

Overall Hydrologic Status for Maryland

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

Notes:

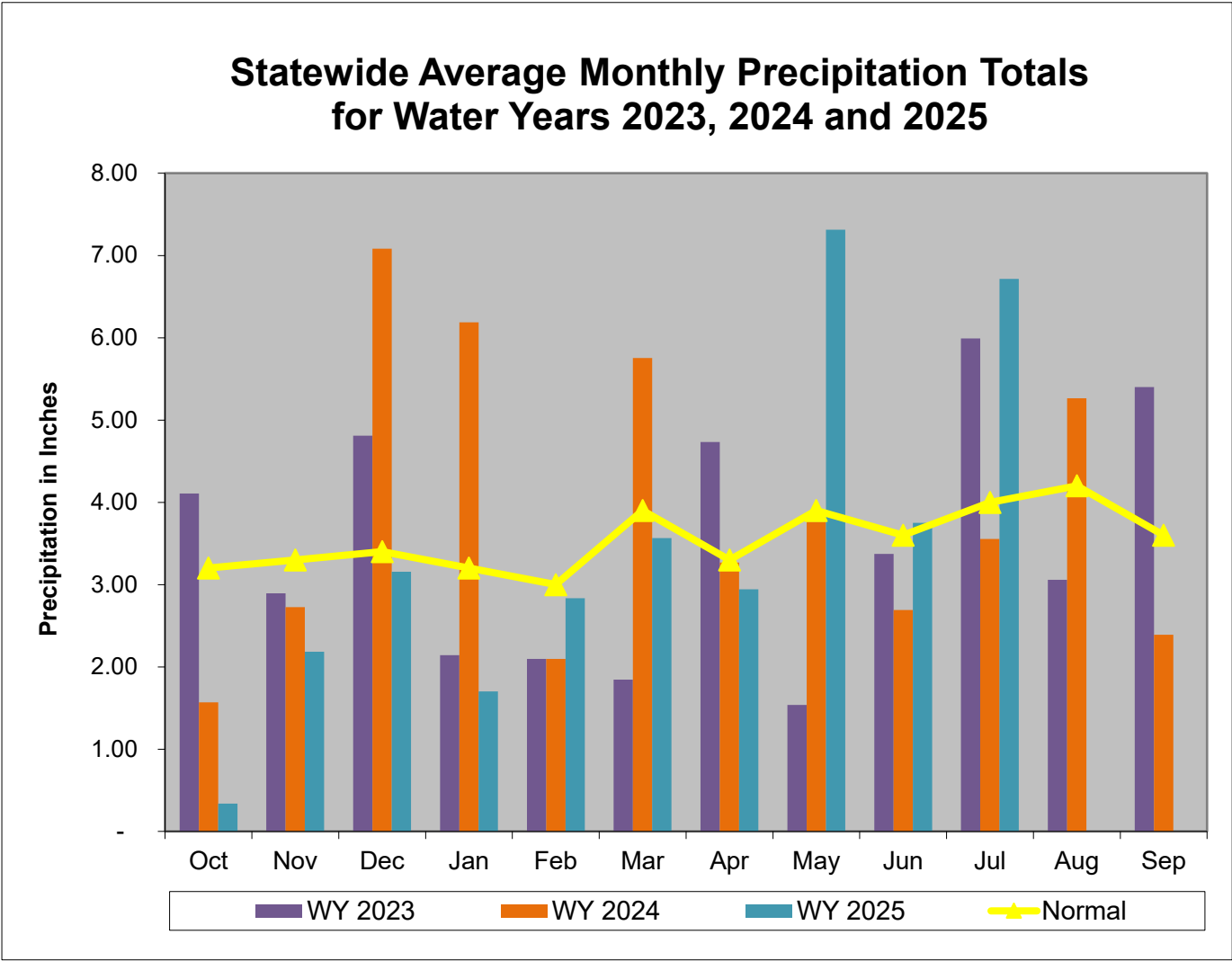
WSSC has lifted their Drought Watch as of June 20th 2025:

<https://www.mwcog.org/newsroom/2025/06/20/cog-lifts-regional-drought-watch-/>

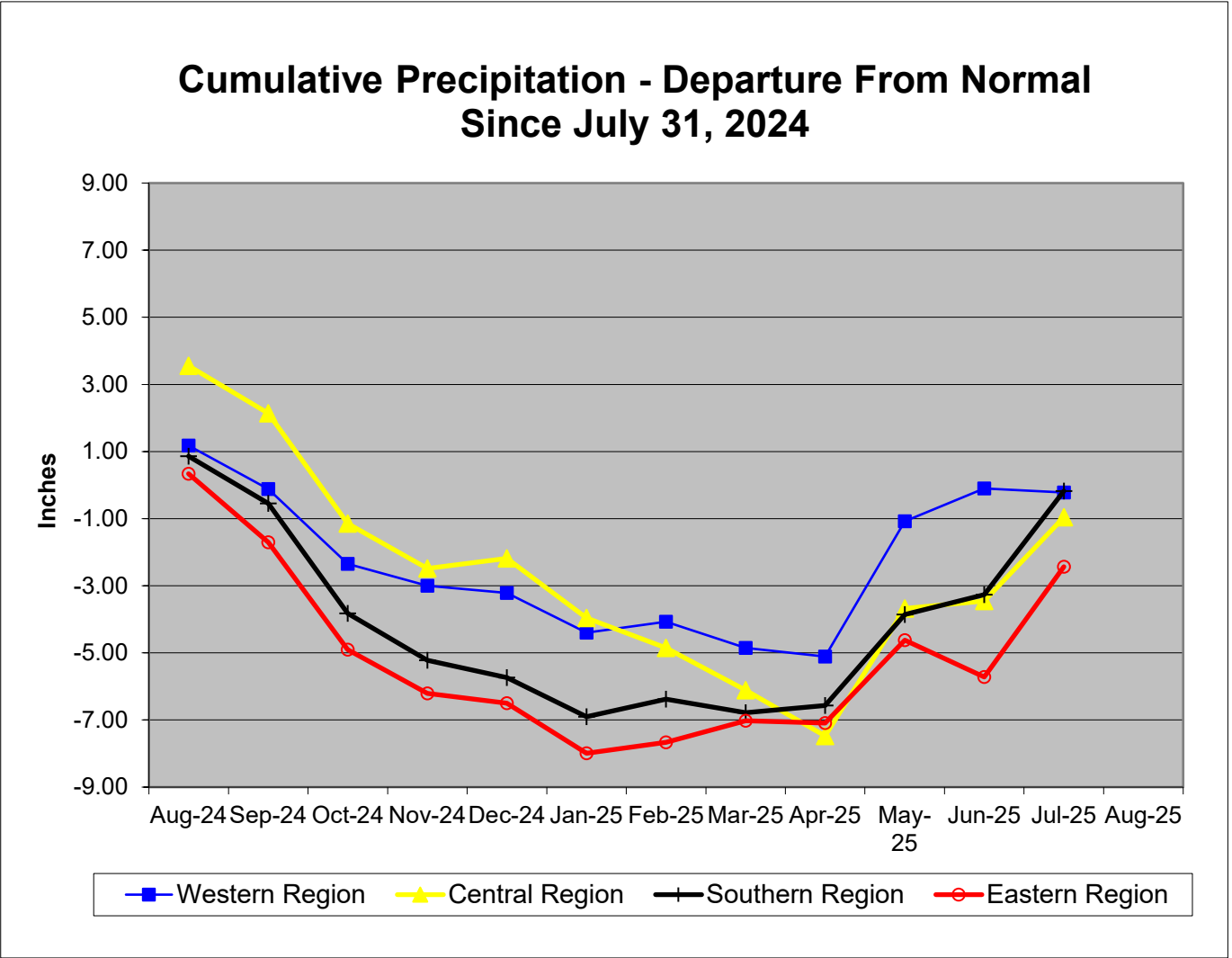
Baltimore DPW Removed Drought Watch lifted as of June 30th 2025:

<https://publicworks.baltimorecity.gov/news/press-releases/2025-06-30-voluntary-water-restrictions-lifted-baltimore-region-following-record>

Precipitation Indicators for Maryland Drought Regions						
July 31, 2025						
	Since Sept 30, 2024		Since Jan 31, 2024		Since July 30, 2024	
Regions	Percent of Normal	Condition	Percent of Normal	Condition	Percent of Normal	Condition
Western	100%	Normal	118%	Normal	99%	Normal
Central	91%	Normal	113%	Normal	98%	Normal
Eastern	101%	Normal	130%	Normal	100%	Normal
Southern	98%	Normal	125%	94%	90%	Normal
WY or Water Year begins on October 1.						



Data obtained from: [http://www.weather.gov/marfc/Precipitation Departures](http://www.weather.gov/marfc/Precipitation%20Departures)



**Precipitation in Maryland Counties
as of 31 July 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 July 31, 2024)				3 Months (Since April 30, 2025)				6 Months (Since January 31, 2024)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	32.3	31.6	-0.7	98%	39.0	40.6	1.7	104%	11.5	18.8	7.3	164%	20.9	25.5	4.6	122%
	GARRETT	39.0	40.8	1.8	105%	46.4	47.5	1.1	102%	14.4	20.0	5.6	139%	25.4	28.3	2.9	111%
	WASHINGTON	35.1	33.6	-1.4	96%	43.2	39.7	-3.5	92%	10.9	12.7	1.8	116%	21.7	26.7	5.1	123%
	Regional Average	35.4	35.3	-0.1	100%	42.8	42.6	-0.2	99%	12.3	17.2	4.9	140%	22.7	26.8	4.2	118%
CENTRAL REGION	BALTIMORE COUNTY	37.5	34.3	-3.3	91%	45.2	44.6	-0.6	99%	12.4	19.8	7.4	160%	23.0	26.4	3.4	115%
	CARROLL	35.7	31.4	-4.4	88%	43.4	42.3	-1.1	97%	12.0	17.8	5.8	148%	22.2	23.8	1.6	107%
	CECIL	36.7	33.5	-3.3	91%	44.7	39.5	-5.2	88%	12.4	16.1	3.7	130%	22.8	25.8	3.1	114%
	FREDERICK	34.8	29.7	-5.1	85%	42.1	40.1	-2.0	95%	11.9	17.3	5.4	145%	21.9	22.8	0.9	104%
	HARFORD	37.5	34.8	-2.7	93%	45.6	42.6	-2.9	94%	12.7	19.7	6.9	155%	23.2	26.9	3.7	116%
	HOWARD	36.7	35.3	-1.4	96%	44.1	47.0	2.9	107%	12.4	20.9	8.5	169%	22.9	27.3	4.5	120%
	MONTGOMERY	35.1	33.5	-1.6	95%	42.5	44.7	2.2	105%	12.2	20.1	7.9	164%	22.1	26.0	3.9	118%
	Regional Average	36.3	33.2	-3.1	91%	43.9	43.0	-1.0	98%	12.3	18.8	6.5	153%	22.6	25.6	3.0	113%
SOUTHERN REGION	ANNE ARUNDEL	35.3	34.8	-0.4	99%	42.6	43.5	1.0	102%	12.0	18.6	6.6	155%	22.0	27.5	5.5	125%
	CALVERT	36.3	36.7	0.4	101%	43.8	42.9	-1.0	98%	12.4	18.5	6.1	149%	22.7	29.9	7.2	132%
	CHARLES	34.8	35.1	0.3	101%	42.3	41.2	-1.1	97%	11.9	18.5	6.6	155%	21.7	28.4	6.7	131%
	PRINCE GEORGES	35.1	35.2	0.2	100%	42.3	43.5	1.2	103%	12.0	19.0	7.0	158%	21.8	27.9	6.2	128%
	ST MARYS	35.7	37.1	1.4	104%	43.5	42.6	-0.9	98%	12.0	17.7	5.7	148%	22.2	30.3	8.1	136%
	Regional Average	35.4	35.8	0.4	101%	42.9	42.7	-0.2	100%	12.1	18.4	6.4	153%	22.1	28.8	6.7	130%
EASTERN REGION	CAROLINE	35.5	34.4	-1.1	97%	43.3	39.9	-3.4	92%	11.8	15.4	3.6	131%	22.1	27.2	5.1	123%
	DORCHESTER	36.2	37.3	1.1	103%	43.8	42.6	-1.2	97%	12.2	17.4	5.2	143%	22.7	30.2	7.5	133%
	KENT	35.5	33.6	-1.9	95%	43.2	38.7	-4.5	89%	12.0	16.8	4.9	141%	22.2	26.4	4.2	119%
	QUEEN ANNES	35.4	33.9	-1.6	96%	43.0	39.4	-3.6	92%	11.9	16.5	4.6	139%	22.1	26.7	4.6	121%
	SOMERSET	34.9	36.1	1.2	103%	43.0	42.0	-1.0	98%	11.3	15.3	3.9	135%	21.9	29.2	7.3	133%
	TALBOT	36.0	35.7	-0.4	99%	43.8	42.0	-1.7	96%	12.1	17.0	4.9	140%	22.5	28.5	6.0	127%
	WICOMICO	33.1	31.3	-1.8	95%	40.1	40.4	0.3	101%	11.9	19.5	7.6	164%	21.1	25.2	4.1	119%
	WORCESTER	35.8	34.4	-1.4	96%	44.1	39.8	-4.3	90%	11.3	13.9	2.6	123%	22.0	27.7	5.6	126%
	Regional Average	35.3	34.6	-0.7	98%	43.0	40.6	-2.4	94%	11.8	16.5	4.7	139%	22.1	27.6	5.6	125%
INDEPENDENT CITY OF BALTIMORE		37.5	34.3	-3.3	91%	45.2	44.6	-0.6	99%	12.4	19.8	7.4	160%	23.0	26.4	3.4	115%
Statewide Average		35.7	34.5	-1.2	97%	43.3	42.2	-1.2	97%	12.1	17.8	5.7	147%	22.3	27.1	4.8	121%

WY¹ - USGS Water Year, which begins October 1

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

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		111.6	50%-55%	Normal
Western	Savage River (near Barton)		17.7	65%-70%	Normal
Western	Wills Creek (near Cumberland)		152	75%-80%	Normal
Western	Marsh Run (at Grimes)		11.4	70%-75%	Normal
Central	Catoctin Creek (near Middletown)		23.9	55%-60%	Normal
Central	Monocacy (Jug Bridge near Frederick)		403	60%-65%	Normal
Central	Patuxent (near Unity)		27.8	65%-70%	Normal
Central	Deer Cr (at Rocks)		97.4	50%-55%	Normal
Eastern	Choptank (near Greensboro)		113.0	85%-90%	Normal
Eastern	Nassawango Creek (near Snow Hill)		10.1	50%-55%	Normal
	Susquehanna (at Marietta)		26,550	85%-90%	Normal
	Potomac (at Little Falls)(Adjusted)		10,460	90%-95%	Normal

Notes:

Ground Water Status for 31 July 2025			
Region	USGS Well ID	Well Level[1]	Status
Western	GA Bc 1	10.47 *	Normal
	AL Ah 1	4.29	Normal
	WA Be 2	29.94	Normal
	WA Bk 25	47.22	Watch
	WA Ci 82	46.49	Normal
Central	BA Dc 444	42.62 [3]	Emergency
	BA Ea 18	23.53	Watch
	CL Ad 47	3.28 [3]	Normal
	Fr Bd 96	25.86	Normal
	Fr Df 35	57.53	Watch
	HA Bd 31	11.95	Normal
	HA Ca 23	8.11	Emergency
	MO Cc 14	32.12	Normal
Eastern	QA Cg 69	4.23	Normal
	WI Cg 20	5.98	Normal
	MC51-01	13.59	Watch
	SO Cf 2	2.71	Normal
Southern	CH Bg 12 (unconfined)	5.95 [3]	Normal
	CA Fd 54 (confined)	246.35 [3]	On Trend[4]
[1] - Measurement of water level as feet below land surface [2] - Not Available as of 2025-08-03 [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. * Statistic computed from less than expected number of instantaneous values for the period			

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 July 2025

<i>Water System</i>	<i>Reservoir</i>	<i>Percent Full*</i>	<i>Days of Storage**</i>
City of Frostburg	Piney	100%	425
City of Cumberland	Lake Gordon	100%	418
	Lake Koon	100%	
City of Baltimore	Liberty	100%	360
	Loch Raven	100%	
	Prettyboy	100%	
	Total	100%	
WSSC	Tridelphia Reservoir	94%	190
	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 July 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.

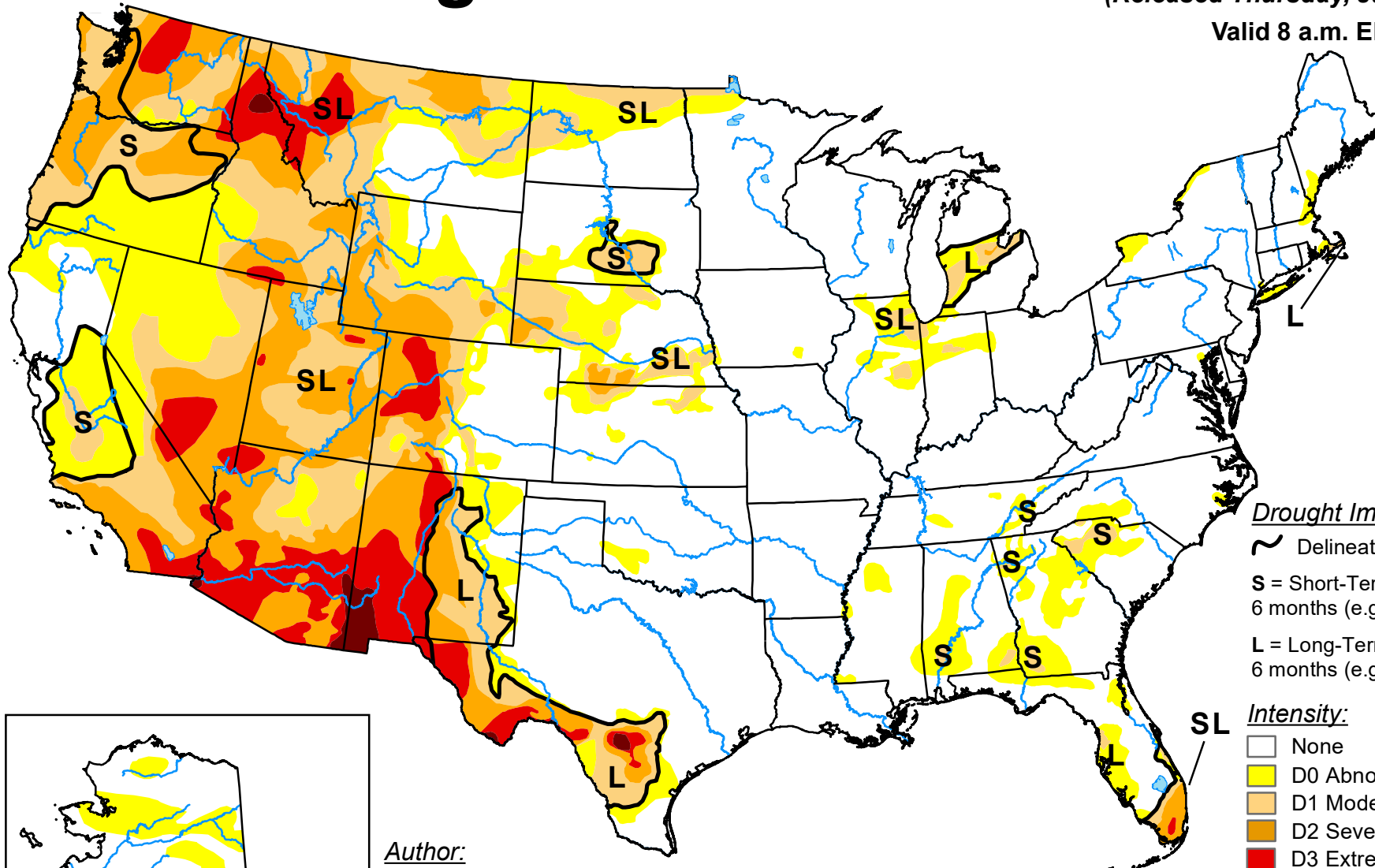
*** Percent full for Jennings-Randolph Reservoir is based on allotted amount of water in reservoir used to supplement Potomac River flow for drinking water purposes.

U.S. Drought Monitor

July 29, 2025

(Released Thursday, Jul. 31, 2025)

Valid 8 a.m. EDT



Drought Impact Types:

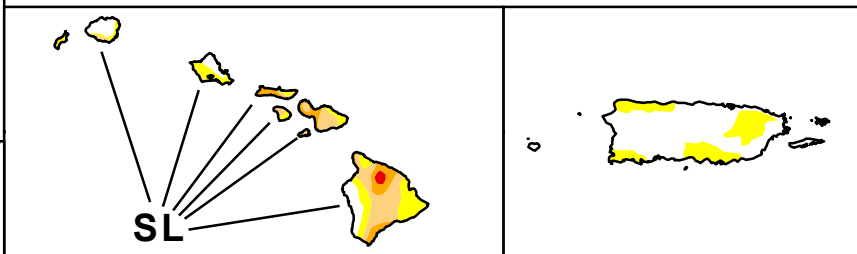
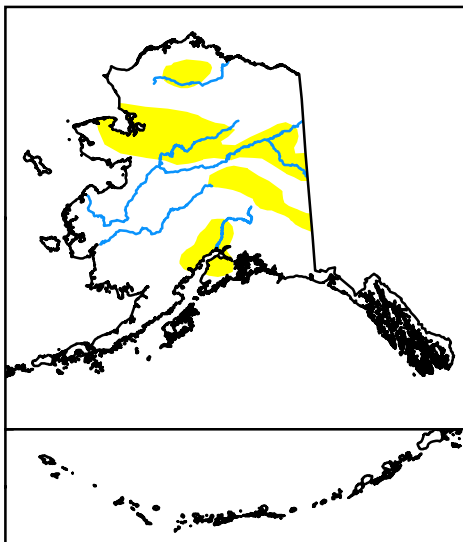
- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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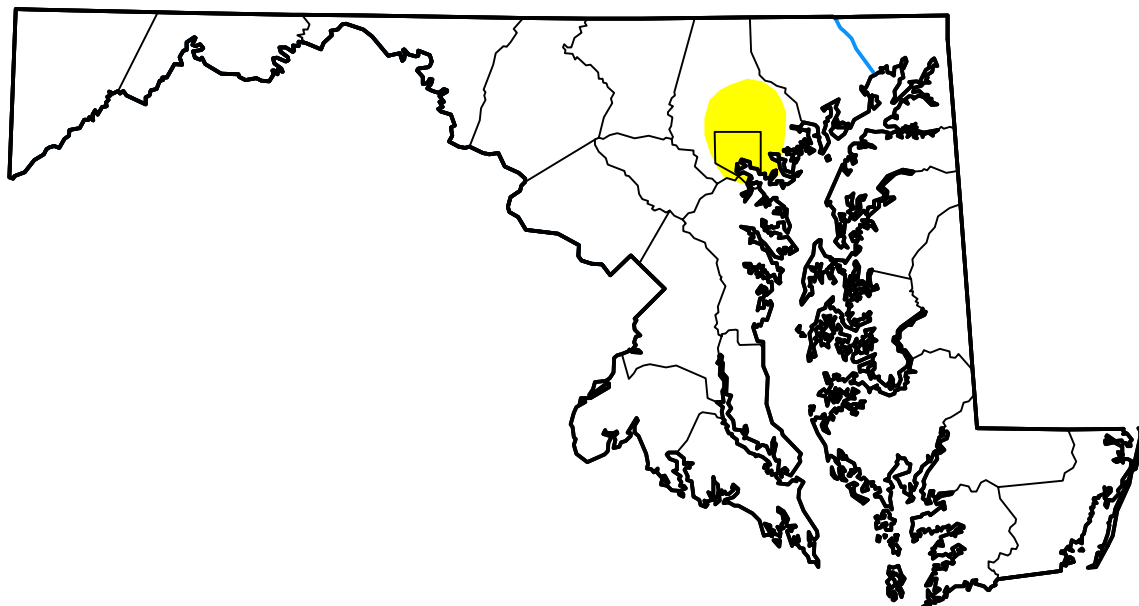
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



droughtmonitor.unl.edu

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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	97.03	2.97	0.00	0.00	0.00	0.00
Last Week 07-22-2025	97.03	2.97	0.00	0.00	0.00	0.00
3 Months Ago 04-29-2025	19.36	80.64	65.36	43.03	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 07-30-2024	32.74	67.26	39.76	23.44	8.52	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

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