

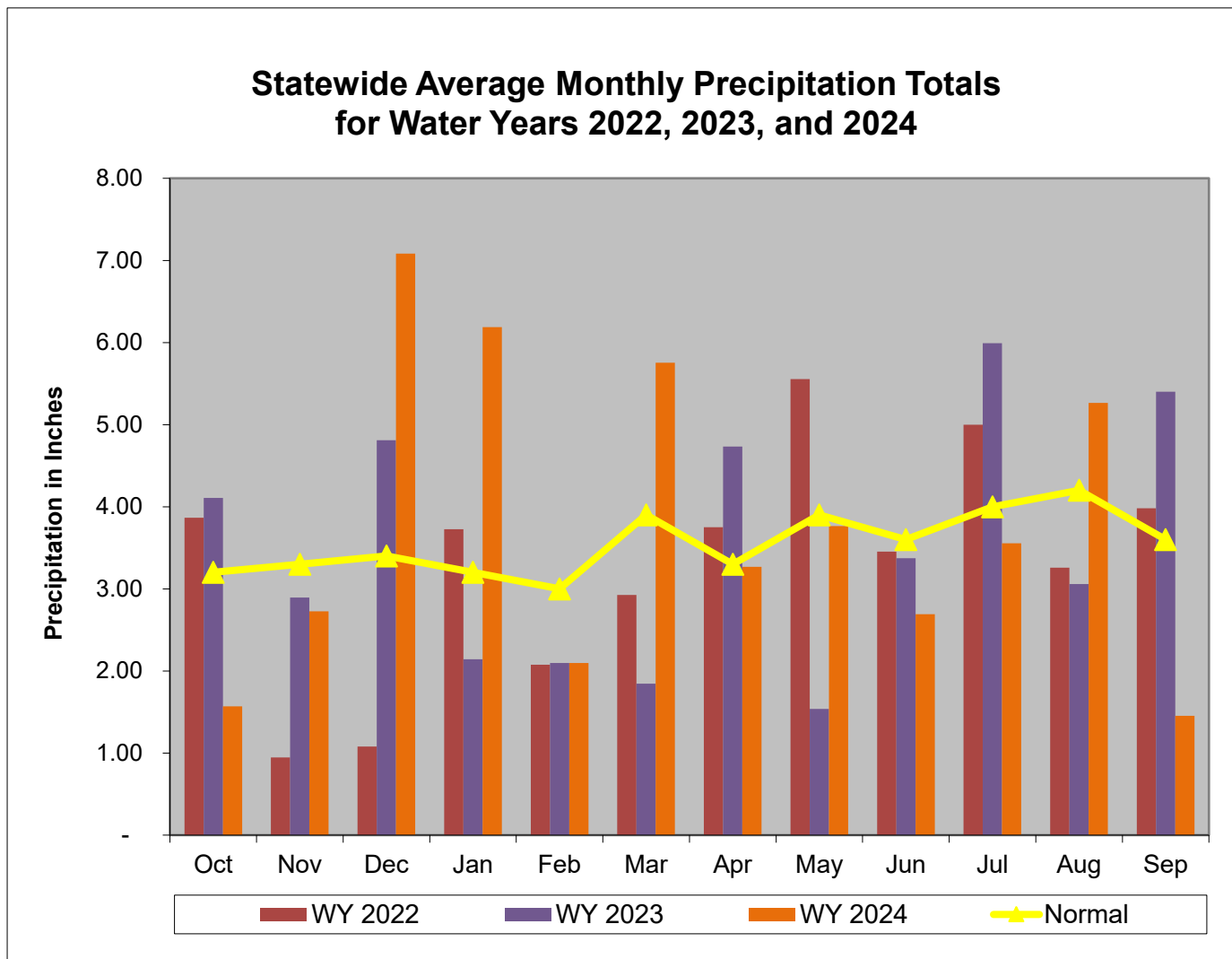
Overall Hydrologic Status for Maryland

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

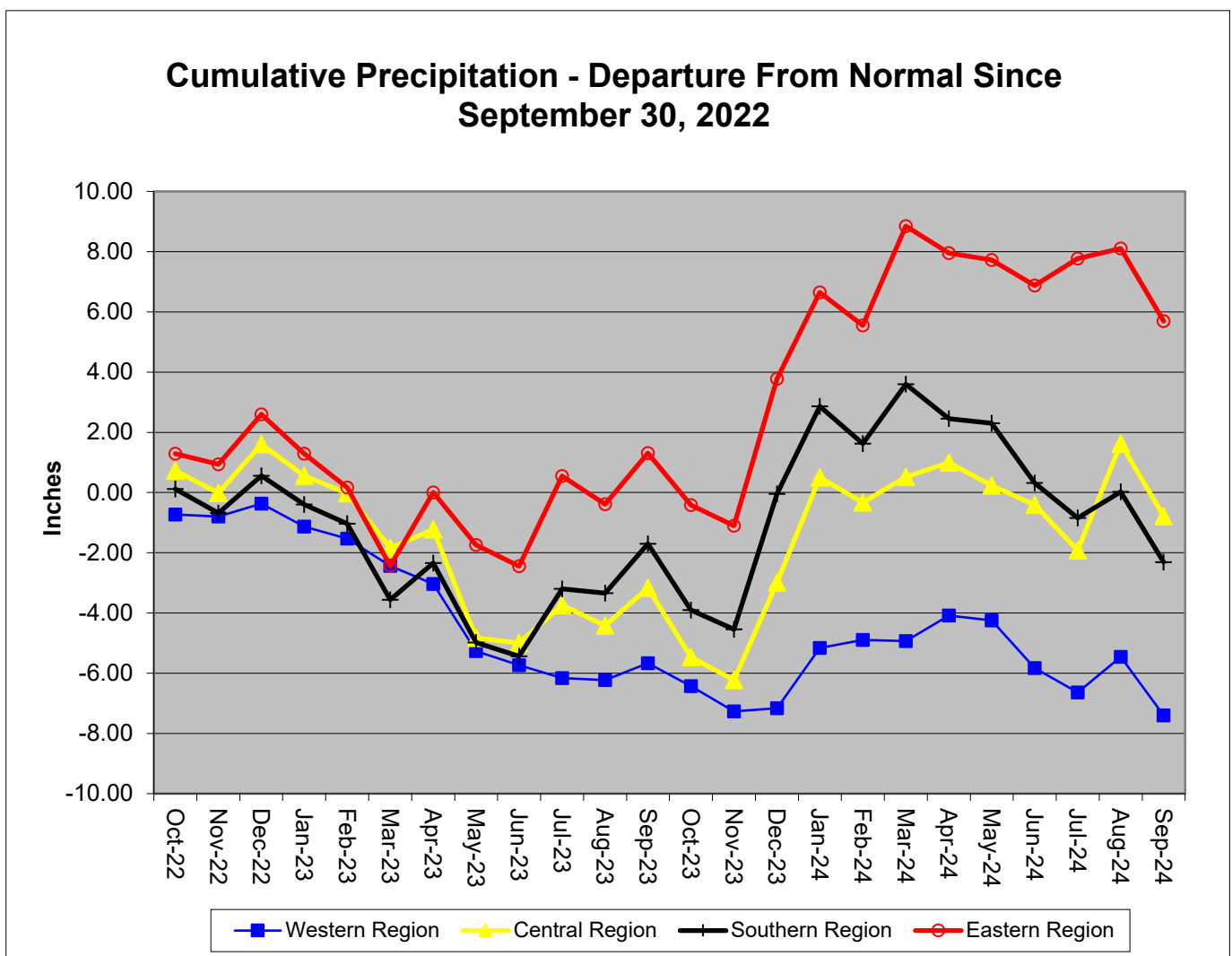
Notes: WSSC has declared a drought Watch: <https://www.mwcog.org/newsroom/2024/07/29/council-of-governments-declares-regional-drought-watch/>

Precipitation Indicators for Maryland Drought Regions						
September 15, 2024						
	Since Sept 30, 2023		Since March 31, 2024		Since Sept 30, 2023	
Regions	Percent of Normal	Condition	Percent of Normal	Condition	Percent of Normal	Condition
Western	96%	Normal	89%	Normal	96%	Normal
Central	105%	Normal	94%	Normal	105%	Normal
Eastern	110%	Normal	86%	Normal	110%	Normal
Southern	99%	Normal	74%	Watch	99%	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 Septemer 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 September 30, 2023)				2.5 Months (Since June 30, 2024)				5.5 Months (Since March 31, 2024)			
		COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart
WESTERN REGION	ALLEGANY	39.1	37.4	-1.7	96%	39.1	37.4	-1.7	96%	10.1	8.6	-1.5	85%	21.4	19.5	-1.9	91%
	GARRETT	47.0	44.5	-2.5	95%	47.0	44.5	-2.5	95%	12.3	7.8	-4.5	63%	25.5	22.2	-3.3	87%
	WASHINGTON	41.6	40.5	-1.1	97%	41.6	40.5	-1.1	97%	12.5	13.8	1.3	111%	23.4	21.1	-2.3	90%
	Regional Average	42.5	40.8	-1.7	96%	42.5	40.8	-1.7	96%	11.6	10.1	-1.6	86%	23.4	20.9	-2.5	89%
CENTRAL REGION	BALTIMORE COUNTY	45.0	48.4	3.4	108%	45.0	48.4	3.4	108%	11.3	11.5	0.1	101%	23.2	22.4	-0.8	97%
	CARROLL	43.1	44.4	1.3	103%	43.1	44.4	1.3	103%	11.2	12.0	0.7	107%	22.8	22.1	-0.8	97%
	CECIL	44.6	50.7	6.1	114%	44.6	50.7	6.1	114%	12.0	8.8	-3.2	74%	23.6	21.8	-1.8	92%
	FREDERICK	41.9	43.4	1.5	104%	41.9	43.4	1.5	104%	10.5	11.1	0.6	106%	22.3	22.0	-0.3	99%
	HARFORD	45.5	47.3	1.8	104%	45.5	47.3	1.8	104%	12.2	8.5	-3.7	70%	24.1	20.1	-4.0	83%
	HOWARD	44.1	46.2	2.2	105%	44.1	46.2	2.2	105%	11.0	12.6	1.6	115%	23.0	23.0	0.0	100%
	MONTGOMERY	42.4	42.8	0.5	101%	42.4	42.8	0.5	101%	10.9	12.0	1.1	110%	22.6	21.0	-1.5	93%
	Regional Average	43.8	46.2	2.4	105%	43.8	46.2	2.4	105%	11.3	10.9	-0.4	97%	23.1	21.8	-1.3	94%
SOUTHERN REGION	ANNE ARUNDEL	42.6	44.3	1.7	104%	42.6	44.3	1.7	104%	11.0	10.1	-1.0	91%	22.4	18.4	-4.0	82%
	CALVERT	44.0	42.3	-1.7	96%	44.0	42.3	-1.7	96%	11.5	8.0	-3.5	70%	23.3	15.5	-7.8	66%
	CHARLES	42.4	41.5	-0.9	98%	42.4	41.5	-0.9	98%	11.3	8.2	-3.1	72%	22.5	16.5	-6.0	73%
	PRINCE GEORGES	42.4	40.6	-1.8	96%	42.4	40.6	-1.8	96%	11.0	9.1	-1.9	83%	22.4	16.8	-5.6	75%
	ST MARYS	43.8	43.5	-0.3	99%	43.8	43.5	-0.3	99%	11.9	8.3	-3.7	69%	23.1	17.0	-6.2	73%
	Regional Average	43.0	42.4	-0.6	99%	43.0	42.4	-0.6	99%	11.4	8.7	-2.6	77%	22.7	16.8	-5.9	74%
EASTERN REGION	CAROLINE	43.5	48.5	4.9	111%	43.5	48.5	4.9	111%	11.9	10.5	-1.4	88%	23.2	19.3	-4.0	83%
	DORCHESTER	90.4	93.1	2.7	103%	44.2	46.9	2.7	106%	12.0	11.3	-0.8	94%	23.5	18.4	-5.1	78%
	KENT	87.9	91.6	3.7	104%	43.1	46.8	3.7	109%	11.3	8.7	-2.6	77%	22.7	19.2	-3.5	85%
	QUEEN ANNES	88.6	92.2	3.7	104%	43.1	46.7	3.7	109%	11.4	9.5	-1.9	83%	22.7	19.2	-3.4	85%
	SOMERSET	87.7	95.3	7.6	109%	43.5	51.1	7.6	117%	12.7	12.4	-0.3	98%	23.1	21.7	-1.4	94%
	TALBOT	87.2	90.0	2.8	103%	44.1	46.9	2.8	106%	11.9	10.0	-1.9	84%	23.4	19.3	-4.1	82%
	WICOMICO	87.2	95.2	8.0	109%	42.3	50.3	8.0	119%	10.2	11.2	1.1	111%	21.4	21.5	0.1	101%
	WORCESTER	85.9	87.5	1.7	102%	44.6	46.2	1.7	104%	12.8	11.2	-1.6	87%	23.2	19.3	-3.9	83%
Regional Average	82.3	86.7	4.4	105%	43.5	47.9	4.4	110%	11.8	10.6	-1.2	90%	22.9	19.7	-3.2	86%	
INDEPENDENT CITY OF BALTIMORE		45.0	48.4	3.4	108%	45.0	48.4	3.4	108%	11.3	11.5	0.1	101%	23.2	22.4	-0.8	97%
Statewide Average		56.4	58.3	2.0	103%	43.4	45.4	2.0	105%	11.5	10.3	-1.2	89%	23.0	20.0	-3.0	87%

WY¹ - USGS Water Year, which begins October 1

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

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		16.7	15%-20%	Watch
Western	Savage River (near Barton)		2.1	0%-5%	Emergency
Western	Wills Creek (near Cumberland)		50	50%-55%	Normal
Western	Marsh Run (at Grimes)		7.6	70%-75%	Normal
Central	Catoctin Creek (near Middletown)		9.6	30%-35%	Normal
Central	Monocacy (Jug Bridge near Frederick)		243	45%-50%	Normal
Central	Patuxent (near Unity)		15.0	45%-50%	Normal
Central	Deer Cr (at Rocks)		52.6	25%-30%	Normal
Eastern	Choptank (near Greensboro)		11.3	10%-15%	Watch
Eastern	Nassawango Creek (near Snow Hill)		3.9	20%-25%	Watch
	Susquehanna (at Marietta)		23,413	85%-90%	Normal
	Potomac (at Little Falls)(Adjusted)		3,557	50%-55%	Normal

Notes:

Ground Water Status for 15 September 2024				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	15.51 [3]	Normal	Watch
	AL Ah 1	4.98 [2]	Normal	
	WA Be 2	31.76 [2]	Normal	
	WA Bk 25	49.2 [3]	Warning	
	WA Ci 82	47.17 [2]	Normal	
Central	BA Dc 444	40.81 [3]	Watch	Normal
	BA Ea 18	22.38 [2]	Normal	
	CL Ad 47	3.83 [3]	Normal	
	Fr Bd 96	29.04 [2]	Normal	
	Fr Df 35	56.12 [2]	Normal	
	HA Bd 31	12.66 [2]	Normal	
	HA Ca 23	7.92 [2]	Watch	
	MO Cc 14	35.49 [2]	Normal	
Eastern	QA Cg 69	4.88 [2]	Normal	Normal
	WI Cg 20	7.64 [2]	Watch	
	MC51-01	13.84 [3]	Normal	
	SO Cf 2	5.99 [3]	Watch	
Southern	CH Bg 12 (unconfined)	8.55	Normal	Normal
	CA Fd 54 (confined)	243.42	On Trend[4]	
[1] - Measurement of water level as feet below land surface [2] - Not Available as of 2024-09-17 [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:

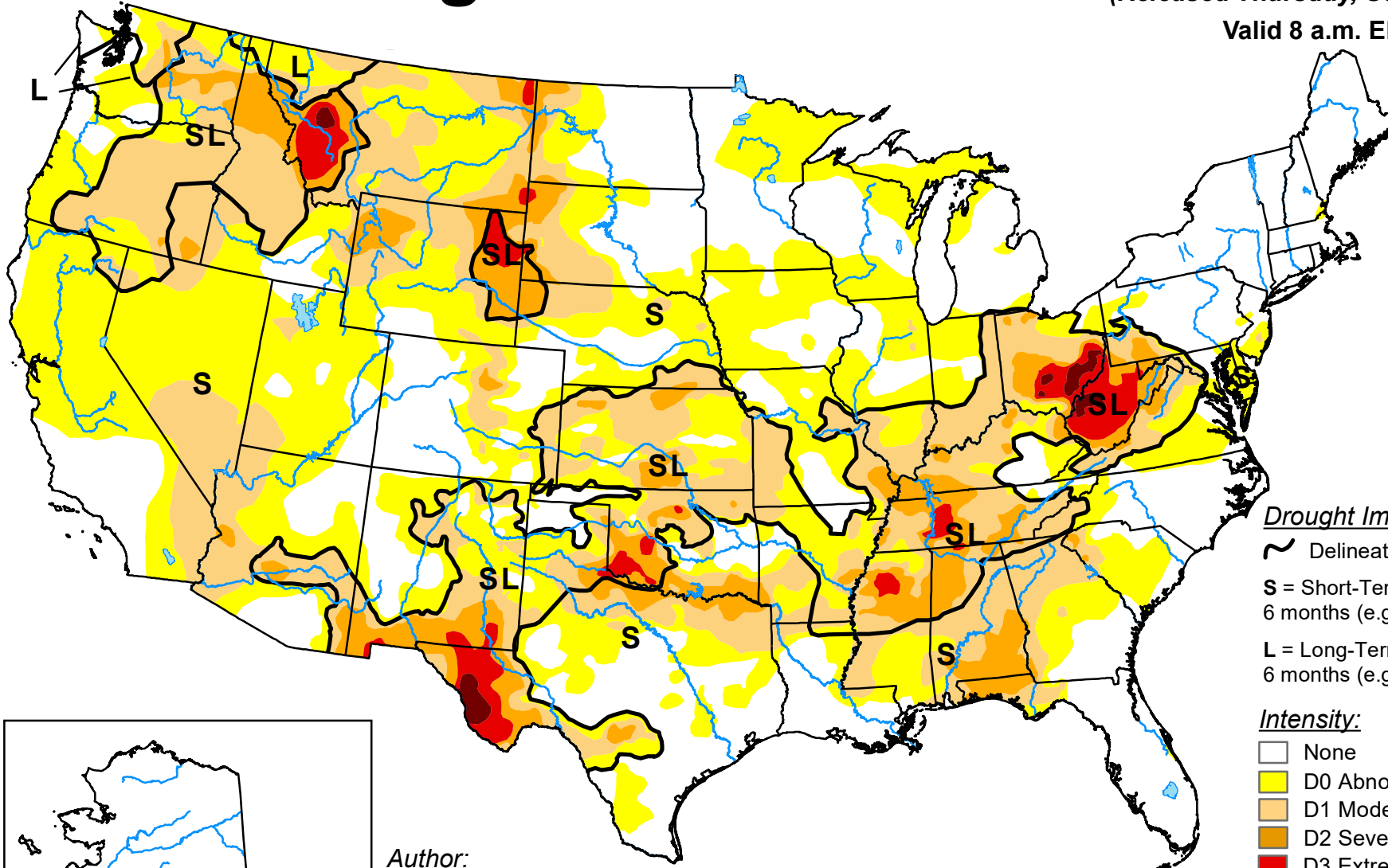
<http://md.water.usgs.gov/groundwater/>

Data for other wells may be downloaded from:

[USGS - NWIS Web Information for USA](https://www.usgs.gov/nwis)

U.S. Drought Monitor

September 10, 2024
(Released Thursday, Sep. 12, 2024)
Valid 8 a.m. EDT



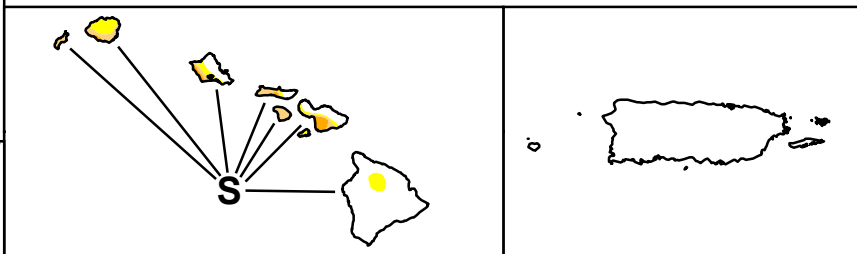
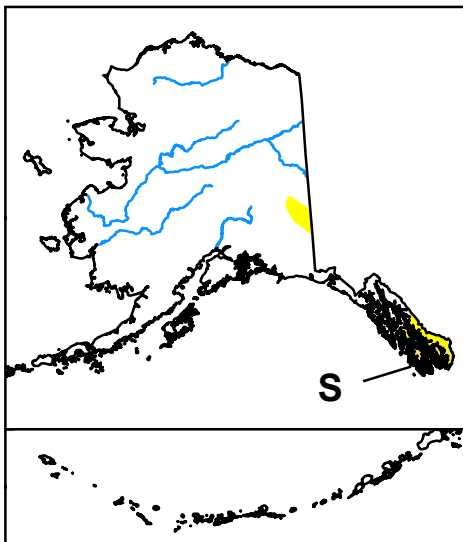
Drought Impact Types:

- 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>



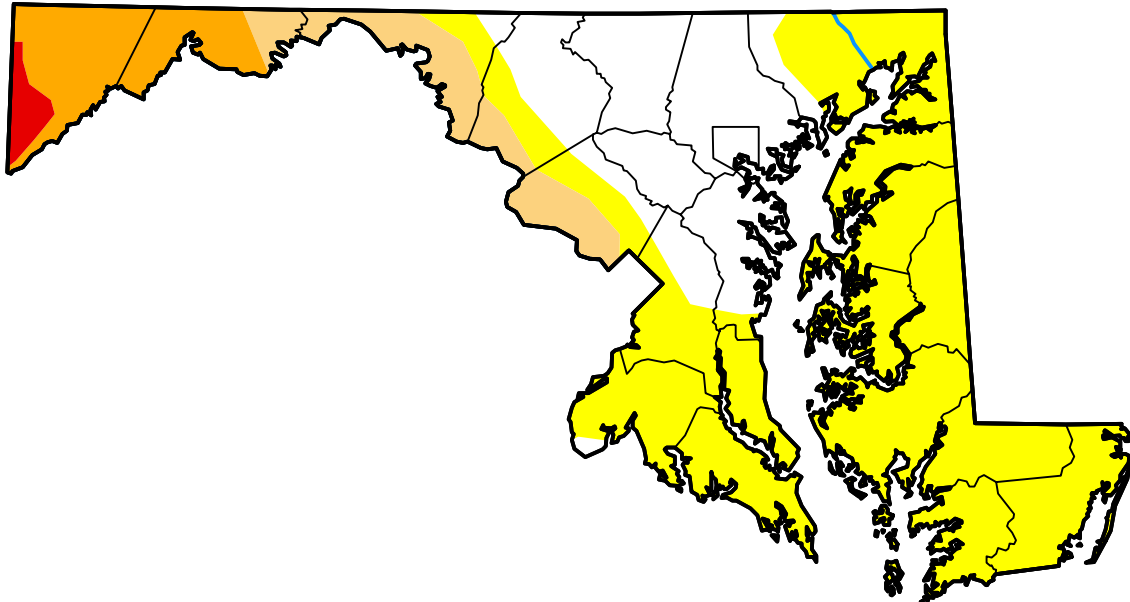
droughtmonitor.unl.edu

U.S. Drought Monitor Maryland

September 10, 2024
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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	26.99	73.01	17.94	10.08	1.34	0.00
Last Week <i>09-03-2024</i>	32.70	67.30	17.94	10.08	0.95	0.00
3 Months Ago <i>06-11-2024</i>	57.46	42.54	0.00	0.00	0.00	0.00
Start of Calendar Year <i>01-02-2024</i>	70.35	29.65	0.00	0.00	0.00	0.00
Start of Water Year <i>09-26-2023</i>	63.11	36.89	3.30	0.47	0.00	0.00
One Year Ago <i>09-12-2023</i>	72.46	27.54	16.49	0.50	0.00	0.00



Intensity:



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