

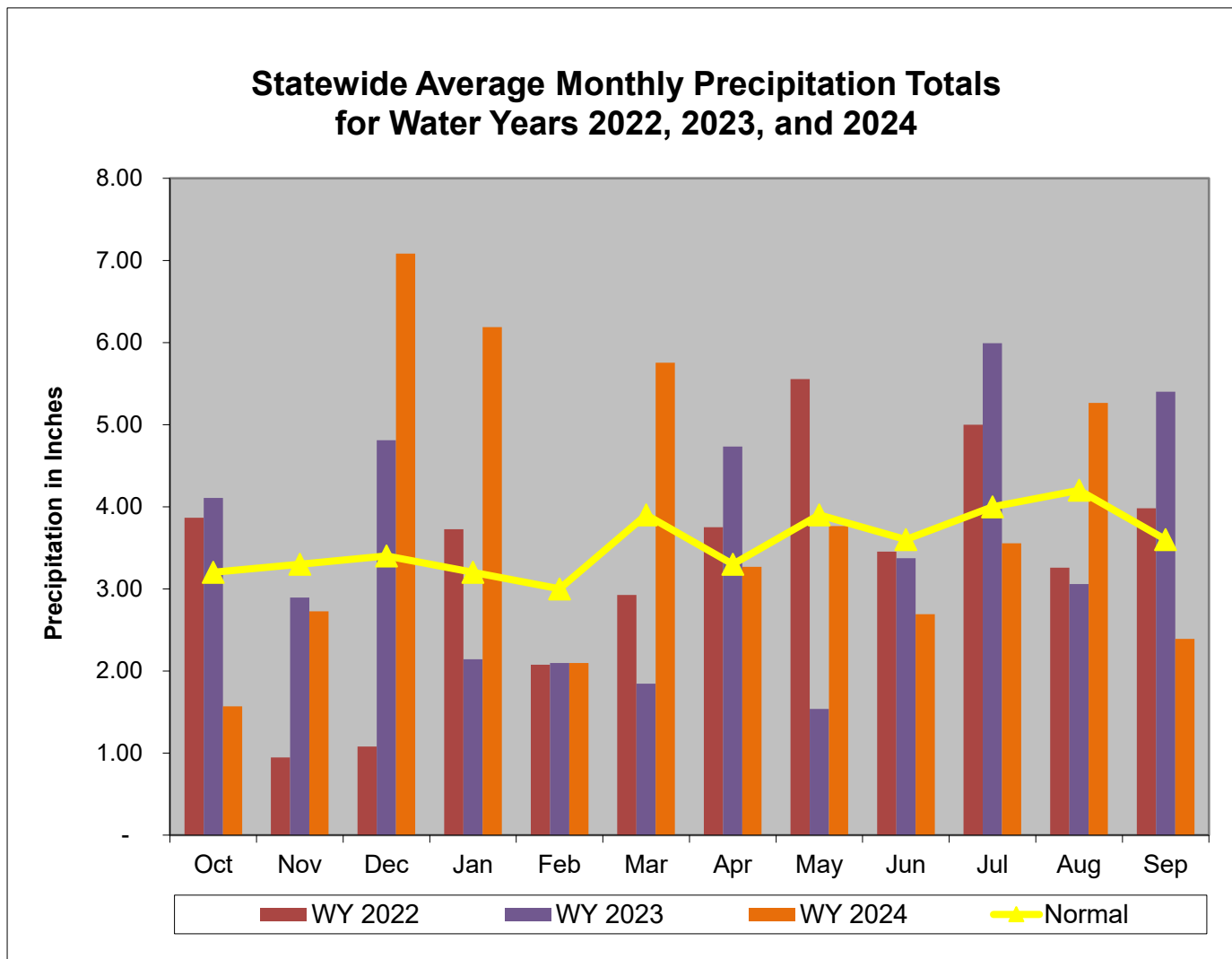
# Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for 30 September 2024					
	<b>Rainfall</b>	<b>Stream Flow</b>	<b>Groundwater</b>	<b>Reservoirs</b>	Overall Status
Western	Normal	Watch	Watch	Normal	Watch
Central	Normal	Normal	Normal	Normal	Normal
Eastern	Normal	Watch	Watch		Watch
Southern	Normal		Normal		Normal

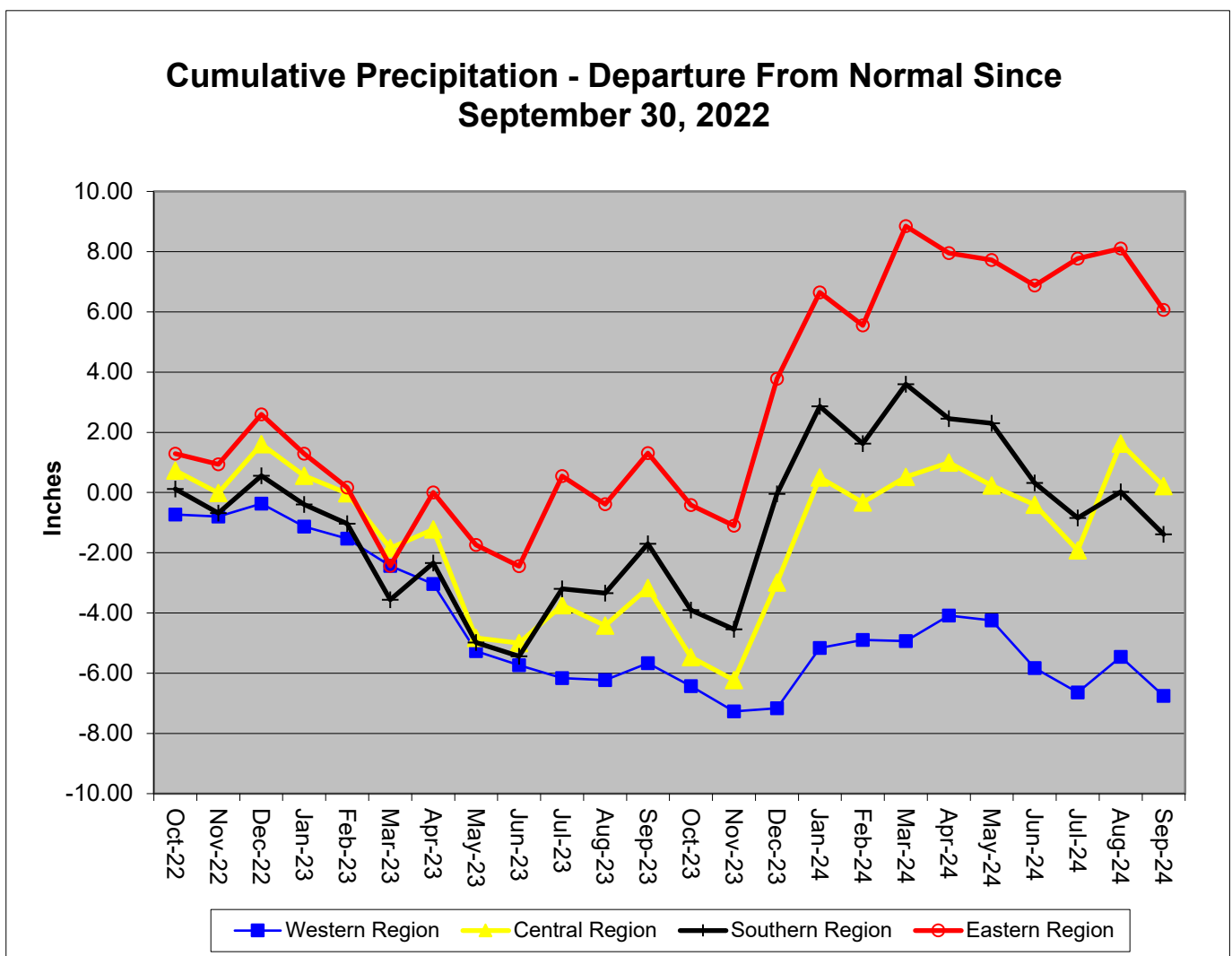
Notes: WSSC has declared a drought Watch: <https://www.mwcog.org/newsroom/2024/07/29/council-of-governments-declares-regional-drought-watch/>

Precipitation Indicators for Maryland Drought Regions						
September 30, 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	97%	Normal	92%	Normal	97%	Normal
Central	108%	Normal	99%	Normal	108%	Normal
Eastern	111%	Normal	88%	Normal	111%	Normal
Southern	101%	Normal	78%	Watch	101%	Normal

WY or Water Year begins on October 1.



Data downloaded from [http://www.weather.gov/marfc/Precipitation\\_Departures](http://www.weather.gov/marfc/Precipitation_Departures)



**Precipitation in Maryland Counties  
as of 30 September 2024 (WY 2024)**

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY <sup>1</sup> To Date (Since September 30, 2023)				12 Months (Since September 30, 2023)				3 Months (Since June 30, 2024)				6 Months (Since March 31, 2024)			
		COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart
WESTERN REGION	ALLEGANY	39.3	39.0	-0.3	99%	39.3	39.0	-0.3	99%	10.3	10.2	-0.1	99%	21.6	21.1	-0.5	98%
	GARRETT	47.0	45.7	-1.4	97%	47.0	45.7	-1.4	97%	12.4	9.0	-3.4	73%	25.5	23.4	-2.2	92%
	WASHINGTON	41.4	39.8	-1.6	96%	41.4	39.8	-1.6	96%	12.3	13.1	0.8	106%	23.2	20.4	-2.8	88%
	Regional Average	42.6	41.5	-1.1	97%	42.6	41.5	-1.1	97%	11.7	10.7	-0.9	92%	23.4	21.6	-1.8	92%
CENTRAL REGION	BALTIMORE COUNTY	45.6	49.5	4.0	109%	45.6	49.5	4.0	109%	11.9	12.6	0.7	106%	23.8	23.5	-0.2	99%
	CARROLL	43.6	46.5	2.9	107%	43.6	46.5	2.9	107%	11.7	14.1	2.4	121%	23.3	24.2	0.9	104%
	CECIL	45.0	51.1	6.1	114%	45.0	51.1	6.1	114%	12.4	9.3	-3.1	75%	24.0	22.2	-1.8	93%
	FREDERICK	42.4	45.2	2.8	107%	42.4	45.2	2.8	107%	11.0	12.8	1.9	117%	22.8	23.8	1.0	104%
	HARFORD	45.9	49.0	3.1	107%	45.9	49.0	3.1	107%	12.6	10.2	-2.4	81%	24.5	21.8	-2.7	89%
	HOWARD	44.5	47.6	3.1	107%	44.5	47.6	3.1	107%	11.4	13.9	2.5	122%	23.4	24.4	1.0	104%
	MONTGOMERY	42.8	44.6	1.8	104%	42.8	44.6	1.8	104%	11.3	13.7	2.4	121%	23.0	22.8	-0.2	99%
	Regional Average	44.3	47.6	3.4	108%	44.3	47.6	3.4	108%	11.8	12.4	0.6	105%	23.5	23.2	-0.3	99%
SOUTHERN REGION	ANNE ARUNDEL	42.9	45.6	2.7	106%	42.9	45.6	2.7	106%	11.3	11.3	-0.0	100%	22.7	19.7	-3.1	87%
	CALVERT	44.2	43.3	-0.9	98%	44.2	43.3	-0.9	98%	11.7	9.0	-2.7	77%	23.5	16.5	-7.0	70%
	CHARLES	42.6	42.1	-0.5	99%	42.6	42.1	-0.5	99%	11.5	8.8	-2.7	76%	22.7	17.1	-5.6	75%
	PRINCE GEORGES	42.6	42.3	-0.3	99%	42.6	42.3	-0.3	99%	11.2	10.8	-0.4	97%	22.6	18.5	-4.1	82%
	ST MARYS	43.9	44.5	0.6	101%	43.9	44.5	0.6	101%	12.0	9.3	-2.7	78%	23.2	18.0	-5.2	78%
	Regional Average	43.2	43.5	0.3	101%	43.2	43.5	0.3	101%	11.5	9.8	-1.7	85%	22.9	17.9	-5.0	78%
EASTERN REGION	CAROLINE	43.5	49.3	5.9	113%	43.5	49.3	5.9	113%	11.9	11.4	-0.5	96%	23.2	20.1	-3.1	87%
	DORCHESTER	90.3	93.7	3.4	104%	44.1	47.5	3.4	108%	11.9	11.8	-0.1	99%	23.4	19.0	-4.5	81%
	KENT	88.4	91.6	3.2	104%	43.6	46.8	3.2	107%	11.8	8.7	-3.1	74%	23.2	19.2	-4.0	83%
	QUEEN ANNES	88.9	92.8	3.9	104%	43.4	47.3	3.9	109%	11.7	10.0	-1.7	86%	23.0	19.8	-3.2	86%
	SOMERSET	87.6	95.2	7.6	109%	43.4	51.0	7.6	118%	12.5	12.3	-0.3	98%	23.0	21.6	-1.4	94%
	TALBOT	87.2	91.4	4.2	105%	44.1	48.3	4.2	110%	11.9	11.5	-0.5	96%	23.4	20.7	-2.7	89%
	WICOMICO	87.5	95.9	8.4	110%	42.6	51.0	8.4	120%	10.5	12.0	1.5	114%	21.7	22.2	0.5	102%
	WORCESTER	85.7	87.2	1.5	102%	44.4	45.9	1.5	103%	12.6	10.8	-1.8	86%	23.0	19.0	-4.0	83%
Regional Average	82.4	87.1	4.8	106%	43.6	48.4	4.8	111%	11.9	11.1	-0.8	93%	23.0	20.2	-2.8	88%	
INDEPENDENT CITY OF BALTIMORE		45.6	49.5	4.0	109%	45.6	49.5	4.0	109%	11.9	12.6	0.7	106%	23.8	23.5	-0.2	99%
<b>Statewide Average</b>		56.6	59.3	2.7	105%	43.7	46.3	2.7	106%	11.7	11.2	-0.5	95%	23.2	20.9	-2.3	90%

WY<sup>1</sup> - USGS Water Year, which begins October 1

### Stream Flow Status Based on Thirty Day Average for 2024 September 30

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		14.6	10%-15%	Watch
Western	Savage River (near Barton)		3.6	15%-20%	Watch
Western	Wills Creek (near Cumberland)		60	60%-65%	Normal
Western	Marsh Run (at Grimes)		6.5	60%-65%	Normal
Central	Catoctin Creek (near Middletown)		9.8	45%-50%	Normal
Central	Monocacy (Jug Bridge near Frederick)		222	50%-55%	Normal
Central	Patuxent (near Unity)		14.5	45%-50%	Normal
Central	Deer Cr (at Rocks)		52.1	25%-30%	Normal
Eastern	Choptank (near Greensboro)		11.5	5%-10%	Warning
Eastern	Nassawango Creek (near Snow Hill)		3.7	20%-25%	Watch
	Susquehanna (at Marietta)		11,053	60%-65%	Normal
	Potomac (at Little Falls)(Adjusted)		4,136	60%-65%	Normal

Notes:

Ground Water Status for 30 September 2024			
Region	USGS Well ID	Well Level[1]	Status
Western	GA Bc 1	16.33	Watch
	AL Ah 1	4.42	Normal
	WA Be 2	33.49	Normal
	WA Bk 25	49.41	Warning
	WA Ci 82	51.11	Normal
Central	BA Dc 444	41.09	Watch
	BA Ea 18	23.15	Normal
	CL Ad 47	3.67	Normal
	Fr Bd 96	27.27	Normal
	Fr Df 35	56.54	Normal
	HA Bd 31	14.15	Normal
	HA Ca 23	9.29	Emergency
	MO Cc 14	37.14	Normal
Eastern	QA Cg 69	5.18	Normal
	WI Cg 20	8.24	Watch
	MC51-01	14.04	Watch
	SO Cf 2	6.25	Emergency
Southern	CH Bg 12 (unconfined)	8.86	Normal
	CA Fd 54 (confined)	243.31	On Trend[4]

[1] - Measurement of water level as feet below land surface  
[2] - Not Available as of 2024-10-02  
[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:

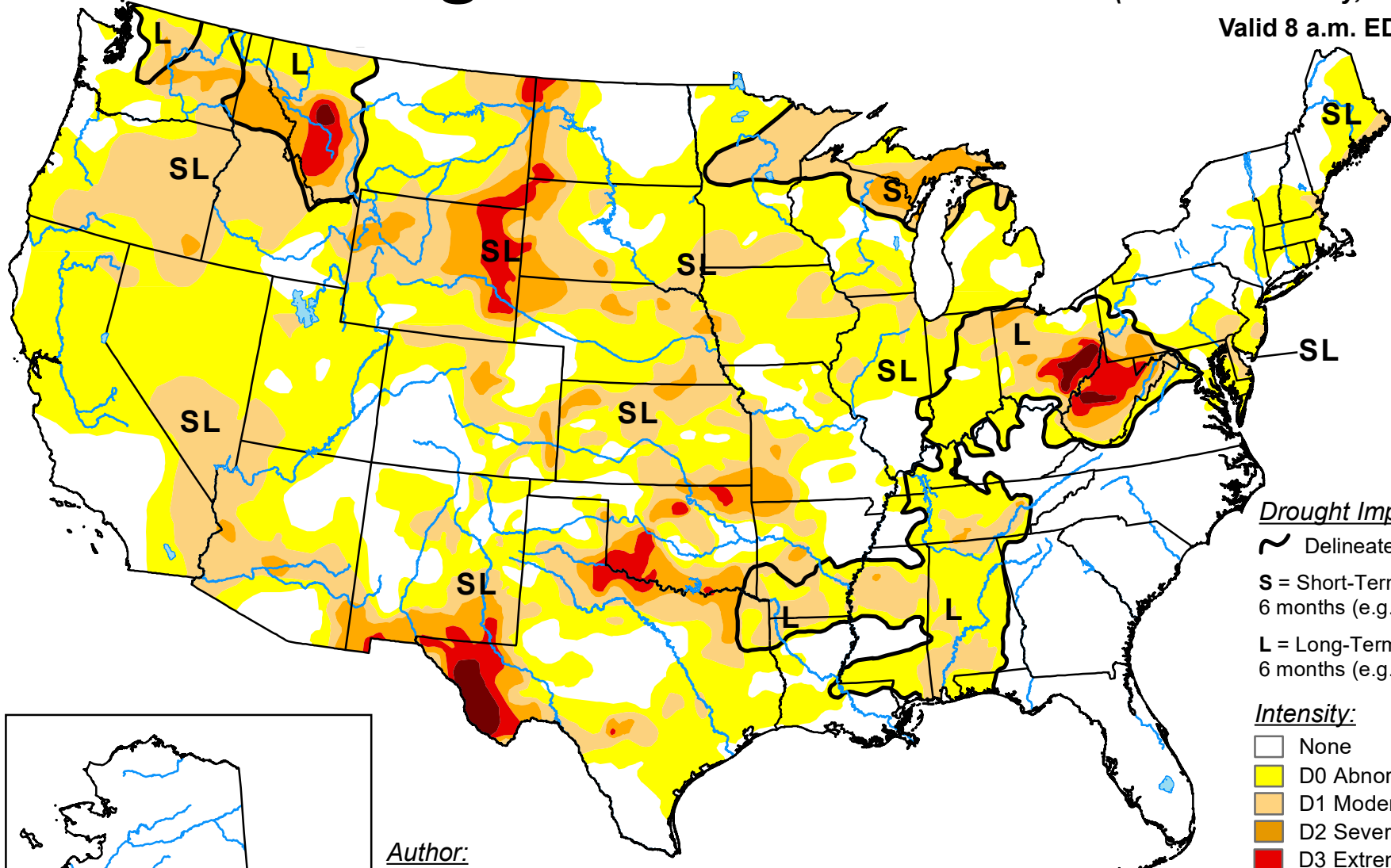
<http://md.water.usgs.gov/groundwater/>

Data for other wells may be downloaded from:

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

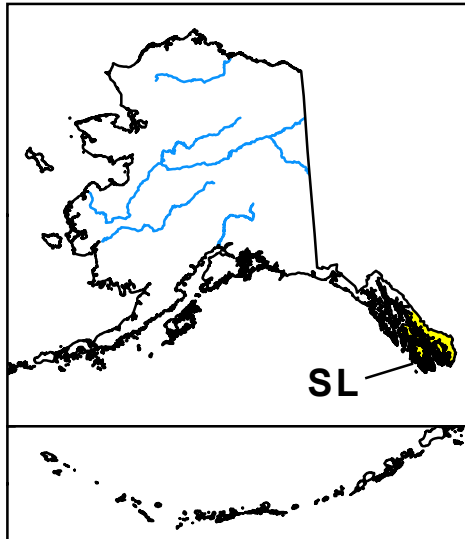
# U.S. Drought Monitor

October 1, 2024  
(Released Thursday, Oct. 3, 2024)  
Valid 8 a.m. EDT

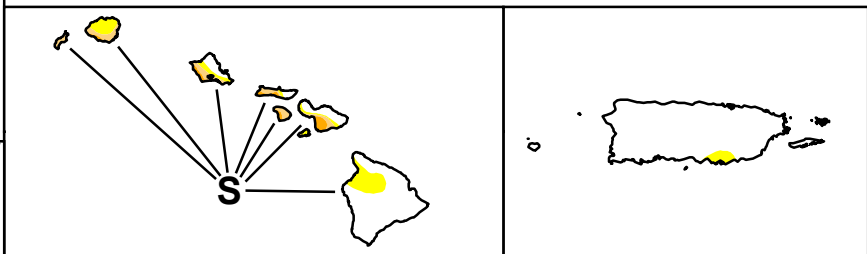


**Drought Impact Types:**  
~ Delineates dominant impacts  
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)  
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

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



**Author:**  
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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](https://droughtmonitor.unl.edu)

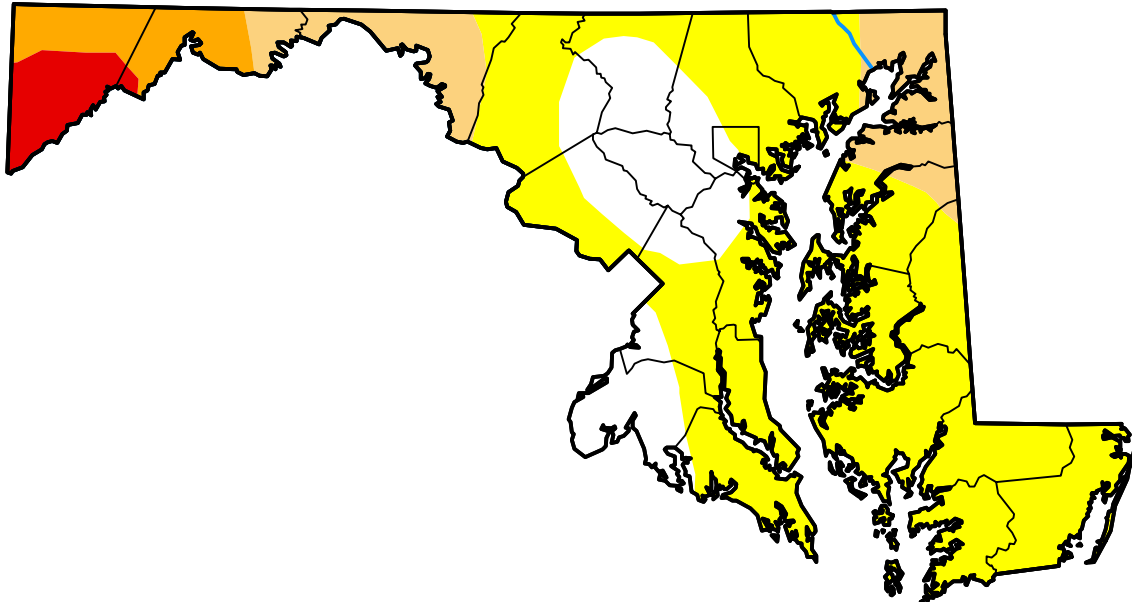
# U.S. Drought Monitor

## Maryland

**October 1, 2024**  
 (Released Thursday, Oct. 3, 2024)  
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### Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	18.77	81.23	21.65	9.89	4.07	0.00
<b>Last Week</b> <i>09-24-2024</i>	10.54	89.46	24.20	10.08	5.93	0.00
<b>3 Months Ago</b> <i>07-02-2024</i>	6.03	93.97	52.74	7.78	0.00	0.00
<b>Start of Calendar Year</b> <i>01-02-2024</i>	70.35	29.65	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-26-2023</i>	63.11	36.89	3.30	0.47	0.00	0.00
<b>One Year Ago</b> <i>10-03-2023</i>	64.56	35.44	3.30	0.47	0.00	0.00



### Intensity:



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