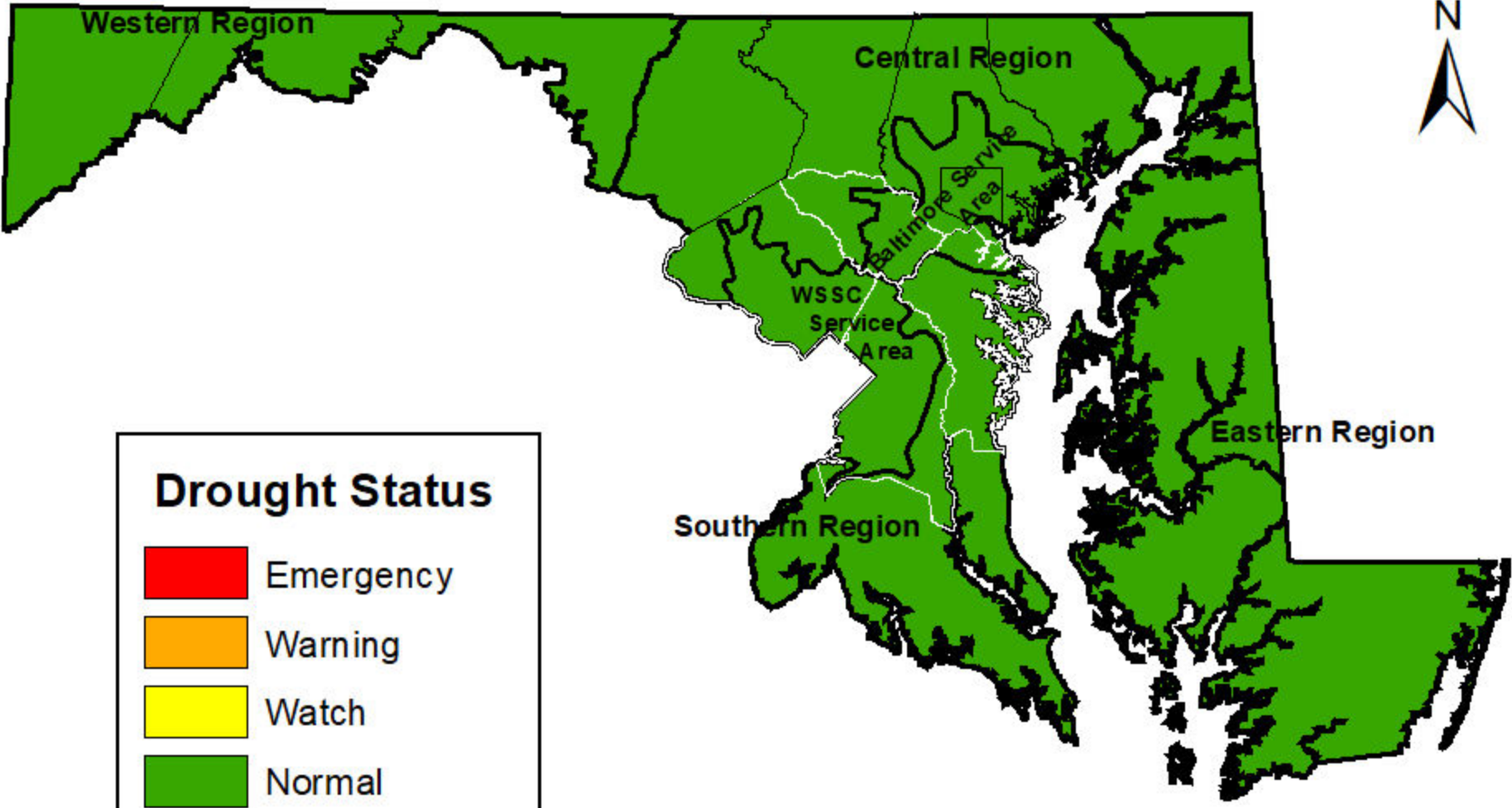


Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for 28-Feb-2022					
	Rainfall	Stream Flow	Groundwater	Reservoirs	Overall Status
Western	Watch	Normal	Normal	Normal	Normal
Central	Warning	Normal	Normal	Normal	Normal
Eastern	Watch	Normal	Normal		Normal
Southern	Watch		Normal		Normal

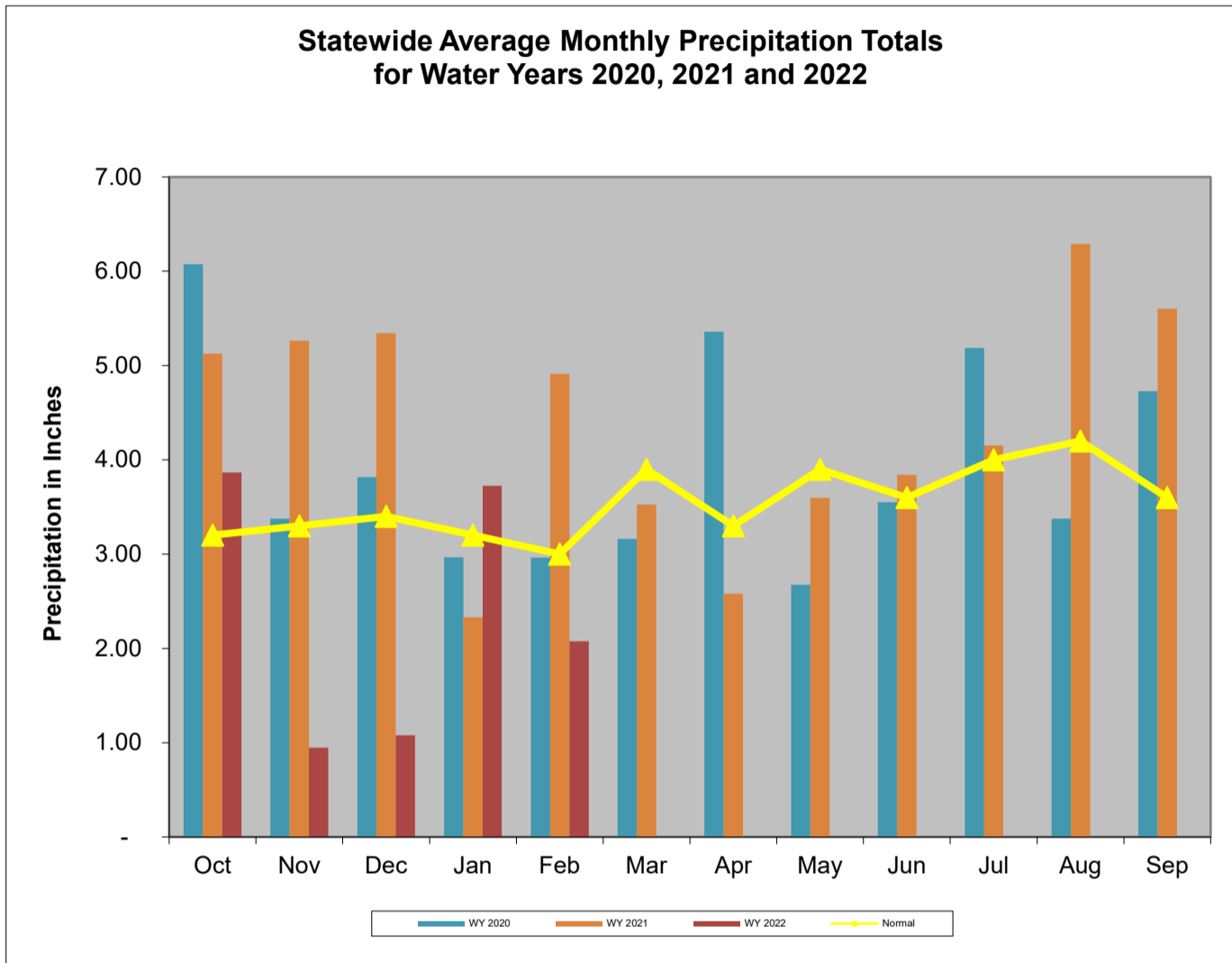
Drought Status in Maryland

As of February 28, 2022

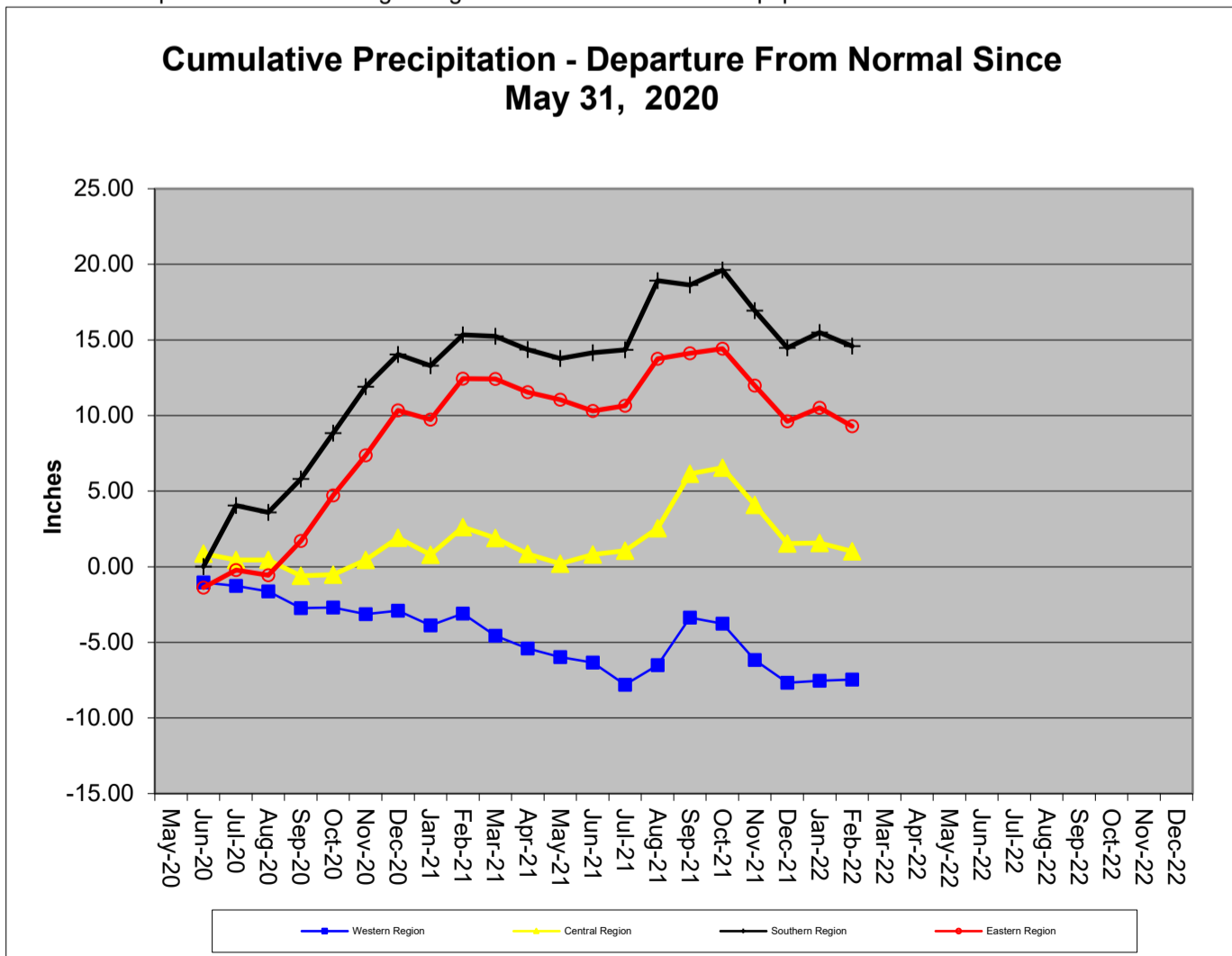


Precipitation Indicators for Maryland Drought Regions						
February 28, 2022						
	WY to Date		Since August 31, 2021		Since February 28, 2021	
Regions	Percent of Normal	Condition	Percent of Normal	Condition	Percent of Normal	Condition
Western	73%	Watch	95%	Normal	90%	Normal
Central	69%	Warning	93%	Normal	96%	Normal
Eastern	71%	Watch	78%	Watch	93%	Normal
Southern	75%	Watch	79%	Watch	98%	Normal

WY or Water Year begins on October 1



Data downloaded from http://www.weather.gov/marfc/Precipitation_Departures except for Garrett County, which was taken from <https://www.ncdc.noaa.gov/cag/divisional/time-series/1808/pcp/1/12/2019-2021> because MARFC data wa



**Precipitation in Maryland Counties
as of 28 February 2022 (WY 2022)**

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY ¹ To Date (Since Sep 30, 2021)				12 Months (Since Feb 28, 2021)				3 Months (Since Nov 30, 2021)				6 Months (Since Aug 31, 2021)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	13.9	9.2	-4.7	66%	39.1	33.5	-5.6	86%	7.9	6.1	-1.8	77%	17.4	15.5	-1.9	89%
	GARRETT	17.3	15.2	-2.1	88%	47.1	42.8	-4.3	91%	10.5	10.9	0.4	104%	21.0	21.0	0.0	100%
	WASHINGTON	14.6	9.1	-5.5	62%	39.8	36.6	-3.2	92%	8.2	5.7	-2.5	70%	18.4	17.4	-1.0	95%
	Regional Average	15.3	11.2	-4.1	73%	42.0	37.6	-4.4	90%	8.9	7.6	-1.3	85%	18.9	18.0	-1.0	95%
CENTRAL REGION	BALTIMORE COUNTY	17.6	12.0	-5.6	68%	45.5	43.5	-2.0	96%	10.0	6.3	-3.7	63%	22.0	19.0	-3.0	86%
	CARROLL	16.4	11.2	-5.2	68%	43.5	41.6	-1.9	96%	9.3	6.0	-3.3	65%	20.7	20.1	-0.6	97%
	CECIL	16.9	12.7	-4.2	75%	45.0	47.0	2.0	104%	9.8	7.1	-2.7	72%	21.3	21.1	-0.2	99%
	FREDERICK	15.8	9.7	-6.1	61%	42.4	40.3	-2.1	95%	8.9	5.8	-3.1	65%	19.9	19.3	-0.6	97%
	HARFORD	17.2	11.5	-5.7	67%	45.7	47.9	2.2	105%	9.7	6.3	-3.4	65%	21.6	20.9	-0.7	97%
	HOWARD	17.0	12.6	-4.4	74%	44.4	38.4	-6.0	86%	9.7	6.7	-3.0	69%	21.1	18.1	-3.0	86%
	MONTGOMERY	15.8	11.2	-4.6	71%	42.6	39.2	-3.4	92%	8.9	6.7	-2.2	75%	19.9	17.4	-2.5	87%
	Regional Average	16.7	11.6	-5.1	69%	44.2	42.6	-1.6	96%	9.5	6.4	-3.1	68%	20.9	19.4	-1.5	93%
SOUTHERN REGION	ANNE ARUNDEL	16.1	13.0	-3.1	81%	42.7	41.1	-1.6	96%	9.2	7.4	-1.8	80%	20.0	17.2	-2.8	86%
	CALVERT	16.6	12.1	-4.5	73%	44.1	43.3	-0.8	98%	9.6	6.5	-3.1	68%	20.5	15.4	-5.1	75%
	CHARLES	16.0	12.1	-3.9	76%	42.5	42.8	0.3	101%	9.1	7.1	-2.0	78%	19.9	15.8	-4.1	79%
	PRINCE GEORGES	16.2	12.6	-3.6	78%	42.5	43.1	0.6	101%	9.1	7.3	-1.8	80%	20.0	16.3	-3.7	82%
	ST MARYS	16.4	11.3	-5.1	69%	43.7	41.5	-2.2	95%	9.4	6.4	-3.0	68%	20.3	14.4	-5.9	71%
	Regional Average	16.3	12.2	-4.0	75%	43.1	42.4	-0.7	98%	9.3	6.9	-2.3	75%	20.1	15.8	-4.3	79%
EASTERN REGION	CAROLINE	16.4	11.6	-4.8	71%	43.6	41.2	-2.4	94%	9.5	7.3	-2.2	77%	20.2	16.0	-4.2	79%
	DORCHESTER	16.4	10.5	-5.9	64%	43.9	37.6	-6.3	86%	9.7	6.7	-3.0	69%	20.0	14.3	-5.7	72%
	KENT	16.3	10.8	-5.5	66%	43.5	38.2	-5.3	88%	9.5	6.2	-3.3	65%	20.6	16.5	-4.1	80%
	QUEEN ANNES	16.3	11.5	-4.8	71%	43.3	39.5	-3.8	91%	9.5	7.0	-2.5	74%	20.4	16.6	-3.8	81%
	SOMERSET	16.1	11.4	-4.7	71%	43.2	41.4	-1.8	96%	9.7	7.4	-2.3	76%	19.9	14.9	-5.0	75%
	TALBOT	16.6	11.3	-5.3	68%	43.9	39.1	-4.8	89%	9.7	7.0	-2.7	72%	20.4	15.6	-4.8	76%
	WICOMICO	16.6	13.8	-2.8	83%	44.0	45.5	1.5	103%	10.1	7.6	-2.5	75%	20.4	17.9	-2.5	88%
	WORCESTER	17.0	12.2	-4.8	72%	44.3	42.1	-2.2	95%	10.2	7.3	-2.9	72%	20.9	15.4	-5.5	74%
Regional Average	16.5	11.6	-4.8	71%	43.7	40.6	-3.1	93%	9.7	7.1	-2.7	73%	20.4	15.9	-4.5	78%	
INDEPENDENT CITY OF BALTIMORE		17.6	12.0	-5.6	68%	45.5	43.5	-2.0	96%	10.0	6.3	-3.7	63%	22.0	19.0	-3.0	86%
Statewide Average		16.4	11.7	-4.7	71%	43.6	41.3	-2.3	95%	9.5	6.9	-2.6	73%	20.4	17.3	-3.1	85%

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2022-Feb-28

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage Status	
Western	Youghiogheny (near Oakland)		662	80%-85%	Normal
Western	Savage River (near Barton)		145.8	65%-70%	Normal
Western	Wills Creek (near Cumberland)		654	70%-75%	Normal
Western	Marsh Run (at Grimes)		9.7	30%-35%	Normal
Central	Catoctin Creek (near Middletown)	1	95.4		
Central	Monocacy (Jug Bridge near Frederick)		1,216	40%-45%	Normal
Central	Patuxent (near Unity)		33.6	15%-20%	Watch
Central	Deer Cr (at Rocks)		120.9	30%-35%	Normal
Eastern	Choptank (near Greensboro)		160.2	35%-40%	Normal
Eastern	Nassawango Creek (near Snow Hill)		49.0	30%-35%	Normal
	Susquehanna (at Marietta)		70,057	85%-90%	Normal
	Potomac (at Little Falls)(Adjusted)		14,674	50%-55%	Normal

Notes:

1. Several data points unusable due to ice (as of 3/16)

Ground Water Status for 28 Feb 2022				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	8.21	Normal	Normal
	AL Ah 1	3.41	Normal	
	WA Be 2	32.08	Watch	
	WA Bk 25	43.95	Normal	
Central	BA Dc 444	38.92	Normal	Normal
	BA Ea 18	24.01	Normal	
	HA Bd 31	10.82	Watch	
	HA Ca 23	7.16	Watch	
	MO Cc 14	30.80	Normal	
Eastern	QA Cg 69	4.00	Normal	Normal
	WI Cg 20	4.60	Normal	
	MC51-01	12.05	Normal	
	SO Cf 2	1.53	Watch	
Southern	CH Bg 12 (unconfined)	3.12	Normal	Normal
	AA Cc 40 (confined)	NA[2]	Unknown	
	CA Fd 54 (confined)	238.56[3]	On Trend[4]	
	CH Dd 33 (confined)	NA[2]	Unknown	
	PG De 21 (confined)	NA[2]	Unknown	
	SM Fg 45 (confined)	NA[2]	Unknown	
[1] - Measurement of water level as feet below land surface [2] - Not Available as of 2022-02-28 [3] - Value computed from real time measurement [4] - In accordance with Maryland's drought monitoring and response plan, the impact of drought upon confined aquifers is analyzed as a departure from long term trend.				

Selected ground water levels are available from USGS at:

<http://md.water.usgs.gov/groundwater/>

Data for other wells may be downloaded from:

[USGS - NWIS Web Information for USA](http://www.water.usgs.gov/nwis/)

Reservoir Volumes and Storage for Drought Monitoring

For the End of Feb 2021

<i>Water System</i>	<i>Reservoir</i>	<i>Percent Full*</i>	<i>Days of Storage**</i>
City of Frostburg	Piney****	99%	622
City of Cumberland	Lake Gordon	100%	397
	Lake Koon	88%	
City of Baltimore	Liberty	100%	346
	Loch Raven	100%	
	Prettyboy	100%	
	Total	100%	
WSSC	Tridelphia Reservoir	82%	160
	Rocky Gorge/Duckett		
	Seneca Creek Reserve	100%	NA
All Potomac River Plants	Jennings-Randolph Reserve***	100%	NA

* *Percent Full* is the ratio of current volume to the maximum usable volume in each reservoir as of the end of Feb 2022

** *Days of Storage* is the amount of days it would take to use current volume of reservoir (w/o recharge) based on average raw water withdrawals from similar time frame from previous three years.

*** Percent full for Jennings-Randolph Reservoir is based on allotted amount of water in reservoir used to supplement Potomac River flow for drinking water purposes.

**** Storage data was not available as of 2022-Jan-31