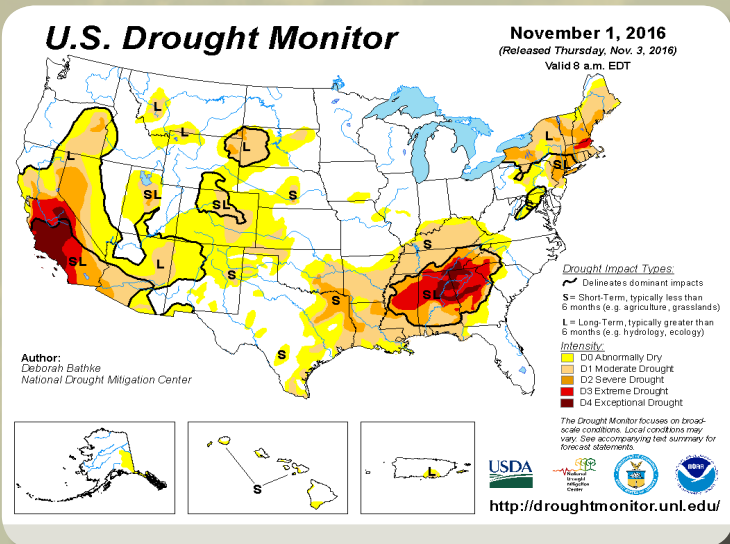


Metropolitan Washington Water Supply and Drought Awareness Response Plan

DROUGHT STAGE - NORMAL



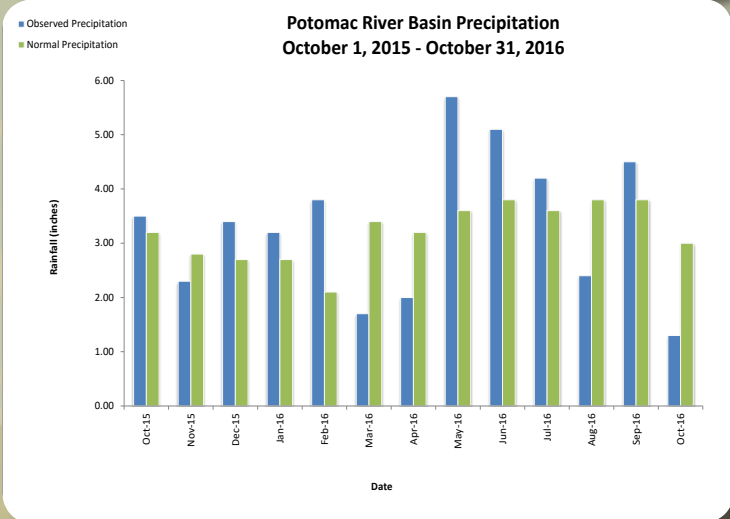
U.S. Drought Monitor

November 1, 2016

Areas of DO (abnormally dry)

The most recent U.S. Drought Monitor indicates that abnormal dryness (DO) exists in portions of Maryland, Virginia, and the District of Columbia.

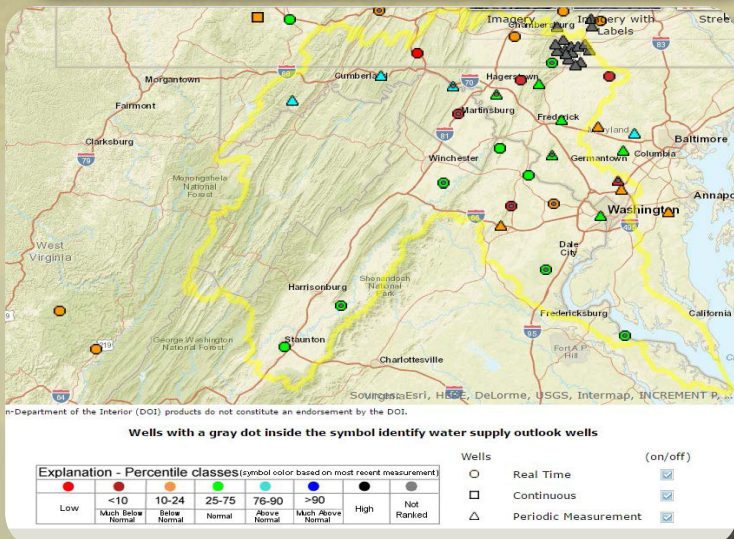
Source: NOAA



POTOMAC BASIN PRECIPITATION DATA

October 2016 - Below Normal

The Basin received 1.3 inches of precipitation in October which is 1.7 inches below normal. From October 1, 2015 to October 31, 2016 the Basin received 43.10 inches of precipitation, 1.40 inches above normal. SOURCE: Middle Atlantic River Forecast Center and the National Weather Service



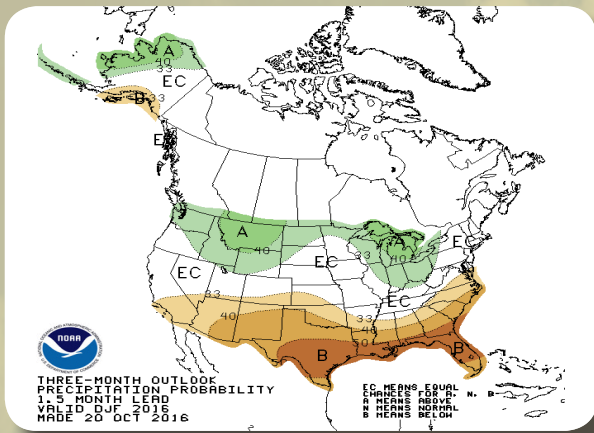
GROUNDWATER STATUS

October 2016

Normal - Low

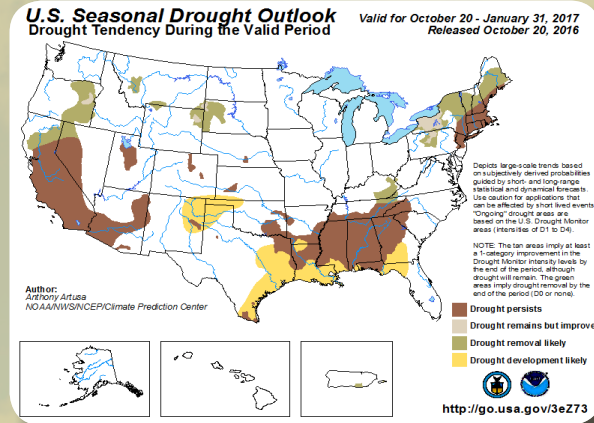
Many of the groundwater levels are normal throughout the Basin although a few 'much below normal' and 'below normal' levels exist. SOURCE: USGS - Pennsylvania Water Science Center





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 December. SOURCE: NOAA Climate Prediction Center



SEASONAL DROUGHT OUTLOOK October 2016

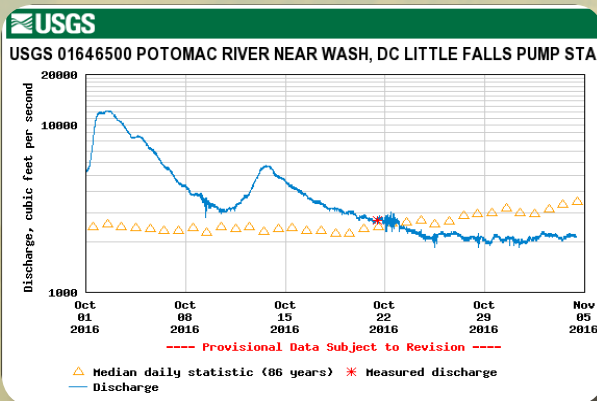
The seasonal drought outlook released on October 20, 2016 indicates that our region should not experience a drought between now and January 31, 2017. SOURCE: NOAA Climate Prediction Center

RESERVOIR STATUS October 2016

There is a 1 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; 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.

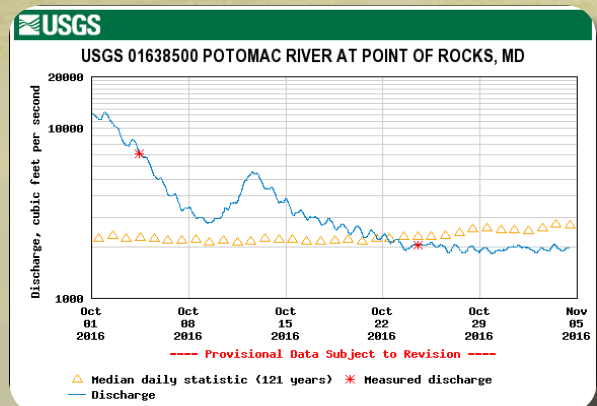
Note that Little Falls adjusted flows (flows plus withdrawals) are at about the 10th percentile level for early November - this happens about once every ten years.

Source: ICPRB



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

Streamflows were above median levels until the third week of October - a point when flows started to decline due to the lack of rainfall and above average temperatures in our region. Instantaneous flow readings on November 4, 2016 at Little Falls (2,160 cfs/median, 3,460 cfs) and Point of Rocks (1,980 cfs/median 2,700 cfs) indicate that flows are below median levels. SOURCE: USGS



On October 24, 2016 streamflows in the Potomac dropped to a point that the CO-OP started daily monitoring and reporting of flows and withdrawals. CO-OP begins daily drought monitoring when flow at Point of Rocks, Maryland, falls below 2,000 cubic feet per second. During drought monitoring, CO-OP sends out daily email reports to stakeholders summarizing flow, weather, and demand conditions. These monitoring updates are made available each morning. To learn more about this process, please visit ICPRB's website at www.potomacriver.org

Water, Use it Wisely



For additional information about this report contact Christine Howard at cdhoward@mwkog.org

WATER UTILITY WATER SUPPLY AND DROUGHT STATUS - November 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
Potomac River CO-OP System Water Supply Agencies				
Fairfax Water				
Washington Aqueduct				
Washington Suburban Sanitary Commission				
Potomac River CO-OP Water Wholesale / Distribution Agencies				
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)				
Other Water Supply Agencies				
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				
State Agencies				
Virginia - Department of Environmental Quality (VADEQ)				
Maryland - Department of the Environment (MDE)				

