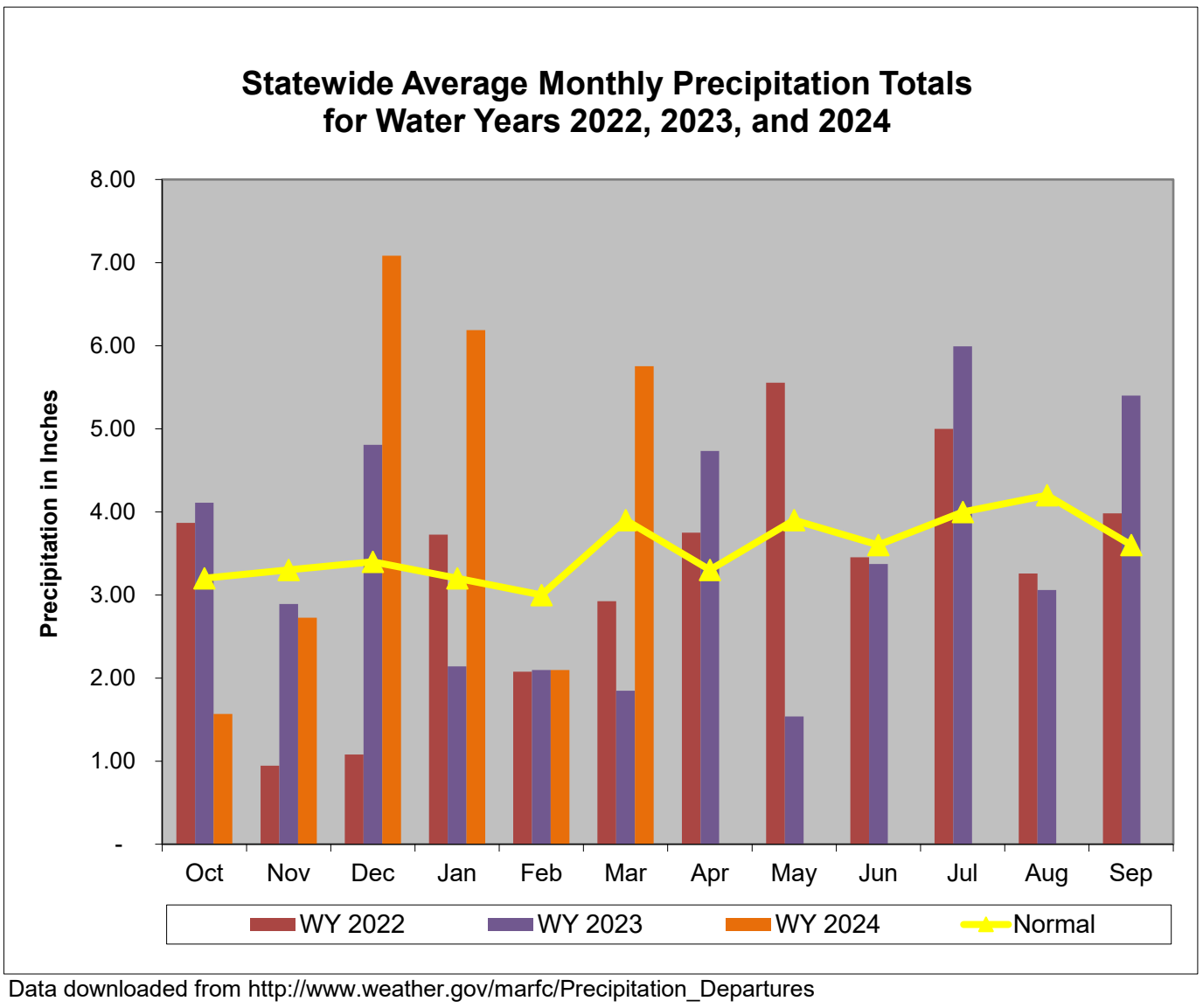
Overall Hydrologic Status for Maryland

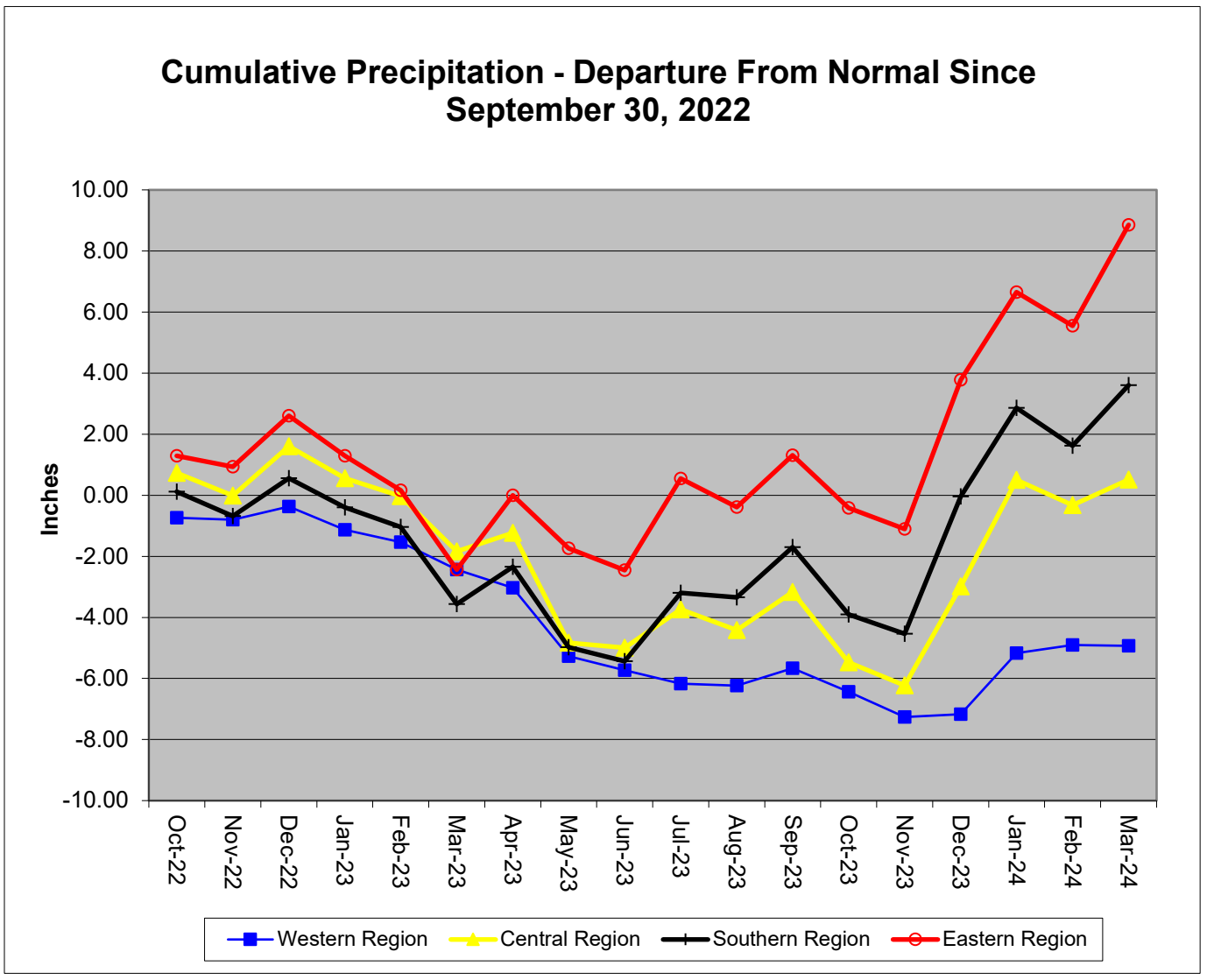
Summary of Hydrologic Indicators for 31 March 2024					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Normal	Normal	Normal	Normal	Normal
Central	Normal	Normal	Normal	Normal	Normal
Eastern	Normal	Normal	Normal		Normal
Southern	Normal		Normal		Normal

Notes:

Precipitation Indicators for Maryland Drought Regions March 31, 2024						
	Since Sept 30, 2023		Since Sept 30, 2023		Since March 31, 2023	
Regions	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**
Western	104%	Normal	104%	Normal	94%	Normal
Central	118%	Normal	118%	Normal	105%	Normal
Eastern	137%	Normal	137%	Normal	126%	Normal
Southern	126%	Normal	126%	Normal	117%	Normal
WY or Water Year begins on October 1.						



Data downloaded from http://www.weather.gov/marfc/Precipitation_Departures



Precipitation in Maryland Counties
as of 31 March 2024 (WY 2024)

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY[1] To Date (Since September 30, 2023)				12 Months (Since March 31, 2023)				3 Months (Since December 31, 2023)				6 Months (Since September 30, 2023)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	17.7	17.9	0.2	101%	39.3	36.6	-2.7	93%	8.8	10.6	1.8	120%	17.7	17.9	0.2	101%
	GARRETT	21.5	22.3	0.8	104%	47.2	46.0	-1.2	97%	11.1	13.6	2.5	123%	21.5	22.3	0.8	104%
	WASHINGTON	18.2	19.4	1.2	107%	39.9	36.3	-3.6	91%	8.8	11.2	2.4	127%	18.2	19.4	1.2	107%
	Regional Average	19.1	19.9	0.7	104%	42.1	39.6	-2.5	94%	9.6	11.8	2.2	123%	19.1	19.9	0.7	104%
CENTRAL REGION	BALTIMORE COUNTY	21.8	26.0	4.2	119%	45.7	50.1	4.4	110%	10.6	14.5	3.9	137%	21.8	26.0	4.2	119%
	CARROLL	20.3	22.3	2.0	110%	43.6	40.7	-2.9	93%	9.8	12.5	2.7	128%	20.3	22.3	2.0	110%
	CECIL	21.0	28.9	7.9	138%	45.0	55.7	10.7	124%	10.2	15.5	5.3	152%	21.0	28.9	7.9	138%
	FREDERICK	19.6	21.4	1.8	109%	42.4	39.5	-2.9	93%	9.5	12.3	2.8	129%	19.6	21.4	1.8	109%
	HARFORD	21.4	27.2	5.8	127%	45.9	52.4	6.5	114%	10.3	15.1	4.8	147%	21.4	27.2	5.8	127%
	HOWARD	21.1	23.2	2.1	110%	44.5	44.4	-0.1	100%	10.3	12.7	2.4	123%	21.1	23.2	2.1	110%
	MONTGOMERY	19.8	21.8	2.0	110%	42.8	43.6	0.8	102%	9.6	12.2	2.6	127%	19.8	21.8	2.0	110%
	Regional Average	20.7	24.4	3.7	118%	44.3	46.6	2.4	105%	10.0	13.5	3.5	135%	20.7	24.4	3.7	118%
SOUTHERN REGION	ANNE ARUNDEL	20.2	25.9	5.7	128%	42.9	51.4	8.5	120%	9.9	13.7	3.8	138%	20.2	25.9	5.7	128%
	CALVERT	20.7	26.8	6.1	129%	44.2	53.7	9.5	121%	10.2	13.9	3.7	136%	20.7	26.8	6.1	129%
	CHARLES	19.9	25.0	5.1	126%	42.6	47.7	5.1	112%	9.7	13.3	3.6	137%	19.9	25.0	5.1	126%
	PRINCE GEORGES	20.0	23.8	3.8	119%	42.5	48.3	5.8	114%	9.6	12.7	3.1	132%	20.0	23.8	3.8	119%
	ST MARYS	20.7	26.5	5.8	128%	43.9	50.8	6.9	116%	10.3	14.3	4.0	139%	20.7	26.5	5.8	128%
	Regional Average	20.3	25.6	5.3	126%	43.2	50.4	7.2	117%	9.9	13.6	3.6	137%	20.3	25.6	5.3	126%
EASTERN REGION	CAROLINE	20.3	29.2	8.9	144%	43.5	59.9	16.4	138%	10.1	16.1	6.0	159%	20.3	29.2	8.9	144%
	DORCHESTER	66.9	74.7	7.8	112%	44.1	56.4	12.3	128%	10.5	15.3	4.8	146%	20.7	28.5	7.8	138%
	KENT	65.2	72.4	7.2	111%	43.6	54.1	10.5	124%	10.1	15.1	5.0	150%	20.4	27.6	7.2	135%
	QUEEN ANNES	65.9	73.0	7.1	111%	43.5	54.6	11.1	126%	10.1	15.1	5.0	150%	20.4	27.5	7.1	135%
	SOMERSET	64.6	73.6	9.0	114%	43.3	55.0	11.7	127%	10.7	16.6	5.9	155%	20.4	29.4	9.0	144%
	TALBOT	63.8	70.7	6.9	111%	44.0	53.0	9.0	120%	10.3	15.1	4.8	147%	20.7	27.6	6.9	133%
	WICOMICO	65.8	73.7	7.9	112%	44.1	56.6	12.5	128%	10.9	15.8	4.9	145%	20.9	28.8	7.9	138%
	WORCESTER	62.7	68.2	5.5	109%	44.4	51.2	6.8	115%	11.0	15.2	4.2	138%	21.4	26.9	5.5	126%
	Regional Average	59.4	66.9	7.5	113%	43.8	55.1	11.3	126%	10.5	15.5	5.1	149%	20.7	28.2	7.5	137%
INDEPENDENT CITY OF BALTIMORE		21.8	26.0	4.2	119%	45.7	50.1	4.4	110%	10.6	14.5	3.9	137%	21.8	26.0	4.2	119%
Statewide Average		33.4	38.3	5.0	115%	43.7	49.5	5.8	113%	10.1	14.0	3.9	139%	20.5	25.4	5.0	124%

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

Stream Flow Status Based on Thirty Day Average for 2024 March 31

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		446	25%-30%	Normal
Western	Savage River (near Barton)		151.6	40%-45%	Normal
Western	Wills Creek (near Cumberland)		699	50%-55%	Normal
Western	Marsh Run (at Grimes)		21.5	65%-70%	Normal
Central	Catoctin Creek (near Middletown)		169.8	60%-65%	Normal
Central	Monocacy (Jug Bridge near Frederick)		1,985	60%-65%	Normal
Central	Patuxent (near Unity)		60.5	55%-60%	Normal
Central	Deer Cr (at Rocks)		183.4	65%-70%	Normal
Eastern	Choptank (near Greensboro)		477.3	90%-95%	Normal
Eastern	Nassawango Creek (near Snow Hill)		278.4	95%-100%	Normal
	Susquehanna (at Marietta)		79,139	60%-65%	Normal
	Potomac (at Little Falls)(Adjusted)		20,417	45%-50%	Normal

Notes:

Ground Water Status for 31 March 2024				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	12.70	Watch	Normal
	AL Ah 1	3.81	Normal	
	WA Be 2	23.62	Normal	
	WA Bk 25	39.38	Normal	
Central	BA Dc 444	39.12	Normal	Normal
	BA Ea 18	21.64	Normal	
	HA Bd 31	5.18	Normal	
	HA Ca 23	5.22	Normal	
	MO Cc 14	25.11	Normal	
Eastern	QA Cg 69	1.71	Normal	Normal
	WI Cg 20	4.13	Normal	
	MC51-01	6.94	Normal	
	SO Cf 2	0.92	Normal	
Southern	CH Bg 12 (unconfined)	2.13	Normal	***Normal***
	CA Fd 54 (confined)	239.31	On Trend[4]	

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2024-04-03
[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.

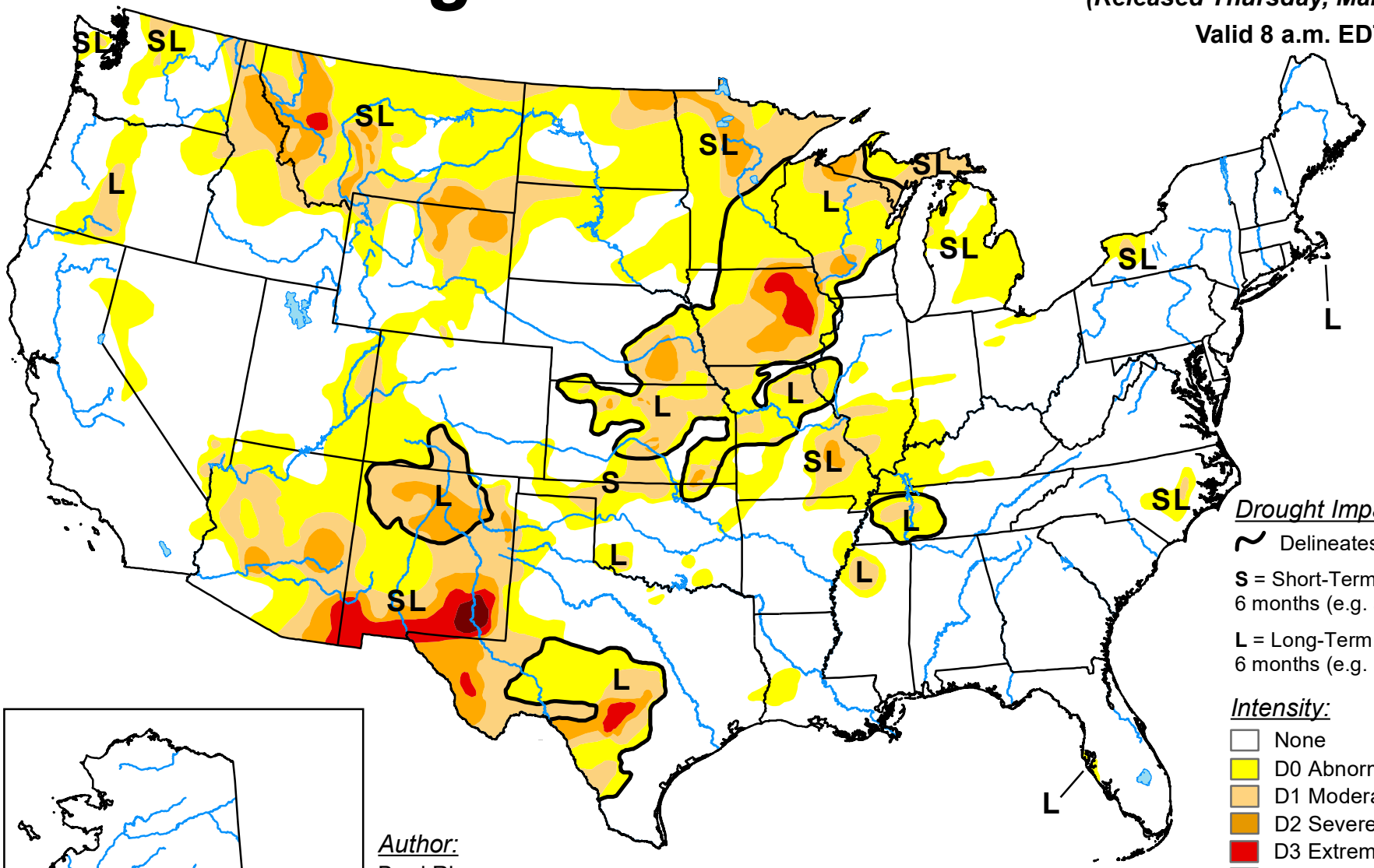
Selected ground water levels are available from USGS at:
http://md.water.usgs.gov/groundwater/
Data for other wells may be downloaded from:
USGS - NWIS Web Information for USA

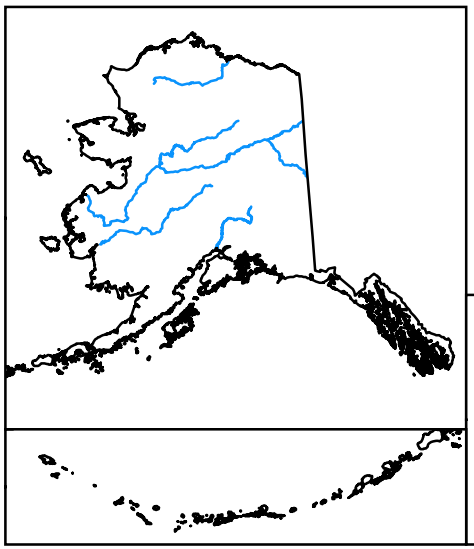
U.S. Drought Monitor

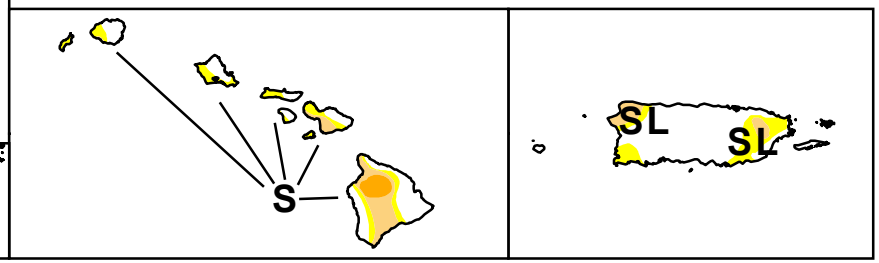
March 26, 2024

(Released Thursday, Mar. 28, 2024)

Valid 8 a.m. EDT







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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

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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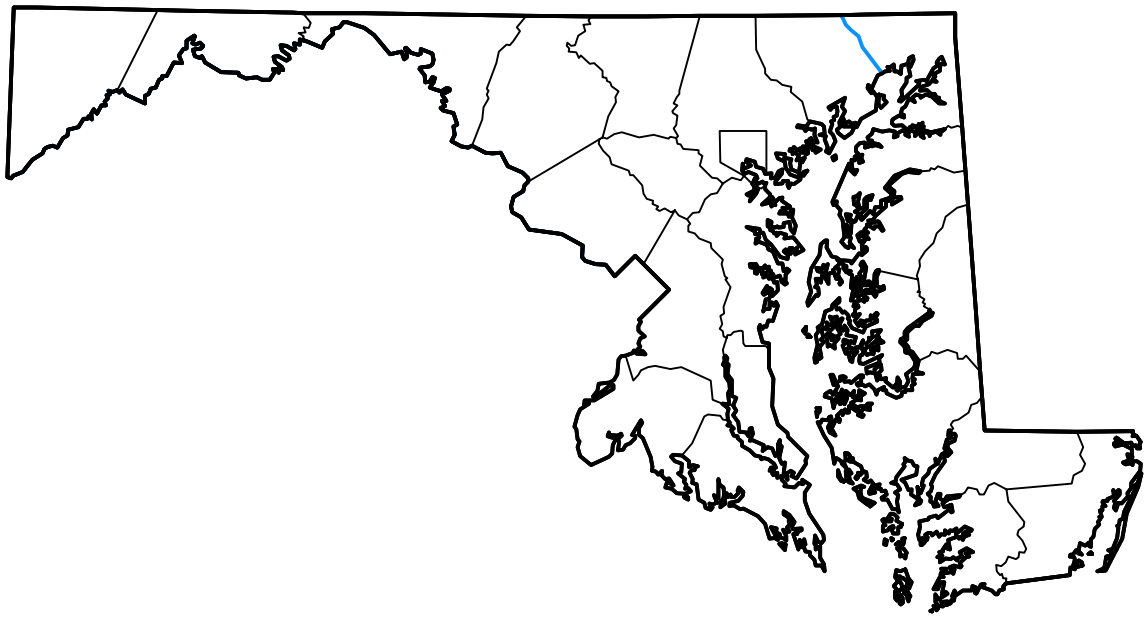
U.S. Drought Monitor

Maryland



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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week *03-19-2024*	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago *12-26-2023*	60.44	39.56	0.00	0.00	0.00	0.00
Start of Calendar Year *01-02-2024*	70.35	29.65	0.00	0.00	0.00	0.00
Start of Water Year *09-26-2023*	63.11	36.89	3.30	0.47	0.00	0.00
One Year Ago *03-28-2023*	31.89	68.11	26.93	0.00	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
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