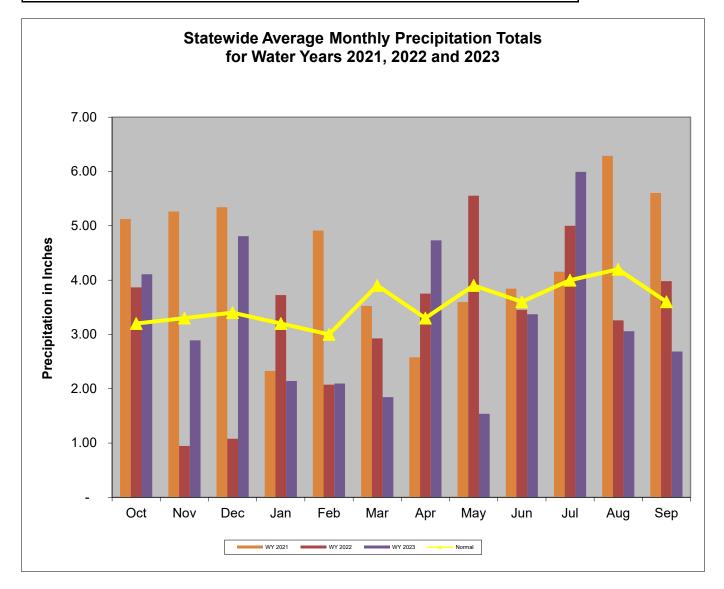
Overall Hydrologic Status for Maryland

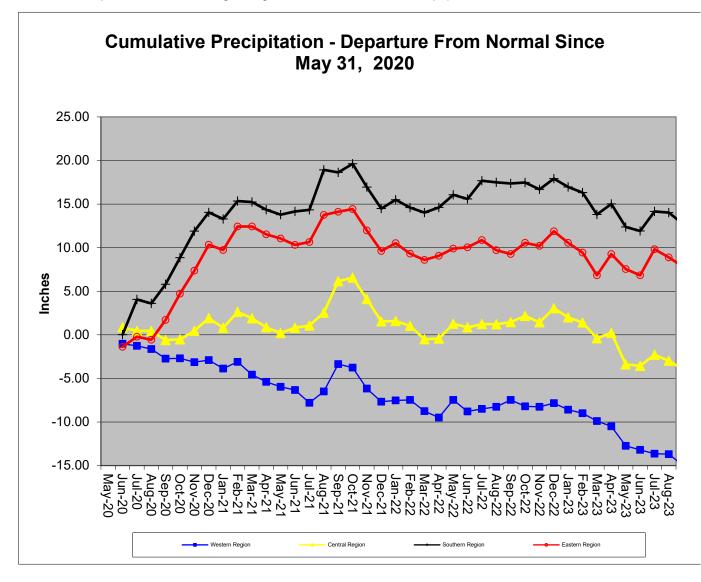
Summary of Hydrologic Indicators for 15-September 2023									
RainfallStream FlowGroundwaterReservoirsOverall Status									
Western	Watch	Normal	Warning	Normal	Watch				
Central	Normal	Warning	Warning	Normal	Warning				
Eastern	Normal	Normal	Normal		Normal				
Southern	Normal		Normal		Normal				

Notes: The WSSC Patuxent reservoirs have less then 120 days of water in storage. This is a result of dredging in the Tridelphia, which is scheduled to end by November 2023. Several Groundwater Gages are missing data for the mid-month evaluation.

Precipitation Indicators for Maryland Drought Regions											
	September 15, 2023										
	WY to DateSince Mar 31, 2023Since Sept 30, 2022										
	Percent of		Percent of Percent of								
Regions	Normal	Condition	Normal	Condition	Normal	Condition					
Western	82%	Watch	78%	Watch	82%	Watch					
Central	88%	Normal	85%	Normal	88%	Normal					
Eastern	97%	Normal	104%	Normal	97%	Normal					
Southern	89%	Normal	95%	Normal	89%	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 15 September 2023 (WY 2023)																	
	Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches																
	WY ¹ To Date					11.5 Months (Since September 30, 2022)			2.5 Months (Since June 30, 2023)			5.5 Months (Since March 31, 2023)					
	COUNTY	Normal A	Actual	Depart	%	Normal	Actual	Depart	%	Normal Actual Depart %		Normal Actual Depart %					
Z,	ALLEGANY	40.0	33.1	-6.9	83%	40.0	33.1	-6.9	83%	10.2	8.3	-1.9	81%	21.5	16.2	-5.3	75%
WESTERN REGION	GARRETT	46.3	40.0	-6.3	86%	46.3	40.0	-6.3	86%	12.3	11.1	-1.2	90%	25.6	22.6	-3.0	88%
EG	WASHINGTON	40.2	30.8	-9.4	77%	40.2	30.8	-9.4	77%	10.1	7.8	-2.3	77%	21.3	14.3	-7.0	67%
N N N	Regional Average	42.2	34.6	-7.5	82%	42.2	34.6	-7.5	82%	10.9	9.1	-1.8	83%	22.8	17.7	-5.1	78%
	BALTIMORE COUNTY	44.9	41.1	-3.8	92%	44.9	41.1	-3.8	92%	11.3	12.7	1.4	112%	23.3	21.5	-1.8	92%
CENTRAL REGION	CARROLL	43.3	33.6	-9.7	78%	43.3	33.6	-9.7	78%	11.2	8.2	-3.0	73%	22.8	15.8	-7.0	69%
С Ш	CECIL	44.4	44.0	-0.4	99%	44.4	44.0	-0.4	99%	12.0	12.4	0.4	103%	23.6	23.8	0.2	101%
R	FREDERICK	42.3	33.1	-9.2	78%	42.3	33.1	-9.2	78%	10.6	8.0	-2.6	75%	22.4	15.6	-6.8	70%
SAL	HARFORD	45.6	44.0	-1.6	96%	45.6	44.0	-1.6	96%	12.2	12.7	0.5	104%	24.1	22.4	-1.7	93%
	HOWARD	44.1	36.8	-7.3	83%	44.1	36.8	-7.3	83%	11.0	11.0	0.0	100%	23.0	18.6	-4.4	81%
Ц	MONTGOMERY	42.6	36.7	-5.9	86%	42.6	36.7	-5.9	86%	10.9	11.3	0.4	104%	22.6	19.1	-3.5	85%
0	Regional Average	43.9	38.5	-5.4	88%	43.9	38.5	-5.4	88%	11.3	10.9	-0.4	96%	23.1	19.5	-3.6	85%
-	ANNE ARUNDEL	42.6	40.2	-2.4	94%	42.6	40.2	-2.4	94%	11.6	14.1	2.5	122%	23.0	23.3	0.3	101%
Ц Ц Ц	CALVERT	44.2	39.6	-4.6	90%	44.2	39.6	-4.6	90%	11.6	11.8	0.2	102%	23.4	22.8	-0.6	97%
SOUTHERN REGION	CHARLES	42.6	37.0	-5.6	87%	42.6	37.0	-5.6	87%	11.3	11.8	0.5	104%	22.5	20.2	-2.3	90%
L L U U	PRINCE GEORGES	42.1	37.7	-4.4	90%	42.1	37.7	-4.4	90%	11.0	13.6	2.6	124%	22.3	21.9	-0.4	98%
OS CC S CC S CC S CC S CC S CC S CC S CC	ST MARYS	44.0	37.7	-6.3	86%	44.0	37.7	-6.3	86%	12.0	10.1	-1.9	84%	23.2	20.7	-2.5	89%
	Regional Average	43.1	38.4	-4.7	89%	43.1	38.4	-4.7	89%	11.5	12.3	0.8	107%	22.9	21.8	-1.1	95%
	CAROLINE	43.3	46.0	2.7	106%	43.3	46.0	2.7	106%	11.9	16.8	4.9	141%	23.2	27.8	4.6	120%
NO	DORCHESTER	43.7	43.2	-0.5	99%	43.7	43.2	-0.5	99%	12.0	14.0	2.0	117%	23.5	24.9	1.4	106%
Ū	KENT	43.1	42.3	-0.8	98%	43.1	42.3	-0.8	98%	11.4	13.3	1.9	117%	22.8	24.0	1.2	105%
RE	QUEEN ANNES	42.8	43.2	0.4	101%	42.8	43.2	0.4	101%	11.3	14.1	2.8	125%	22.7	24.8	2.1	109%
Z K	SOMERSET	43.1	41.3	-1.8	96%	43.1	41.3	-1.8	96%	12.6	10.7	-1.9	85%	23.0	22.7	-0.3	99%
III	TALBOT	43.7	41.3	-2.4	95%	43.7	41.3	-2.4	95%	11.8	13.3	1.5	113%	23.3	23.6	0.3	101%
EASTERN REGION	WICOMICO WORCESTER	44.0	41.0	-3.0	93%	44.0	41.0	-3.0	93%	12.5	12.1	-0.4	97%	23.4	23.9	0.5	102%
Щ	Regional Average	44.4 43.5	38.0 42.0	-6.4 -1.5	86% 97%	44.4 43.5	38.0 42.0	-6.4 -1.5	86% 97%	12.7 12.0	9.7 13.0	-3.0 1.0	76% 108%	23.1 23.1	21.0 24.1	-2.1 1.0	91% 104%
	5 5																
	NT CITY OF BALTIMORE	44.6	40.7	-3.9	91%	44.6	40.7	-3.9	91%	11.3	12.7	1.4	112%	23.3	21.5	-1.8	92%
	wide Average	43.4	39.3	-4.1	90%	43.4	39.3	-4.1	90%	11.5	11.7	0.2	102%	23.0	21.4	-1.7	93%

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2023 September 15									
			Status Based on 30 Day Average						
			30 Day Average						
Region	Stream Gage Location	Notes	(cfs)	Percentage	Status				
Western	Youghiogheny (near Oakland)		74	50%-55%	Normal				
Western	Savage River (near Barton)		5.4	35%-40%	Normal				
Western	Wills Creek (near Cumberland)		31	20%-25%	Watch				
Western	Marsh Run (at Grimes)		4.1	30%-35%	Normal				
Central	Catoctin Creek (near Middletown)		3.0	5%-10%	Warning				
Central	Monocacy (Jug Bridge near Frederick)		68	0%-5%	Emergency				
Central	Patuxent (near Unity)		5.4	0%-5%	Emergency				
Central	Deer Cr (at Rocks)		43.2	15%-20%	Watch				
Eastern	Choptank (near Greensboro)		34.5	55%-60%	Normal				
Eastern	Nassawango Creek (near Snow Hill)		10.8	45%-50%	Normal				
	Susquehanna (at Marietta)		31,403	90%-95%	Normal				
	Potomac (at Little Falls)(Adjusted)		1,721	5%-10%	Warning				

Notes:

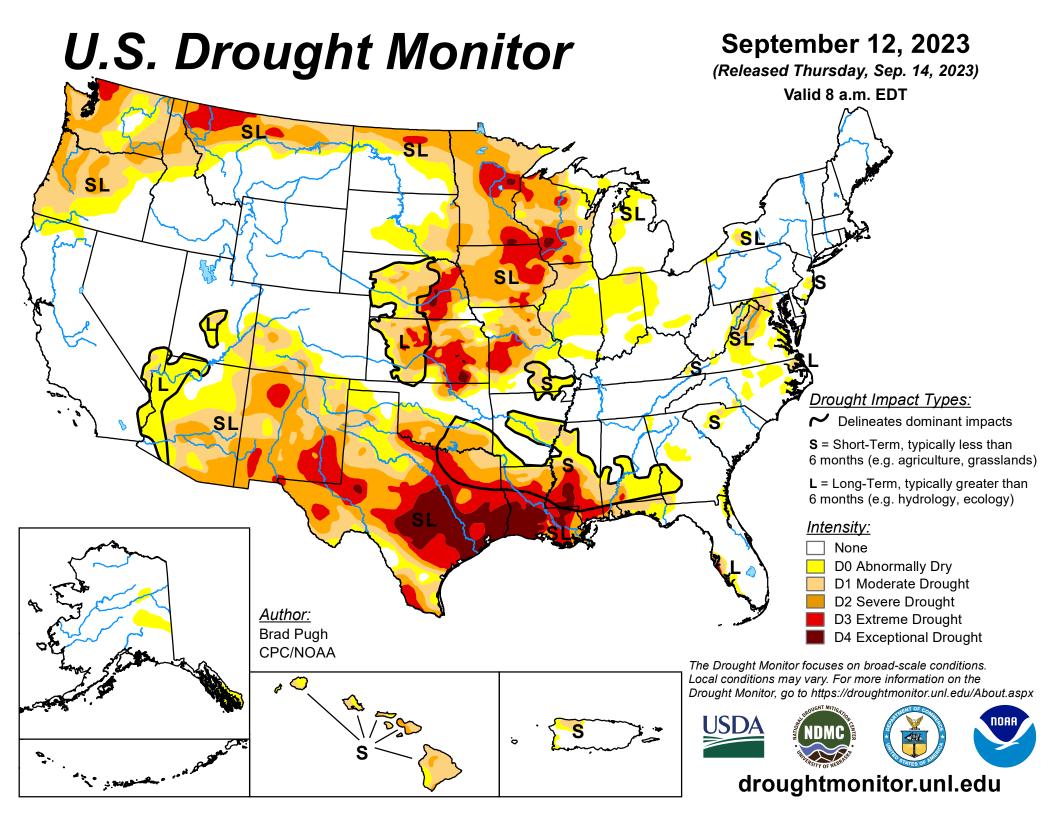
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Ground Water Status for 15 September 2023								
Region	USGS Well ID	Well Level[1]	Status					
	GA Bc 1	12.90 [3]	Normal					
Western	AL Ah 1	5.18 [2]	Normal	Warning				
	WA Be 2	35.38 [2]	Emergency	warning				
	WA Bk 25	50.46 [3]	Emergency					
	BA Dc 444	41.92 [3]	Warning					
	BA Ea 18	26.32 [2]	Emergency					
Central	HA Bd 31	11.64 [2]	Normal	Warning				
	HA Ca 23	7.52 [2]	Normal					
	MO Cc 14	39.59 [2]	Warning					
	QA Cg 69	4.32 [2]	Normal					
Eastern	WI Cg 20	7.37 [2]	Normal	Normal				
Lastern	MC51-01	12.81 [3]	Normal	Normai				
	SO Cf 2	4.83 [3]	Normal					
	CH Bg 12 (unconfined)	5.19 [3]	Normal					
	AA Cc 40 (confined)	NA[2]	Unknown					
Southern	CA Fd 54 (confined)	241.94	On Trend[4]	Normal				
Countern	CH Dd 33 (confined)	NA[2]	Unknown	Norman				
	PG De 21 (confined)	NA[2]	Unknown					
	SM Fg 45 (confined)	NA[2]	Unknown					
	urement of water level a		l surface					
[2] - Not Available as of 2023-9-18								
[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



U.S. Drought Monitor Maryland

September 12, 2023

(Released Thursday, Sep. 14, 2023)

Valid 8 a.m. EDT

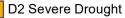
Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	72.46	27.54	16.49	0.50	0.00	0.00
Last Week 09-05-2023	70.69	29.31	16.52	0.50	0.00	0.00
3 Months Ago 06-13-2023	11.89	88.11	70.83	0.00	0.00	0.00
Start of Calendar Year 01-03-2023	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 09-27-2022	65.82	34.18	6.75	0.00	0.00	0.00
One Year Ago 09-13-2022	72.39	27.61	6.79	0.00	0.00	0.00

Intensity:

None D0 Abnormally Dry





D3 Extreme Drought

D1 Moderate Drought

D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:

Brad Pugh CPC/NOAA



droughtmonitor.unl.edu

