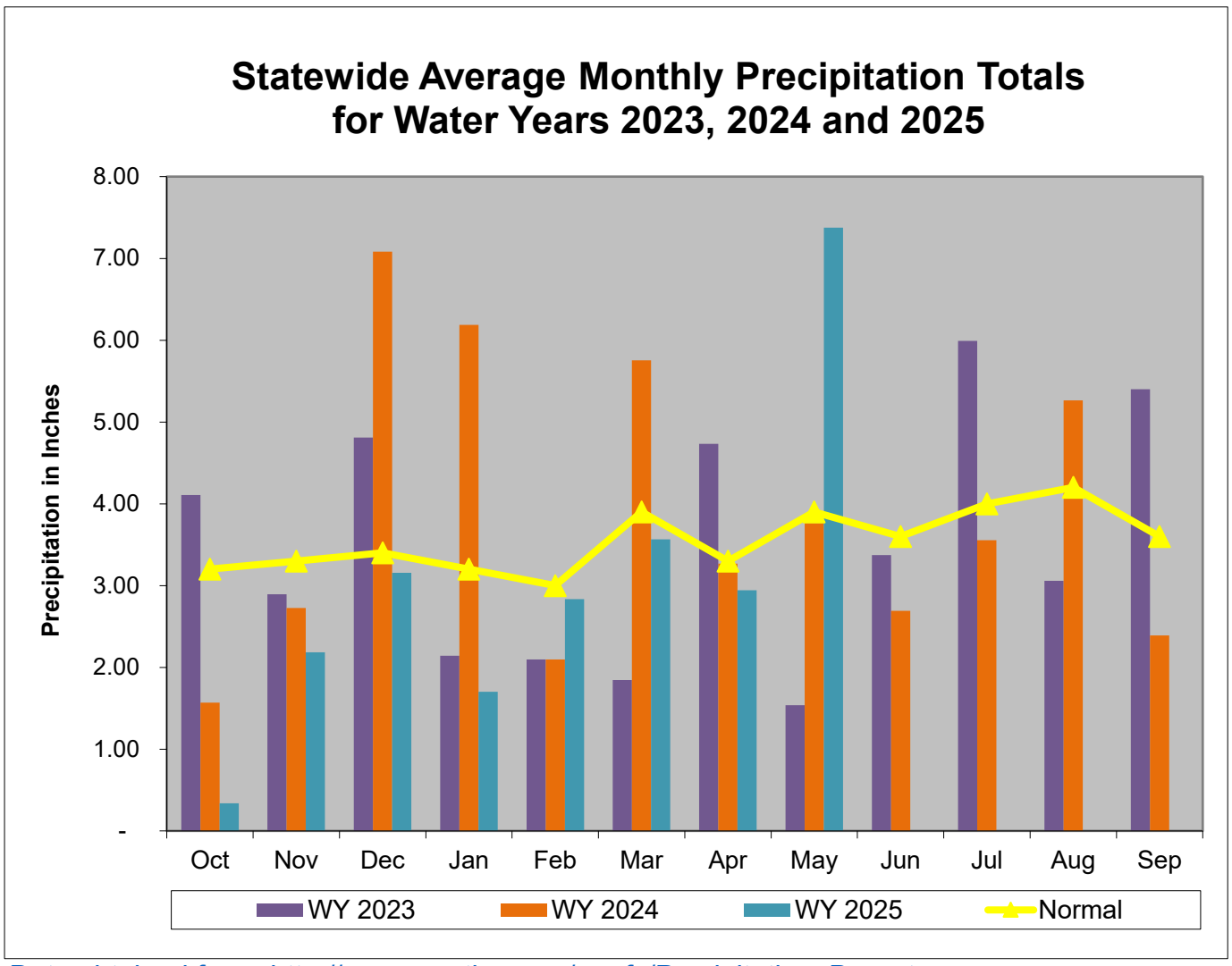
Overall Hydrologic Status for Maryland

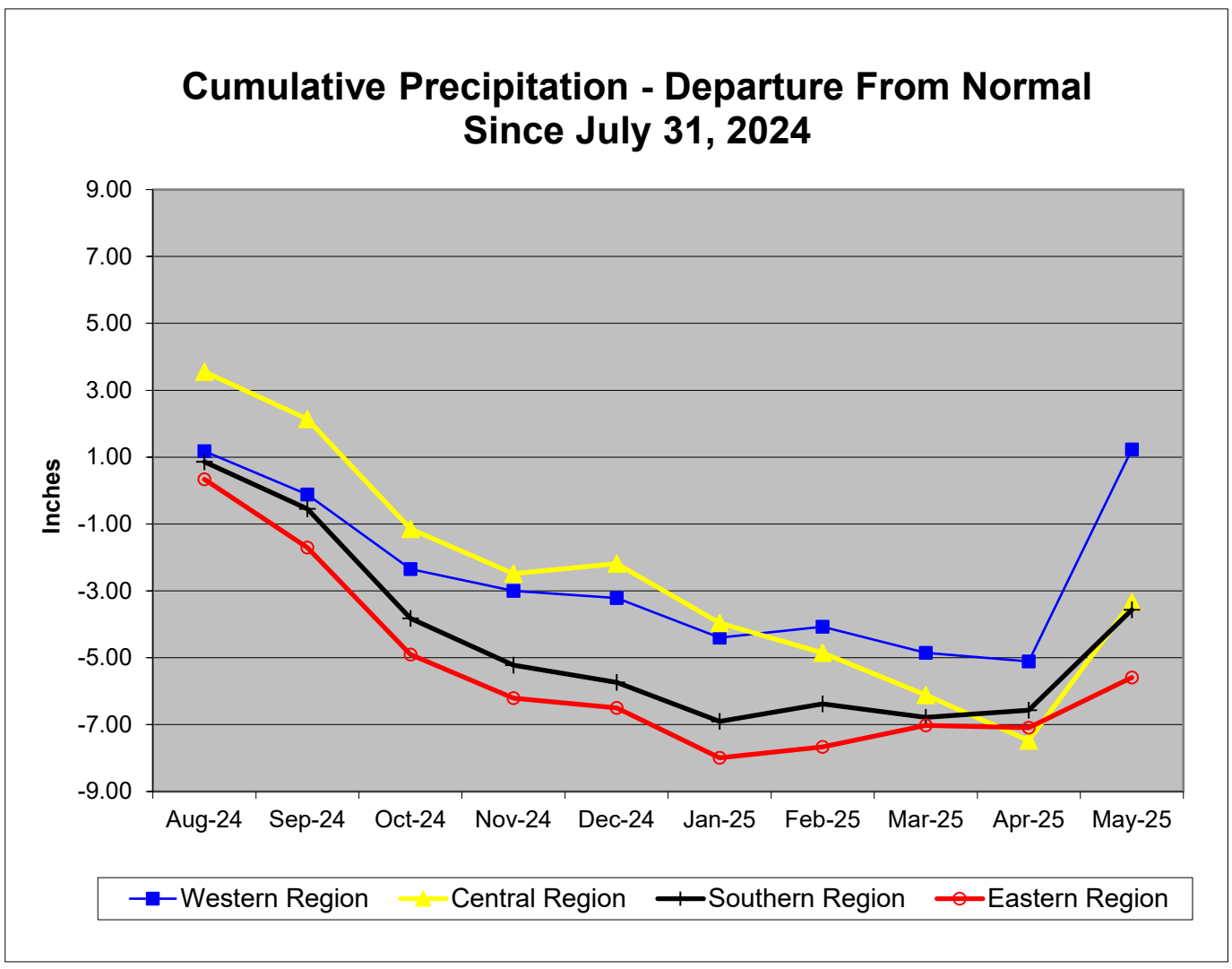
Summary of Hydrologic Indicators for 31 May 2025					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Normal	Normal	Normal	Normal	Normal
Central	Watch	Normal	Emergency	Normal	Warning
Eastern	Normal	Watch	Normal		Normal
Southern	Normal		Normal		Normal

Notes:
For May 2025, rainfall data and departures from normal were estimated using the Applied Climate Information System: https://hprcc.unl.edu/maps.php?map=ACISClimateMaps
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 31, 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	105%	Normal	120%	Normal	97%	Normal
Central	81%	Watch	96%	Normal	87%	Normal
Eastern	86%	Normal	103%	Normal	87%	Normal
Southern	89%	Normal	108%	Normal	84%	Watch
WY or Water Year begins on October 1.						



Data obtained from: http://www.weather.gov/marfc/Precipitation_Departures
Data for May 2025 obtained from: https://hprcc.unl.edu/maps.php?map=ACISClimateMaps#



Precipitation in Maryland Counties
as of 31 May 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 May 31, 2024)				3 Months (Since February 28, 2025)				6 Months (Since November 30, 2024)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	24.8	23.8	-1.0	96%	38.8	35.8	-3.0	92%	10.9	15.2	4.3	139%	18.8	21.1	2.3	112%
	GARRETT	28.1	31.3	3.2	112%	45.0	43.1	-1.9	96%	11.4	15.6	4.3	138%	21.5	25.6	4.1	119%
	WASHINGTON	28.7	30.4	1.8	106%	44.6	46.0	1.4	103%	12.2	19.5	7.4	160%	22.2	28.5	6.3	128%
	Regional Average	27.2	28.5	1.3	105%	42.8	41.6	-1.2	97%	11.5	16.8	5.3	146%	20.8	25.0	4.2	120%
CENTRAL REGION	BALTIMORE COUNTY	29.1	22.5	-6.7	77%	44.7	38.0	-6.7	85%	11.7	12.6	0.9	108%	21.5	19.7	-1.9	91%
	CARROLL	26.7	21.6	-5.2	81%	42.1	38.1	-4.0	90%	10.3	12.1	1.9	118%	19.6	19.0	-0.6	97%
	CECIL	28.8	24.9	-4.0	86%	45.1	39.8	-5.4	88%	12.1	15.2	3.1	126%	21.7	22.1	0.4	102%
	FREDERICK	26.9	21.4	-5.5	80%	41.7	36.9	-4.8	89%	11.2	12.8	1.6	114%	20.0	19.1	-0.8	96%
	HARFORD	29.3	23.6	-5.6	81%	45.8	38.1	-7.6	83%	12.1	14.0	1.9	116%	21.7	20.9	-0.9	96%
	HOWARD	28.3	22.4	-5.9	79%	43.6	38.8	-4.8	89%	11.5	12.2	0.7	106%	21.1	19.7	-1.4	94%
	MONTGOMERY	27.4	21.9	-5.5	80%	42.6	37.5	-5.1	88%	11.6	12.2	0.6	105%	20.4	19.6	-0.8	96%
	Regional Average	28.1	22.6	-5.5	81%	43.7	38.2	-5.5	87%	11.5	13.0	1.5	113%	20.9	20.0	-0.9	96%
SOUTHERN REGION	ANNE ARUNDEL	27.3	23.2	-4.0	85%	42.3	36.2	-6.1	86%	11.2	13.2	2.0	118%	20.4	20.6	0.2	101%
	CALVERT	27.4	24.7	-2.7	90%	43.0	35.2	-7.8	82%	10.9	14.3	3.4	131%	20.4	22.4	2.0	110%
	CHARLES	26.9	23.6	-3.2	88%	42.3	34.0	-8.3	80%	11.0	13.4	2.4	122%	20.0	21.6	1.6	108%
	PRINCE GEORGES	27.1	23.3	-3.8	86%	42.1	35.4	-6.7	84%	11.0	13.0	2.1	119%	20.0	20.9	0.9	105%
	ST MARYS	27.3	25.9	-1.3	95%	42.9	38.3	-4.7	89%	10.9	15.1	4.2	139%	20.3	23.7	3.5	117%
	Regional Average	27.2	24.1	-3.0	89%	42.5	35.8	-6.7	84%	11.0	13.8	2.8	126%	20.2	21.8	1.7	108%
EASTERN REGION	CAROLINE	28.2	24.5	-3.7	87%	43.8	38.3	-5.4	88%	12.0	14.1	2.1	118%	21.4	22.4	1.0	105%
	DORCHESTER	28.5	25.4	-3.1	89%	44.4	39.2	-5.2	88%	12.1	14.6	2.5	121%	21.8	23.4	1.6	107%
	KENT	27.6	23.8	-3.8	86%	43.0	36.3	-6.7	84%	11.4	14.2	2.8	125%	20.8	21.1	0.3	101%
	QUEEN ANNES	28.1	23.9	-4.2	85%	43.5	36.8	-6.6	85%	11.9	14.1	2.2	119%	21.3	21.4	0.2	101%
	SOMERSET	28.1	26.4	-1.7	94%	44.1	42.3	-1.8	96%	12.1	15.2	3.1	125%	21.7	24.1	2.4	111%
	TALBOT	29.0	24.7	-4.3	85%	44.7	39.0	-5.7	87%	12.5	14.3	1.8	115%	22.1	22.5	0.5	102%
	WICOMICO	25.8	17.4	-8.4	67%	40.1	31.1	-8.9	78%	11.3	9.6	-1.7	85%	19.4	15.3	-4.0	79%
	WORCESTER	28.0	26.0	-2.0	93%	44.1	40.1	-4.0	91%	11.1	14.7	3.6	133%	21.2	24.2	3.0	114%
	Regional Average	27.9	24.0	-3.9	86%	43.4	37.9	-5.5	87%	11.8	13.9	2.1	118%	21.2	21.8	0.6	103%
INDEPENDENT CITY OF BALTIMORE		29.6	22.0	-7.7	74%	45.2	37.5	-7.7	83%	12.2	12.1	-0.1	99%	22.0	19.2	-2.9	87%
Statewide Average		27.8	24.1	-3.7	87%	43.3	38.0	-5.3	88%	11.5	13.9	2.4	121%	20.9	21.6	0.7	103%

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

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

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		822.3	95%-100%	Normal
Western	Savage River (near Barton)	[1]	229.1	90%-95%	Normal
Western	Wills Creek (near Cumberland)		1,495	95%-100%	Normal
Western	Marsh Run (at Grimes)		14.2	45%-50%	Normal
Central	Catoctin Creek (near Middletown)		260.9	90%-95%	Normal
Central	Monocacy (Jug Bridge near Frederick)		2,304	90%-95%	Normal
Central	Patuxent (near Unity)		49.3	55%-60%	Normal
Central	Deer Cr (at Rocks)		115.2	30%-35%	Normal
Eastern	Choptank (near Greensboro)		70.6	20%-25%	Watch
Eastern	Nassawango Creek (near Snow Hill)		14.0	10%-15%	Watch
	Susquehanna (at Marietta)		90,637	95%-100%	Normal
	Potomac (at Little Falls)(Adjusted)		27,682	85%-90%	Normal

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

Ground Water Status for 31 May 2025				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	6.67	Normal	Normal
	AL Ah 1	2.89	Normal	
	WA Be 2	29.62	Normal	
	WA Bk 25	39.77	Normal	
	WA Ci 82	42.43	Normal	
Central	BA Dc 444	43.43 [3]	Emergency	Emergency
	BA Ea 18	24.83	Emergency	
	CL Ad 47	2.15	Normal	
	Fr Bd 96	10.96	Normal	
	Fr Df 35	57.26	Watch	
	HA Bd 31	12.56	Emergency	
	HA Ca 23	9.07	Emergency	
	MO Cc 14	26.17	Normal	
Eastern	QA Cg 69	3.65	Normal	Normal
	WI Cg 20	5.20	Normal	
	MC51-01	12.50	Watch	
	SO Cf 2	2.09	Normal	
Southern	CH Bg 12 (unconfined)	3.34 [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 2025-06-03
[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

Reservoir Volumes and Storage for Drought Monitoring

For the End of May 2025

Water System	*Reservoir*	*Percent Full**	*Days of Storage***
City of Frostburg	Piney	100%	476
City of Cumberland	Lake Gordon	100%	420
	Lake Koon	95%	
City of Baltimore	Liberty	95%	331
	Loch Raven	98%	
	Prettyboy	93%	
	Total	95%	
WSSC	Tridelphia Reservoir	89%	171
	Rocky Gorge/Duckett		
	Seneca Creek Reserve	99%	NA
All Potomac River Plants	Jennings-Randolph Reserve***	100%	NA

* *Percent Full* is the ratio of current volume to the maximum usable volume in each reservoir as of the end of May 2025

** *Days of Storage* is the amount of days it would take to use current volume of reservoir (w/o recharge) based on average raw water withdrawals from similar time frame from previous three years.

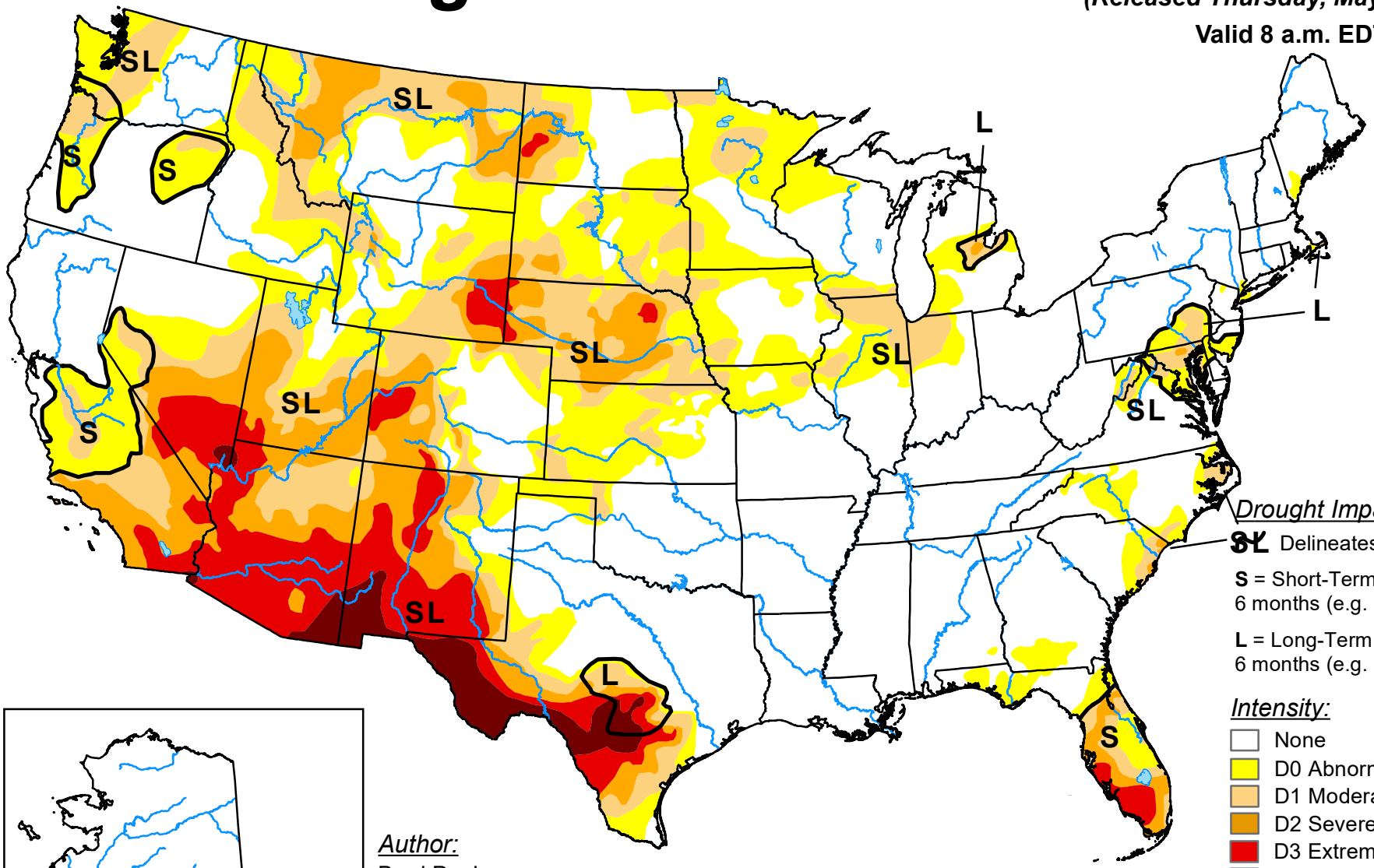
*** Percent full for Jennings-Randolph Reservoir is based on allotted amount of water in reservoir used to supplement Potomac River flow for drinking water purposes.

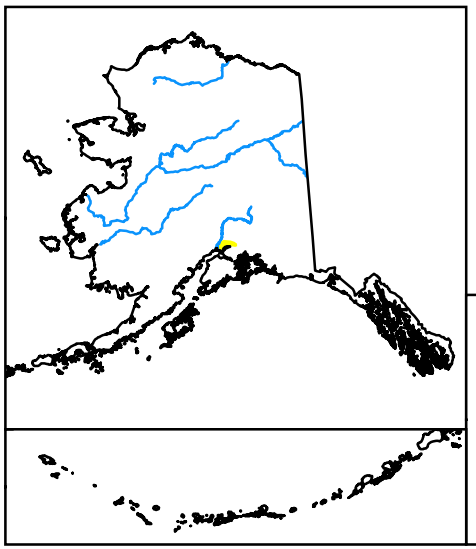
U.S. Drought Monitor

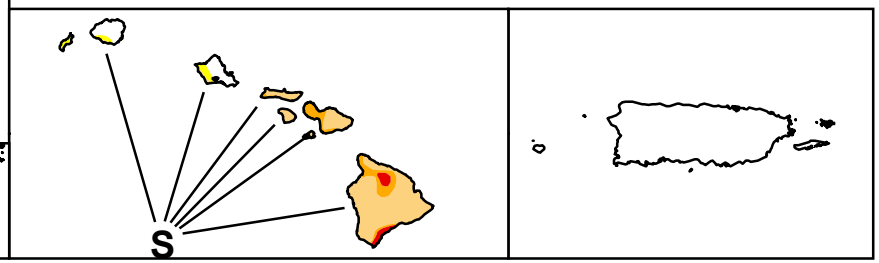
May 27, 2025

(Released Thursday, May. 29, 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

Author:

Brad Pugh

CPC/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

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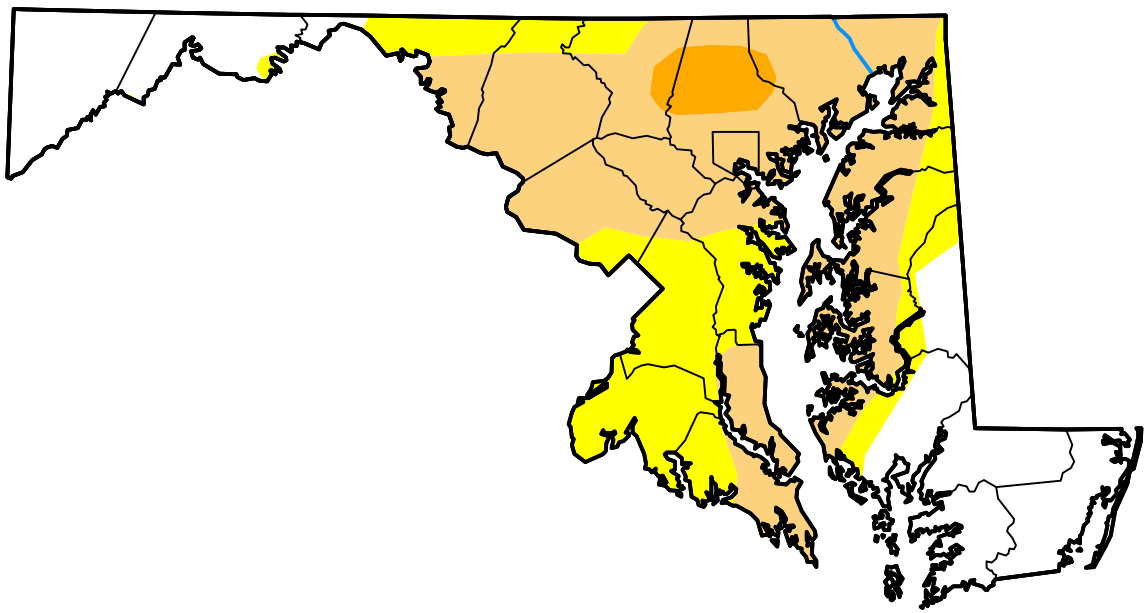
U.S. Drought Monitor

Maryland



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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	29.05	70.95	46.33	3.37	0.00	0.00
Last Week *05-20-2025*	25.53	74.47	56.11	9.22	0.00	0.00
3 Months Ago *02-25-2025*	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 *05-28-2024*	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

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CPC/NOAA

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