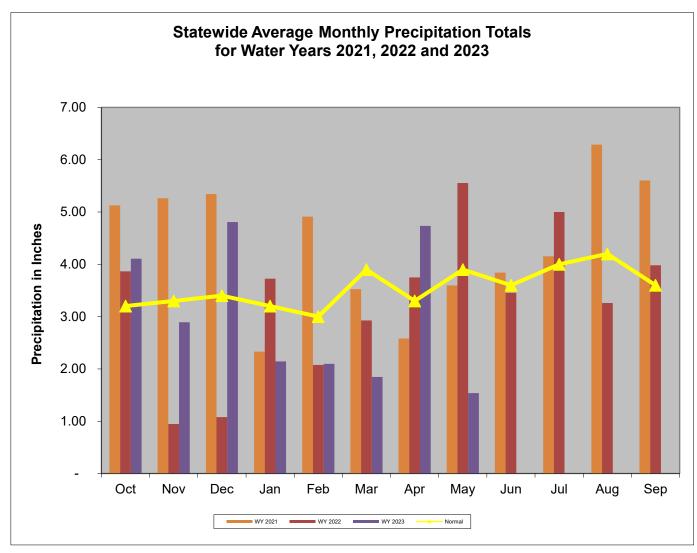
## **Overall Hydrologic Status for Maryland**

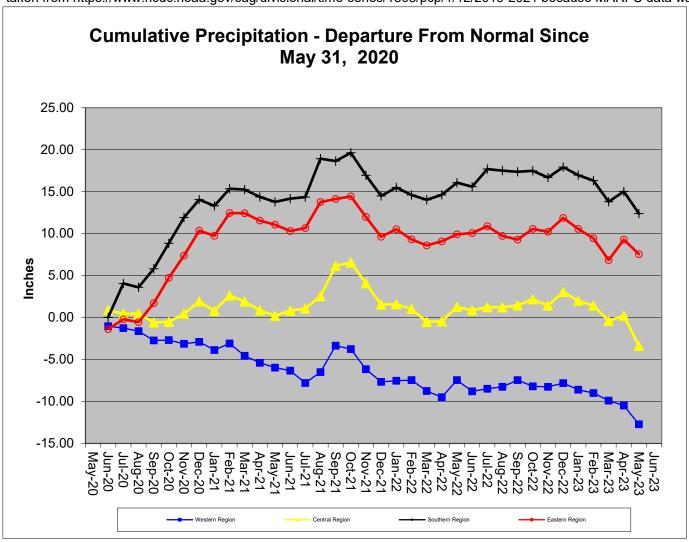
Summary of Hydrologic Indicators for 31-May 2023										
Rainfall Stream Flow Groundwater Reservoirs Overall Status										
Western	Watch	Normal	Warning	Normal	Watch					
Central	Normal	Watch	Watch	Normal	Watch					
Eastern	Normal	Normal	Normal		Normal					
Southern	Watch		Normal		Normal					

Notes: Reservoir data for the Piney Reservoir in Western, MD was not available as of 6/6/23

Precipitation Indicators for Maryland Drought Regions										
May 31, 2023										
	WY to Date Since Nov 30, 2022 Since May 31, 2022									
n ·	Percent of	C 114	Percent of Normal	C 114	Percent of					
Regions	Normal	Condition	Normai	Condition	Normal	Condition				
Western	81%	Watch	79%	Watch	88%	Normal				
Central	83%	Normal	78%	Watch	89%	Normal				
Eastern	94%	Normal	87%	Normal	95%	Normal				
Southern	82%	Watch	79%	Watch	91%	Normal				
		WY or Wate	er Year begin	s 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 31 May 2023 (WY 2023)

as 01 31 May 2023 (VV 1 2023)																	
					Normal	Rainfall,	Actual	Rainfall a	and Ra	ainfall Dep	arture	from No	rmal ir	n Inches			
			$WY^1T$	o Date			12 M	onths		3 Months			6 Months				
		(Since S	Septen	nber 30,	2022)	(Sin	ce May	/ 31, 202	2)	(Since February 28, 2023)			023)	(Since November 30, 2022			2022)
	COUNTY	Normal /	Actual	Depart	%	Normal	Actual	Depart	%	Normal A	Actual	Depart	%	Normal	Actual	Depart	%
Z z	ALLEGANY	26.1	21.4	-4.7	82%	40.1	35.4	-4.7	88%	11.2	7.1	-4.1	63%	20.1	15.5	-4.6	77%
WESTERN REGION	GARRETT	29.5	24.5	-5.0	83%	46.4	42.6	-3.8	92%	12.9	10.5	-2.4	81%	22.7	18.7	-4.0	82%
EG	WASHINGTON	26.3	20.2	-6.1	77%	40.6	33.3	-7.3	82%	10.9	6.2	-4.7	57%	19.9	15.1	-4.8	76%
ME WE	Regional Average	27.3	22.0	-5.3	81%	42.4	37.1	-5.3	88%	11.7	7.9	-3.7	68%	20.9	16.4	-4.5	79%
	BALTIMORE COUNT	29.8	24.6	-5.2	83%	45.4	41.6	-3.8	92%	12.3	7.1	-5.2	58%	22.2	16.5	-5.7	74%
CENTRAL REGION	CARROLL	28.4	23.0	-5.4	81%	43.8	36.4	-7.4	83%	11.7	7.5	-4.2	64%	21.3	16.7	-4.6	78%
ÐΞ	CECIL	28.5	25.7	-2.8	90%	44.4	43.2	-1.2	97%	11.8	7.6	-4.2	64%	21.4	17.2	-4.2	80%
₹.	FREDERICK	27.9	22.5	-5.4	81%	42.7	34.3	-8.4	80%	11.7	7.4	-4.3	63%	21.0	16.7	-4.3	80%
, AL	HARFORD	29.5	26.4	-3.1	89%	46.0	45.9	-0.1	100%	12.0	6.9	-5.1	58%	22.0	16.9	-5.1	77%
H R	HOWARD	29.2	22.9	-6.3	78%	44.5	37.6	-6.9	84%	12.1	6.6	-5.5	55%	21.9	16.7	-5.2	76%
Ä	MONTGOMERY	27.8	22.2	-5.6	80%		38.3	-4.8	89%	11.6	6.5	-5.1	56%	20.8	16.2	-4.6	78%
0	Regional Average	28.7	23.9	-4.8	83%	44.3	39.6	-4.7	89%	11.9	7.1	-4.8	60%	21.5	16.7	-4.8	78%
7	ANNE ARUNDEL	27.3	22.7	-4.6	83%		39.6	-2.7	94%	11.6	7.3	-4.3	63%	20.4	16.0	-4.4	78%
K Z	CALVERT	28.6	23.8	-4.8	83%		39.4	-4.9	89%		8.2	-3.6	69%	21.6	17.1	-4.5	79%
불 읐	CHARLES	27.4	22.2	-5.2	81%		37.6	-5.2	88%		6.8	-4.3	61%		16.6	-3.9	81%
UT	PRINCE GEORGES	27.3	21.0	-6.3	77%		37.2	-5.1	88%	11.2	6.8	-4.4	61%	20.2	15.1	-5.1	75%
SOUTHERN REGION	ST MARYS	28.3	24.3	-4.0	86%		43.5	-0.5	99%	11.6	8.5	-3.1	73%	21.3	17.7	-3.6	83%
0,	Regional Average	27.8	22.8	-5.0	82%		39.5	-3.7	91%	11.5	7.5	-3.9	66%	20.8	16.5	-4.3	79%
	CAROLINE	27.7	26.8	-0.9	97%		42.7	-0.6	99%		10.1	-1.5	87%	20.9	18.7	-2.2	89%
O	DORCHESTER	27.7	26.5	-1.2	96%		42.8	-0.8	98%		9.6	-2.0	83%		18.2	-2.8	87%
<u>5</u>	KENT	28.0	25.2	-2.8	90%		39.5	-4.0	91%		8.5	-3.2	73%	21.2	17.7	-3.5	83%
R	QUEEN ANNES	27.7	26.3	-1.4	95%		41.0	-2.1	95%		9.4	-2.2	81%	20.9	18.3	-2.6	88%
Z	SOMERSET	27.0	27.4	0.4	101%		40.7	-2.3	95%	11.1	10.4	-0.7	94%	20.6	19.5	-1.1	95%
ļ H	TALBOT	28.1	25.5	-2.6	91%		41.7	-2.1	95%		9.3	-2.4	79%	21.2	18.2	-3.0	86%
EASTERN REGION	WICOMICO	27.8	25.4	-2.4	91%		42.3	-1.5	97%		9.8	-1.6	86%	21.3	18.4	-2.9	86%
EA	WORCESTER	28.2	25.2	-3.0	89%		38.8	-5.5	88%		9.6	-1.6	86%	21.4	18.1	-3.3	85%
	Regional Average	27.8	26.0	-1.7	94%	43.6	41.2	-2.4	95%	11.5	9.6	-1.9	83%	21.1	18.4	-2.7	87%
	NT CITY OF BALTIMORE	29.5	24.2	-5.3	82%		41.2	-3.9	91%		7.1	-5.2	58%		16.1	-5.8	74%
	wide Average	28.1	24.2	-3.9	86%	43.6	39.9	-3.7	91%	11.7	8.1	-3.5	70%	21.2	17.2	-4.0	81%
	· Matar Vaar which has																_

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

Stream Flow Status Based on Thirty Day Average for 2023 May 31										
			Status Based on 30 Day Averag							
			30 Day Average							
Region	Stream Gage Location	Notes	(cfs)	Percentage	Status					
Western	Youghiogheny (near Oakland)		560	80%-85%	Normal					
Western	Savage River (near Barton)		94.6	50%-55%	Normal					
Western	Wills Creek (near Cumberland)		417	45%-50%	Normal					
Western	Marsh Run (at Grimes)		8.2	10%-15%	Watch					
Central	Catoctin Creek (near Middletown)		48.5	25%-30%	Normal					
Central	Monocacy (Jug Bridge near Frederick)		826	50%-55%	Normal					
Central	Patuxent (near Unity)		22.4	5%-10%	Warning					
Central	Deer Cr (at Rocks)		93.0	15-20%	Watch					
Eastern	Choptank (near Greensboro)		170.1	65%-70%	Normal					
Eastern	Nassawango Creek (near Snow Hill)		33.1	50%-55%	Normal					
	Susquehanna (at Marietta)		47,352	50%-55%	Normal					
	Potomac (at Little Falls)(Adjusted)		11,717	40%-45%	Normal					

Notes:

Ground Water Status for 31 May 2023									
Region	USGS Well ID	Well Level[1]	Status						
	GA Bc 1	13.66	Normal						
Western	AL Ah 1	4.54	Normal	Warning					
Westelli	WA Be 2	32.78	Warning	vvairing					
	WA Bk 25	48.74	Emergency						
	BA Dc 444	39.62	Watch						
	BA Ea 18	24.13	Emergency						
Central	HA Bd 31	10.79	Watch	Watch					
	HA Ca 23	7.12	Watch						
	MO Cc 14	32.33	Watch						
	QA Cg 69	3.41	Normal						
Eastern	WI Cg 20	4.73	Normal	Normal					
Lastern	MC51-01	12.30	Watch	Normai					
	SO Cf 2	2.44	Normal						
	CH Bg 12 (unconfined)	4.42	Warning						
	AA Cc 40 (confined)	NA[2]	Unknown						
Southern	CA Fd 54 (confined)	238.82	On Trend[4]	Normal					
Codulelli	CH Dd 33 (confined)	NA[2]	Unknown	itorinai					
	PG De 21 (confined)	NA[2]	Unknown						
[4] N4	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

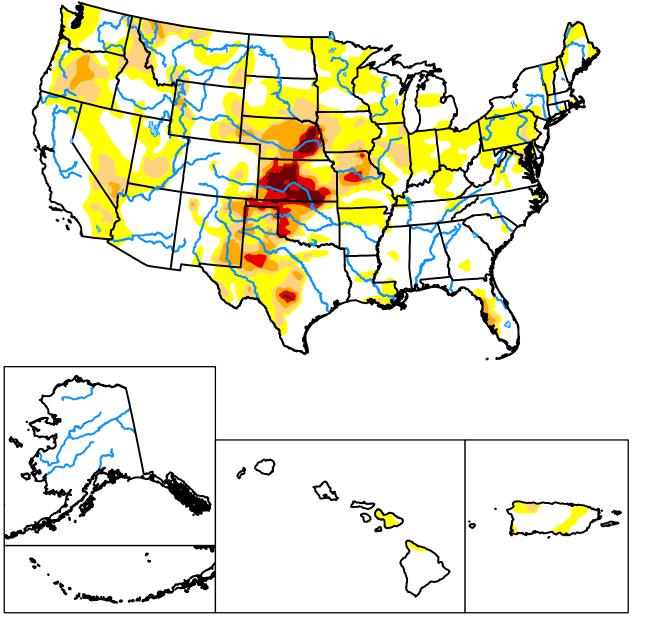
<sup>[2] -</sup> Not Available as of 2023-6-6

<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.

U.S. Drought Monitor

## **U.S. States and Puerto Rico**



## May 30, 2023

(Released Thursday, Jun. 1, 2023)
Valid 8 a.m. EDT

### Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	58.13	41.87	15.84	6.80	2.74	1.04
Last Week 05-23-2023	66.06	33.94	16.05	7.44	3.11	1.11
3 Months Ago 02-28-2023	54.03	45.97	32.13	14.46	4.72	1.29
Start of Calendar Year 01-03-2023	41.85	58.15	38.67	21.93	8.24	1.55
Start of Water Year 09-27-2022	36.92	63.08	42.65	25.36	10.45	2.14
One Year Ago 05-31-2022	48.43	51.57	41.42	30.93	16.83	4.61

### Intensity:

None
D2 Severe Drought
D0 Abnormally Dry
D3 Extreme 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:

Richard Heim NCEI/NOAA









droughtmonitor.unl.edu

# U.S. Drought Monitor Maryland

## May 30, 2023

(Released Thursday, Jun. 1, 2023)
Valid 8 a.m. EDT

### Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	33.92	66.08	20.11	0.00	0.00	0.00
Last Week 05-23-2023	66.82	33.18	5.80	0.00	0.00	0.00
3 Months Ago 02-28-2023	79.63	20.37	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 05-31-2022	97.84	2.16	0.00	0.00	0.00	0.00

### Intensity:

None
D2 Severe Drought
D0 Abnormally Dry
D3 Extreme Drought
D1 Moderate Drought
D4 Exceptional Drought

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