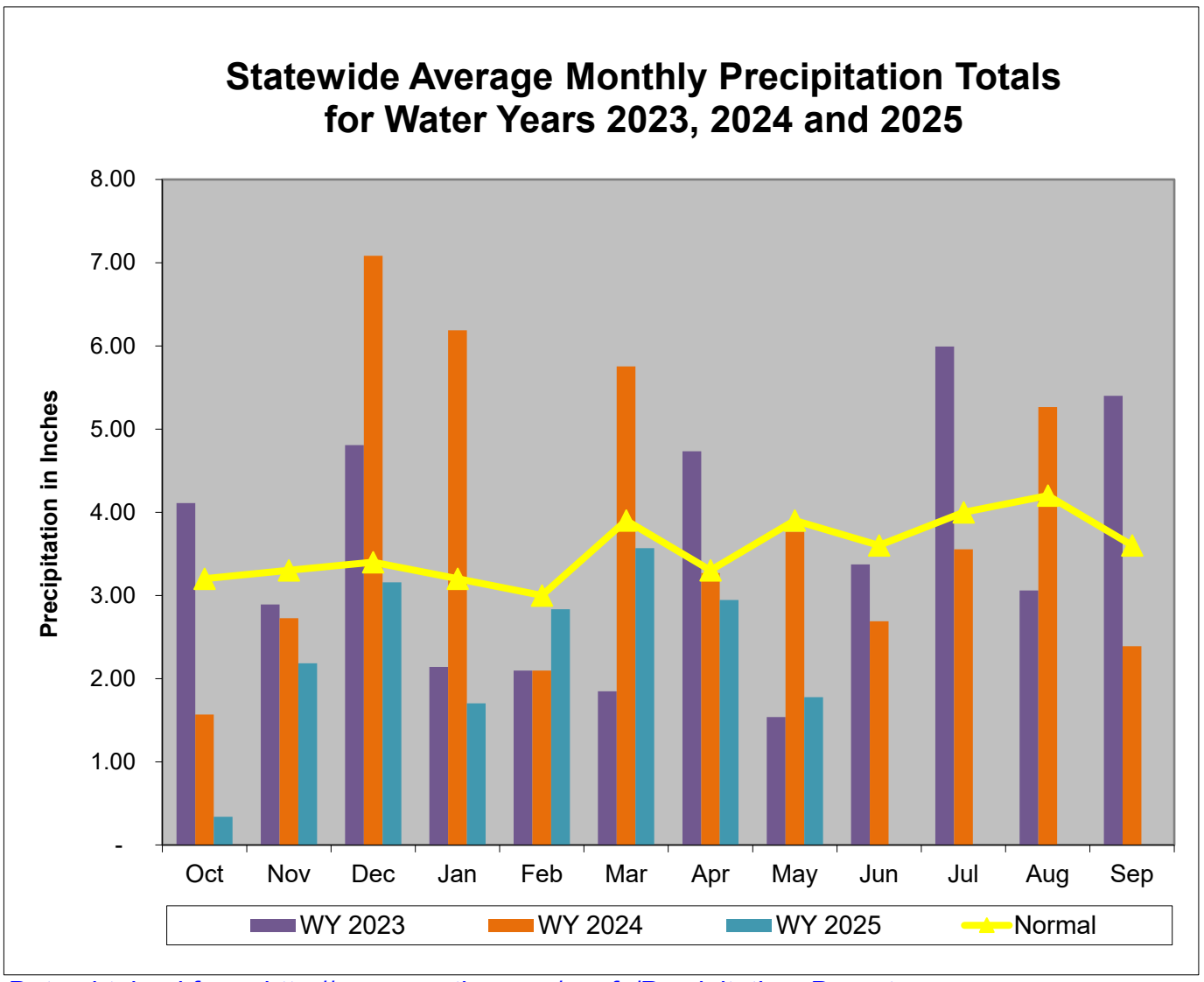
Overall Hydrologic Status for Maryland

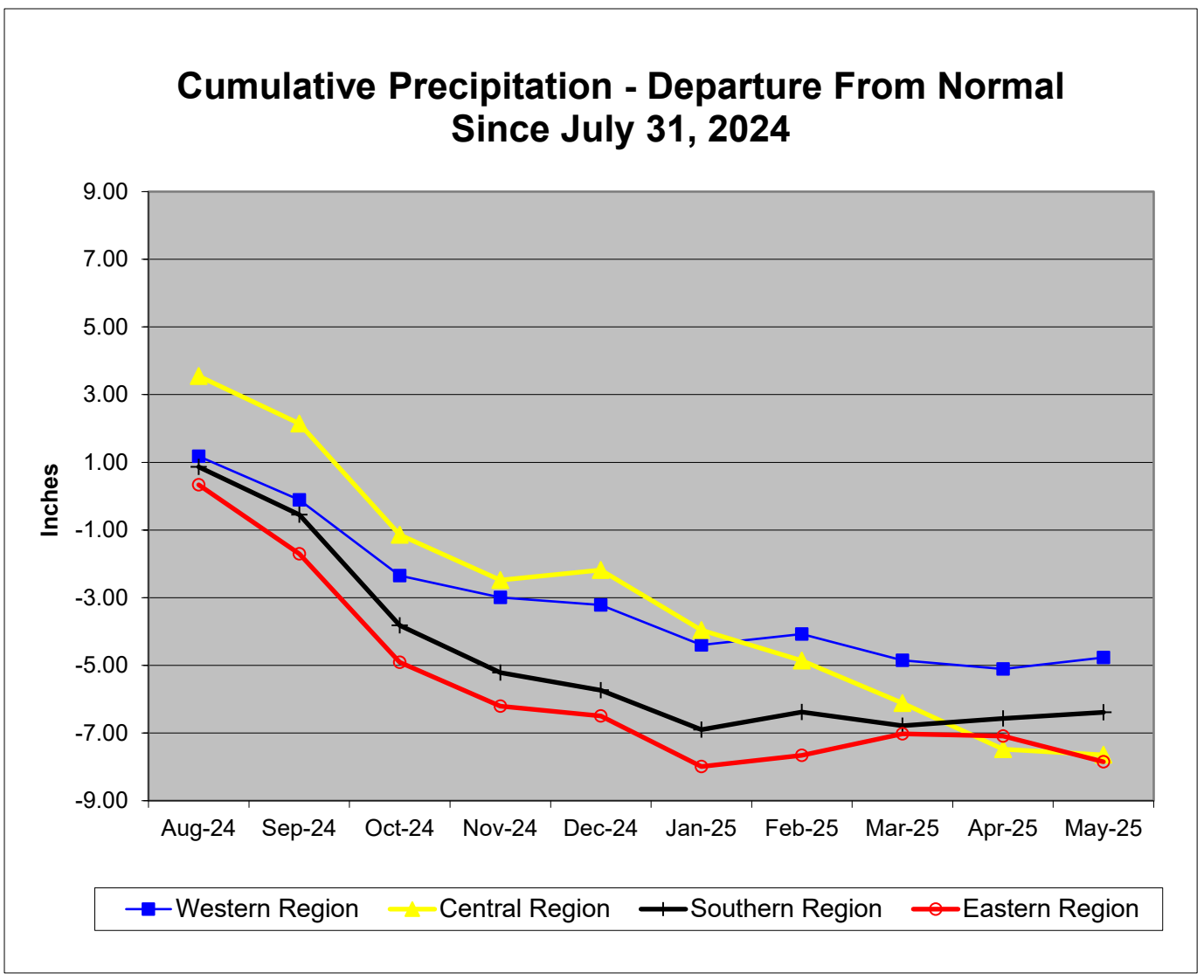
Summary of Hydrologic Indicators for 15 May 2025					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Watch	Normal	Warning	Normal	Watch
Central	Warning	Watch	Emergency	Normal	Warning
Eastern	Watch	Watch	Watch		Watch
Southern	Watch		Watch		Watch

Notes:
WSSC has extended their drought Watch as of November 7th 2024:
https://www.mwcog.org/newsroom/2024/11/07/officials-extend-drought-watch-for-dc-region-drought/
Baltimore DPW Issued a Drought Watch as of May 5th 2025:
https://publicworks.baltimorecity.gov/news/press-releases/2025-05-08-voluntary-water-restrictions-issued-baltimore-region-amid-critically

Precipitation Indicators for Maryland Drought Regions May 15, 2025						
	Since Sept 30, 2024		Since Nov 30, 2024		Since May 31, 2024	
Regions	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**
Western	82%	Watch	91%	Normal	82%	Watch
Central	63%	Warning	73%	Warning	76%	Watch
Eastern	76%	Watch	91%	Normal	81%	Watch
Southern	77%	Watch	94%	Normal	77%	Watch
WY or Water Year begins on October 1.						



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



Precipitation in Maryland Counties
as of 15 May 2025 (WY 2025)

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY[1] To Date (Since September 30, 2024)				11.5 Months (Since May 31, 2024)				2.5 Months (Since February 28, 2025)				5.5 Months (Since November 30, 2024)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	22.8	16.4	-6.4	72%	36.8	28.4	-8.4	77%	8.9	7.8	-1.2	87%	16.8	13.7	-3.1	81%
	GARRETT	27.0	23.8	-3.2	88%	43.8	35.5	-8.3	81%	10.2	8.1	-2.2	79%	20.4	18.0	-2.4	88%
	WASHINGTON	25.9	21.5	-4.4	83%	41.9	37.1	-4.8	89%	9.4	10.6	1.2	113%	19.4	19.6	0.2	101%
	Regional Average	25.2	20.6	-4.7	82%	40.8	33.7	-7.2	82%	9.5	8.8	-0.7	93%	18.9	17.1	-1.8	91%
CENTRAL REGION	BALTIMORE COUNTY	27.3	16.4	-10.9	60%	42.9	32.0	-10.9	75%	9.8	6.5	-3.3	66%	19.7	13.6	-6.1	69%
	CARROLL	25.8	15.4	-10.4	60%	41.2	31.9	-9.3	77%	9.4	6.0	-3.4	64%	18.7	12.8	-5.9	69%
	CECIL	26.3	18.5	-7.8	70%	42.6	33.4	-9.2	78%	9.6	8.8	-0.7	92%	19.2	15.8	-3.4	82%
	FREDERICK	25.0	14.7	-10.3	59%	39.8	30.2	-9.6	76%	9.3	6.1	-3.2	65%	18.1	12.5	-5.6	69%
	HARFORD	26.8	16.9	-10.0	63%	43.3	31.4	-12.0	72%	9.7	7.2	-2.5	75%	19.3	14.1	-5.2	73%
	HOWARD	26.5	16.5	-10.0	62%	41.8	32.9	-8.9	79%	9.7	6.3	-3.4	65%	19.2	13.8	-5.4	72%
	MONTGOMERY	25.0	15.9	-9.2	63%	40.2	31.5	-8.8	78%	9.2	6.2	-3.1	67%	18.0	13.5	-4.5	75%
	Regional Average	26.1	16.3	-9.8	63%	41.7	31.9	-9.8	76%	9.5	6.7	-2.8	71%	18.9	13.7	-5.2	73%
SOUTHERN REGION	ANNE ARUNDEL	25.4	18.3	-7.0	72%	40.4	31.3	-9.1	78%	9.3	8.3	-1.0	89%	18.5	15.7	-2.8	85%
	CALVERT	26.0	20.4	-5.6	79%	41.6	30.9	-10.7	74%	9.5	10.0	0.5	106%	19.0	18.1	-0.8	96%
	CHARLES	24.8	19.0	-5.8	77%	40.2	29.4	-10.8	73%	8.9	8.8	-0.2	98%	17.9	17.0	-1.0	95%
	PRINCE GEORGES	25.1	18.5	-6.6	74%	40.1	30.6	-9.5	76%	9.0	8.2	-0.8	91%	18.0	16.1	-1.9	89%
	ST MARYS	25.7	21.6	-4.2	84%	41.4	33.9	-7.5	82%	9.4	10.7	1.4	115%	18.7	19.3	0.6	103%
	Regional Average	25.4	19.5	-5.8	77%	40.7	31.2	-9.5	77%	9.2	9.2	-0.0	100%	18.4	17.2	-1.2	94%
EASTERN REGION	CAROLINE	25.6	19.9	-5.7	78%	41.2	33.7	-7.5	82%	9.4	9.5	0.1	101%	18.8	17.7	-1.1	94%
	DORCHESTER	25.9	20.8	-5.1	80%	41.8	34.6	-7.2	83%	9.5	10.0	0.5	105%	19.2	18.7	-0.4	98%
	KENT	25.6	17.9	-7.7	70%	41.1	30.5	-10.6	74%	9.4	8.3	-1.1	89%	18.8	15.2	-3.6	81%
	QUEEN ANNES	25.5	18.6	-7.0	73%	40.9	31.5	-9.4	77%	9.4	8.8	-0.6	94%	18.7	16.1	-2.6	86%
	SOMERSET	25.2	21.6	-3.7	86%	41.3	37.5	-3.7	91%	9.2	10.4	1.1	112%	18.8	19.3	0.5	102%
	TALBOT	25.9	19.8	-6.1	76%	41.6	34.0	-7.6	82%	9.5	9.4	-0.1	99%	19.0	17.6	-1.4	92%
	WICOMICO	23.2	14.4	-8.8	62%	37.5	28.2	-9.3	75%	8.7	6.7	-2.0	77%	16.8	12.4	-4.4	74%
	WORCESTER	26.2	21.0	-5.1	80%	42.3	35.2	-7.1	83%	9.3	9.8	0.5	105%	19.4	19.3	-0.1	99%
	Regional Average	25.4	19.2	-6.2	76%	41.0	33.2	-7.8	81%	9.3	9.1	-0.2	98%	18.7	17.0	-1.7	91%
INDEPENDENT CITY OF BALTIMORE		27.3	16.4	-10.9	60%	42.9	32.0	-10.9	75%	9.8	6.5	-3.3	66%	19.7	13.6	-6.1	69%
Statewide Average		25.7	18.5	-7.2	72%	41.2	32.4	-8.8	79%	9.4	8.3	-1.1	88%	18.8	16.0	-2.8	85%

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

Stream Flow Status Based on Thirty Day Average for 2025 May 15

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		443.7	55%-60%	Normal
Western	Savage River (near Barton)		125.1	55%-60%	Normal
Western	Wills Creek (near Cumberland)		1,016	85%-90%	Normal
Western	Marsh Run (at Grimes)		8.7	10%-15%	Watch
Central	Catoctin Creek (near Middletown)		170.1	70%-75%	Normal
Central	Monocacy (Jug Bridge near Frederick)		1,321	60%-65%	Normal
Central	Patuxent (near Unity)		30.1	15%-20%	Watch
Central	Deer Cr (at Rocks)		77.8	5%-10%	Warning
Eastern	Choptank (near Greensboro)		93.2	20%-25%	Watch
Eastern	Nassawango Creek (near Snow Hill)		26.0	15%-20%	Watch
	Susquehanna (at Marietta)		66,607	65%-70%	Normal
	Potomac (at Little Falls)(Adjusted)		13,560	40%-45%	Normal

Notes:

Ground Water Status for 15 May 2025				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	8.07 [3]	Normal	Warning
	AL Ah 1	4.27 [2]	Normal	
	WA Be 2	32.28 [2]	Watch	
	WA Bk 25	41.95 [3]	Normal	
	WA Ci 82	51.57 [2]	Emergency	
Central	BA Dc 444	43.42 [3]	Emergency	Emergency
	BA Ea 18	24.22 [2]	Watch	
	CL Ad 47	2.65 [3]	Normal	
	Fr Bd 96	18.56 [2]	Watch	
	Fr Df 35	59.55 [2]	Watch	
	HA Bd 31	13.43 [2]	Emergency	
	HA Ca 23	9.25 [2]	Emergency	
	MO Cc 14	34.33 [2]	Emergency	
Eastern	QA Cg 69	3.29 [2]	Normal	Watch
	WI Cg 20	4.85 [2]	Watch	
	MC51-01	12.54 [3]	Watch	
	SO Cf 2	2.51 [3]	Watch	
Southern	CH Bg 12 (unconfined)	2.77 [3]	Normal	***Normal***
	CA Fd 54 (confined)	242.32 [3]	On Trend[4]	

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2025-05-16
[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.

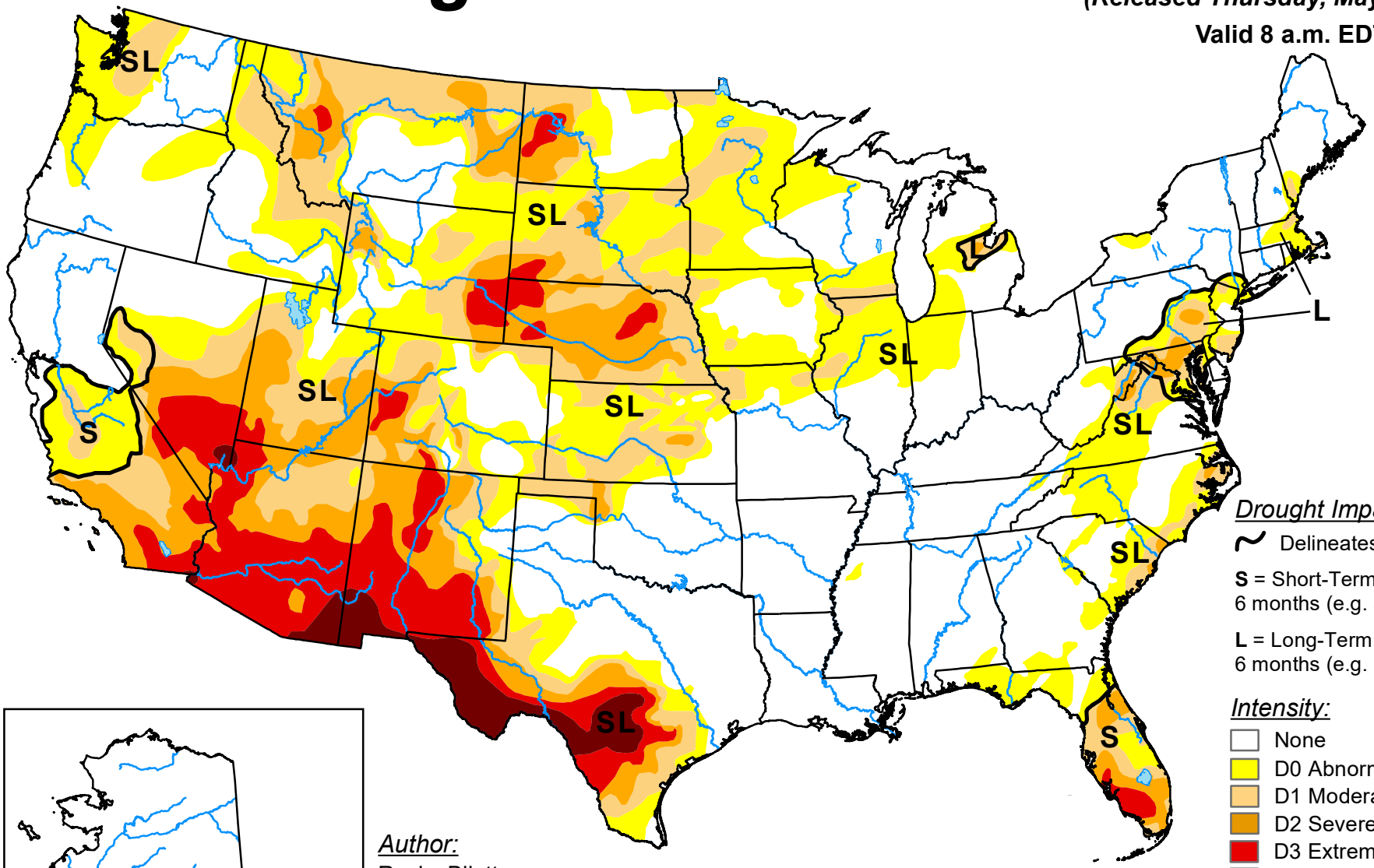
Selected ground water levels are available from USGS at:
http://md.water.usgs.gov/groundwater/
Data for other wells may be downloaded from:
USGS - NWIS Web Information for USA

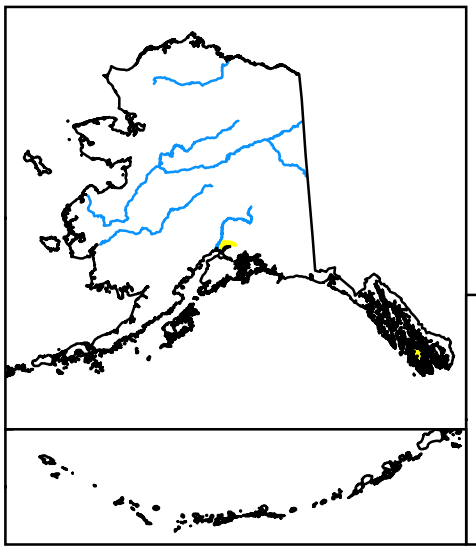
U.S. Drought Monitor

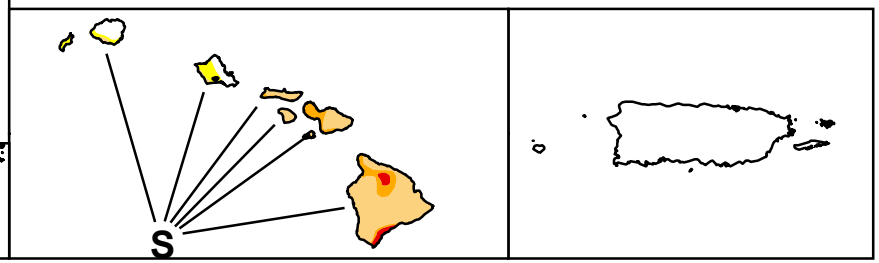
May 13, 2025

(Released Thursday, May. 15, 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:
Rocky Bilotta
NCEI/NOAA

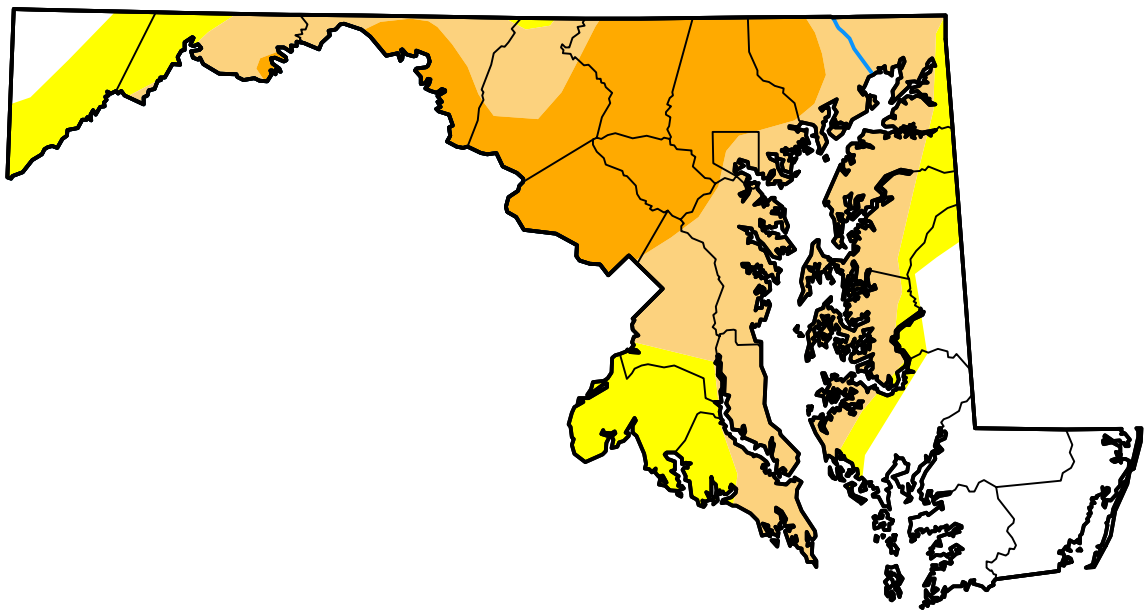
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

USDA NDMC NOAA

droughtmonitor.unl.edu

U.S. Drought Monitor

Maryland



May 13, 2025

(Released Thursday, May. 15, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	20.12	79.88	61.05	26.72	0.00	0.00
Last Week *05-06-2025*	19.36	80.64	65.36	28.05	0.00	0.00
3 Months Ago *02-11-2025*	4.28	95.72	90.94	59.66	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 *05-14-2024*	83.95	16.05	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:
Rocky Bilotta
NCEI/NOAA

droughtmonitor.unl.edu