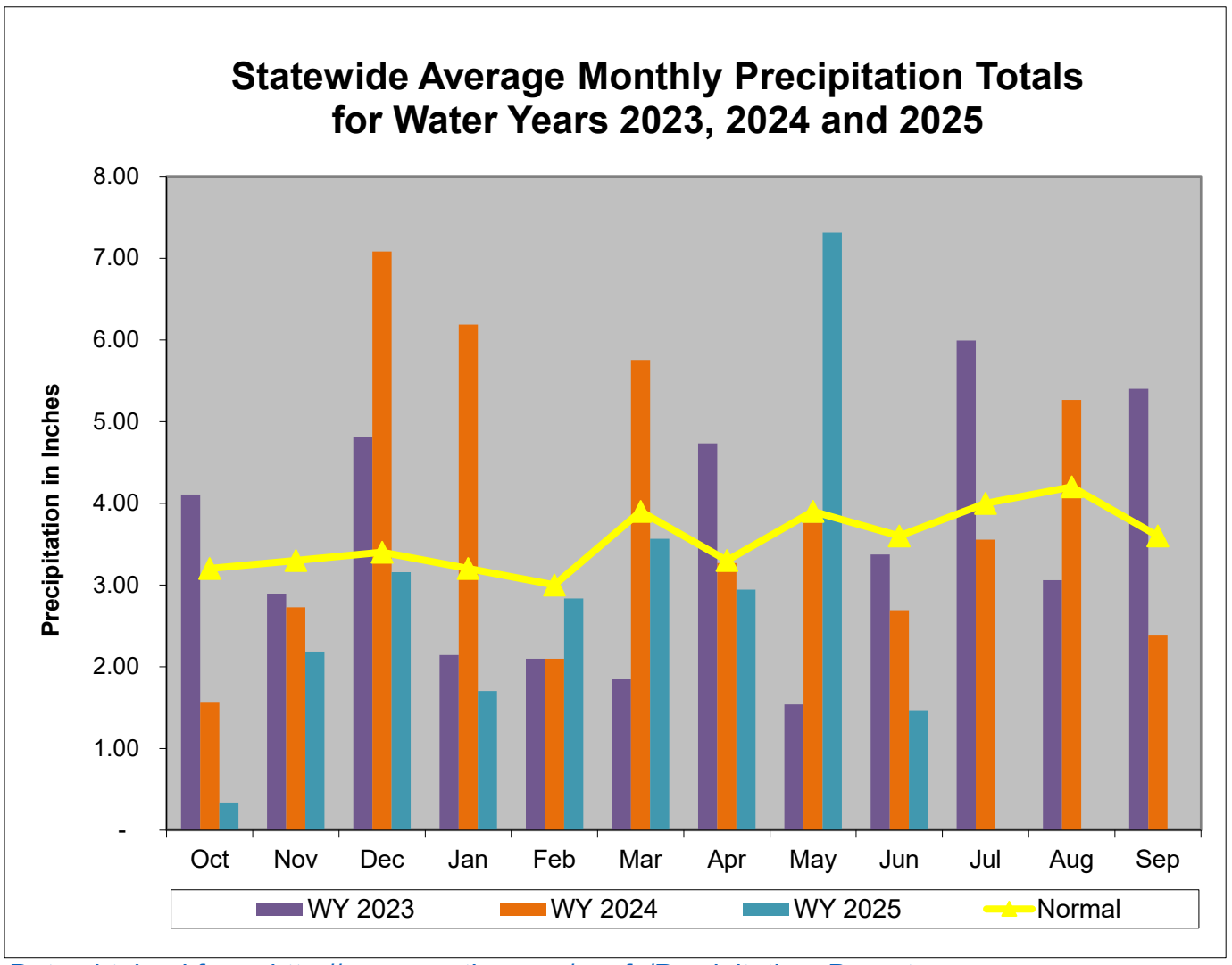
Overall Hydrologic Status for Maryland

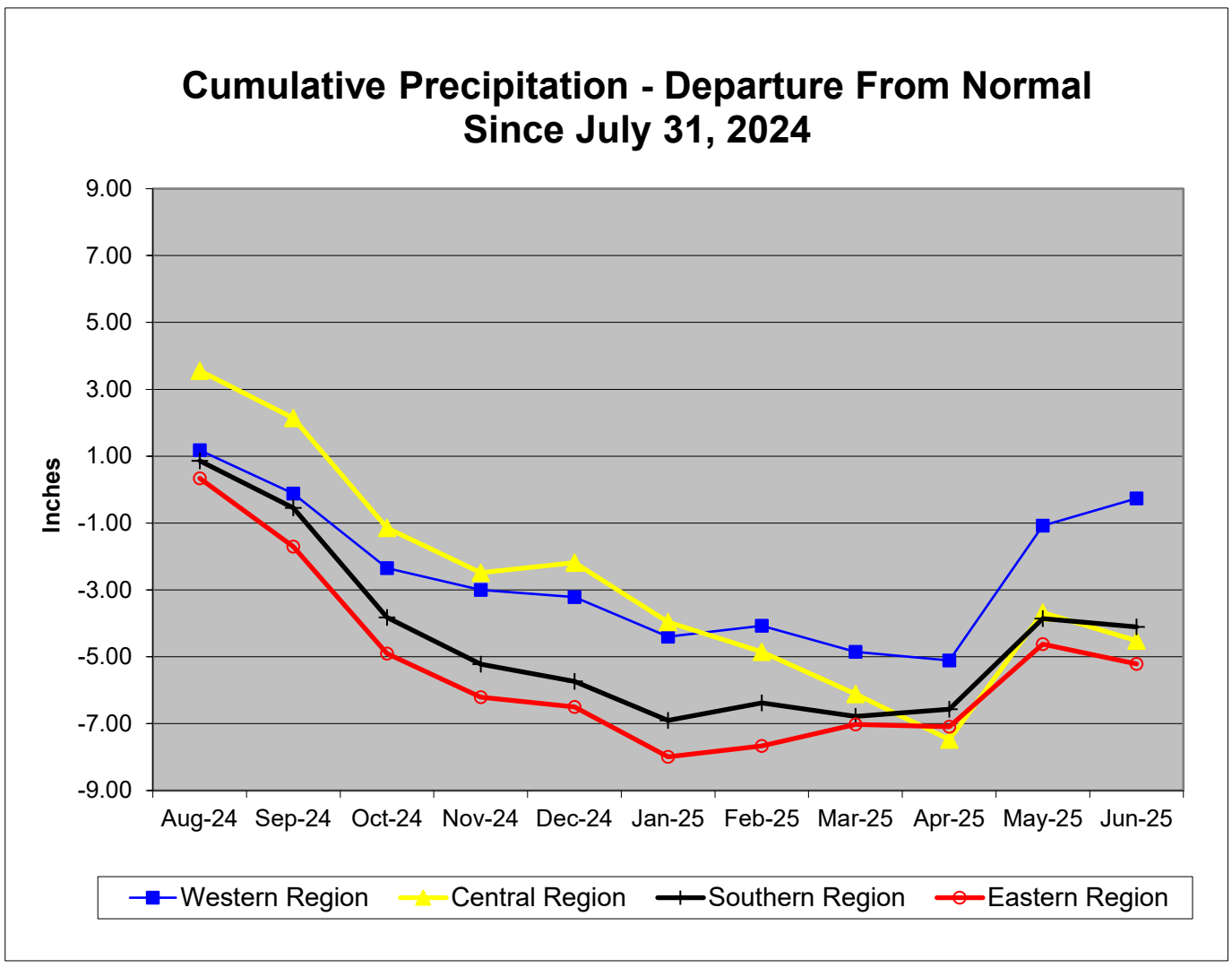
Summary of Hydrologic Indicators for 15 June 2025					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Normal	Normal	Normal	Normal	Normal
Central	Watch	Normal	Emergency	Normal	Warning
Eastern	Normal	Normal	Normal		Normal
Southern	Normal		Normal		Normal

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 June 15, 2025						
	Since Sept 30, 2024		Since Dec 31, 2024		Since June 30, 2024	
Regions	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**
Western	99%	Normal	115%	Normal	97%	Normal
Central	78%	Watch	88%	Normal	86%	Normal
Eastern	88%	Normal	107%	Normal	90%	Normal
Southern	88%	Normal	108%	Normal	87%	Normal
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 June 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 June 30, 2024)				2.5 Months (Since March 31, 2025)				5.5 Months (Since December 31, 2024)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	26.8	26.1	-0.7	97%	37.1	36.3	-0.8	98%	9.3	15.9	6.5	170%	18.0	21.1	3.1	117%
	GARRETT	31.7	34.5	2.8	109%	44.1	43.5	-0.6	99%	10.9	17.0	6.1	155%	21.8	24.9	3.1	114%
	WASHINGTON	29.6	27.1	-2.5	92%	41.9	40.2	-1.7	96%	8.9	10.1	1.2	113%	19.7	22.4	2.7	114%
	Regional Average	29.4	29.2	-0.2	99%	41.0	40.0	-1.1	97%	9.7	14.3	4.6	147%	19.8	22.8	3.0	115%
CENTRAL REGION	BALTIMORE COUNTY	31.5	23.6	-7.9	75%	43.4	36.2	-7.2	83%	9.9	11.1	1.1	111%	20.4	17.1	-3.3	84%
	CARROLL	29.9	23.2	-6.7	78%	41.6	37.3	-4.3	90%	9.6	11.7	2.1	122%	19.5	16.8	-2.6	86%
	CECIL	30.4	24.9	-5.5	82%	42.8	34.2	-8.6	80%	9.5	10.7	1.2	113%	19.7	18.5	-1.2	94%
	FREDERICK	29.2	23.0	-6.2	79%	40.2	35.9	-4.3	89%	9.8	12.5	2.8	128%	19.2	17.4	-1.8	91%
	HARFORD	31.0	23.7	-7.3	76%	43.6	33.9	-9.8	78%	9.8	10.8	1.0	110%	20.0	17.1	-2.9	85%
	HOWARD	30.8	23.4	-7.4	76%	42.2	37.4	-4.8	89%	9.9	10.8	0.9	109%	20.1	17.1	-3.0	85%
	MONTGOMERY	29.2	23.4	-5.8	80%	40.6	37.2	-3.4	92%	9.6	11.8	2.2	122%	19.2	17.7	-1.5	92%
	Regional Average	30.3	23.6	-6.7	78%	42.0	36.0	-6.0	86%	9.7	11.3	1.6	116%	19.7	17.4	-2.3	88%
SOUTHERN REGION	ANNE ARUNDEL	29.4	24.4	-5.0	83%	40.7	35.7	-5.1	88%	9.4	11.1	1.7	118%	19.3	18.9	-0.4	98%
	CALVERT	30.2	26.3	-3.9	87%	41.8	35.3	-6.6	84%	9.7	12.0	2.3	124%	19.8	21.4	1.6	108%
	CHARLES	28.8	25.8	-3.0	90%	40.3	34.6	-5.7	86%	9.1	12.6	3.5	138%	18.8	21.2	2.4	113%
	PRINCE GEORGES	29.2	25.0	-4.1	86%	40.4	35.9	-4.5	89%	9.4	11.8	2.4	126%	18.9	19.8	0.9	105%
	ST MARYS	29.7	27.9	-1.8	94%	41.7	37.2	-4.5	89%	9.2	12.7	3.5	138%	19.4	23.1	3.7	119%
	Regional Average	29.4	25.9	-3.6	88%	41.0	35.7	-5.3	87%	9.4	12.1	2.7	129%	19.2	20.8	1.6	108%
EASTERN REGION	CAROLINE	29.5	25.6	-3.9	87%	41.4	37.0	-4.4	89%	9.3	9.9	0.6	106%	19.4	20.3	0.8	104%
	DORCHESTER	29.9	26.8	-3.1	90%	41.8	38.6	-3.2	92%	9.4	10.5	1.1	112%	19.8	21.7	1.9	109%
	KENT	29.6	24.7	-4.9	83%	41.4	33.4	-8.0	81%	9.4	10.8	1.4	114%	19.4	18.8	-0.7	97%
	QUEEN ANNES	29.5	25.0	-4.5	85%	41.2	35.0	-6.2	85%	9.3	10.9	1.5	117%	19.3	19.4	0.1	100%
	SOMERSET	28.7	27.4	-1.3	95%	41.3	39.7	-1.6	96%	8.6	10.5	1.9	123%	19.2	22.7	3.6	119%
	TALBOT	30.0	25.9	-4.0	87%	41.9	37.4	-4.5	89%	9.5	10.7	1.2	112%	19.7	20.7	1.0	105%
	WICOMICO	27.2	23.1	-4.1	85%	37.7	35.0	-2.7	93%	9.2	13.7	4.5	149%	17.9	18.0	0.2	101%
	WORCESTER	29.7	27.5	-2.2	93%	42.3	38.4	-4.0	91%	8.5	10.9	2.3	127%	19.5	22.9	3.4	117%
	Regional Average	29.3	25.8	-3.5	88%	41.1	36.8	-4.3	90%	9.2	11.0	1.8	120%	19.3	20.5	1.3	107%
INDEPENDENT CITY OF BALTIMORE		31.5	23.6	-7.9	75%	43.4	36.2	-7.2	83%	9.9	11.1	1.1	111%	20.4	17.1	-3.3	84%
Statewide Average		29.7	25.5	-4.2	86%	41.4	36.7	-4.7	89%	9.5	11.7	2.2	124%	19.5	19.8	0.3	102%

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

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

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		785.5	95%-100%	Normal
Western	Savage River (near Barton)	[1]	N/A	N/A	N/A
Western	Wills Creek (near Cumberland)		1,020	95%-100%	Normal
Western	Marsh Run (at Grimes)		15.3	60%-65%	Normal
Central	Catoctin Creek (near Middletown)		162.6	90%-95%	Normal
Central	Monocacy (Jug Bridge near Frederick)		1,597	85%-90%	Normal
Central	Patuxent (near Unity)		41.0	55%-60%	Normal
Central	Deer Cr (at Rocks)		106.4	30%-35%	Normal
Eastern	Choptank (near Greensboro)		89.7	45%-50%	Normal
Eastern	Nassawango Creek (near Snow Hill)		24.2	45%-50%	Normal
	Susquehanna (at Marietta)		70,663	90%-95%	Normal
	Potomac (at Little Falls)(Adjusted)		24,980	90%-95%	Normal

Notes:
[1] Gage data missing due to flooding

Ground Water Status for 15 June 2025				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	8.79 [3]	Normal	Normal
	AL Ah 1	2.89 [2]	Normal	
	WA Be 2	29.62 [2]	Normal	
	WA Bk 25	42.03 [3]	Normal	
	WA Ci 82	42.43 [2]	Normal	
Central	BA Dc 444	43.09 [3]	Emergency	Emergency
	BA Ea 18	24.83 [2]	Emergency	
	CL Ad 47	2.9 [3]	Normal	
	Fr Bd 96	10.96 [2]	Normal	
	Fr Df 35	57.26 [2]	Watch	
	HA Bd 31	12.56 [2]	Emergency	
	HA Ca 23	9.07 [2]	Emergency	
	MO Cc 14	26.17 [2]	Normal	
Eastern	QA Cg 69	3.65 [2]	Normal	Normal
	WI Cg 20	5.2 [2]	Normal	
	MC51-01	13.09 [3]	Watch	
	SO Cf 2	1.73 [2]	Normal	
Southern	CH Bg 12 (unconfined)	4.95 [3]	Normal	***Normal***
	CA Fd 54 (confined)	245.13 [3]	On Trend[4]	

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2025-06-16
[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

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%	450
City of Cumberland	Lake Gordon	100%	404
	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.

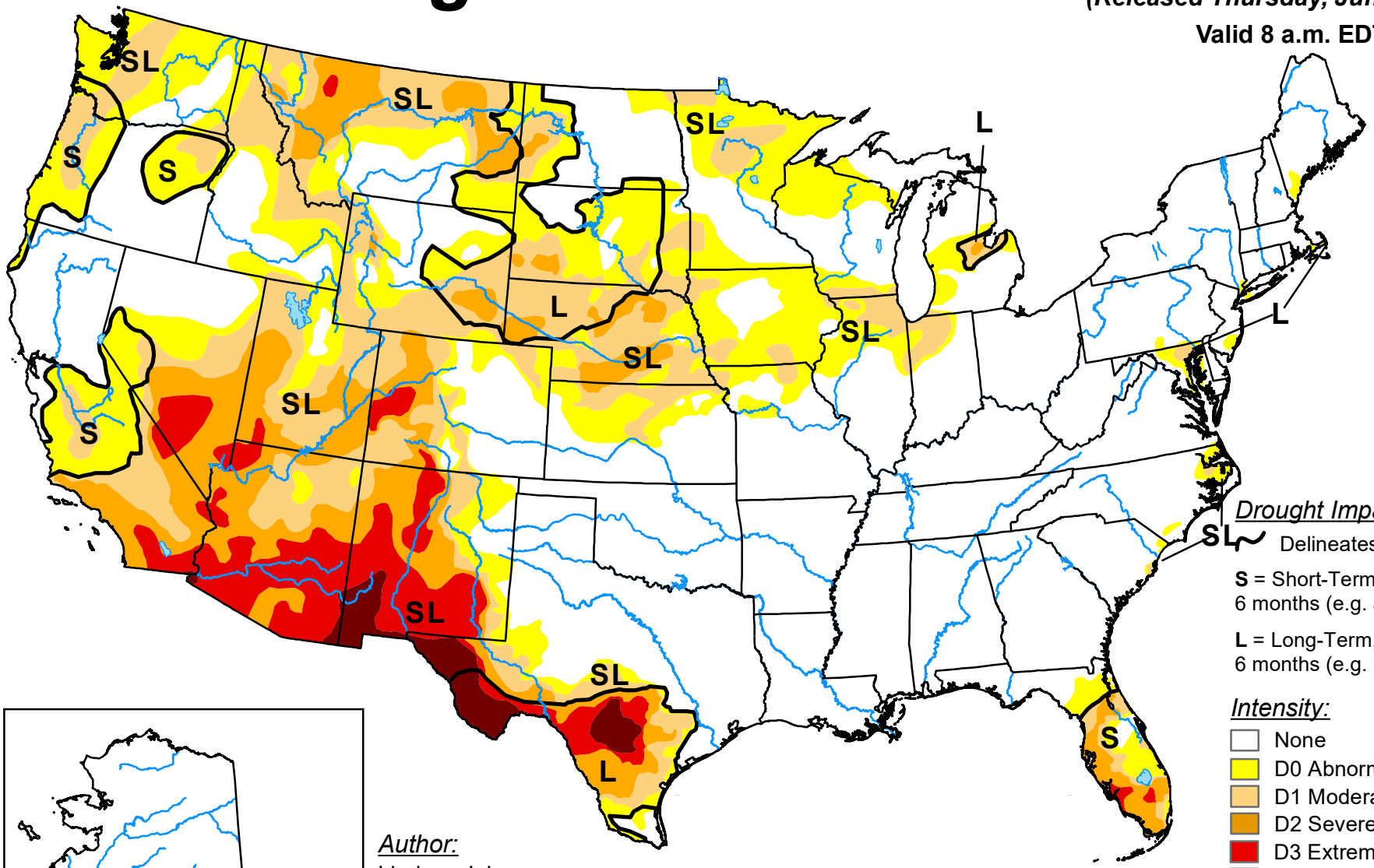
*** Percent full for Jennings-Randolph Reservoir is based on allotted amount of water in reservoir used to supplement Potomac River flow for drinking water purposes.

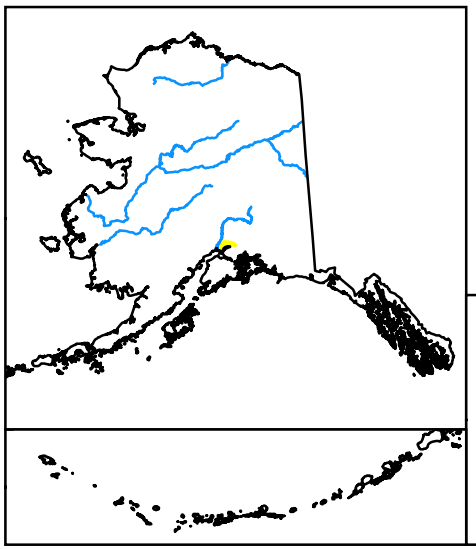
U.S. Drought Monitor

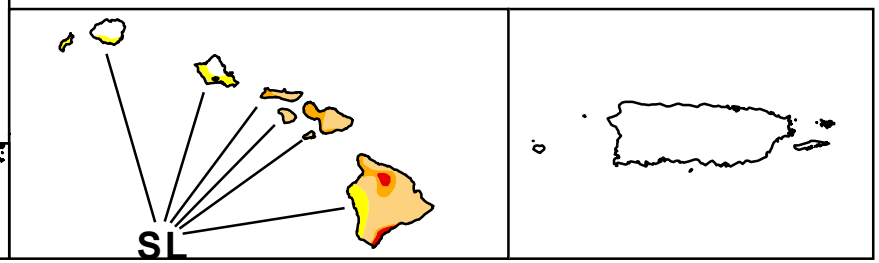
June 10, 2025

(Released Thursday, Jun. 12, 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:

Lindsay Johnson

National Drought Mitigation Center

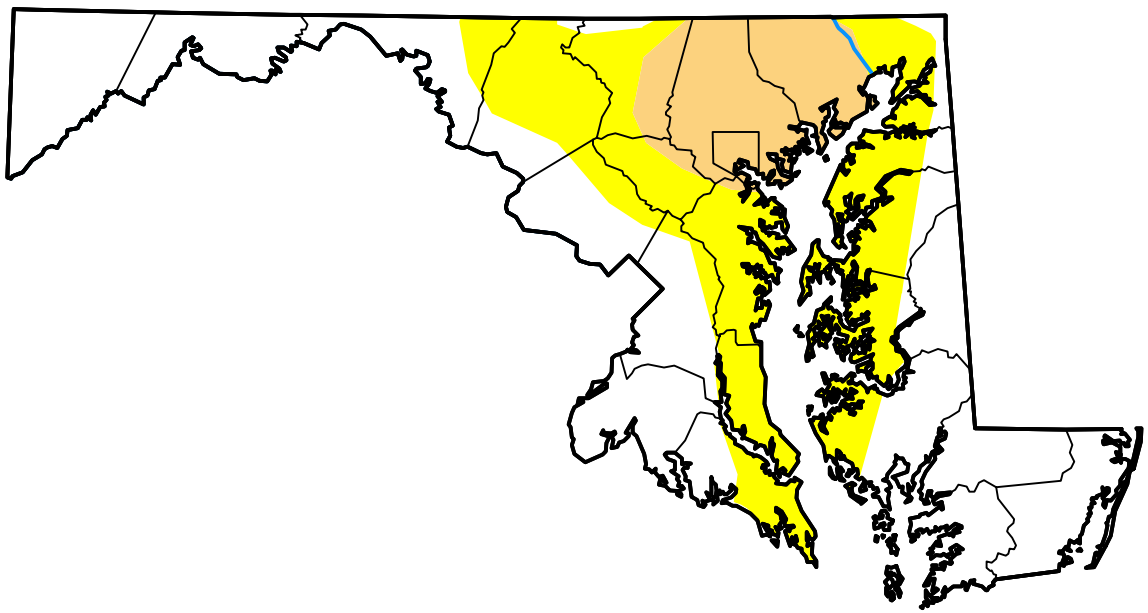
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

USDA NDMC NOAA

droughtmonitor.unl.edu

U.S. Drought Monitor

Maryland



June 10, 2025

(Released Thursday, Jun. 12, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	53.28	46.72	13.72	0.00	0.00	0.00
Last Week *06-03-2025*	51.16	48.84	13.72	0.00	0.00	0.00
3 Months Ago *03-11-2025*	1.95	98.05	92.54	34.89	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 *06-11-2024*	57.46	42.54	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:

Lindsay Johnson

National Drought Mitigation Center

droughtmonitor.unl.edu