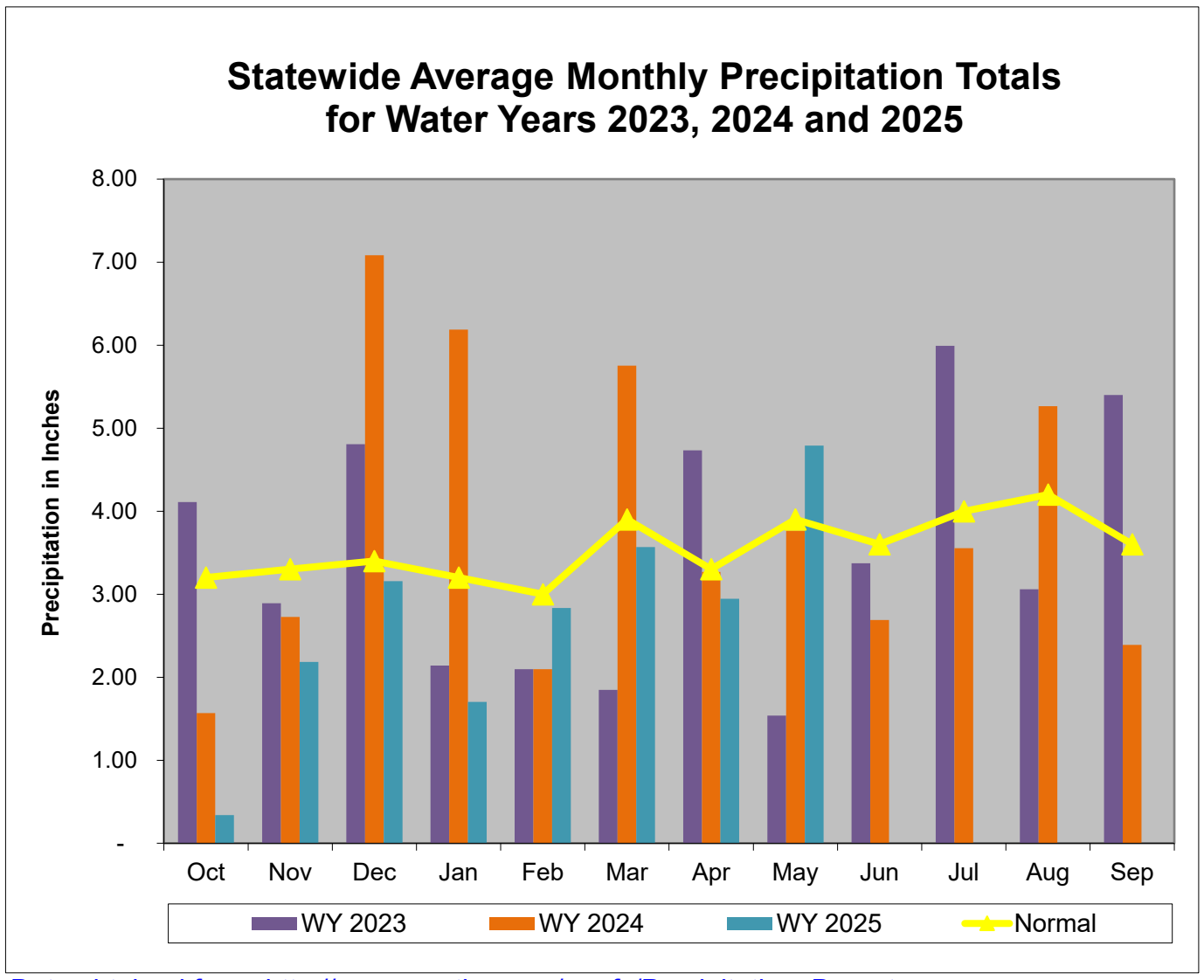
Overall Hydrologic Status for Maryland

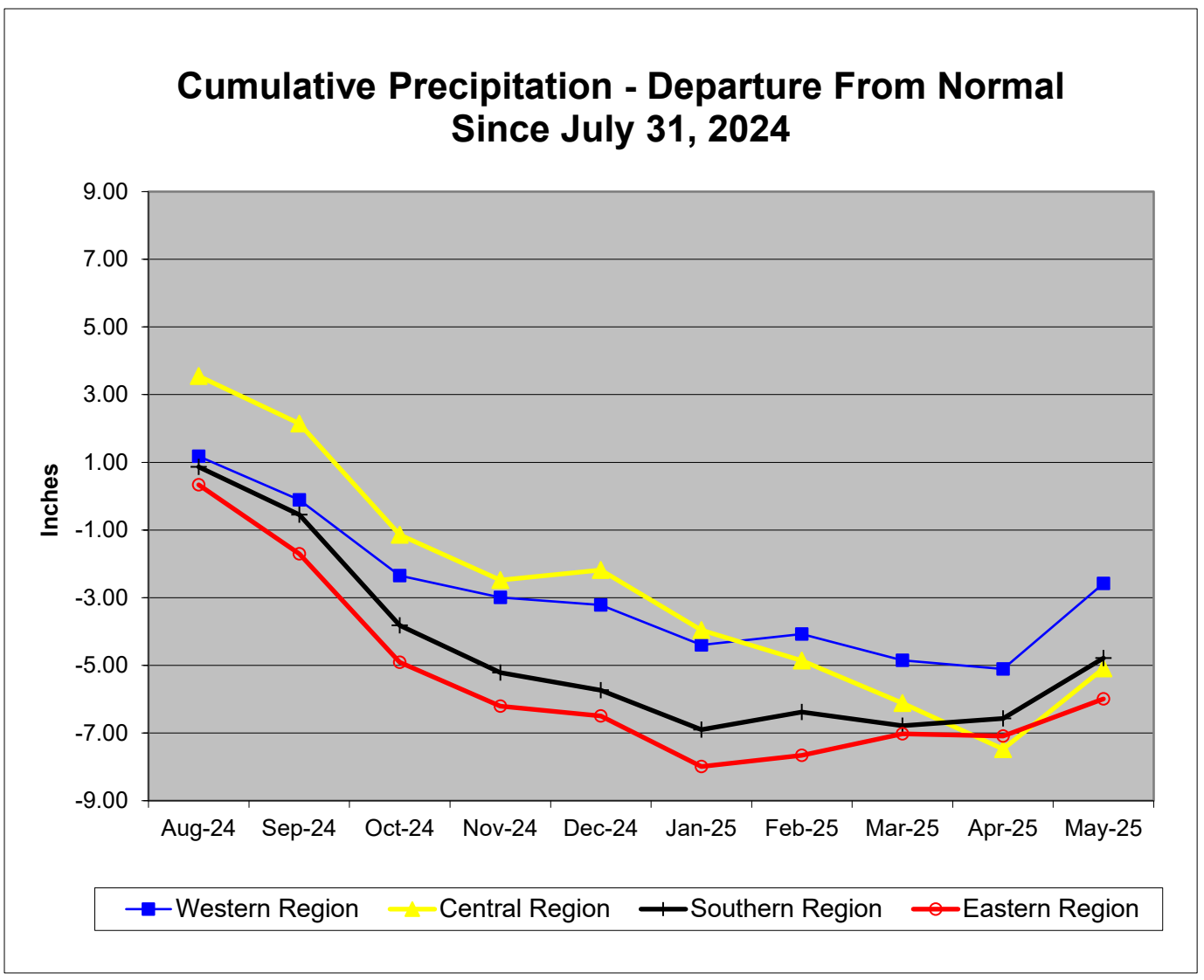
Summary of Hydrologic Indicators for 22 May 2025					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Normal	Normal	Warning	Normal	Watch
Central	Watch	Normal	Emergency	Normal	Warning
Eastern	Normal	Watch	Watch		Watch
Southern	Normal		Watch		Watch

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 22, 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	91%	Normal	102%	Normal	88%	Normal
Central	73%	Watch	87%	Normal	83%	Watch
Eastern	84%	Normal	101%	Normal	86%	Normal
Southern	84%	Normal	102%	Normal	81%	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 22 May 2025 (WY 2025)

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY[1] To Date (Since September 30, 2024)				11.75 Months (Since May 31, 2024)				2.75 Months (Since February 28, 2025)				5.75 Months (Since November 30, 2024)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	23.8	19.9	-3.9	84%	37.7	31.9	-5.9	84%	9.9	11.2	1.4	114%	17.8	17.2	-0.6	97%
	GARRETT	28.1	27.3	-0.8	97%	44.9	39.1	-5.9	87%	11.3	11.6	0.3	102%	21.5	21.6	0.1	100%
	WASHINGTON	26.7	24.0	-2.7	90%	42.7	39.5	-3.2	93%	10.2	13.1	2.8	128%	20.2	22.0	1.8	109%
	Regional Average	26.2	23.7	-2.5	91%	41.8	36.8	-5.0	88%	10.5	12.0	1.5	114%	19.8	20.2	0.4	102%
CENTRAL REGION	BALTIMORE COUNTY	28.3	19.8	-8.5	70%	43.9	35.4	-8.5	81%	10.9	10.0	-0.9	92%	20.7	17.0	-3.7	82%
	CARROLL	26.8	19.5	-7.3	73%	42.2	36.0	-6.2	85%	10.4	10.0	-0.3	97%	19.7	16.9	-2.8	86%
	CECIL	27.2	21.1	-6.1	78%	43.5	36.0	-7.5	83%	10.5	11.4	0.9	109%	20.1	18.4	-1.8	91%
	FREDERICK	26.0	19.0	-7.0	73%	40.8	34.5	-6.3	84%	10.3	10.3	0.0	100%	19.1	16.7	-2.4	88%
	HARFORD	27.8	20.3	-7.5	73%	44.3	34.8	-9.5	79%	10.6	10.7	0.0	100%	20.3	17.6	-2.7	87%
	HOWARD	27.5	19.7	-7.8	72%	42.8	36.1	-6.7	84%	10.7	9.5	-1.2	89%	20.2	17.0	-3.2	84%
	MONTGOMERY	26.0	19.6	-6.4	75%	41.2	35.3	-6.0	86%	10.2	9.9	-0.3	97%	19.0	17.3	-1.7	91%
	Regional Average	27.1	19.9	-7.2	73%	42.7	35.4	-7.2	83%	10.5	10.3	-0.2	98%	19.9	17.3	-2.6	87%
SOUTHERN REGION	ANNE ARUNDEL	26.3	20.6	-5.8	78%	41.3	33.6	-7.8	81%	10.3	10.5	0.3	102%	19.4	17.9	-1.5	92%
	CALVERT	26.9	23.0	-3.9	86%	42.6	33.6	-9.0	79%	10.5	12.7	2.2	121%	19.9	20.8	0.9	104%
	CHARLES	25.7	21.5	-4.2	84%	41.1	31.8	-9.3	77%	9.8	11.2	1.4	114%	18.8	19.4	0.6	103%
	PRINCE GEORGES	26.0	21.1	-4.9	81%	41.1	33.2	-7.8	81%	9.9	10.9	0.9	109%	18.9	18.7	-0.2	99%
	ST MARYS	26.7	24.3	-2.4	91%	42.3	36.6	-5.7	87%	10.3	13.5	3.2	131%	19.7	22.1	2.4	112%
	Regional Average	26.3	22.1	-4.2	84%	41.7	33.8	-7.9	81%	10.2	11.7	1.6	116%	19.4	19.8	0.4	102%
EASTERN REGION	CAROLINE	26.5	22.2	-4.3	84%	42.1	36.0	-6.1	86%	10.3	11.8	1.5	114%	19.7	20.0	0.3	102%
	DORCHESTER	26.8	23.3	-3.5	87%	42.7	37.1	-5.6	87%	10.3	12.5	2.2	121%	20.1	21.3	1.2	106%
	KENT	26.5	20.3	-6.3	76%	42.0	32.9	-9.2	78%	10.4	10.8	0.4	104%	19.7	17.6	-2.1	89%
	QUEEN ANNES	26.5	20.9	-5.6	79%	41.9	33.8	-8.1	81%	10.3	11.1	0.8	108%	19.7	18.4	-1.3	93%
	SOMERSET	26.0	24.3	-1.7	93%	42.0	40.2	-1.8	96%	10.0	13.1	3.1	131%	19.6	22.0	2.4	112%
	TALBOT	26.9	22.2	-4.6	83%	42.6	36.5	-6.1	86%	10.4	11.8	1.5	114%	20.0	20.1	0.1	100%
	WICOMICO	24.1	18.6	-5.5	77%	38.4	32.4	-6.0	84%	9.6	10.9	1.2	113%	17.7	16.6	-1.1	94%
	WORCESTER	27.0	24.1	-2.8	89%	43.1	38.3	-4.8	89%	10.1	12.9	2.8	128%	20.2	22.4	2.2	111%
	Regional Average	26.3	22.0	-4.3	84%	41.8	35.9	-5.9	86%	10.2	11.8	1.7	116%	19.6	19.8	0.2	101%
INDEPENDENT CITY OF BALTIMORE		28.3	19.8	-8.5	70%	43.9	35.4	-8.5	81%	10.9	10.0	-0.9	92%	20.7	17.0	-3.7	82%
Statewide Average		26.6	21.5	-5.1	81%	42.1	35.4	-6.7	84%	10.3	11.3	1.0	109%	19.7	19.0	-0.7	96%

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

Stream Flow Status Based on Thirty Day Average for 2025 May 22

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		500.7	70%-75%	Normal
Western	Savage River (near Barton)	[1]	147.7	65%-70%	Normal
Western	Wills Creek (near Cumberland)		1,166	95%-100%	Normal
Western	Marsh Run (at Grimes)		10.8	25%-30%	Normal
Central	Catoctin Creek (near Middletown)		214.8	85%-90%	Normal
Central	Monocacy (Jug Bridge near Frederick)		1,696	75%-80%	Normal
Central	Patuxent (near Unity)		37.6	35%-40%	Normal
Central	Deer Cr (at Rocks)		85.8	10%-15%	Watch
Eastern	Choptank (near Greensboro)		69.4	15%-20%	Watch
Eastern	Nassawango Creek (near Snow Hill)	[2]	15.3	5%-10%	Warning
	Susquehanna (at Marietta)		78,080	80%-85%	Normal
	Potomac (at Little Falls)(Adjusted)		22,419	65%-70%	Normal

Notes:

[1] Gage missing data from May 13th-20th due to Flooding

[2] Gage missing data

Ground Water Status for 22 May 2025				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	8.67 [3]	Normal	Warning
	AL Ah 1	4.27 [2]	Normal	
	WA Be 2	32.28 [2]	Watch	
	WA Bk 25	42.61 [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	2.49 [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	2.52 [3]	Watch	
Southern	CH Bg 12 (unconfined)	3.83 [3]	Watch	***Watch***
	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 2025-05-23
[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.

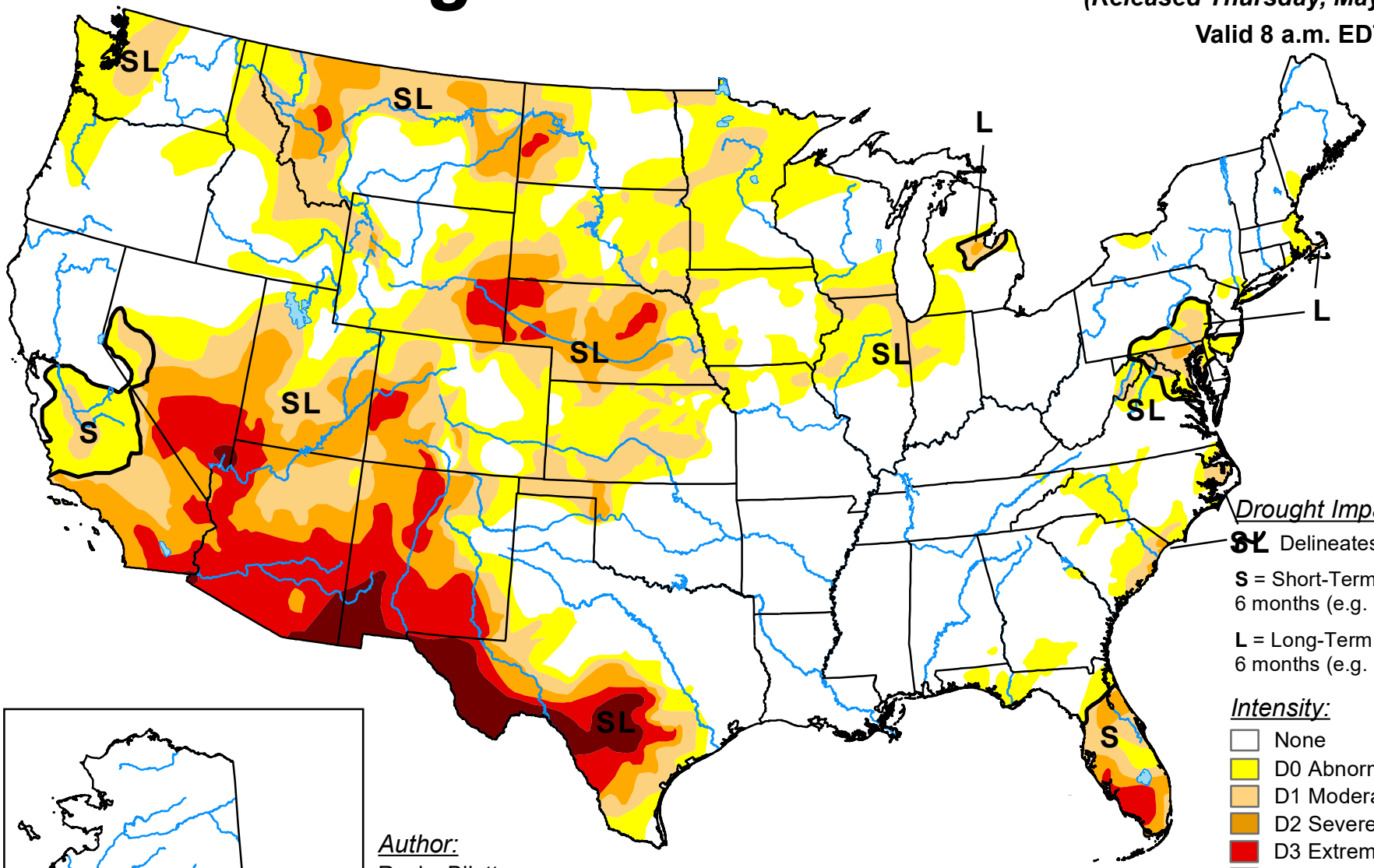
Selected ground water levels are available from USGS at:
http://md.water.usgs.gov/groundwater/
Data for other wells may be downloaded from:
USGS - NWIS Web Information for USA

U.S. Drought Monitor

May 20, 2025

(Released Thursday, May. 22, 2025)

Valid 8 a.m. EDT



Drought Impact Types:

~~SL~~ 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

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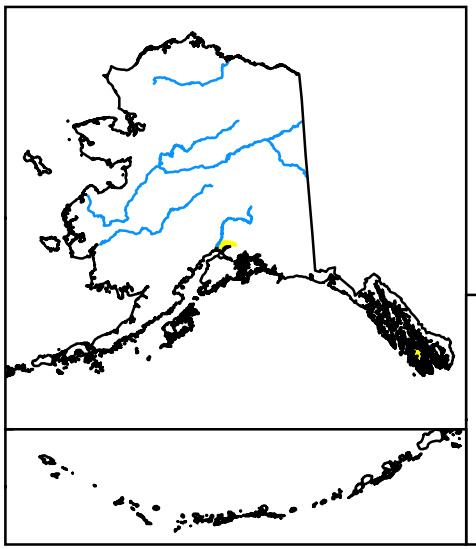

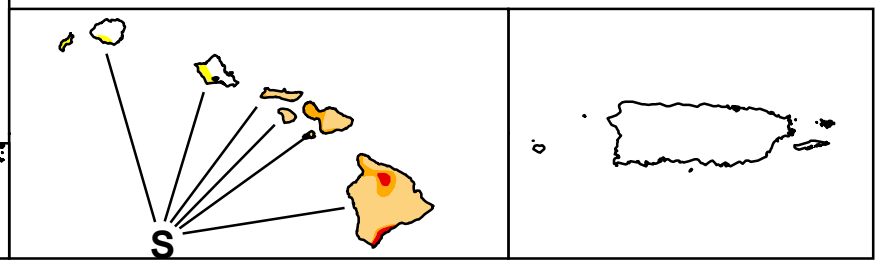

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

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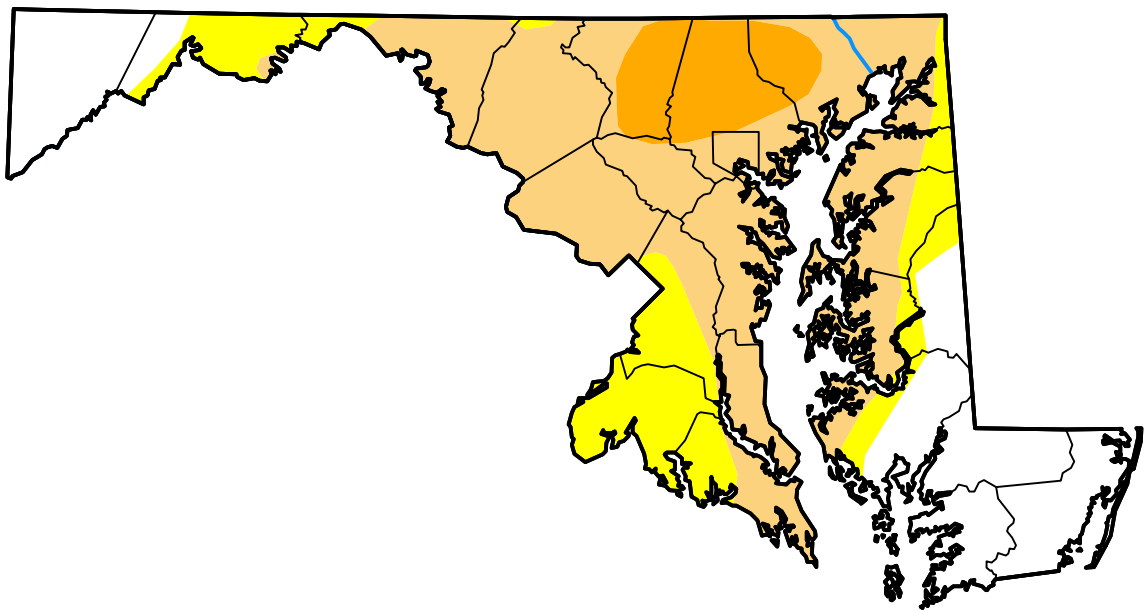
U.S. Drought Monitor

Maryland



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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	25.53	74.47	56.11	9.22	0.00	0.00
Last Week *05-13-2025*	20.12	79.88	61.05	26.72	0.00	0.00
3 Months Ago *02-18-2025*	5.82	94.18	90.78	29.69	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 *05-21-2024*	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

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