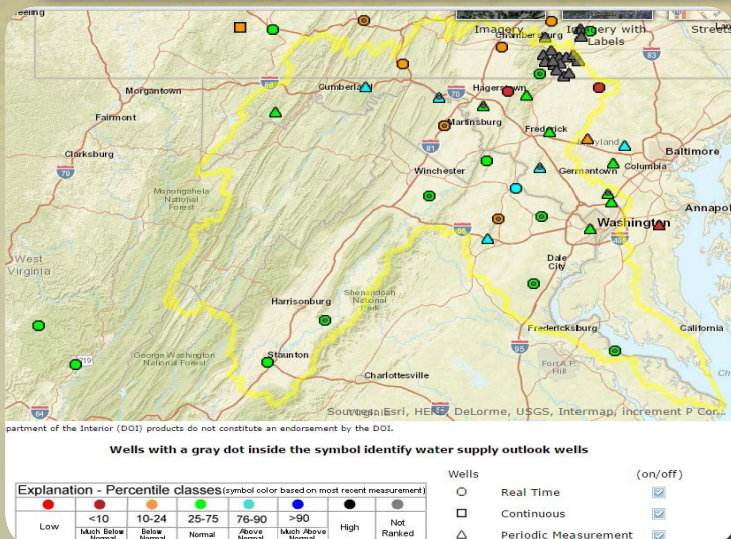
The most recent Potomac Basin Drought monitor indicates that a small portion of the Basin - the northern tip - is experiencing abnormal dryness (D0). Note that remainder of the Basin remains normal. Source: NOAA



POTOMAC BASIN PRECIPITATION DATA

August 2016 - Below Normal

The Basin received 2.4 inches of precipitation in August which is 1.4 inches below normal. From October 1, 2016 to August 31, 2016 the Basin received 37.30 inches of precipitation, 2.40 inches above normal. SOURCE: Middle Atlantic River Forecast Center and the National Weather Service



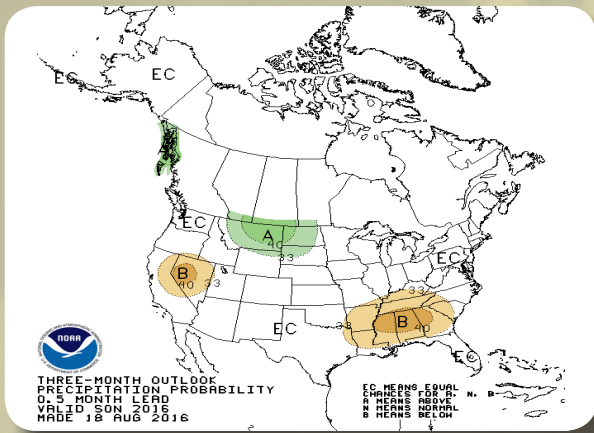
GROUNDWATER STATUS

September 2016

Near Normal

Most of the groundwater levels are normal throughout the Basin although a few 'much below normal' and 'below normal' levels exist in the northern portion. SOURCE: USGS - Pennsylvania Water Science Center





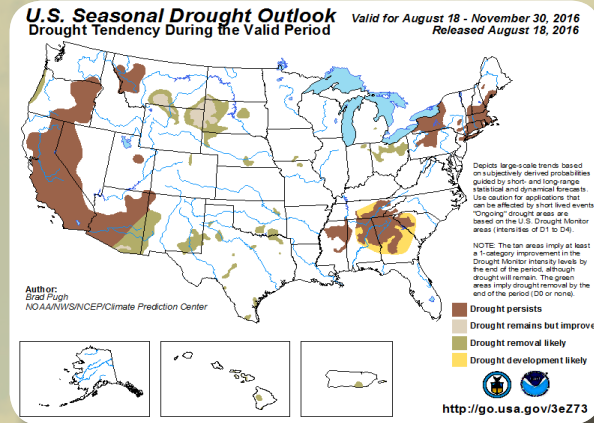
### PRECIPITATION OUTLOOK

The Climate Prediction Center at the National Weather Service produces precipitation forecasts for the United States. According to the current three month outlook, our region has an equal chance of above, below, or normal precipitation through November. SOURCE: NOAA Climate Prediction Center

### RESERVOIR STATUS

#### September 2016

Despite a few weeks of continuous dry weather in the Potomac Basin, there is a below normal probability of releases from the Washington metropolitan area's back-up water supply reservoirs for the 2016 summer and fall seasons

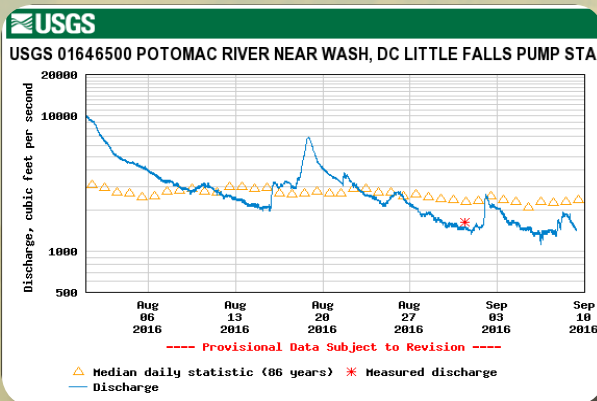


### SEASONAL DROUGHT OUTLOOK August 2016

The seasonal drought outlook released on August 18, 2016 indicates that our region should not experience a drought between now and November 30, 2016. SOURCE: NOAA Climate Prediction Center

There is a 3 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; the small probability of low flows means that water supply release from Jennings Randolph and Little Seneca reservoirs are unlikely this year. Releases occur when predicted flow is less than demand plus a required flow-by. Demand ranges from 400 to 700 MGD during the summer months and the minimum flow-by at Little Falls is 100 MGD.

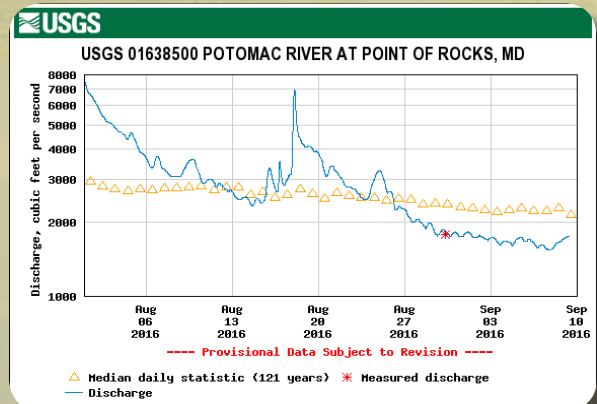
Source: ICPRB



### POTOMAC RIVER FLOW Little Falls and Point of Rocks Below Median Levels

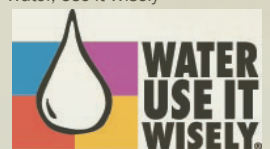
Streamflow levels are currently below median levels and have been declining since mid-late August. Instantaneous flow readings on September 9, 2016 at Little Falls (1,410 cfs/median, 2,390 cfs) and Point of Rocks (1,760 cfs/median 2,160 cfs) indicate that flows are below median levels. SOURCE: USGS

For additional information about this report contact Christine Howard at [cdhoward@mwkog.org](mailto:cdhoward@mwkog.org)



Note that streamflows in the Potomac have dropped to a point that the CO-OP has begun daily monitoring and reporting of flows and withdrawals. To learn more about this process, please visit ICPRB's website.

Water, Use it Wisely



WATER UTILITY WATER SUPPLY AND DROUGHT STATUS - September 2016

Currently all utilities, wholesale customers, and state agencies are under a "Normal" Status. Please let us know if this information needs to be updated by contacting Christine Howard at cdhoward@mwkog.org.

Utility Name	Drought Status			
	Normal	Watch	Warning	Emergency
<b>Potomac River CO-OP System Water Supply Agencies</b>				
Fairfax Water				
Washington Aqueduct				
Washington Suburban Sanitary Commission				
<b>Potomac River CO-OP Water Wholesale / Distribution Agencies</b>				
Loudoun Water (through FW)				
Arlington County DPW (through WAD)				
DC Water (through WAD)				
Virginia American Water - City of Alexandria, VA (through FW)				
Virginia American Water - Dale City, VA (through FW)				
Prince William County Service Authority (through FW and City of Manassas)				
Town of Herndon Department of Public Works (through FW)				
Town of Vienna Public Works Department (through WAD and FW)				
<b>Other Water Supply Agencies</b>				
Frederick County Town Systems				
City of Brunswick, MD				
Fort Detrick, MD				
Town of Middletown, MD				
Town of Mt. Airy, MD				
Town of Myersville, MD				
Town of Thurmont				
Fort Detrick, MD				
City of Bowie, MD				
City of Frederick, MD				
Town of Poolesville, MD				
City of Rockville, MD				
Town of Walkersville, MD				
Frederick County, MD				
Charles County, MD				
Loudoun County Town Systems				
Town of Lovettsville, VA				
Town of Hillsboro, VA				
Town of Purcellville, VA				
Town of Round Hill, VA				
Town of Hamilton, VA				
Town of Middleburg, VA				
Town of Leesburg, VA				
City of Manassas Park DPW, VA				
City of Manassas, VA				
<b>State Agencies</b>				
Virginia - Department of Environmental Quality (VADEQ)				
Maryland - Department of the Environment (MDE)				

