

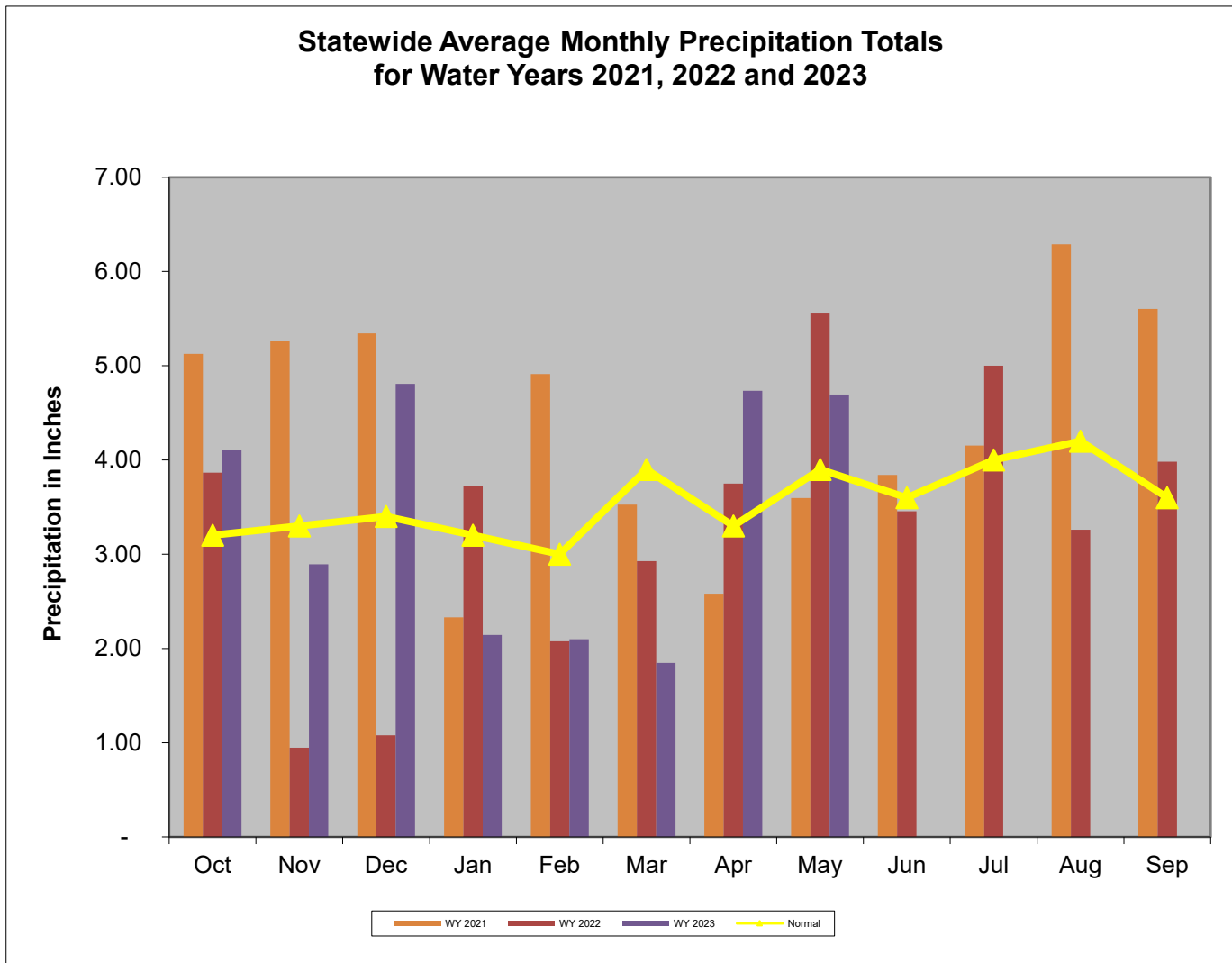
## Overall Hydrologic Status for Maryland

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

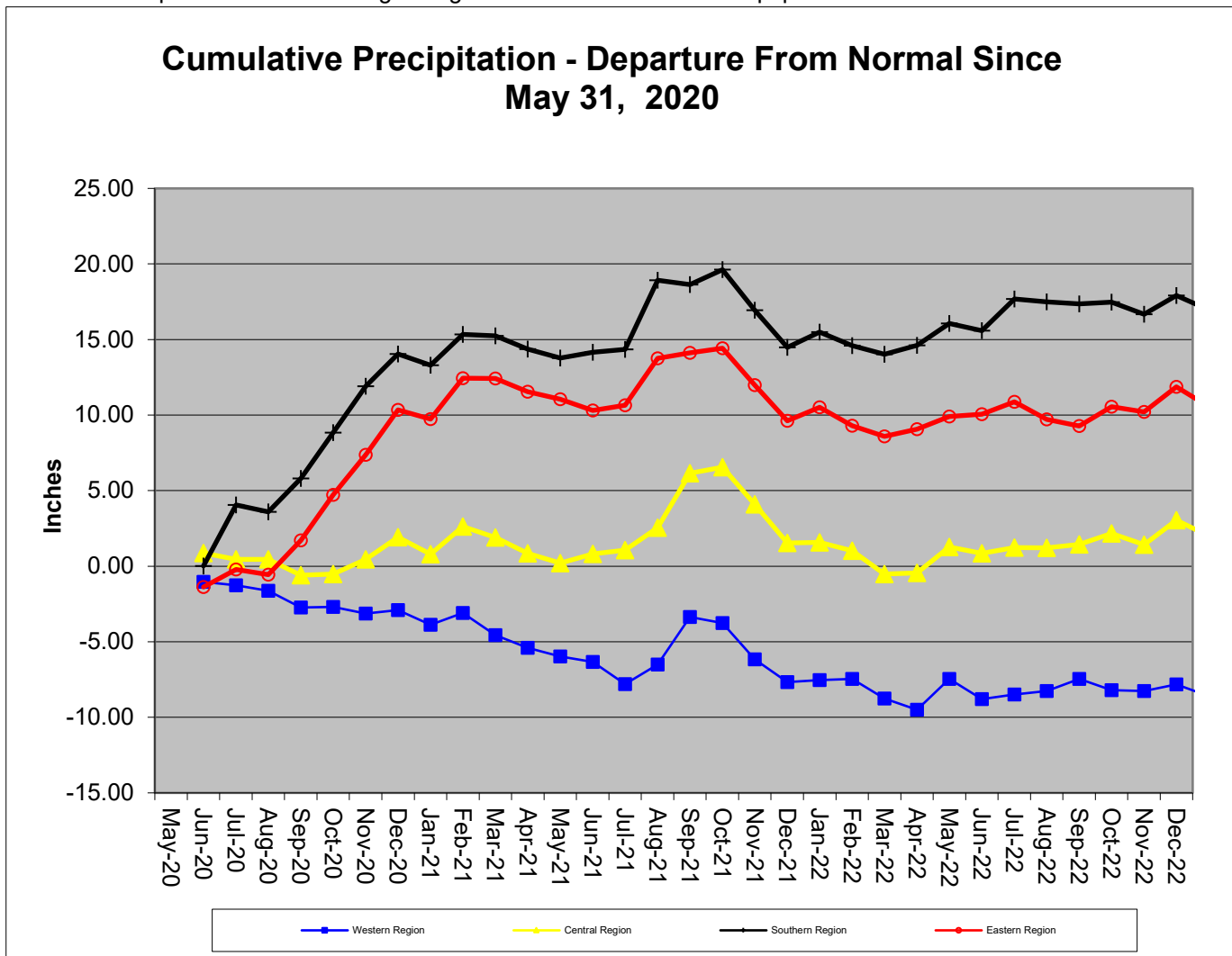
Notes: Reservoir data not available for the mid-month evaluation

Precipitation Indicators for Maryland Drought Regions						
May 15, 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	87%	Normal	88%	Normal	98%	Normal
Central	95%	Normal	91%	Normal	101%	Normal
Eastern	100%	Normal	94%	Normal	100%	Normal
Southern	90%	Normal	88%	Normal	101%	Normal

WY or Water Year begins on October 1



Data downloaded from [http://www.weather.gov/marfc/Precipitation\\_Departures](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 May 2023 (WY 2023)**

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY <sup>1</sup> 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	25.4	23.4	-2.0	92%	39.4	37.4	-2.0	95%	10.5	9.1	-1.4	87%	19.4	17.5	-1.9	90%
	GARRETT	29.1	26.1	-3.0	90%	46.0	44.2	-1.8	96%	12.5	12.1	-0.4	97%	22.3	20.3	-2.0	91%
	WASHINGTON	26.0	22.0	-4.0	85%	40.3	35.1	-5.2	87%	10.6	8.0	-2.6	75%	19.6	16.9	-2.7	86%
	Regional Average	26.8	23.8	-3.0	89%	41.9	38.9	-3.0	93%	11.2	9.7	-1.5	87%	20.4	18.2	-2.2	89%
CENTRAL REGION	BALTIMORE COUNTY	29.5	27.8	-1.7	94%	45.1	44.8	-0.3	99%	12.0	10.3	-1.7	86%	21.9	19.7	-2.2	90%
	CARROLL	28.1	26.8	-1.3	95%	43.5	40.2	-3.3	92%	11.4	11.3	-0.1	99%	21.0	20.5	-0.5	98%
	CECIL	28.3	29.5	1.2	104%	44.2	47.0	2.8	106%	11.6	11.4	-0.2	98%	21.2	21.0	-0.2	99%
	FREDERICK	27.6	25.7	-1.9	93%	42.4	37.5	-4.9	88%	11.4	10.6	-0.8	93%	20.7	19.9	-0.8	96%
	HARFORD	29.2	29.6	0.4	101%	45.7	49.1	3.4	107%	11.7	10.1	-1.6	86%	21.7	20.1	-1.6	93%
	HOWARD	28.8	25.9	-2.9	90%	44.1	40.6	-3.5	92%	11.7	9.6	-2.1	82%	21.5	19.7	-1.8	92%
	MONTGOMERY	27.4	24.9	-2.5	91%	42.7	41.0	-1.7	96%	11.2	9.2	-2.0	82%	20.4	18.9	-1.5	93%
	Regional Average	28.4	27.2	-1.2	96%	44.0	42.9	-1.1	98%	11.6	10.4	-1.2	90%	21.2	20.0	-1.2	94%
SOUTHERN REGION	ANNE ARUNDEL	26.9	24.8	-2.1	92%	41.9	41.7	-0.2	100%	11.2	9.4	-1.8	84%	20.0	18.1	-1.9	91%
	CALVERT	28.3	27.0	-1.3	95%	44.0	42.6	-1.4	97%	11.5	11.4	-0.1	99%	21.3	20.3	-1.0	95%
	CHARLES	27.1	25.1	-2.0	93%	42.5	40.5	-2.0	95%	10.8	9.7	-1.1	90%	20.2	19.5	-0.7	97%
	PRINCE GEORGES	27.1	23.1	-4.0	85%	42.1	39.3	-2.8	93%	11.0	8.9	-2.1	81%	20.0	17.2	-2.8	86%
	ST MARYS	28.0	27.5	-0.5	98%	43.7	46.7	3.0	107%	11.3	11.7	0.4	104%	21.0	20.9	-0.1	100%
	Regional Average	27.5	25.5	-2.0	93%	42.8	42.2	-0.7	98%	11.2	10.2	-0.9	92%	20.5	19.2	-1.3	94%
EASTERN REGION	CAROLINE	27.5	31.7	4.2	115%	43.1	47.6	4.5	110%	11.4	15.0	3.6	132%	20.7	23.6	2.9	114%
	DORCHESTER	27.5	30.5	3.0	111%	43.4	46.8	3.4	108%	11.4	13.6	2.2	119%	20.8	22.2	1.4	107%
	KENT	27.7	29.4	1.7	106%	43.2	43.7	0.5	101%	11.4	12.7	1.3	111%	20.9	21.9	1.0	105%
	QUEEN ANNES	27.5	30.6	3.1	111%	42.9	45.3	2.4	106%	11.4	13.7	2.3	120%	20.7	22.6	1.9	109%
	SOMERSET	27.0	30.3	3.3	112%	43.0	43.6	0.6	101%	11.1	13.3	2.2	120%	20.6	22.4	1.8	109%
	TALBOT	27.8	29.2	1.4	105%	43.5	45.4	1.9	104%	11.4	13.0	1.6	114%	20.9	21.9	1.0	105%
	WICOMICO	27.7	29.0	1.3	105%	43.7	45.9	2.2	105%	11.3	13.4	2.1	119%	21.2	22.0	0.8	104%
	WORCESTER	28.1	28.4	0.3	101%	44.2	42.0	-2.2	95%	11.1	12.8	1.7	115%	21.3	21.3	0.0	100%
Regional Average	27.6	29.9	2.3	108%	43.4	45.0	1.7	104%	11.3	13.4	2.1	119%	20.9	22.2	1.4	106%	
INDEPENDENT CITY OF BALTIMORE		29.2	27.4	-1.8	94%	44.8	44.4	-0.4	99%	12.0	10.3	-1.7	86%	21.6	19.3	-2.3	89%
<b>Statewide Average</b>		27.8	27.3	-0.5	98%	43.3	43.0	-0.3	99%	11.4	11.3	-0.1	99%	20.9	20.3	-0.6	97%

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

Ground Water Status for 15 May 2023				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	9.88	Normal	Watch
	AL Ah 1	2.52 [2]	Normal	
	WA Be 2	31.35 [2]	Watch	
	WA Bk 25	47.45	Emergency	
Central	BA Dc 444	39.62	Watch	Watch
	BA Ea 18	24.13	Emergency	
	HA Bd 31	10.78	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)	3.32	Watch	Normal
	AA Cc 40 (confined)	NA[2]	Unknown	
	CA Fd 54 (confined)	237.12	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 2023-5-23 [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.usgs.gov/nwis)

### Stream Flow Status Based on Thirty Day Average for 2023 May 15

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		535	75%-80%	Normal
Western	Savage River (near Barton)		103.6	40%-45%	Normal
Western	Wills Creek (near Cumberland)		476	40%-45%	Normal
Western	Marsh Run (at Grimes)		9.5	10%-15%	Watch
Central	Catoctin Creek (near Middletown)		63.0	20%-25%	Watch
Central	Monocacy (Jug Bridge near Frederick)		1,107	55%-50%	Normal
Central	Patuxent (near Unity)		31.6	15%-20%	Watch
Central	Deer Cr (at Rocks)		113.0	25%-30%	Normal
Eastern	Choptank (near Greensboro)		299.3	90%-95%	Normal
Eastern	Nassawango Creek (near Snow Hill)		31.2	25%-30%	Normal
	Susquehanna (at Marietta)		52,197	50%-55%	Normal
	Potomac (at Little Falls)(Adjusted)		11,535	30%-35%	Normal

**Notes:**

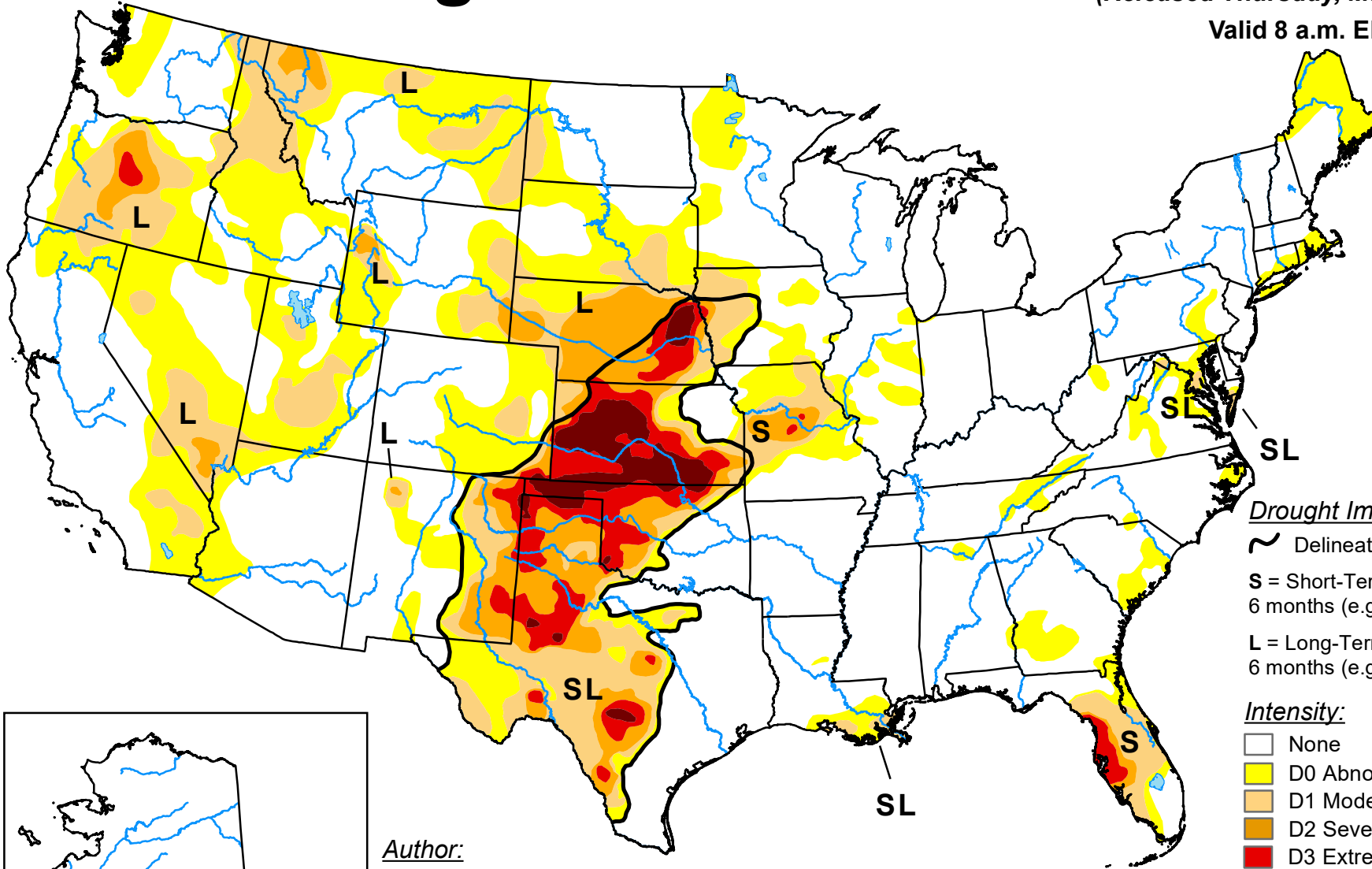
This is a mid-month evaluation, based on 4/15-5/15

# U.S. Drought Monitor

May 16, 2023

(Released Thursday, May. 18, 2023)

Valid 8 a.m. EDT



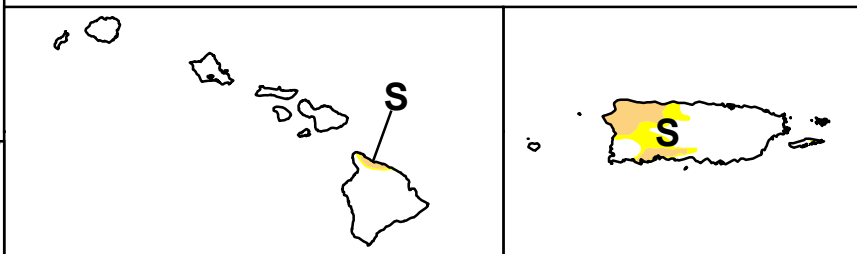
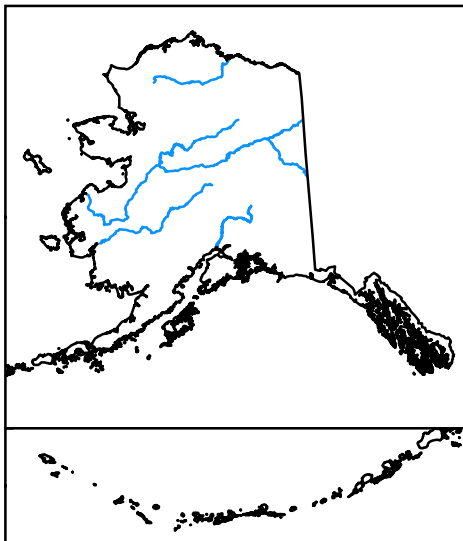
### Drought Impact Types:

- Delineates dominant impacts
- S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

### Intensity:

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

**Author:**  
Brad Rippey  
U.S. Department of Agriculture



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>



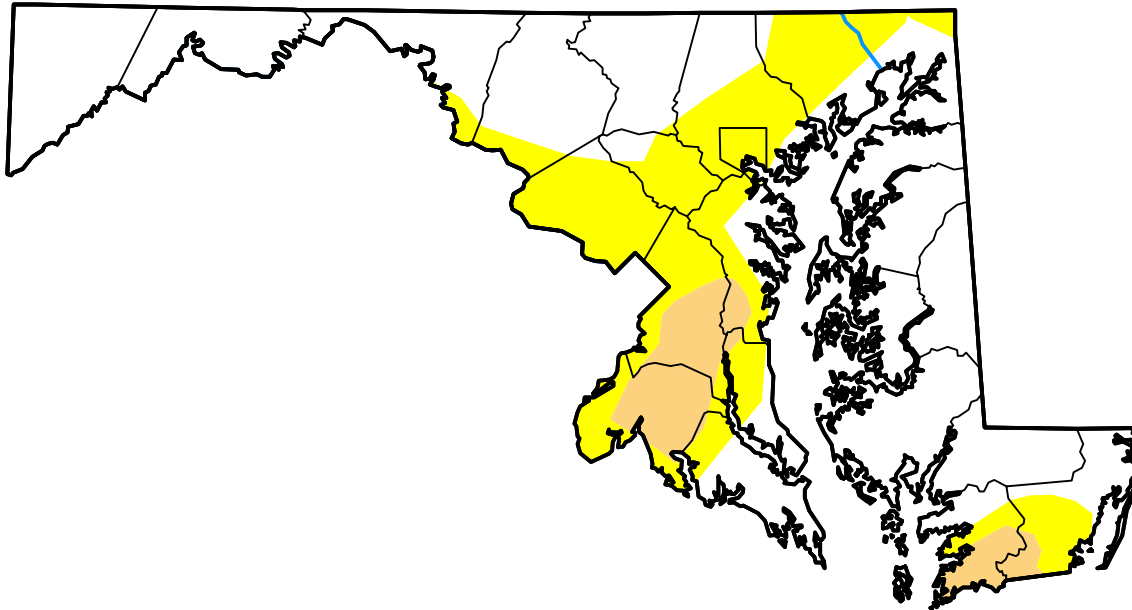
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# U.S. Drought Monitor Maryland

**May 16, 2023**  
(Released Thursday, May. 18, 2023)  
Valid 8 a.m. EDT

### Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	64.92	35.08	7.74	0.00	0.00	0.00
<b>Last Week</b> <i>05-09-2023</i>	48.47	51.53	7.86	0.00	0.00	0.00
<b>3 Months Ago</b> <i>02-14-2023</i>	90.50	9.50	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-03-2023</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-27-2022</i>	65.82	34.18	6.75	0.00	0.00	0.00
<b>One Year Ago</b> <i>05-17-2022</i>	93.95	6.05	0.00	0.00	0.00	0.00



### Intensity:



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### Author:

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U.S. Department of Agriculture



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