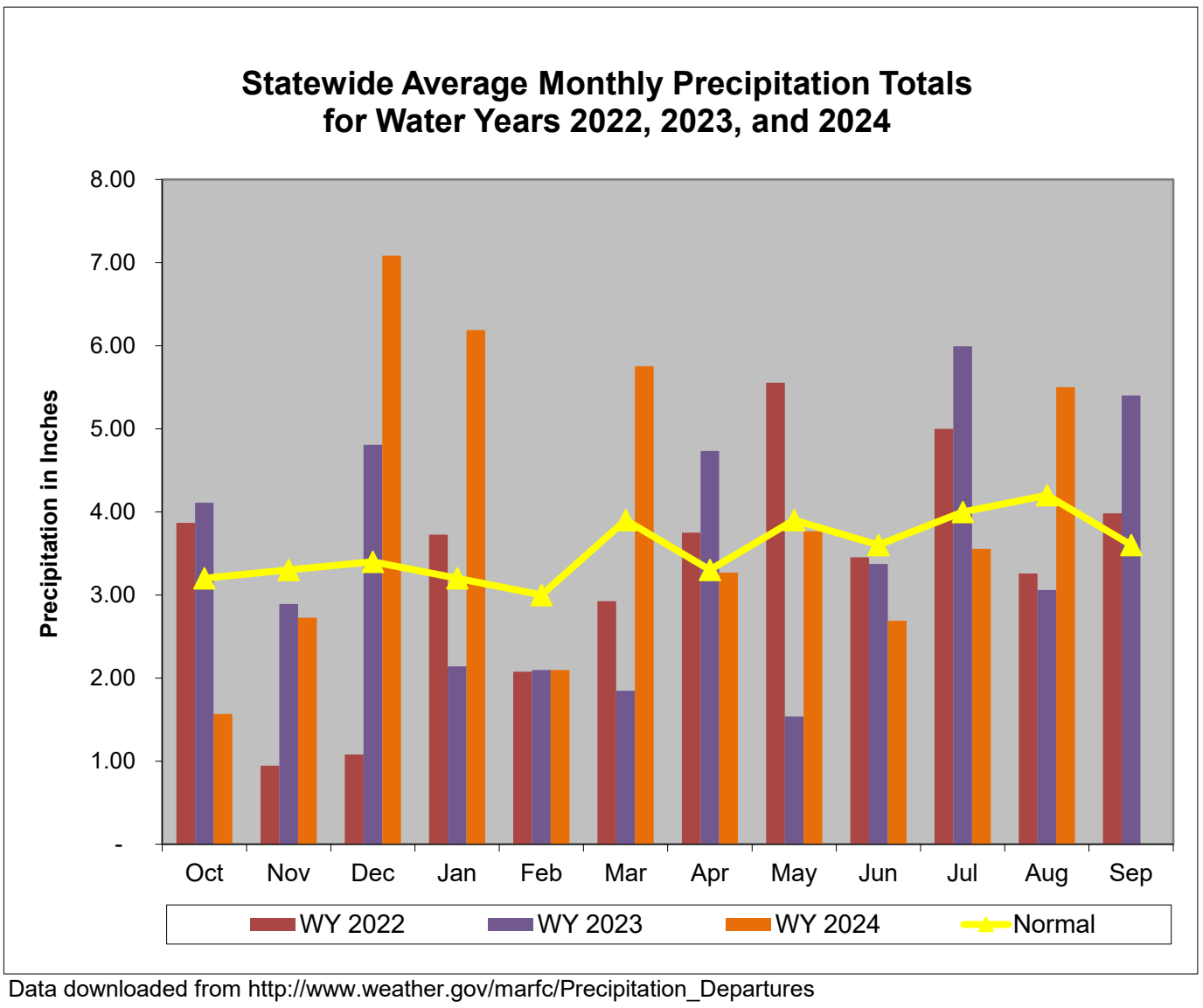
Overall Hydrologic Status for Maryland

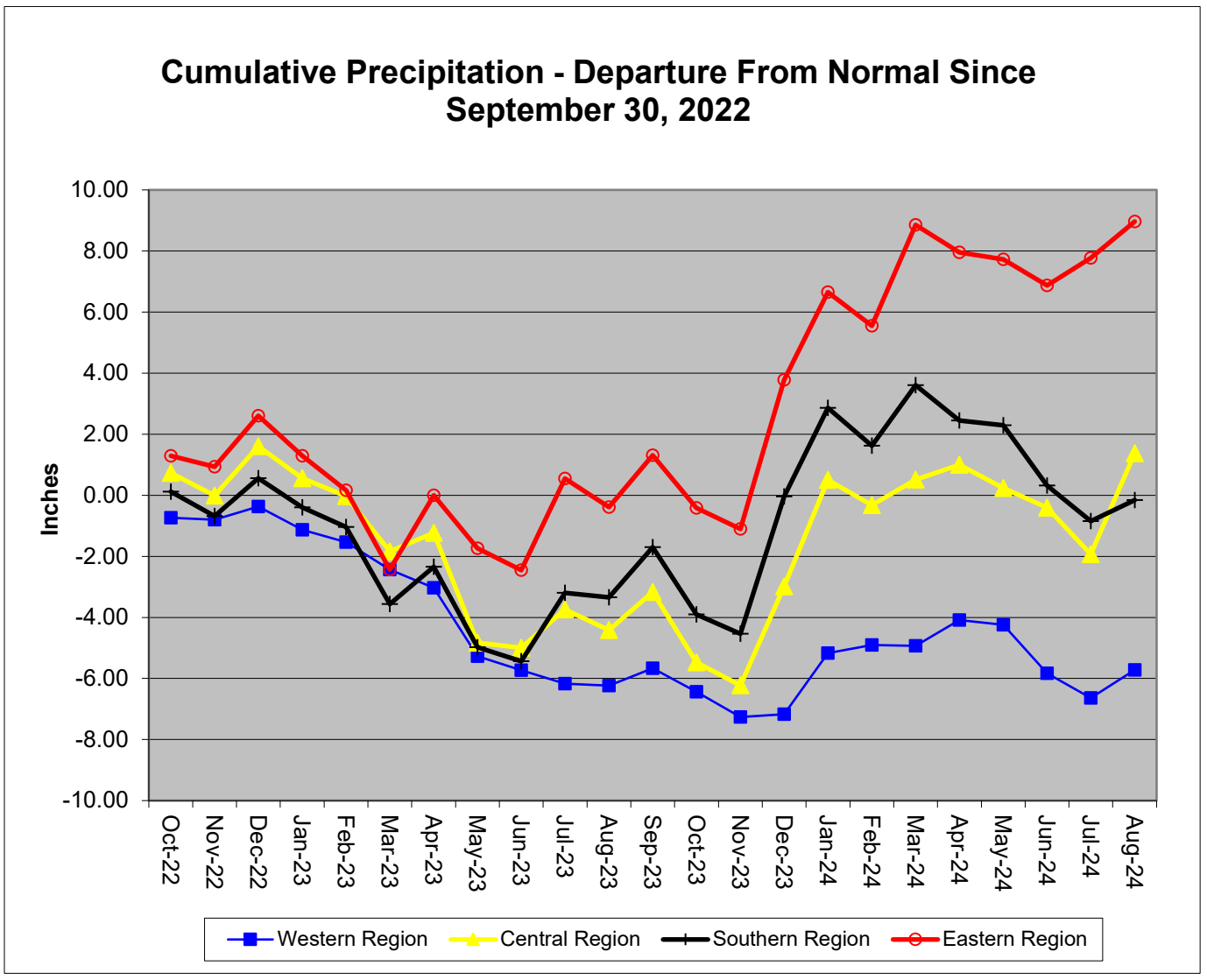
Summary of Hydrologic Indicators for 15 August 2024					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Normal	Normal	Watch	Normal	Watch
Central	Normal	Normal	Watch	Normal	Watch
Eastern	Normal	Normal	Normal		Normal
Southern	Normal		Watch		Normal

Notes: WSSC has declared a drought Watch: https://www.mwcog.org/newsroom/2024/07/29/council-of-governments-declares-regional-drought-watch/

Precipitation Indicators for Maryland Drought Regions August 15, 2024						
	Since Sept 30, 2023		Since Feb 29, 2024		Since August 30, 2023	
Regions	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**
Western	100%	Normal	97%	Normal	101%	Normal
Central	111%	Normal	107%	Normal	113%	Normal
Eastern	119%	Normal	115%	Normal	121%	Normal
Southern	104%	Normal	92%	Normal	107%	Normal
WY or Water Year begins on October 1.						



Data downloaded from http://www.weather.gov/marfc/Precipitation_Departures



Precipitation in Maryland Counties
as of 15 August 2024 (WY 2024)

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY[1] To Date (Since September 30, 2023)				11.5 Months (Since August 30, 2023)				2.5 Months (Since May 31, 2024)				5.5 Months (Since February 29, 2024)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	35.9	35.0	-0.9	98%	39.4	39.5	0.1	100%	10.6	8.0	-2.6	76%	21.8	20.4	-1.4	94%
	GARRETT	43.9	43.3	-0.6	99%	47.6	47.1	-0.5	99%	13.7	9.4	-4.3	69%	26.5	25.1	-1.4	95%
	WASHINGTON	37.4	38.7	1.3	103%	41.2	43.1	1.9	105%	12.0	14.4	2.5	120%	22.7	23.0	0.3	101%
	Regional Average	39.1	39.0	-0.1	100%	42.7	43.2	0.5	101%	12.1	10.6	-1.5	88%	23.7	22.8	-0.8	97%
CENTRAL REGION	BALTIMORE COUNTY	41.5	45.8	4.3	110%	45.9	51.9	6.0	113%	11.5	11.8	0.3	103%	23.8	24.8	1.0	104%
	CARROLL	39.5	44.2	4.7	112%	43.8	48.8	5.0	112%	11.3	14.2	2.9	126%	23.0	26.2	3.2	114%
	CECIL	40.9	51.6	10.7	126%	45.3	57.4	12.1	127%	12.2	15.4	3.2	126%	24.0	29.1	5.1	121%
	FREDERICK	38.5	42.1	3.7	110%	42.6	46.8	4.3	110%	10.9	12.4	1.6	115%	22.6	24.8	2.3	110%
	HARFORD	41.8	47.1	5.3	113%	46.2	52.7	6.5	114%	12.4	12.6	0.2	101%	24.4	25.2	0.8	103%
	HOWARD	40.7	42.8	2.1	105%	44.8	48.4	3.6	108%	11.5	11.6	0.1	101%	23.6	23.9	0.3	101%
	MONTGOMERY	38.9	39.9	1.0	103%	43.0	46.0	3.0	107%	11.3	11.0	-0.4	97%	22.9	22.1	-0.8	96%
	Regional Average	40.2	44.8	4.5	111%	44.5	50.3	5.8	113%	11.6	12.7	1.1	110%	23.5	25.2	1.7	107%
SOUTHERN REGION	ANNE ARUNDEL	39.2	42.7	3.5	109%	43.1	48.5	5.4	112%	11.3	10.1	-1.2	89%	22.9	22.3	-0.6	97%
	CALVERT	40.4	40.8	0.4	101%	44.3	47.2	2.9	107%	11.9	8.1	-3.8	68%	23.7	20.5	-3.2	87%
	CHARLES	38.8	40.0	1.2	103%	42.7	44.8	2.1	105%	11.6	8.2	-3.4	71%	22.7	20.6	-2.1	91%
	PRINCE GEORGES	39.0	39.5	0.5	101%	42.8	45.1	2.3	105%	11.4	9.3	-2.1	82%	22.7	20.7	-2.0	91%
	ST MARYS	40.0	42.1	2.1	105%	43.9	47.1	3.2	107%	11.8	10.0	-1.9	84%	23.4	22.4	-1.0	96%
	Regional Average	39.5	41.0	1.5	104%	43.3	46.5	3.2	107%	11.6	9.1	-2.5	79%	23.1	21.3	-1.8	92%
EASTERN REGION	CAROLINE	39.6	48.8	9.2	123%	43.4	55.3	11.9	127%	11.7	13.3	1.6	114%	23.3	27.1	3.8	116%
	DORCHESTER	86.7	92.9	6.2	107%	44.1	51.8	7.7	117%	12.3	13.1	0.7	106%	23.9	25.4	1.5	106%
	KENT	84.3	91.1	6.7	108%	43.8	52.3	8.4	119%	11.4	12.0	0.6	105%	23.1	25.0	1.8	108%
	QUEEN ANNES	85.0	92.9	7.9	109%	43.6	53.3	9.7	122%	11.5	13.0	1.5	113%	23.1	26.4	3.3	114%
	SOMERSET	83.7	94.0	10.4	112%	43.3	54.8	11.6	127%	12.1	14.8	2.7	122%	23.3	29.4	6.2	127%
	TALBOT	83.4	89.7	6.3	108%	44.1	50.7	6.6	115%	11.9	12.5	0.6	105%	23.6	25.9	2.3	110%
	WICOMICO	83.8	94.6	10.8	113%	42.7	56.4	13.7	132%	10.6	12.5	1.9	118%	22.2	28.8	6.6	130%
	WORCESTER	81.6	85.3	3.7	105%	44.2	49.4	5.2	112%	12.0	12.3	0.3	102%	23.2	25.0	1.8	108%
	Regional Average	78.5	86.2	7.6	110%	43.6	53.0	9.3	121%	11.7	12.9	1.2	111%	23.2	26.6	3.4	115%
INDEPENDENT CITY OF BALTIMORE		41.5	45.8	4.3	110%	45.9	51.9	6.0	113%	11.5	11.8	0.3	103%	23.8	24.8	1.0	104%
Statewide Average		52.7	57.1	4.4	108%	43.8	49.6	5.8	113%	11.7	11.7	0.1	101%	23.3	24.5	1.2	105%

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

Stream Flow Status Based on Thirty Day Average for 2024 August 15

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		28.5	10%-15%	Watch
Western	Savage River (near Barton)		6.8	30%-35%	Normal
Western	Wills Creek (near Cumberland)		58	40%-45%	Normal
Western	Marsh Run (at Grimes)		9.1	60%-65%	Normal
Central	Catoctin Creek (near Middletown)		23.7	60%-65%	Normal
Central	Monocacy (Jug Bridge near Frederick)		799	85%-90%	Normal
Central	Patuxent (near Unity)		28.8	75%-80%	Normal
Central	Deer Cr (at Rocks)		95.8	60%-65%	Normal
Eastern	Choptank (near Greensboro)		36.4	45%-50%	Normal
Eastern	Nassawango Creek (near Snow Hill)		7.913	35%-40%	Normal
	Susquehanna (at Marietta)		33,659	95%-100%	Normal
	Potomac (at Little Falls)(Adjusted)		5,482	65%-70%	Normal

Notes:

Ground Water Status for 15 August 2024				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	15.15 [3]	Normal	Watch
	AL Ah 1	5.53 [2]	Watch	
	WA Be 2	33.77 [2]	Normal	
	WA Bk 25	47.56 [3]	Watch	
	WA Ci 82	47.79 [2]	Normal	
Central	BA Dc 444	39.82 [3]	Normal	Watch
	BA Ea 18	21.8 [2]	Normal	
	CL Ad 47	2.66 [3]	Normal	
	Fr Bd 96	32.89 [2]	Watch	
	Fr Df 35	56.34 [2]	Normal	
	HA Bd 31	12.93 [2]	Watch	
	HA Ca 23	7.54 [2]	Watch	
	MO Cc 14	36.74 [2]	Watch	
Eastern	QA Cg 69	4.48 [2]	Normal	Normal
	WI Cg 20	7.13 [2]	Watch	
	MC51-01	13.28 [3]	Normal	
	SO Cf 2	5.35 [3]	Normal	
Southern	CH Bg 12 (unconfined)	8.1 [3]	Watch	***Watch***
	CA Fd 54 (confined)	243.09	On Trend[4]	

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2024-08-16
[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.

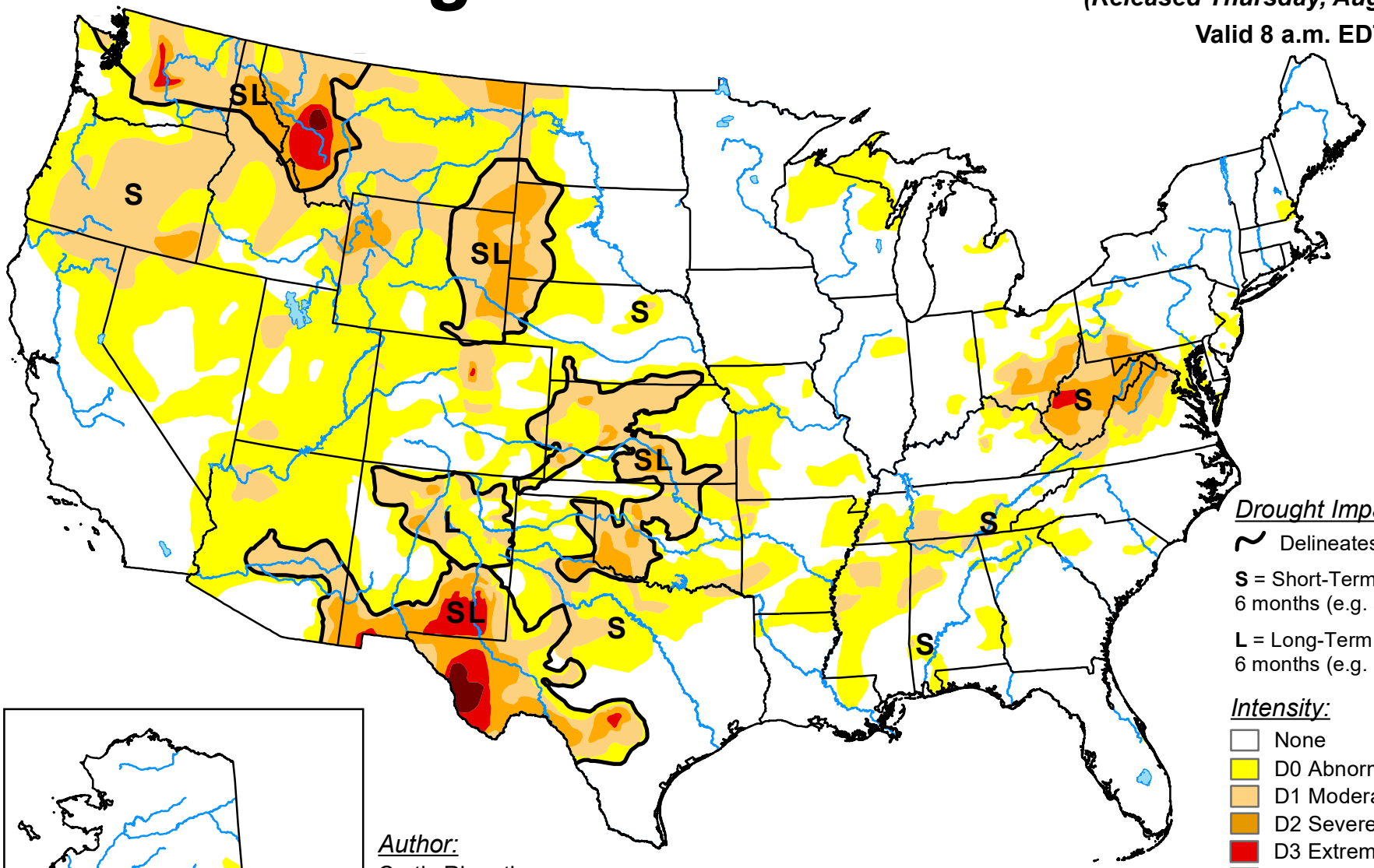
Selected ground water levels are available from USGS at:
http://md.water.usgs.gov/groundwater/
Data for other wells may be downloaded from:
USGS - NWIS Web Information for USA

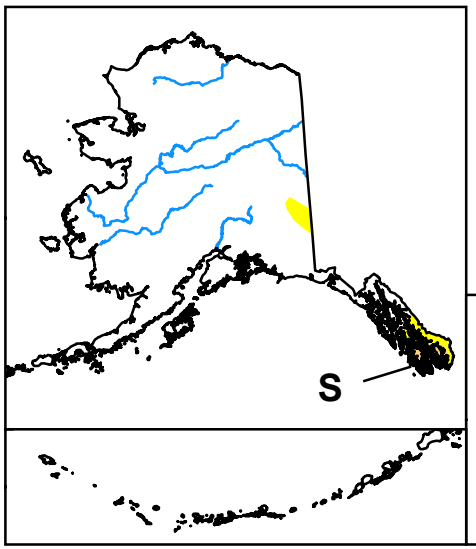
U.S. Drought Monitor

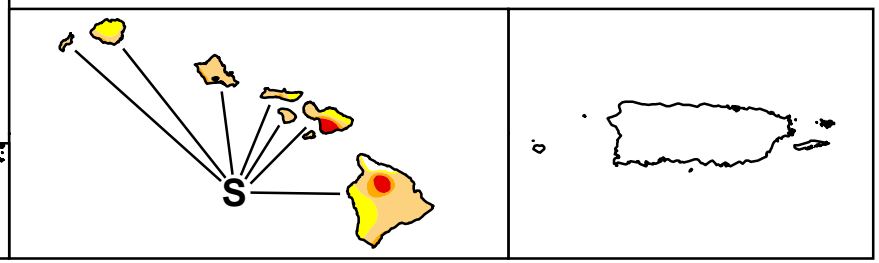
August 13, 2024

(Released Thursday, Aug. 15, 2024)

Valid 8 a.m. EDT







Author:
Curtis Riganti
National Drought Mitigation Center

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

USDA NDMC NOAA

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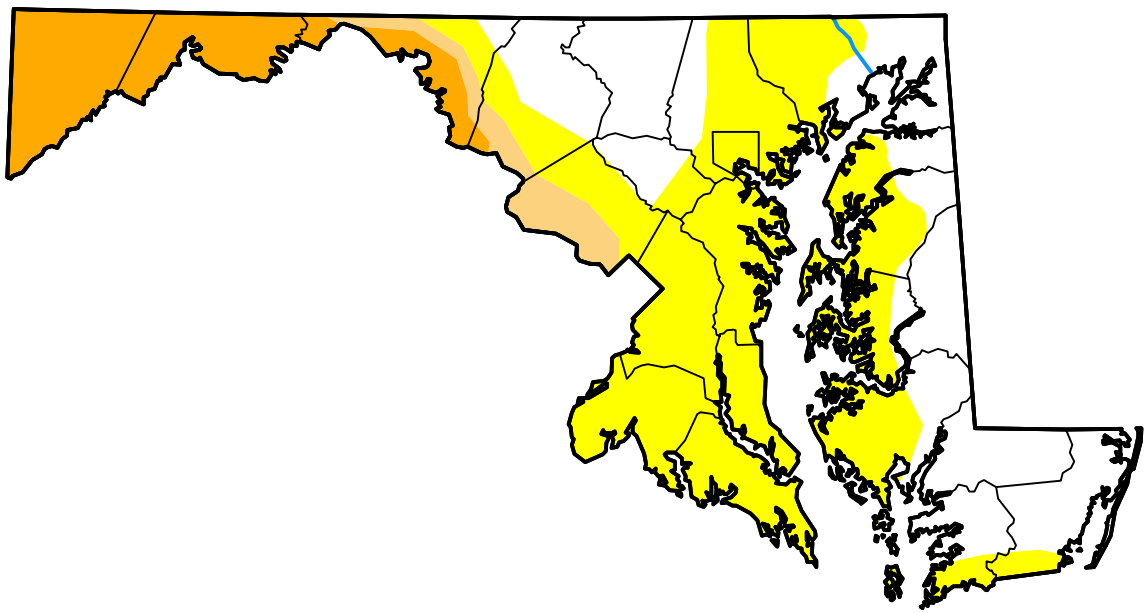
U.S. Drought Monitor

Maryland



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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	35.37	64.63	17.94	13.51	0.00	0.00
Last Week *08-06-2024*	33.59	66.41	40.01	23.44	8.52	0.00
3 Months Ago *05-14-2024*	83.95	16.05	0.00	0.00	0.00	0.00
Start of Calendar Year *01-02-2024*	70.35	29.65	0.00	0.00	0.00	0.00
Start of Water Year *09-26-2023*	63.11	36.89	3.30	0.47	0.00	0.00
One Year Ago *08-15-2023*	73.81	26.19	15.68	0.00	0.00	0.00

Intensity:

- None
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- D1 Moderate Drought
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