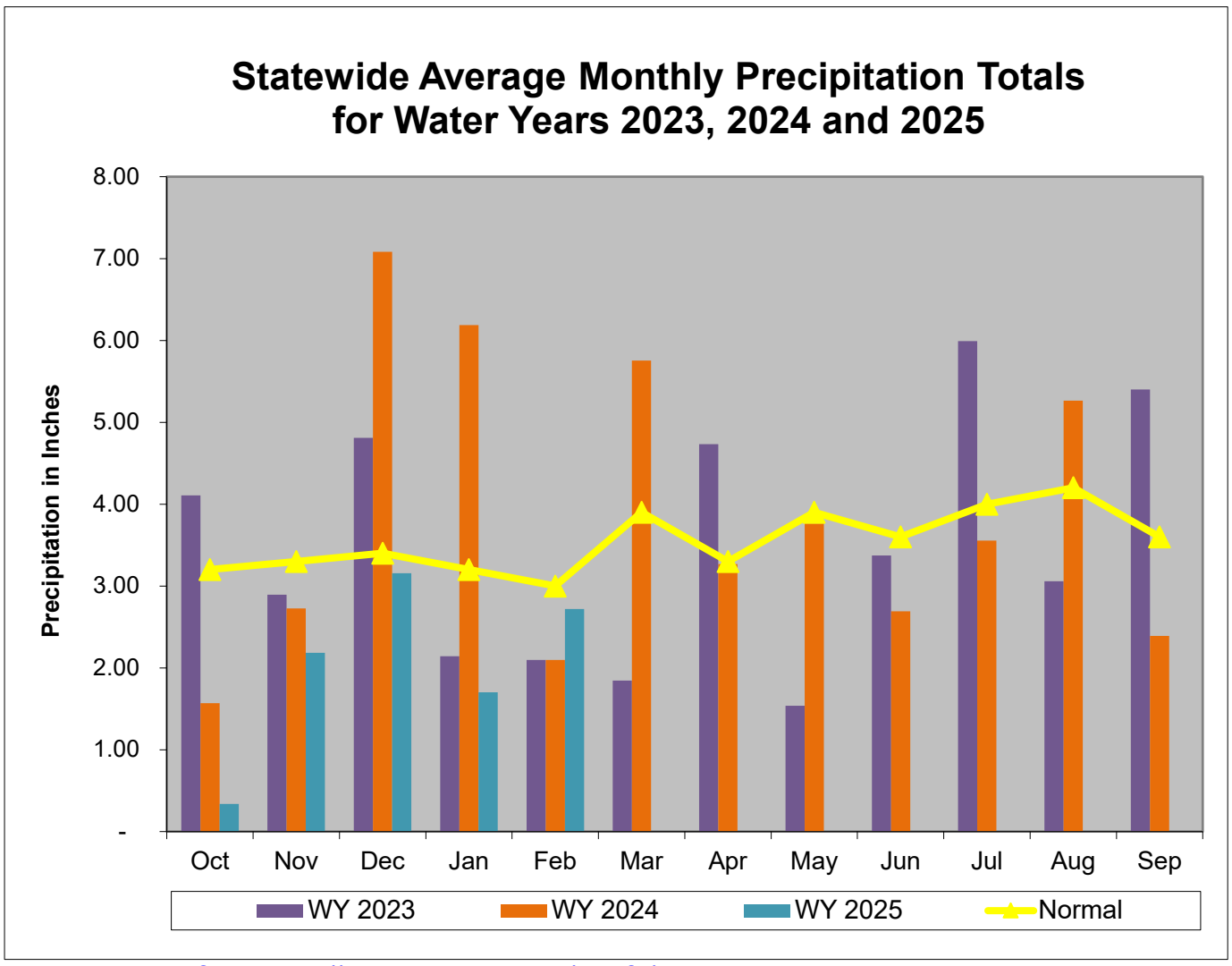
Overall Hydrologic Status for Maryland

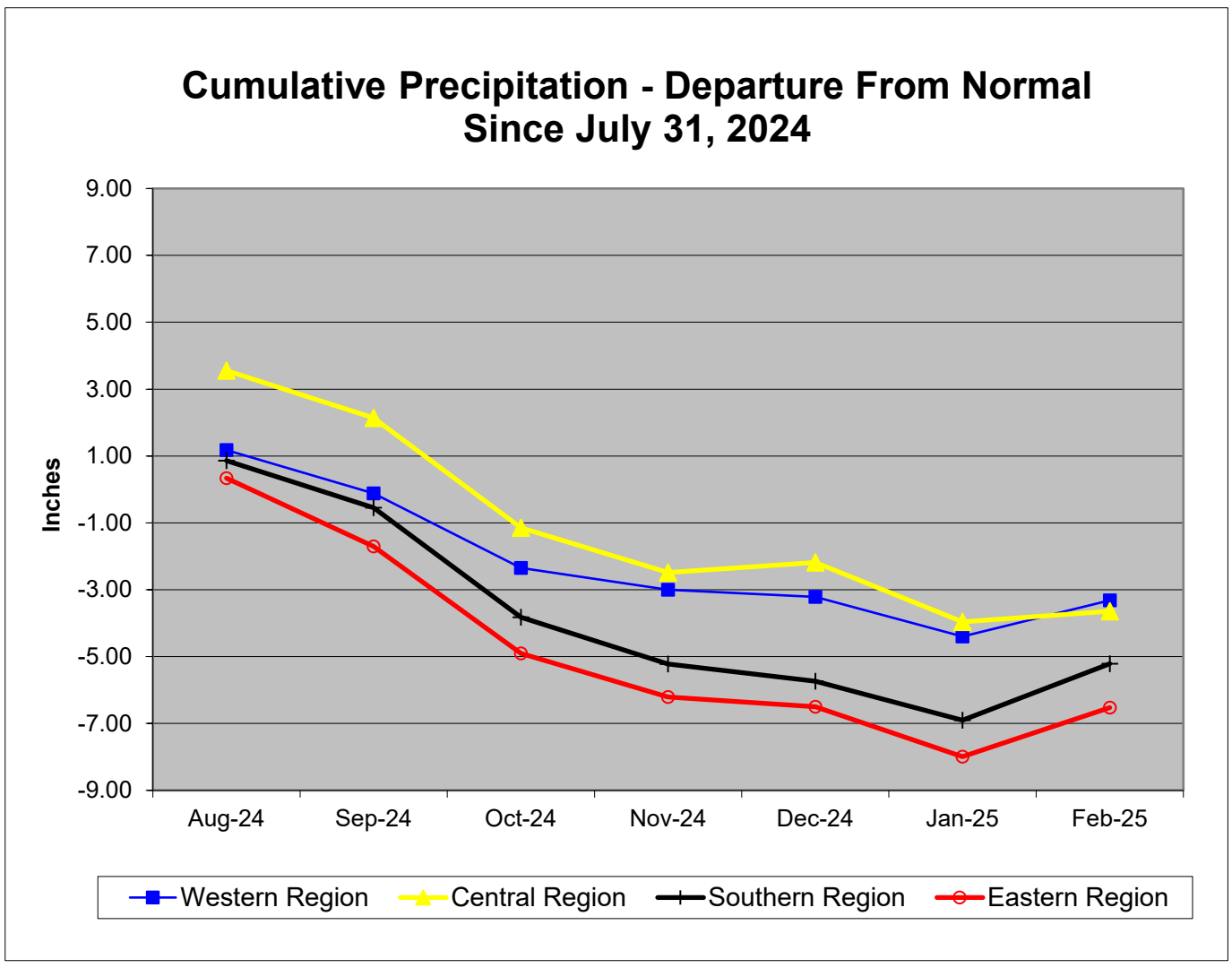
Summary of Hydrologic Indicators for 15 February					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Watch	Watch	Watch	Normal	Watch
Central	Warning	Warning	Watch	Normal	Watch
Eastern	Warning	Emergency	Emergency		Warning
Southern	Warning		Watch		Warning

Notes: Several streamflow gages are missing data due to ice.
WSSC has extended their drought Watch as of November 7th:
https://www.mwcog.org/newsroom/2024/11/07/officials-extend-drought-watch-for-dc-region-drought/

Precipitation Indicators for Maryland Drought Regions February 15, 2025						
	Since Sept 30, 2024		Since August 30, 2024		Since February 29, 2024	
Regions	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**
Western	78%	Watch	78%	Watch	86%	Normal
Central	62%	Warning	81%	Normal	86%	Normal
Eastern	68%	Warning	62%	Warning	84%	Watch
Southern	69%	Warning	67%	Warning	75%	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 February 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 February 29, 2024)				2.5 Months (November 30, 2024)				5.5 Months (Since August 30, 2024)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	12.8	8.6	-4.2	67%	38.0	33.0	-5.0	87%	6.8	5.9	-0.9	87%	16.3	11.8	-4.5	72%
	GARRETT	15.3	14.3	-1.0	93%	44.9	41.7	-3.2	93%	8.7	8.5	-0.2	98%	19.0	16.8	-2.2	89%
	WASHINGTON	15.2	10.8	-4.4	71%	41.9	34.9	-7.0	83%	8.7	8.8	0.1	102%	19.0	12.2	-6.8	64%
	Regional Average	14.4	11.2	-3.2	78%	41.6	36.5	-5.1	88%	8.1	7.8	-0.3	96%	18.1	13.6	-4.5	75%
CENTRAL REGION	BALTIMORE COUNTY	16.2	9.8	-6.4	61%	44.1	38.4	-5.7	87%	8.6	7.0	-1.6	82%	20.6	12.9	-7.7	62%
	CARROLL	15.2	9.4	-5.8	62%	42.3	37.9	-4.4	90%	8.1	6.8	-1.3	84%	19.5	12.7	-6.7	65%
	CECIL	15.6	9.7	-5.9	62%	43.7	38.3	-5.4	88%	8.5	6.9	-1.5	82%	20.0	10.6	-9.3	53%
	FREDERICK	14.5	8.6	-5.9	59%	41.0	36.5	-4.5	89%	7.6	6.4	-1.2	84%	18.6	11.8	-6.8	64%
	HARFORD	15.9	9.6	-6.3	60%	44.4	36.7	-7.7	83%	8.4	6.9	-1.5	82%	20.3	12.2	-8.2	60%
	HOWARD	15.6	10.2	-5.4	66%	43.0	38.9	-4.1	91%	8.3	7.5	-0.8	91%	19.7	13.7	-6.0	69%
	MONTGOMERY	14.6	9.7	-4.9	66%	41.4	36.5	-5.0	88%	7.6	7.4	-0.2	97%	18.7	13.2	-5.5	70%
	Regional Average	15.4	9.6	-5.8	62%	42.8	37.6	-5.2	88%	8.1	7.0	-1.2	86%	19.6	12.4	-7.2	63%
SOUTHERN REGION	ANNE ARUNDEL	14.9	10.0	-4.8	67%	41.5	35.2	-6.3	85%	8.0	7.4	-0.6	93%	18.8	12.5	-6.3	67%
	CALVERT	15.2	10.3	-4.9	68%	42.7	33.3	-9.4	78%	8.2	8.1	-0.2	98%	19.1	12.7	-6.4	67%
	CHARLES	14.7	10.2	-4.5	69%	41.2	32.9	-8.3	80%	7.8	8.1	0.4	105%	18.6	12.3	-6.3	66%
	PRINCE GEORGES	14.9	10.2	-4.7	69%	41.2	33.7	-7.5	82%	7.8	7.8	0.0	101%	18.7	13.1	-5.6	70%
	ST MARYS	15.1	10.7	-4.4	71%	42.4	35.5	-6.9	84%	8.1	8.5	0.4	104%	19.0	13.2	-5.8	69%
	Regional Average	15.0	10.3	-4.7	69%	41.8	34.1	-7.7	82%	8.0	8.0	0.0	100%	18.8	12.8	-6.1	68%
EASTERN REGION	CAROLINE	15.0	10.3	-4.7	69%	42.2	37.9	-4.3	90%	8.2	8.2	-0.0	100%	18.8	12.3	-6.6	65%
	DORCHESTER	15.2	10.7	-4.5	71%	42.7	36.9	-5.8	86%	8.5	8.7	0.2	103%	18.8	12.5	-6.3	67%
	KENT	15.0	9.5	-5.4	64%	42.2	35.1	-7.1	83%	8.2	6.8	-1.3	84%	19.3	10.7	-8.5	56%
	QUEEN ANNES	15.0	9.8	-5.2	65%	42.0	36.0	-5.9	86%	8.2	7.3	-0.9	89%	19.1	11.2	-7.9	59%
	SOMERSET	14.7	11.0	-3.7	75%	41.9	41.6	-0.3	99%	8.3	8.7	0.4	105%	18.5	12.8	-5.7	69%
	TALBOT	15.2	10.3	-4.9	68%	42.6	38.0	-4.7	89%	8.3	8.2	-0.2	98%	19.0	12.9	-6.1	68%
	WICOMICO	13.4	7.8	-5.7	58%	39.3	37.8	-1.5	96%	7.0	5.7	-1.3	82%	17.2	9.8	-7.4	57%
	WORCESTER	15.6	11.0	-4.5	71%	42.9	37.9	-5.0	88%	8.8	9.3	0.5	106%	19.5	13.0	-6.5	67%
	Regional Average	14.9	10.0	-4.8	68%	42.0	37.6	-4.3	90%	8.2	7.9	-0.3	96%	18.8	11.9	-6.9	63%
INDEPENDENT CITY OF BALTIMORE		16.2	9.8	-6.4	61%	44.1	38.4	-5.7	87%	8.6	7.0	-1.6	82%	20.6	12.9	-7.7	62%
Statewide Average		15.0	10.1	-4.9	67%	42.2	36.8	-5.4	87%	8.1	7.6	-0.6	93%	19.0	12.5	-6.5	66%

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

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

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)	[1]	919.9	95%-100%	Normal
Western	Savage River (near Barton)	[1]	189.6	90%-95%	Normal
Western	Wills Creek (near Cumberland)		394	55%-60%	Normal
Western	Marsh Run (at Grimes)	[1]	3.5	5%-10%	Warning
Central	Catoctin Creek (near Middletown)		18.8	0%-5%	Emergency
Central	Monocacy (Jug Bridge near Frederick)		378	0%-5%	Emergency
Central	Patuxent (near Unity)	[1]	25.3	10%-15%	Watch
Central	Deer Cr (at Rocks)	[1]	52.6	0%-5%	Emergency
Eastern	Choptank (near Greensboro)		24.8	0%-5%	Emergency
Eastern	Nassawango Creek (near Snow Hill)		14.1	0%-5%	Emergency
	Susquehanna (at Marietta)		15,102	5%-10%	Warning
	Potomac (at Little Falls)(Adjusted)		9,613	30%-35%	Normal

Notes:

[1] Some data missing due to ice

Ground Water Status for 15 February 2025				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	7.78 [3]	Normal	Watch
	AL Ah 1	4.76 [2]	Normal	
	WA Be 2	35.45 [2]	Watch	
	WA Bk 25	49.94 [3]	Emergency	
	WA Ci 82	54.37 [2]	Watch	
Central	BA Dc 444	43.21 [3]	Warning	Watch
	BA Ea 18	25.25 [2]	Watch	
	CL Ad 47	2.92 [3]	Watch	
	Fr Bd 96	23.07 [2]	Watch	
	Fr Df 35	59.05 [2]	Normal	
	HA Bd 31	16.27 [2]	Warning	
	HA Ca 23	9.21 [2]	Emergency	
	MO Cc 14	37.17 [2]	Watch	
Eastern	QA Cg 69	5.68 [2]	Emergency	Emergency
	WI Cg 20	8.2 [2]	Emergency	
	MC51-01	15.56 [3]	Emergency	
	SO Cf 2	5.42 [3]	Emergency	
Southern	CH Bg 12 (unconfined)	4.5 [3]	Watch	***Watch***
	CA Fd 54 (confined)	242.61 [3]	On Trend[4]	

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2025-02-19
[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.

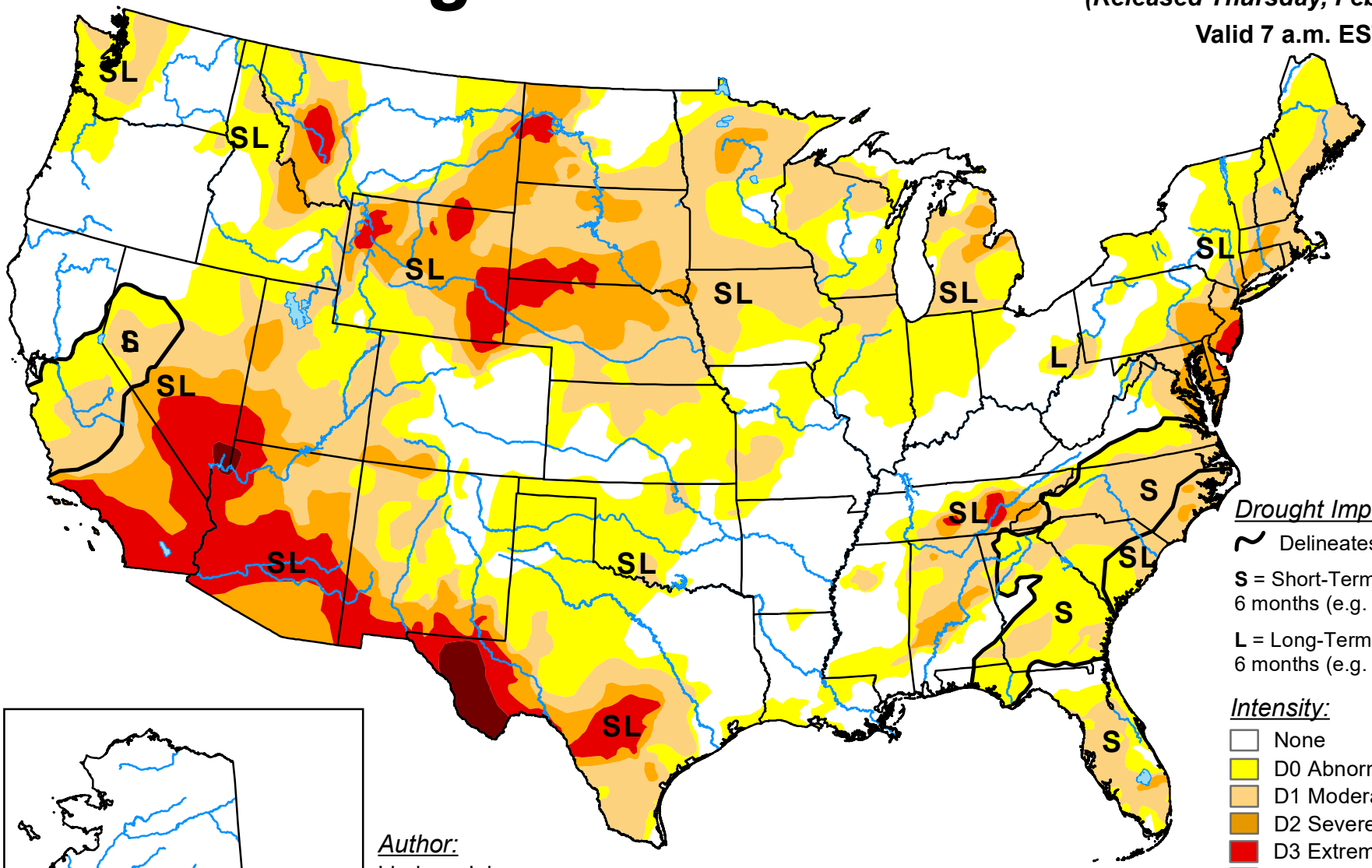
Selected ground water levels are available from USGS at:
http://md.water.usgs.gov/groundwater/
Data for other wells may be downloaded from:
USGS - NWIS Web Information for USA

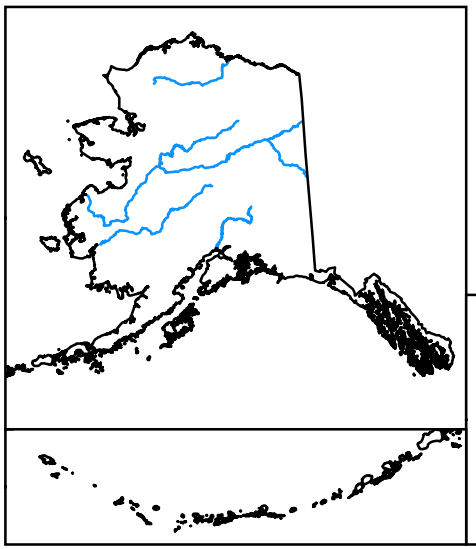
U.S. Drought Monitor

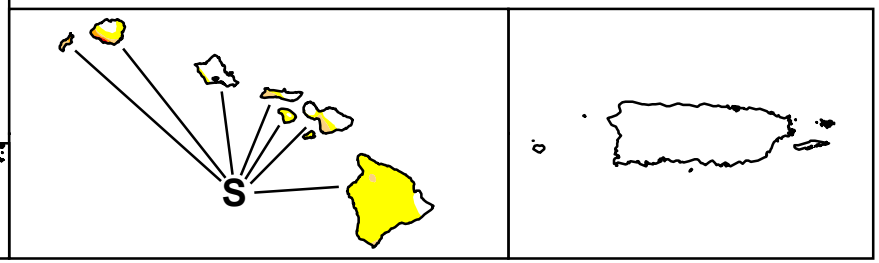
February 11, 2025

(Released Thursday, Feb. 13, 2025)

Valid 7 a.m. EST







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:

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

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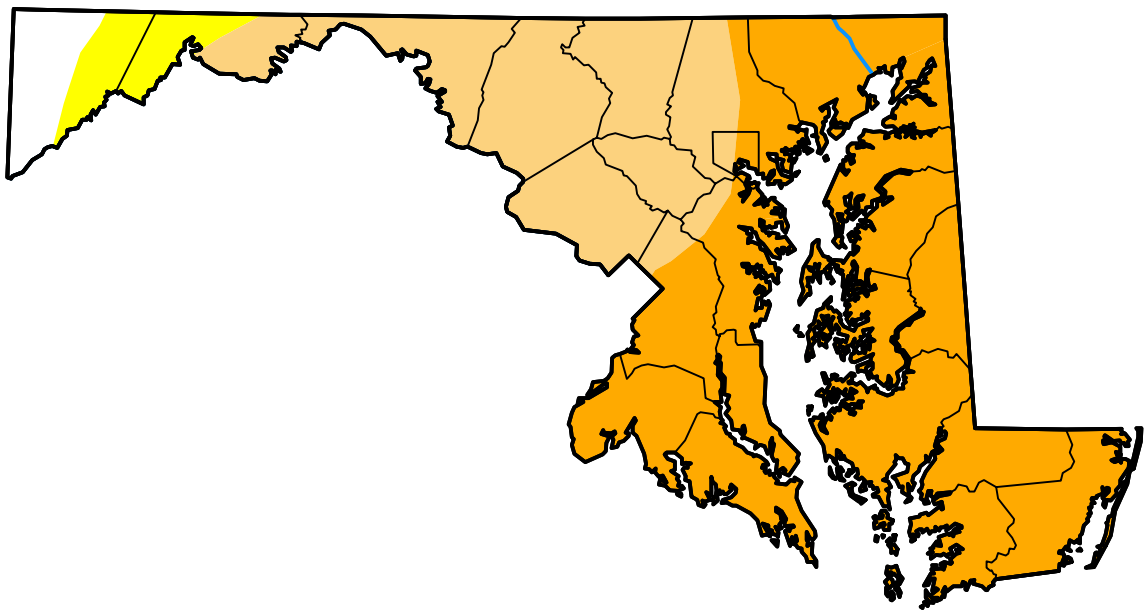
U.S. Drought Monitor

Maryland



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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	4.28	95.72	90.94	59.66	0.00	0.00
Last Week *02-04-2025*	2.92	97.08	95.30	59.66	0.00	0.00
3 Months Ago *11-12-2024*	0.00	100.00	92.35	53.16	4.07	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 *02-13-2024*	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
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