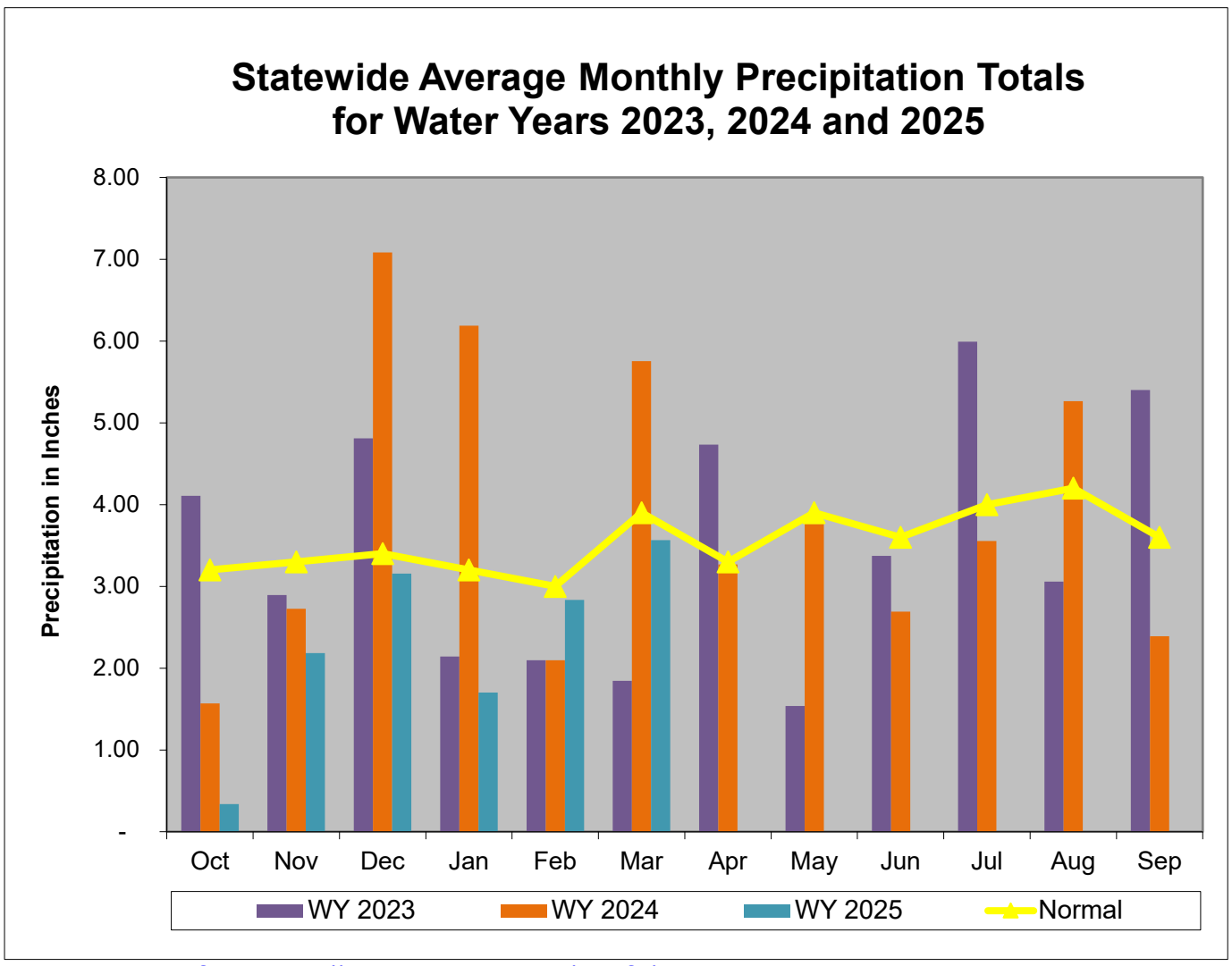
Overall Hydrologic Status for Maryland

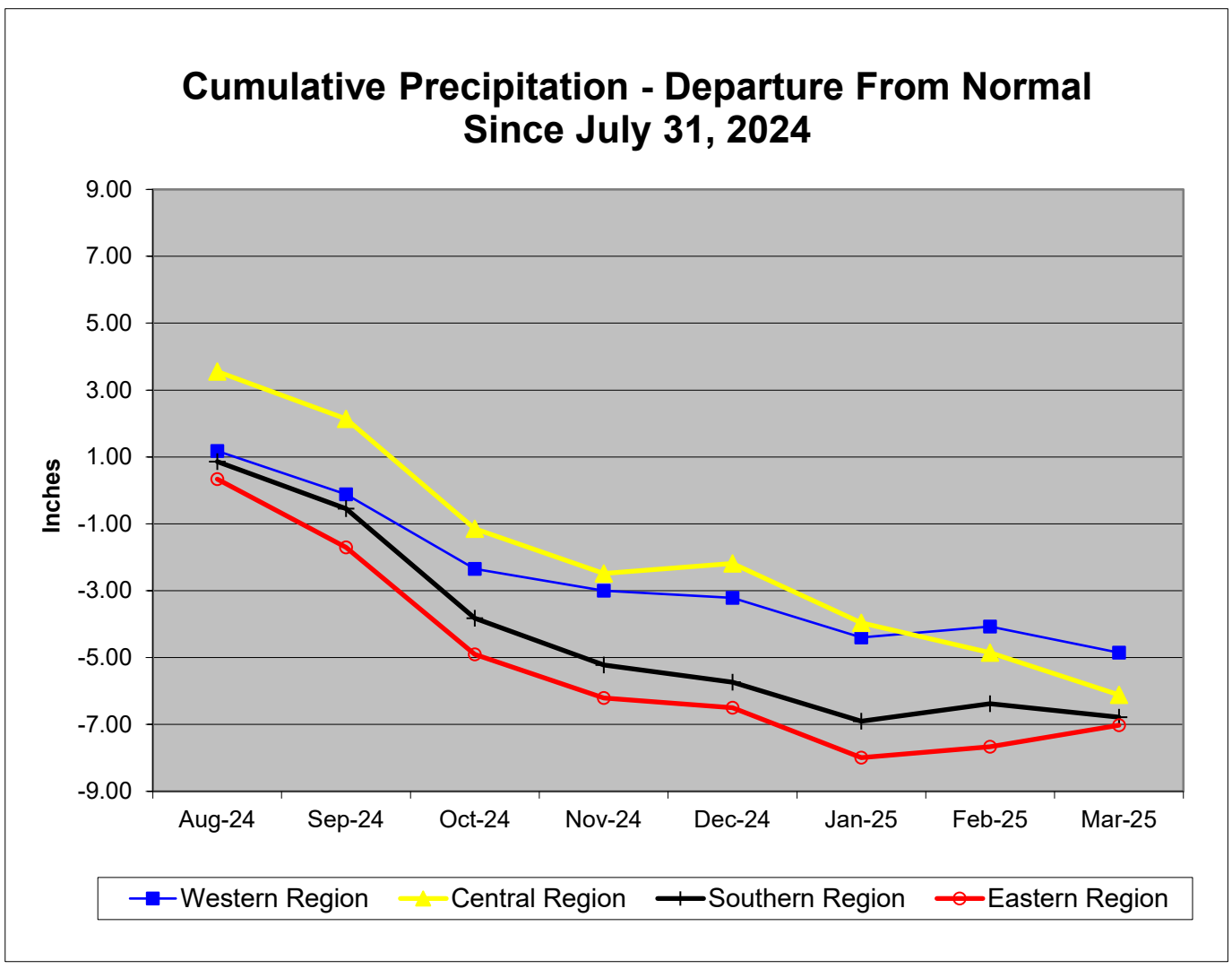
Summary of Hydrologic Indicators for 31 March 2025					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Watch	Emergency	Emergency	Normal	Warning
Central	Emergency	Emergency	Warning	Normal	Warning
Eastern	Watch	Emergency	Warning		Warning
Southern	Warning		Watch		Warning

Notes:
WSSC has extended their drought Watch as of November 7th:
https://www.mwcog.org/newsroom/2024/11/07/officials-extend-drought-watch-for-dc-region-drought/

Precipitation Indicators for Maryland Drought Regions March 31, 2025						
	Since Sept 30, 2024		Since Sept 30, 2024		Since March 31, 2024	
Regions	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**
Western	76%	Watch	76%	Watch	85%	Watch
Central	60%	Emergency	60%	Emergency	81%	Watch
Eastern	74%	Watch	74%	Watch	81%	Watch
Southern	69%	Warning	69%	Warning	74%	Warning
WY or Water Year begins on October 1.						



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



Precipitation in Maryland Counties
as of 31 March 2025 (WY 2025)

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY[1] To Date (Since September 30, 2024)				12 Months (Since March 31, 2024)				3 Months (December 31, 2024)				6 Months (September 30, 2024)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	17.5	10.2	-7.3	59%	39.1	31.3	-7.8	80%	8.7	5.3	-3.4	61%	17.5	10.2	-7.3	59%
	GARRETT	20.8	17.5	-3.3	84%	46.4	40.9	-5.5	88%	10.9	7.9	-3.0	73%	20.8	17.5	-3.3	84%
	WASHINGTON	20.7	17.0	-3.7	82%	43.9	37.4	-6.5	85%	10.8	12.3	1.5	114%	20.7	17.0	-3.7	82%
	Regional Average	19.7	14.9	-4.7	76%	43.1	36.5	-6.6	85%	10.1	8.5	-1.6	84%	19.7	14.9	-4.7	76%
CENTRAL REGION	BALTIMORE COUNTY	21.6	12.6	-9.0	58%	45.3	36.1	-9.2	80%	10.5	6.1	-4.4	58%	21.6	12.6	-9.0	58%
	CARROLL	20.2	11.5	-8.8	57%	43.5	35.7	-7.9	82%	9.8	5.1	-4.7	52%	20.2	11.5	-8.8	57%
	CECIL	20.9	14.2	-6.7	68%	44.9	36.4	-8.5	81%	10.2	7.8	-2.4	76%	20.9	14.2	-6.7	68%
	FREDERICK	19.4	10.5	-8.9	54%	42.2	34.3	-7.9	81%	9.4	4.9	-4.5	52%	19.4	10.5	-8.9	54%
	HARFORD	21.2	12.9	-8.3	61%	45.7	34.7	-11.0	76%	10.2	6.3	-3.9	62%	21.2	12.9	-8.3	61%
	HOWARD	20.9	12.6	-8.2	61%	44.3	37.0	-7.2	84%	10.2	6.3	-3.9	62%	20.9	12.6	-8.2	61%
	MONTGOMERY	19.6	11.7	-8.0	59%	42.6	34.4	-8.2	81%	9.5	5.9	-3.6	62%	19.6	11.7	-8.0	59%
	Regional Average	20.5	12.3	-8.3	60%	44.1	35.5	-8.6	81%	10.0	6.0	-3.9	61%	20.5	12.3	-8.3	60%
SOUTHERN REGION	ANNE ARUNDEL	20.0	13.3	-6.7	66%	42.7	32.9	-9.8	77%	9.8	7.8	-2.1	79%	20.0	13.3	-6.7	66%
	CALVERT	20.5	14.3	-6.2	70%	44.0	30.7	-13.2	70%	10.1	9.4	-0.7	93%	20.5	14.3	-6.2	70%
	CHARLES	19.7	13.2	-6.5	67%	42.4	30.3	-12.1	71%	9.6	8.5	-1.1	89%	19.7	13.2	-6.5	67%
	PRINCE GEORGES	19.8	13.3	-6.5	67%	42.4	31.8	-10.6	75%	9.5	8.0	-1.5	84%	19.8	13.3	-6.5	67%
	ST MARYS	20.5	15.2	-5.3	74%	43.6	33.2	-10.5	76%	10.2	10.4	0.2	102%	20.5	15.2	-5.3	74%
	Regional Average	20.1	13.8	-6.2	69%	43.0	31.8	-11.2	74%	9.8	8.8	-1.1	89%	20.1	13.8	-6.2	69%
EASTERN REGION	CAROLINE	20.2	15.7	-4.5	78%	43.4	35.9	-7.5	83%	10.1	10.3	0.3	102%	20.2	15.7	-4.5	78%
	DORCHESTER	20.5	16.3	-4.2	79%	43.9	35.3	-8.7	80%	10.4	11.2	0.8	108%	20.5	16.3	-4.2	79%
	KENT	20.2	13.9	-6.3	69%	43.4	33.1	-10.2	76%	10.0	8.0	-2.0	80%	20.2	13.9	-6.3	69%
	QUEEN ANNES	20.2	14.1	-6.0	70%	43.2	33.9	-9.3	79%	10.0	8.5	-1.5	85%	20.2	14.1	-6.0	70%
	SOMERSET	20.2	17.0	-3.2	84%	43.1	38.5	-4.6	89%	10.6	12.2	1.6	115%	20.2	17.0	-3.2	84%
	TALBOT	20.5	15.3	-5.2	74%	43.9	36.0	-7.9	82%	10.2	10.0	-0.2	98%	20.5	15.3	-5.2	74%
	WICOMICO	18.0	9.4	-8.6	52%	39.7	31.6	-8.1	80%	8.7	4.4	-4.3	50%	18.0	9.4	-8.6	52%
	WORCESTER	21.2	16.7	-4.5	79%	44.2	35.7	-8.6	81%	10.9	12.0	1.1	110%	21.2	16.7	-4.5	79%
	Regional Average	20.1	14.8	-5.3	74%	43.1	35.0	-8.1	81%	10.1	9.6	-0.5	95%	20.1	14.8	-5.3	74%
INDEPENDENT CITY OF BALTIMORE		21.6	12.6	-9.0	58%	45.3	36.1	-9.2	80%	10.5	6.1	-4.4	58%	21.6	12.6	-9.0	58%
Statewide Average		20.2	13.8	-6.4	68%	43.5	34.7	-8.7	80%	10.0	8.1	-1.9	81%	20.2	13.8	-6.4	68%

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

Stream Flow Status Based on Thirty Day Average for 2025 March 31

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		143.6	0%-5%	Emergency
Western	Savage River (near Barton)		57.5	0%-5%	Emergency
Western	Wills Creek (near Cumberland)		320	5%-10%	Warning
Western	Marsh Run (at Grimes)		5.0	0%-5%	Emergency
Central	Catoctin Creek (near Middletown)		28.8	0%-5%	Emergency
Central	Monocacy (Jug Bridge near Frederick)		448	0%-5%	Emergency
Central	Patuxent (near Unity)		20.9	0%-5%	Emergency
Central	Deer Cr (at Rocks)		58.8	0%-5%	Emergency
Eastern	Choptank (near Greensboro)		80.6	0%-5%	Emergency
Eastern	Nassawango Creek (near Snow Hill)		63.6	25%-30%	Normal
	Susquehanna (at Marietta)		63,740	40%-45%	Normal
	Potomac (at Little Falls)(Adjusted)		7,680	5%-10%	Warning

Notes:

Ground Water Status for 31 March 2025				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	14.71 [3]	Emergency	Emergency
	AL Ah 1	4.36 [2]	Watch	
	WA Be 2	33.88 [2]	Warning	
	WA Bk 25	50.01 [3]	Emergency	
	WA Ci 82	53.94 [2]	Emergency	
Central	BA Dc 444	43.24 [3]	Warning	Warning
	BA Ea 18	25.05 [2]	Watch	
	CL Ad 47	3.41 [3]	Emergency	
	Fr Bd 96	19.22 [2]	Watch	
	Fr Df 35	59.01 [2]	Watch	
	HA Bd 31	14.20 [2]	Warning	
	HA Ca 23	8.90 [2]	Emergency	
	MO Cc 14	33.33 [2]	Watch	
Eastern	QA Cg 69	4.48 [2]	Watch	Warning
	WI Cg 20	5.72 [2]	Emergency	
	MC51-01	13.59 [3]	Warning	
	SO Cf 2	2.24	Warning	
Southern	CH Bg 12 (unconfined)	3.62	Warning	***Watch***
	CA Fd 54 (confined)	242.44 [3]	On Trend[4]	

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2025-04-01
[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.

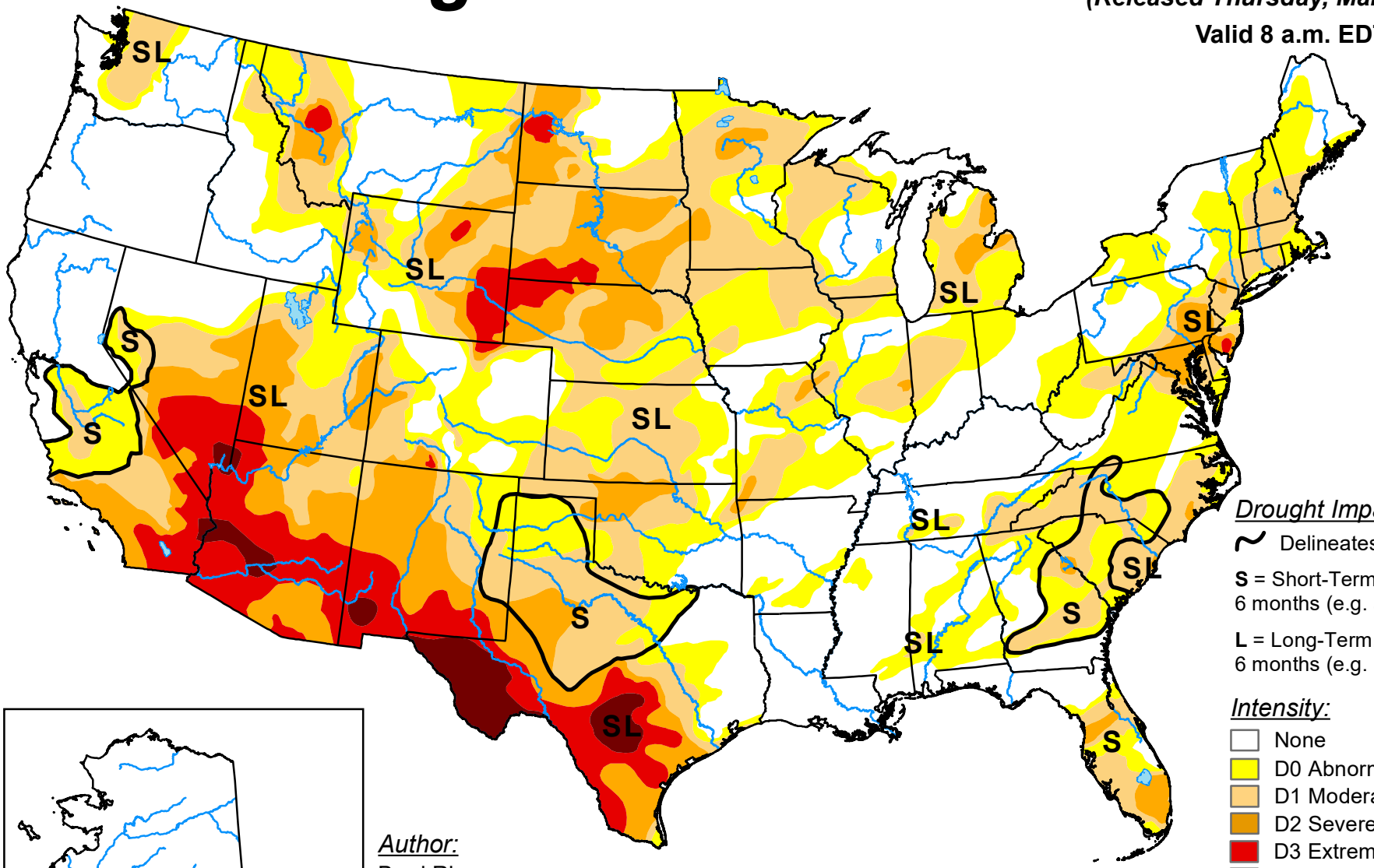
Selected ground water levels are available from USGS at:
http://md.water.usgs.gov/groundwater/
Data for other wells may be downloaded from:
USGS - NWIS Web Information for USA

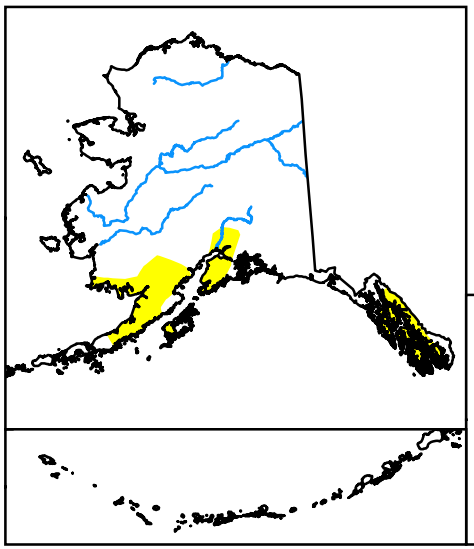
U.S. Drought Monitor

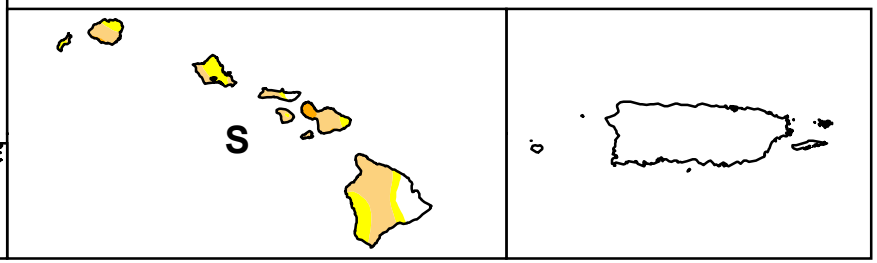
March 25, 2025

(Released Thursday, Mar. 27, 2025)

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

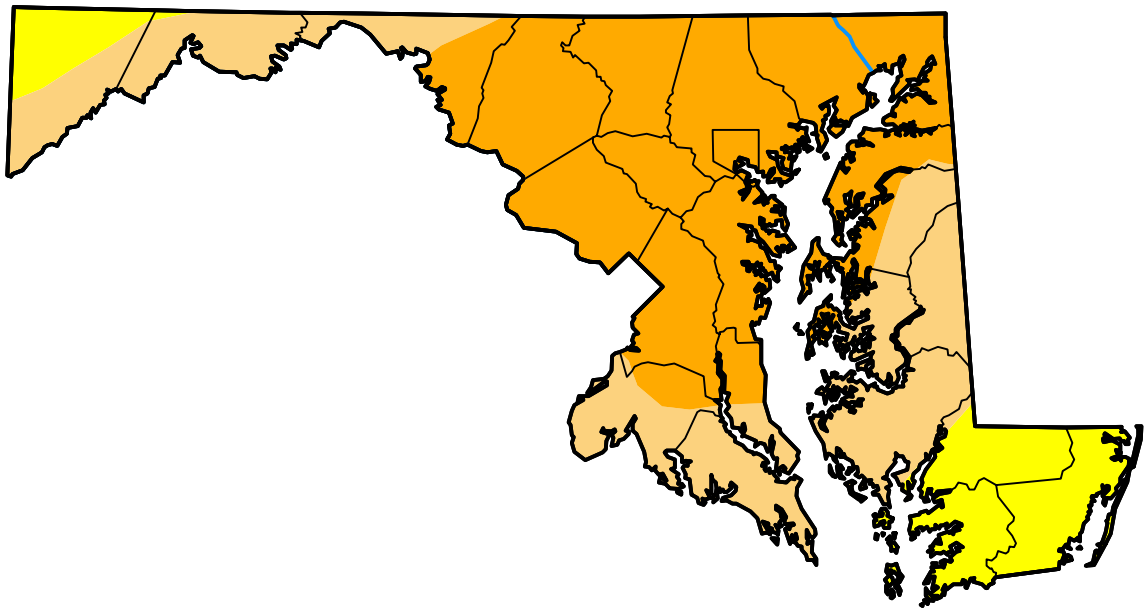
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

USDA NDMC NOAA

droughtmonitor.unl.edu

U.S. Drought Monitor

Maryland



March 25, 2025

(Released Thursday, Mar. 27, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	84.48	52.90	0.00	0.00
Last Week *03-18-2025*	1.95	98.05	81.57	42.14	0.00	0.00
3 Months Ago *12-24-2024*	1.18	98.82	95.30	51.57	0.00	0.00
Start of Calendar Year *01-07-2025*	1.19	98.81	95.30	51.57	0.00	0.00
Start of Water Year *10-01-2024*	18.77	81.23	21.65	9.89	4.07	0.00
One Year Ago *03-26-2024*	100.00	0.00	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

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:

Brad Rippey

U.S. Department of Agriculture

droughtmonitor.unl.edu