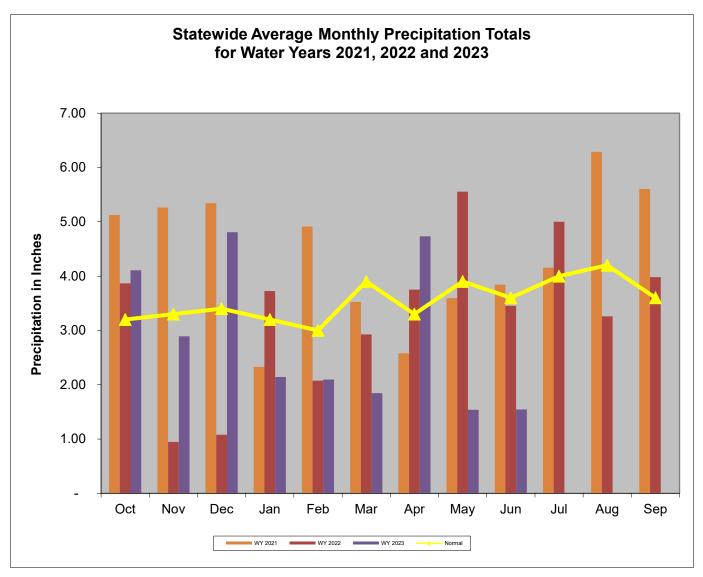
# **Overall Hydrologic Status for Maryland**

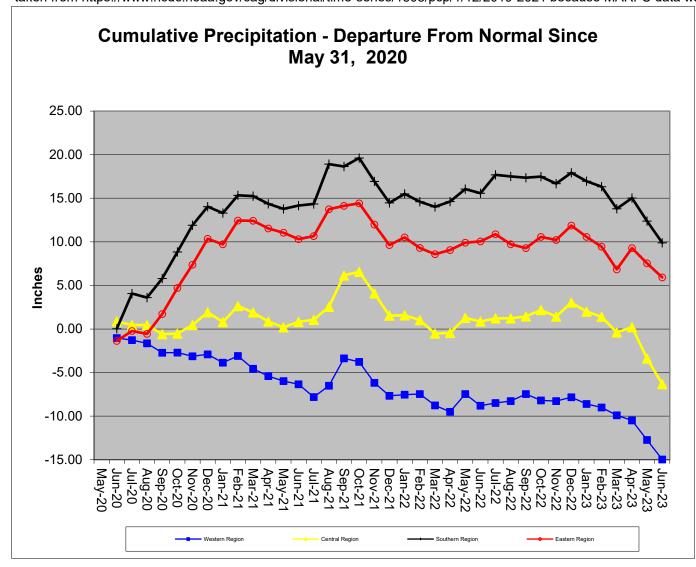
Summary of Hydrologic Indicators for 15-June 2023										
Rainfall Stream Flow Groundwater Reservoirs Overall Status										
Western	Watch	Watch	Warning	Normal	Watch					
Central	Watch	Warning	Watch	Normal	Watch					
Eastern	Normal	Normal	Normal		Normal					
Southern	Watch		Normal		Normal					

Notes: Several groundwater gages and reservoir data was not available for the midmoth evaluation

Precipitation Indicators for Maryland Drought Regions										
June 15, 2023										
	WY to Date Since Dec 31, 2022 Since June 30, 2									
	Percent of		Percent of		Percent of					
Regions	Normal	Condition	Normal	Condition	Normal	Condition				
Western	76%	Watch	67%	Warning	85%	Normal				
Central	76%	Watch	57%	Emergency	84%	Watch				
Eastern	89%	Normal	72%	Watch	91%	Normal				
Southern	76%	Watch	62%	Warning	87%	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 was



# Precipitation in Maryland Counties as of 15 June 2023 (WY 2023)

as of 15 Julie 2025 (WT 2025)																	
Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches																	
	WY <sup>1</sup> To Date			12 Months			3 Months			6 Months							
		(Since September 30, 2022)		(Since June 30, 2022)			(Since March 31, 2023)			23)	(Since December 30, 2022)						
	COUNTY	Normal A	Actual I	Depart	%	Normal	Actual	Depart	%	Normal A	ctual	Depart	%	Normal A	Actual	Depart	%
Z_	ALLEGANY	29.9	23.0	-6.9	77%	40.2	34.9	-5.3	87%	11.4	6.1	-5.3	54%	21.0	14.3	-6.7	68%
WESTERN REGION	GARRETT	34.1	27.3	-6.8	80%	46.5	42.1	-4.4	91%	13.4	9.9	-3.5	74%	23.7	18.3	-5.4	77%
EG	WASHINGTON	30.1	21.3	-8.8	71%	40.6	31.8	-8.8	78%	11.2	4.8	-6.4	43%	20.7	11.4	-9.3	55%
W <sub>R</sub>	Regional Average	31.4	23.9	-7.5	76%	42.4	36.3	-6.2	85%	12.0	6.9	-5.1	58%	21.8	14.7	-7.1	67%
	BALTIMORE COUNT	33.8	25.4	-8.4	75%	45.7	38.9	-6.8	85%	12.2	5.8	-6.4	48%	22.6	12.4	-10.2	55%
CENTRAL REGION	CARROLL	32.3	23.6	-8.7	73%	44.0	34.5	-9.5	78%	11.8	5.8	-6.0	49%	21.8	12.5	-9.3	57%
Ð	CECIL	32.4	27.9	-4.5	86%	44.4	40.5	-3.9	91%	11.6	7.7	-3.9	66%	21.6	14.0	-7.6	65%
<u>~</u>	FREDERICK	31.7	23.6	-8.1	74%	42.7	33.4	-9.3	78%	11.8	6.1	-5.7	52%	21.6	12.7	-8.9	59%
ζAΓ	HARFORD	33.5	27.4	-6.1	82%	46.1	42.7	-3.4	93%	12.0	5.8	-6.2	48%	22.4	12.7	-9.7	57%
Ľ	HOWARD	33.3	23.5	-9.8	71%	44.7	34.9	-9.8	78%	12.2	5.3	-6.9	43%	22.5	12.3	-10.2	55%
	MONTGOMERY	31.8	23.0	-8.8	72%	43.2	35.6	-7.6	82%	11.8	5.4	-6.4	46%	21.6	11.9	-9.7	55%
0	Regional Average	32.7	24.9	-7.8	76%	44.4	37.2	-7.2	84%	11.9	6.0	-5.9	50%	22.0	12.6	-9.4	57%
-	ANNE ARUNDEL	31.2	24.1	-7.1	77%	42.5	37.6	-4.9	88%		7.2	-4.4	62%	20.9	12.7	-8.2	61%
ĸ z	CALVERT	32.6	25.5	-7.1	78%	44.3	38.2	-6.1	86%	11.8	8.7	-3.1	74%	22.1	14.1	-8.0	64%
뿔읐	CHARLES	31.3	23.3	-8.0	74%	42.8	35.4	-7.4	83%		6.5	-4.7	58%	21.1	13.2	-7.9	63%
SOUTHERN REGION	PRINCE GEORGES	31.2	22.4	-8.8	72%	42.4	35.6	-6.8	84%	11.4	6.6	-4.8	58%	20.8	12.1	-8.7	58%
Son	ST MARYS	32.1	25.7	-6.4	80%	44.1	40.8	-3.3	93%	11.3	8.7	-2.6	77%	21.7	14.3	-7.4	66%
	Regional Average	31.7	24.2	-7.5	76%	43.2	37.5	-5.7	87%		7.5	-3.9	66%	21.3	13.3	-8.0	62%
	CAROLINE	31.5	28.4	-3.1	90%	43.4	40.1	-3.3	92%		10.2	-1.2	89%	21.3	15.1	-6.2	71%
N C	DORCHESTER	31.6	28.3	-3.3	90%	43.5	40.2	-3.3	92%		10.0	-1.4	88%	21.4	15.0	-6.4	70%
95	KENT	31.9	27.0	-4.9	85%	43.7	38.1	-5.6	87%	11.6	8.7	-2.9	75%	21.6	14.2	-7.4	66%
R	QUEEN ANNES	31.5	27.7	-3.8	88%	43.2	38.5	-4.7	89%	11.4	9.3	-2.1	82%	21.2	14.5	-6.7	68%
Z	SOMERSET	30.4	30.5	0.1	100%	42.9	41.5	-1.4	97%		11.9	1.6	116%	20.7	17.0	-3.7	82%
描	TALBOT	32.0	27.4	-4.6	86%	43.9	38.2	-5.7	87%	11.6	9.7	-1.9	84%	21.6	15.1	-6.5	70%
EASTERN REGION	WICOMICO	31.4	28.0	-3.4	89%	43.7	40.9	-2.8	94%	10.8	10.9	0.1	101%	21.4	15.7	-5.7	73%
Д	WORCESTER	31.6	27.7	-3.9	88%	44.2	37.9	-6.3	86%	10.3	10.7	0.4	104%	21.2	16.1	-5.1	76%
	Regional Average	31.5	28.1	-3.4	89%	43.6	39.4	-4.1	91%		10.2	-0.9	92%	21.3	15.3	-6.0	72%
	NT CITY OF BALTIMORE	33.5	25.0	-8.5	75%	45.4	38.5	-6.9	85%	12.2	5.8	-6.4	48%	22.3	12.0	-10.3	54%
State	wide Average	31.9	25.7	-6.2	80%	43.7	37.9	-5.7	87%	11.6	7.8	-3.8	68%	21.6	13.9	-7.7	64%
ww.d		•				•				•							

WY<sup>1</sup> - USGS Water Year, which begins October 1

Ground Water Status for 15 June 2023									
Region	USGS Well ID	Well Level[1]	Status						
	GA Bc 1	15.39[3]	Normal						
Western	AL Ah 1	4.54[2]	Normal	Warning					
VVESICIII	WA Be 2	32.78[2]	Warning	vvairiing					
	WA Bk 25	49.05[3]	Emergency						
	BA Dc 444	39.62[2]	Watch						
	BA Ea 18	24.13[2]	Emergency						
Central	HA Bd 31	10.79[2]	Watch	Watch					
	HA Ca 23	7.12[2]	Watch						
	MO Cc 14	32.33[2]	Watch						
	QA Cg 69	3.41[2]	Normal						
Eastern	WI Cg 20	4.73[2]	Normal	Normal					
Lastern	MC51-01	12.78[3]	Watch	Nomai					
	SO Cf 2	3.66[3]	Normal						
	CH Bg 12 (unconfined)	4.42[2]	Warning						
	AA Cc 40 (confined)	NA[2]	Unknown						
Southern	CA Fd 54 (confined)	238.82	On Trend[4]	Normal					
	CH Dd 33 (confined)	NA[2]	Unknown	Homiai					
	PG De 21 (confined)	NA[2]	Unknown						
	SM Fg 45 (confined)	NA[2]	Unknown						

<sup>[1] -</sup> Measurement of water level as feet below land surface

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

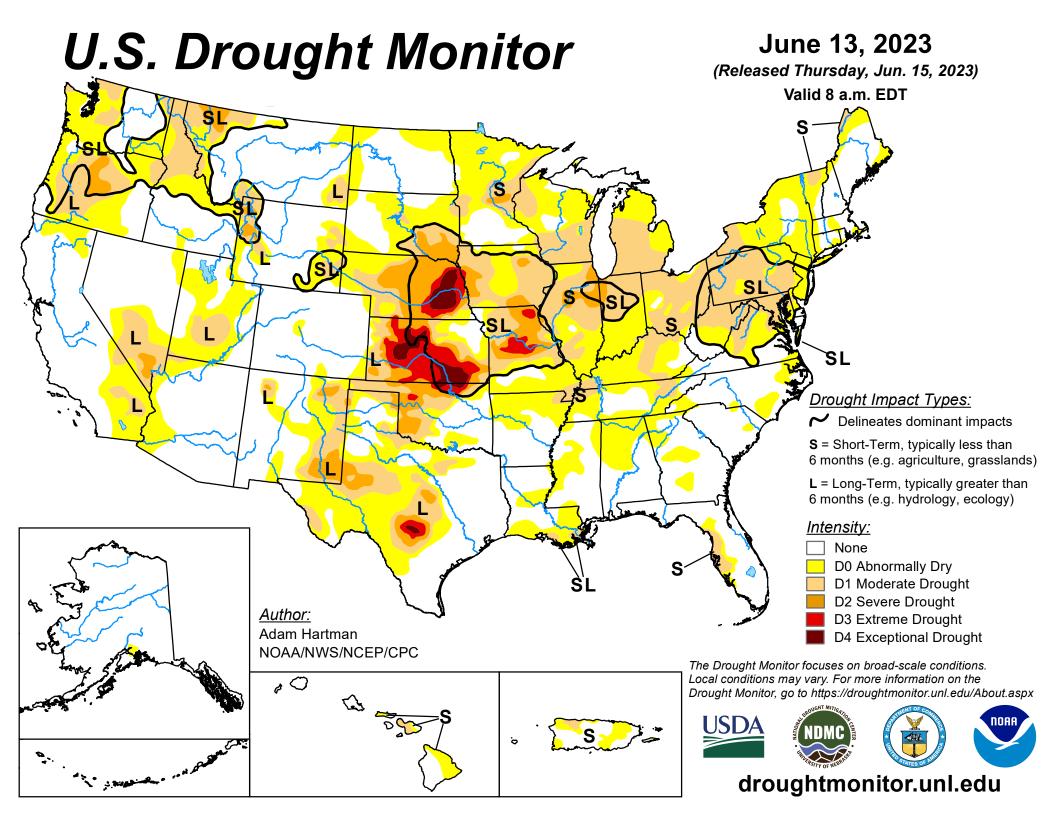
<sup>[2] -</sup> Not Available as of 2023-6-20

<sup>[3] -</sup> Value computed from real time measurement

<sup>[4] -</sup> 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.

Stream Flow Status Based on Thirty Day Average for 2023 June 15										
			Status Based on 30 Day Average							
			30 Day							
Region	Stream Gage Location	Notes	Average (cfs) Percentage Status							
Western	Youghiogheny (near Oakland)		100	10%-15%	Watch					
Western	Savage River (near Barton)		20.8	5%-10%	Warning					
Western	Wills Creek (near Cumberland)		116	10%-15%	Watch					
Western	Marsh Run (at Grimes)		6.5	10%-15%	Watch					
Central	Catoctin Creek (near Middletown)		20.1	0%-5%	Emergency					
Central	Monocacy (Jug Bridge near Frederick)		244	0%-5%	Emergency					
Central	Patuxent (near Unity)		13.5	80%-85%	Normal					
Central	Deer Cr (at Rocks)		66.7	5%-10%	Warning					
Eastern	Choptank (near Greensboro)		51.4	20%-25%	Watch					
Eastern	Nassawango Creek (near Snow Hill)		18.2	35%-40%	Normal					
	Susquehanna (at Marietta)		13,612	0%-5%	Emergency					
	Potomac (at Little Falls)(Adjusted)		4,835	5%-10%	Warning					

Notes:



# U.S. Drought Monitor Maryland

## June 13, 2023

(Released Thursday, Jun. 15, 2023)
Valid 8 a.m. EDT

#### Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	11.89	88.11	70.83	0.00	0.00	0.00
Last Week 06-06-2023	16.44	83.56	35.85	0.00	0.00	0.00
3 Months Ago 03-14-2023	98.13	1.87	0.00	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 06-14-2022	97.84	2.16	0.00	0.00	0.00	0.00

#### Intensity:

None
D2 Severe Drought
D0 Abnormally Dry
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:

Adam Hartman NOAA/NWS/NCEP/CPC









droughtmonitor.unl.edu