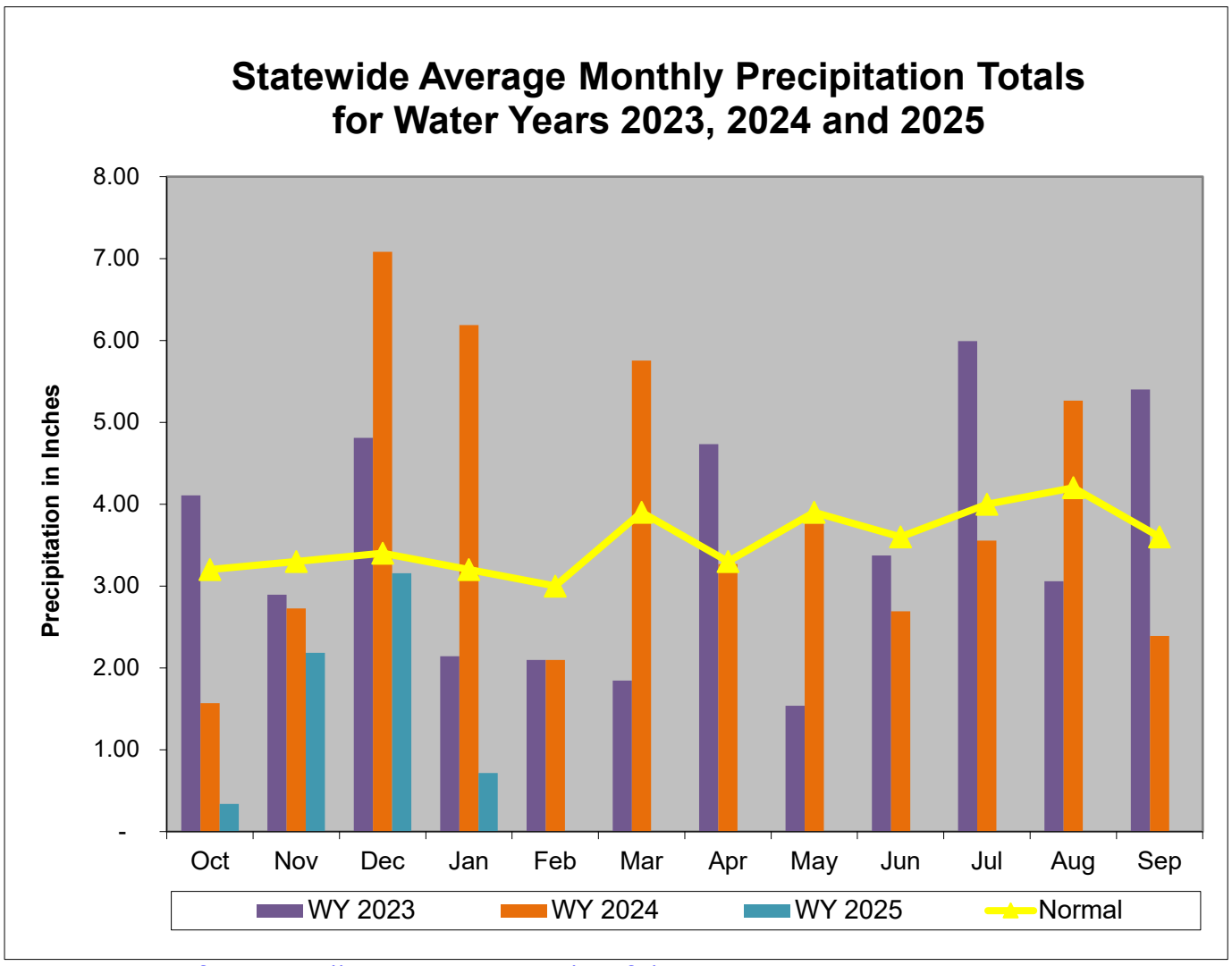
Overall Hydrologic Status for Maryland

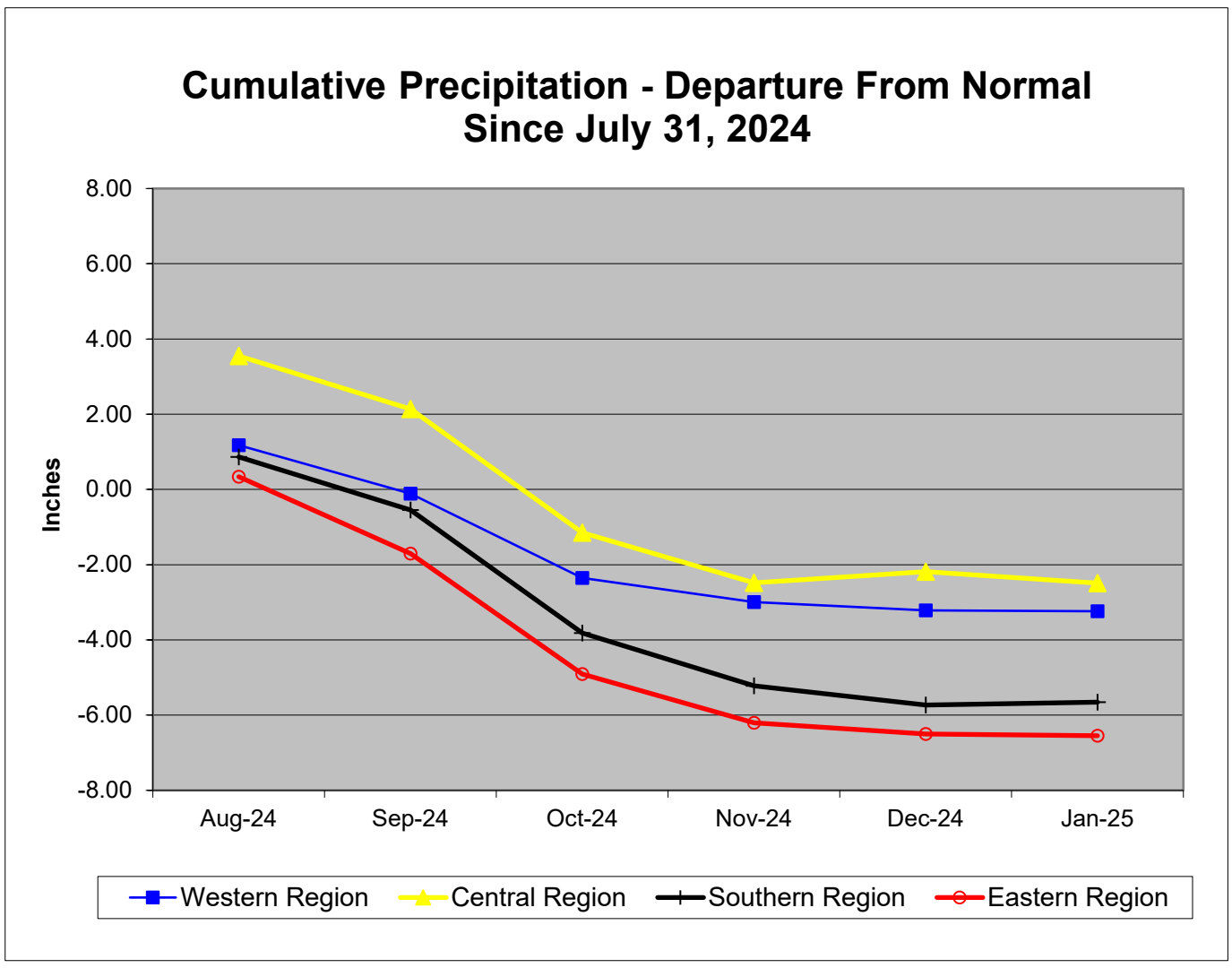
Summary of Hydrologic Indicators for 8 January 2025					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Watch	Normal	Watch	Normal	Watch
Central	Warning	Watch	Watch	Normal	Watch
Eastern	Emergency	Emergency	Emergency		Warning
Southern	Emergency		Watch		Warning

Notes: 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 January 8, 2025						
	Since Sept 30, 2024		Since July 31, 2024		Since January 31, 2024	
Regions	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**
Western	70%	Watch	82%	Normal	88%	Normal
Central	59%	Warning	87%	Normal	88%	Normal
Eastern	55%	Emergency	65%	Warning	87%	Normal
Southern	54%	Emergency	69%	Warning	77%	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 08 January 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 January 31, 2024)				3 Months (Since October 31, 2024)				6 Months (Since July 31, 2024)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	9.5	5.6	-3.9	59%	37.3	32.9	-4.4	88%	6.7	4.6	-2.1	69%	16.2	14.7	-1.5	91%
	GARRETT	10.9	10.5	-0.4	97%	43.9	41.8	-2.1	95%	7.9	9.2	1.4	117%	18.2	17.2	-1.1	94%
	WASHINGTON	10.8	5.7	-5.1	53%	40.1	32.5	-7.6	81%	7.6	5.6	-2.0	74%	18.9	11.8	-7.2	62%
	Regional Average	10.4	7.3	-3.1	70%	40.4	35.7	-4.7	88%	7.4	6.5	-0.9	88%	17.8	14.5	-3.2	82%
CENTRAL REGION	BALTIMORE COUNTY	12.0	7.0	-5.0	58%	42.9	37.7	-5.2	88%	8.0	6.5	-1.6	80%	19.7	17.3	-2.4	88%
	CARROLL	11.2	6.8	-4.4	60%	41.2	37.6	-3.6	91%	7.6	6.2	-1.4	81%	18.9	17.7	-1.2	94%
	CECIL	11.5	6.7	-4.8	58%	42.4	37.3	-5.1	88%	7.9	6.7	-1.3	84%	19.5	12.8	-6.8	65%
	FREDERICK	10.8	6.2	-4.6	57%	40.2	36.6	-3.6	91%	7.3	5.7	-1.6	78%	18.1	16.6	-1.4	92%
	HARFORD	11.8	7.0	-4.9	59%	43.3	36.1	-7.3	83%	7.9	6.7	-1.3	84%	19.9	14.9	-5.1	75%
	HOWARD	11.5	7.1	-4.4	61%	42.0	37.8	-4.2	90%	7.8	6.7	-1.1	86%	18.9	18.8	-0.1	99%
	MONTGOMERY	10.8	6.5	-4.3	60%	40.5	35.2	-5.4	87%	7.3	6.2	-1.2	84%	18.2	17.8	-0.5	97%
	Regional Average	11.4	6.7	-4.6	59%	41.8	36.9	-4.9	88%	7.7	6.4	-1.3	83%	19.0	16.5	-2.5	87%
SOUTHERN REGION	ANNE ARUNDEL	11.0	6.4	-4.6	58%	40.5	33.2	-7.3	82%	7.5	6.0	-1.5	81%	18.3	15.1	-3.2	82%
	CALVERT	11.2	5.7	-5.5	51%	41.7	30.3	-11.4	73%	7.6	5.5	-2.1	72%	18.8	11.9	-6.9	64%
	CHARLES	10.8	5.6	-5.3	51%	40.2	30.1	-10.2	75%	7.3	5.3	-2.0	72%	18.3	11.6	-6.7	63%
	PRINCE GEORGES	11.1	6.2	-4.8	56%	40.3	31.3	-9.0	78%	7.5	5.8	-1.6	78%	18.3	14.5	-3.8	79%
	ST MARYS	11.1	5.7	-5.4	52%	41.4	32.3	-9.1	78%	7.5	5.5	-2.0	74%	18.9	11.2	-7.7	59%
	Regional Average	11.0	5.9	-5.1	54%	40.8	31.4	-9.4	77%	7.5	5.6	-1.8	75%	18.5	12.9	-5.7	69%
EASTERN REGION	CAROLINE	11.0	6.3	-4.6	58%	40.9	35.8	-5.2	87%	7.5	6.3	-1.3	83%	18.8	11.9	-6.9	63%
	DORCHESTER	11.0	6.1	-4.9	55%	41.5	34.0	-7.5	82%	7.6	6.0	-1.6	79%	18.6	11.4	-7.2	61%
	KENT	11.0	6.4	-4.6	58%	41.1	33.8	-7.3	82%	7.5	6.1	-1.4	82%	18.7	11.5	-7.2	61%
	QUEEN ANNES	11.0	6.3	-4.7	58%	40.9	34.4	-6.5	84%	7.6	6.1	-1.5	81%	18.6	11.9	-6.7	64%
	SOMERSET	10.5	5.7	-4.8	54%	40.7	38.3	-2.5	94%	7.3	5.7	-1.6	78%	18.6	11.6	-7.0	62%
	TALBOT	11.1	6.2	-4.9	56%	41.5	35.6	-5.9	86%	7.6	6.1	-1.5	80%	18.8	12.6	-6.3	67%
	WICOMICO	10.0	5.5	-4.5	55%	39.1	37.6	-1.5	96%	6.9	4.9	-2.0	71%	17.0	14.6	-2.4	86%
	WORCESTER	11.2	5.5	-5.7	49%	41.7	34.6	-7.1	83%	7.8	5.5	-2.3	70%	19.5	10.9	-8.6	56%
	Regional Average	10.8	6.0	-4.8	55%	40.9	35.5	-5.4	87%	7.5	5.8	-1.6	78%	18.6	12.0	-6.5	65%
INDEPENDENT CITY OF BALTIMORE		12.0	7.0	-5.0	58%	42.9	37.7	-5.2	88%	8.0	6.5	-1.6	80%	19.7	17.3	-2.4	88%
Statewide Average		11.0	6.4	-4.6	58%	41.2	35.2	-6.0	85%	7.6	6.1	-1.5	80%	18.6	14.0	-4.6	75%

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

Stream Flow Status Based on Thirty Day Average for 2025 January 08

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)	[1]	439.1	55%-60%	Normal
Western	Savage River (near Barton)	[1]	57.6	30%-35%	Normal
Western	Wills Creek (near Cumberland)	[1]	322	40%45%	Normal
Western	Marsh Run (at Grimes)	[1]	5.6	20%-25%	Watch
Central	Catoctin Creek (near Middletown)	[1]	31.0	20%-25%	Watch
Central	Monocacy (Jug Bridge near Frederick)	[1]	653	25%-30%	Normal
Central	Patuxent (near Unity)	[1]	25.2	25%-30%	Normal
Central	Deer Cr (at Rocks)	[1]	69.0	10%-15%	Watch
Eastern	Choptank (near Greensboro)		22.6	0%-5%	Emergency
Eastern	Nassawango Creek (near Snow Hill)		2.0	0%-5%	Emergency
	Susquehanna (at Marietta)		42,860	55%-60%	Normal
	Potomac (at Little Falls)(Adjusted)		6,026	20%-25%	Watch

Notes:

[1] Some data missing due to ice

Ground Water Status for 08 January 2025				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	13.3 [3]	Normal	Watch
	AL Ah 1	4.35 [2]	Normal	
	WA Be 2	35.29 [2]	Watch	
	WA Bk 25	49.64 [3]	Warning	
	WA Ci 82	52.5 [2]	Watch	
Central	BA Dc 444	42.85 [3]	Watch	Watch
	BA Ea 18	24.97 [2]	Watch	
	CL Ad 47	2.86 [3]	Watch	
	Fr Bd 96	17.56 [2]	Normal	
	Fr Df 35	58.6 [2]	Normal	
	HA Bd 31	16.46 [2]	Warning	
	HA Ca 23	8.98 [2]	Emergency	
	MO Cc 14	39.1 [2]	Watch	
Eastern	QA Cg 69	5.52 [2]	Emergency	Emergency
	WI Cg 20	8.57 [2]	Emergency	
	MC51-01	15.73 [3]	Emergency	
	SO Cf 2	6.47 [3]	Emergency	
Southern	CH Bg 12 (unconfined)	7.61 [3]	Emergency	***Watch***
	CA Fd 54 (confined)	242.87 [3]	On Trend[4]	

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2025-01-09
[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.

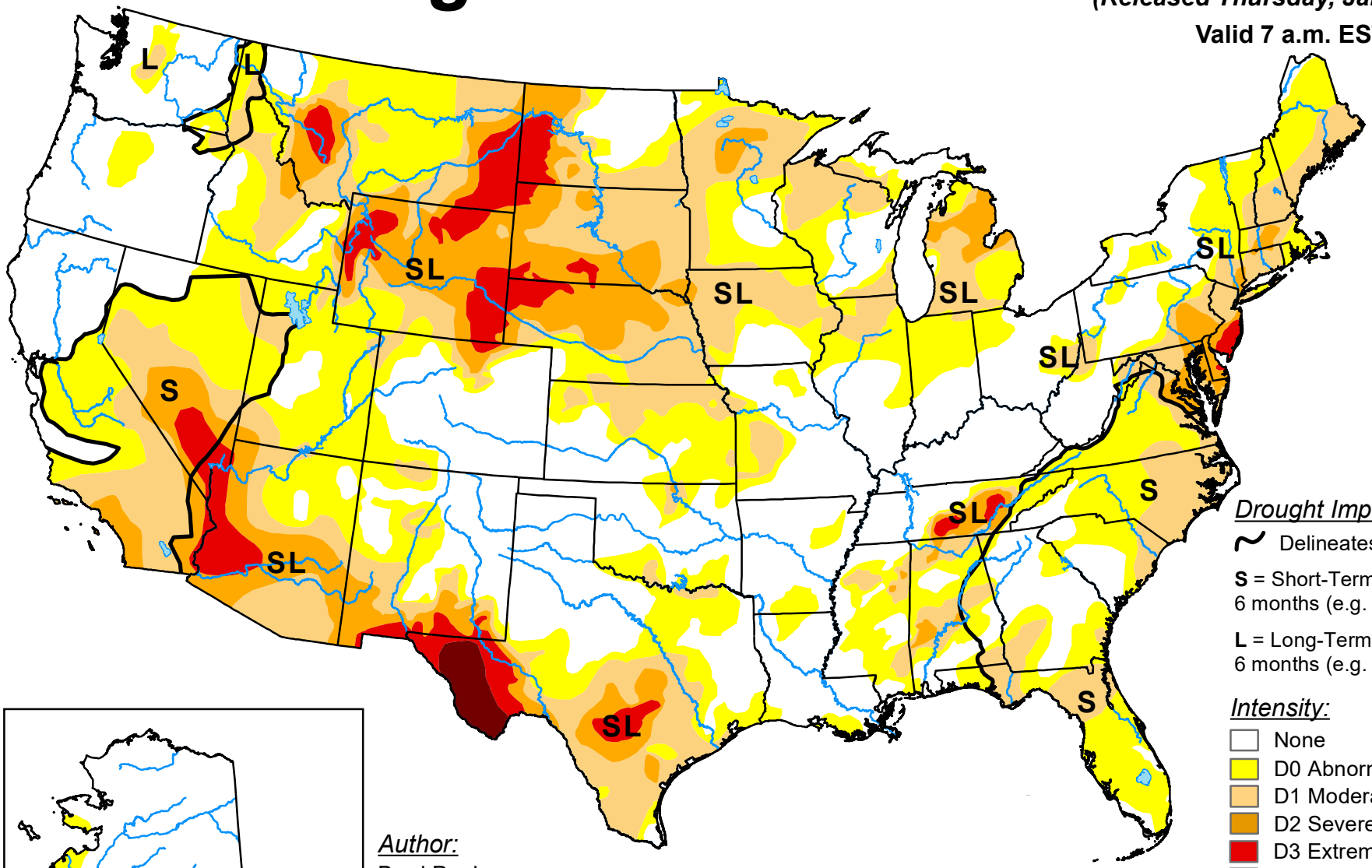
Selected ground water levels are available from USGS at:
http://md.water.usgs.gov/groundwater/
Data for other wells may be downloaded from:
USGS - NWIS Web Information for USA

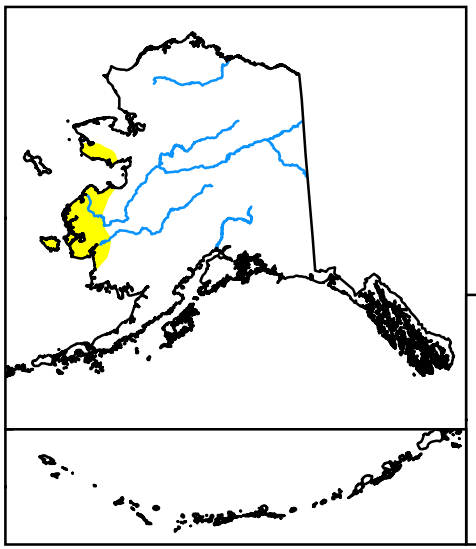
U.S. Drought Monitor

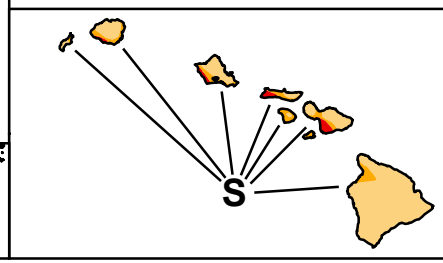
January 7, 2025

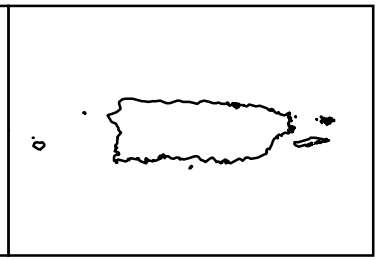
(Released Thursday, Jan. 9, 2025)

Valid 7 a.m. EST









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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

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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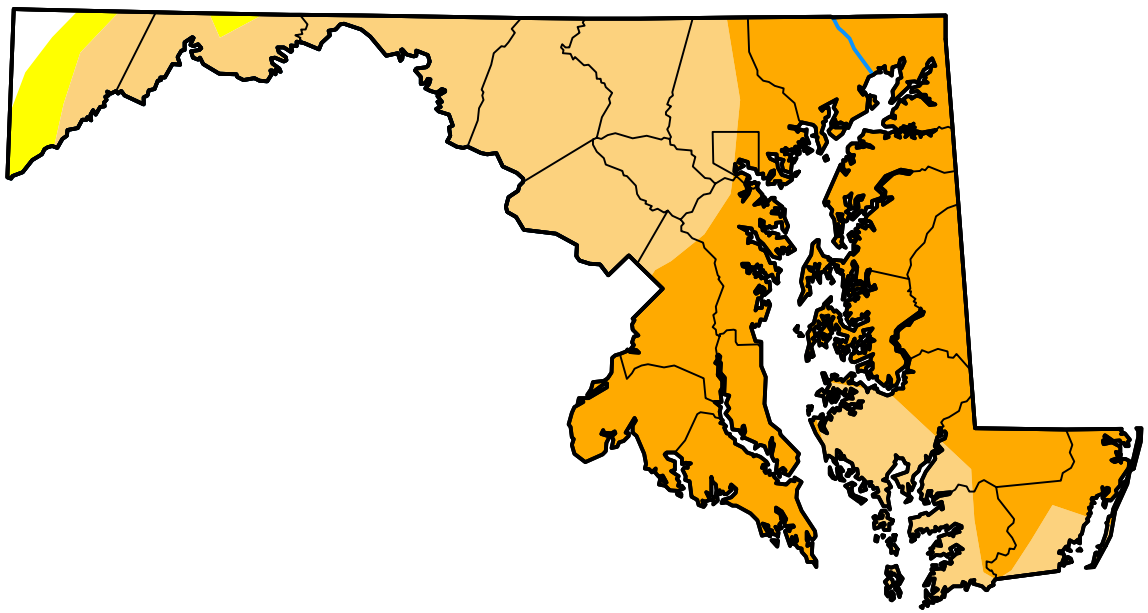
U.S. Drought Monitor

Maryland



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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	1.19	98.81	95.30	51.57	0.00	0.00
Last Week *12-31-2024*	1.19	98.81	95.30	51.57	0.00	0.00
3 Months Ago *10-08-2024*	16.18	83.82	23.82	8.47	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 *01-09-2024*	82.00	18.00	0.00	0.00	0.00	0.00

Intensity:

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