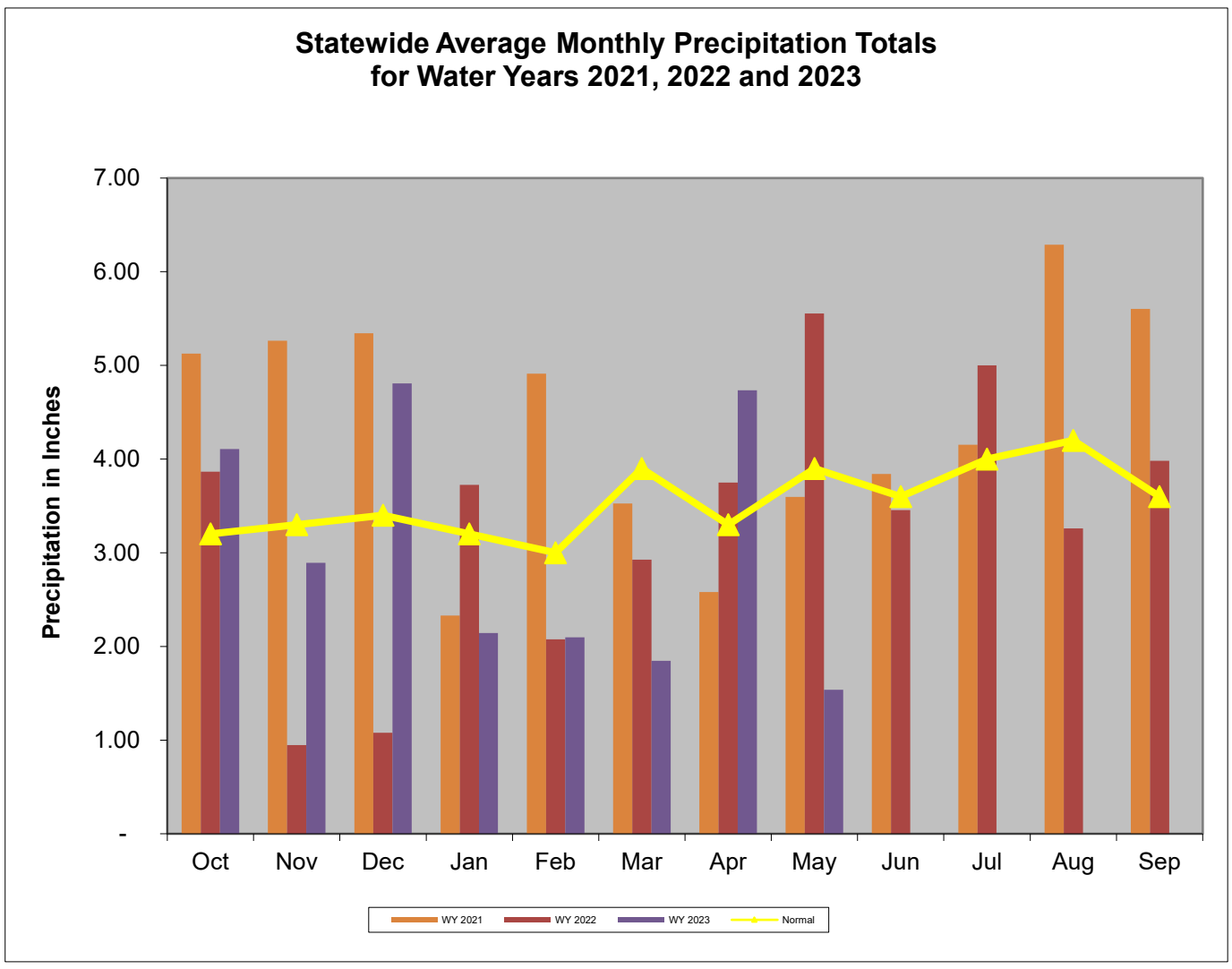
Overall Hydrologic Status for Maryland

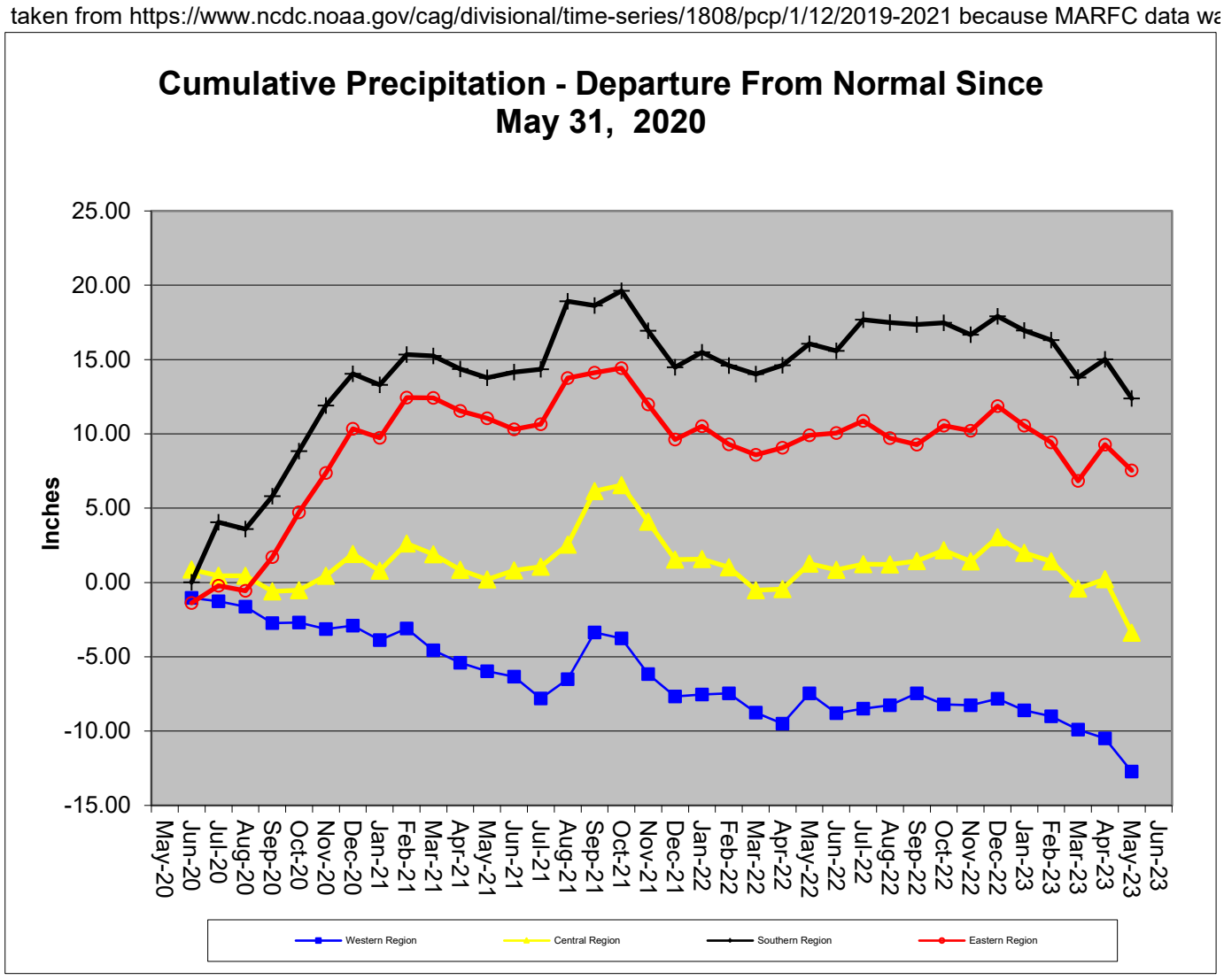
Summary of Hydrologic Indicators for 31-May 2023					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Watch	Normal	Warning	Normal	Watch
Central	Normal	Watch	Watch	Normal	Watch
Eastern	Normal	Normal	Normal		Normal
Southern	Watch		Normal		Normal

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	
Regions	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**	**Percent of 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 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 31 May 2023 (WY 2023)

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY[1] To Date (Since September 30, 2022)				12 Months (Since May 31, 2022)				3 Months (Since February 28, 2023)				6 Months (Since November 30, 2022)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	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%
	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%
	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%
	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%
CENTRAL REGION	BALTIMORE COUNTY	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%
	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%
	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%
	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%
	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%
	MONTGOMERY	27.8	22.2	-5.6	80%	43.1	38.3	-4.8	89%	11.6	6.5	-5.1	56%	20.8	16.2	-4.6	78%
	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%
SOUTHERN REGION	ANNE ARUNDEL	27.3	22.7	-4.6	83%	42.3	39.6	-2.7	94%	11.6	7.3	-4.3	63%	20.4	16.0	-4.4	78%
	CALVERT	28.6	23.8	-4.8	83%	44.3	39.4	-4.9	89%	11.8	8.2	-3.6	69%	21.6	17.1	-4.5	79%
	CHARLES	27.4	22.2	-5.2	81%	42.8	37.6	-5.2	88%	11.1	6.8	-4.3	61%	20.5	16.6	-3.9	81%
	PRINCE GEORGES	27.3	21.0	-6.3	77%	42.3	37.2	-5.1	88%	11.2	6.8	-4.4	61%	20.2	15.1	-5.1	75%
	ST MARYS	28.3	24.3	-4.0	86%	44.0	43.5	-0.5	99%	11.6	8.5	-3.1	73%	21.3	17.7	-3.6	83%
	Regional Average	27.8	22.8	-5.0	82%	43.1	39.5	-3.7	91%	11.5	7.5	-3.9	66%	20.8	16.5	-4.3	79%
EASTERN REGION	CAROLINE	27.7	26.8	-0.9	97%	43.3	42.7	-0.6	99%	11.6	10.1	-1.5	87%	20.9	18.7	-2.2	89%
	DORCHESTER	27.7	26.5	-1.2	96%	43.6	42.8	-0.8	98%	11.6	9.6	-2.0	83%	21.0	18.2	-2.8	87%
	KENT	28.0	25.2	-2.8	90%	43.5	39.5	-4.0	91%	11.7	8.5	-3.2	73%	21.2	17.7	-3.5	83%
	QUEEN ANNES	27.7	26.3	-1.4	95%	43.1	41.0	-2.1	95%	11.6	9.4	-2.2	81%	20.9	18.3	-2.6	88%
	SOMERSET	27.0	27.4	0.4	101%	43.0	40.7	-2.3	95%	11.1	10.4	-0.7	94%	20.6	19.5	-1.1	95%
	TALBOT	28.1	25.5	-2.6	91%	43.8	41.7	-2.1	95%	11.7	9.3	-2.4	79%	21.2	18.2	-3.0	86%
	WICOMICO	27.8	25.4	-2.4	91%	43.8	42.3	-1.5	97%	11.4	9.8	-1.6	86%	21.3	18.4	-2.9	86%
	WORCESTER	28.2	25.2	-3.0	89%	44.3	38.8	-5.5	88%	11.2	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%
INDEPENDENT CITY OF BALTIMORE		29.5	24.2	-5.3	82%	45.1	41.2	-3.9	91%	12.3	7.1	-5.2	58%	21.9	16.1	-5.8	74%
Statewide 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%

WY[1] - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2023 May 31

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (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	
Western	GA Bc 1	13.66	Normal	Warning
	AL Ah 1	4.54	Normal	
	WA Be 2	32.78	Warning	
	WA Bk 25	48.74	Emergency	
Central	BA Dc 444	39.62	Watch	Watch
	BA Ea 18	24.13	Emergency	
	HA Bd 31	10.79	Watch	
	HA Ca 23	7.12	Watch	
	MO Cc 14	32.33	Watch	
Eastern	QA Cg 69	3.41	Normal	Normal
	WI Cg 20	4.73	Normal	
	MC51-01	12.30	Watch	
	SO Cf 2	2.44	Normal	
Southern	CH Bg 12 (unconfined)	4.42	Warning	***Normal***
	AA Cc 40 (confined)	NA[2]	Unknown	
	CA Fd 54 (confined)	238.82	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 2023-6-6
[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

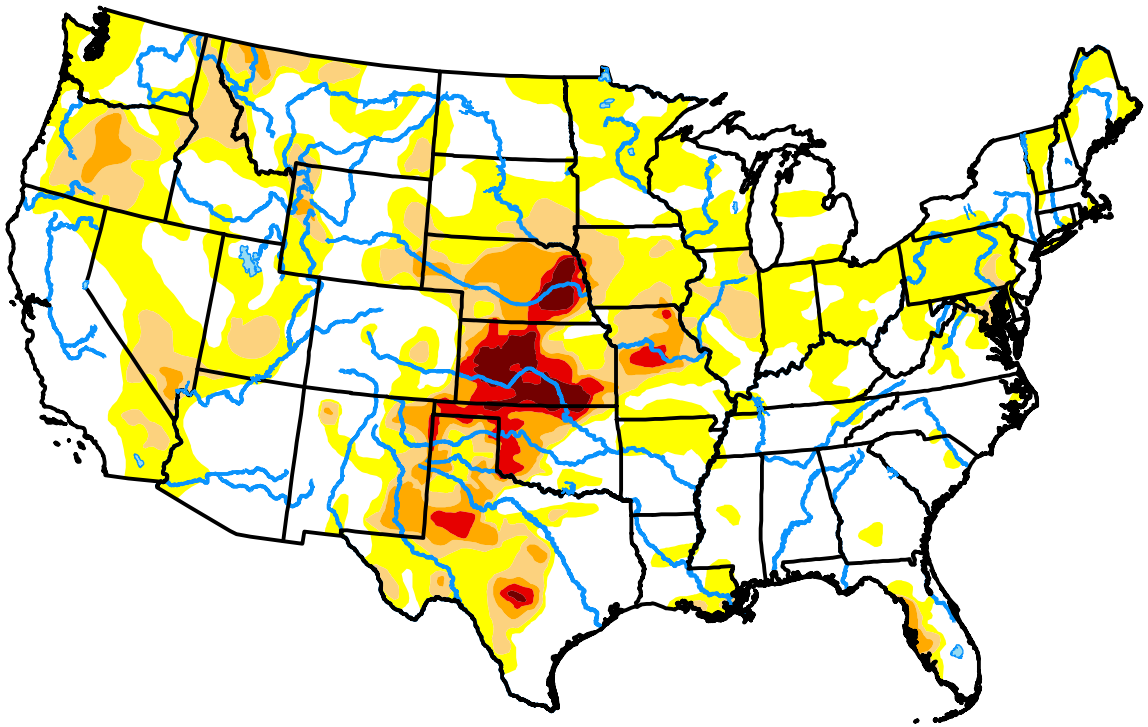
U.S. Drought Monitor

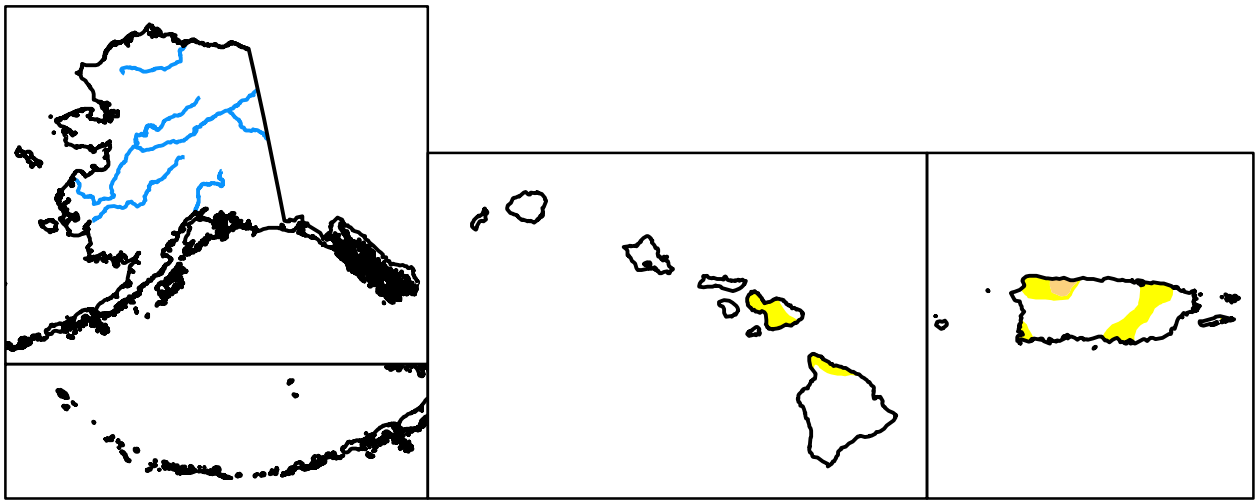
U.S. States and Puerto Rico

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
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- 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

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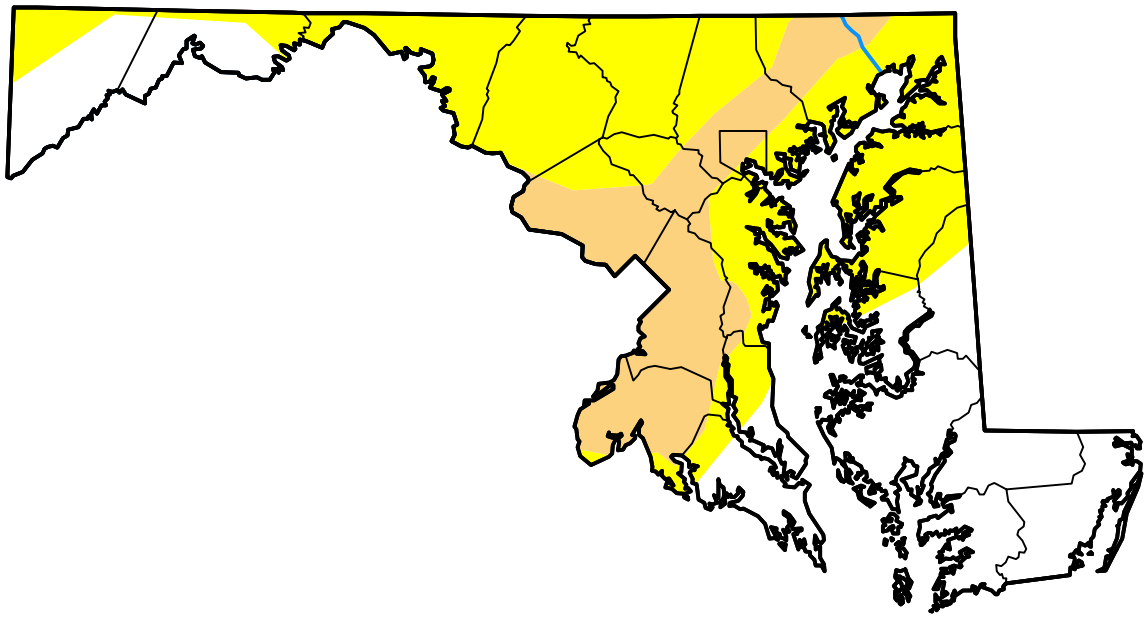
U.S. Drought Monitor

Maryland



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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
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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