

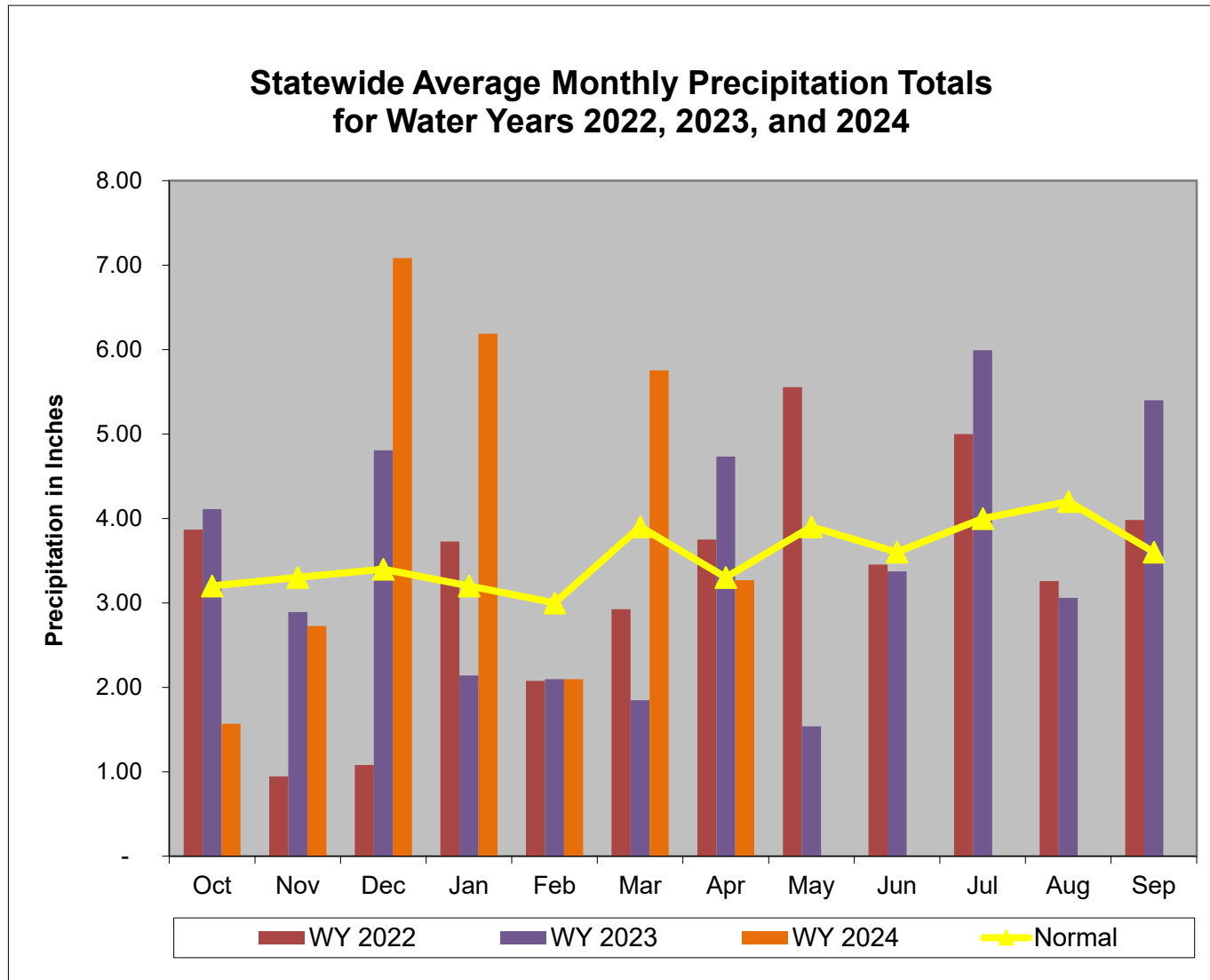
Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for 30 April 2024					
	Rainfall	Stream Flow	Groundwater	Reservoirs	Overall Status
Western	Normal	Normal	Normal	Normal	Normal
Central	Normal	Normal	Normal	Normal	Normal
Eastern	Normal	Normal	Normal		Normal
Southern	Normal		Watch		Normal

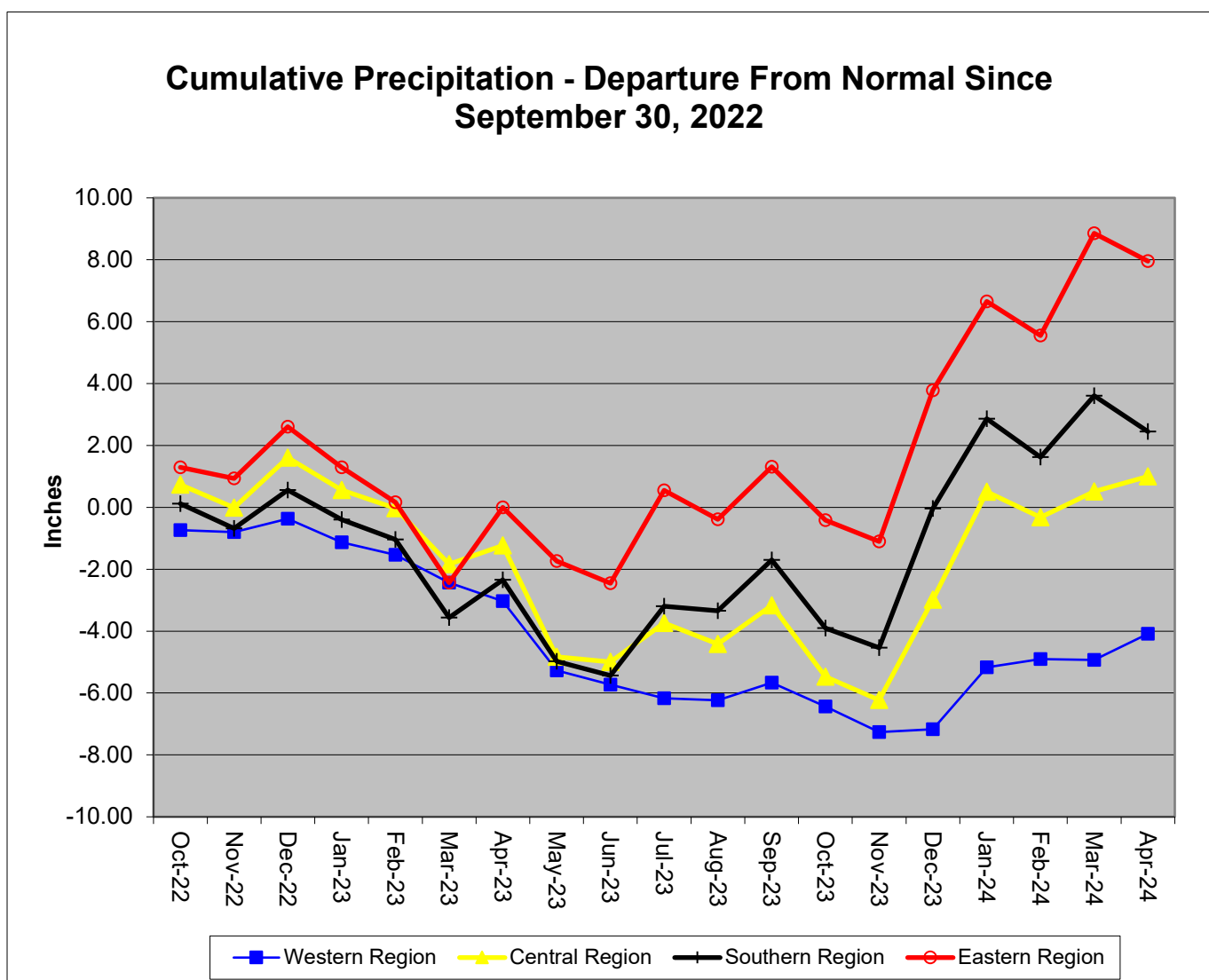
Notes:

Precipitation Indicators for Maryland Drought Regions April 30, 2024						
	Since Sept 30, 2023		Since October 30, 2023		Since April 30, 2023	
Regions	Percent of Normal	Condition	Percent of Normal	Condition	Percent of Normal	Condition
Western	107%	Normal	112%	Normal	98%	Normal
Central	117%	Normal	131%	Normal	105%	Normal
Eastern	127%	Normal	140%	Normal	118%	Normal
Southern	118%	Normal	132%	Normal	111%	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 30 April 2024 (WY 2024)**

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY ¹ To Date (Since September 30, 2023)				12 Months (Since April 30, 2023)				3 Months (Since January 31, 2024)				6 Months (Since October 31, 2023)			
		COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart
WESTERN REGION	ALLEGANY	21.1	22.9	1.8	109%	39.3	38.8	-0.5	99%	9.6	11.2	1.6	117%	18.3	21.0	2.7	115%
	GARRETT	25.3	29.3	4.0	116%	47.1	49.6	2.5	105%	11.3	14.9	3.6	132%	22.3	26.1	3.8	117%
	WASHINGTON	21.8	20.7	-1.1	95%	40.1	34.9	-5.2	87%	9.7	7.7	-2.0	80%	18.7	19.2	0.5	103%
	Regional Average	22.7	24.3	1.6	107%	42.2	41.1	-1.1	98%	10.2	11.3	1.1	111%	19.8	22.1	2.3	112%
CENTRAL REGION	BALTIMORE COUNTY	25.5	30.4	4.9	119%	45.7	50.2	4.5	110%	10.9	11.6	0.7	107%	21.6	28.9	7.3	134%
	CARROLL	23.9	26.4	2.5	110%	43.6	40.3	-3.4	92%	10.3	10.7	0.4	103%	20.3	25.1	4.8	123%
	CECIL	24.6	33.6	9.0	137%	45.0	55.3	10.3	123%	10.5	13.1	2.6	125%	21.0	32.3	11.3	154%
	FREDERICK	23.2	25.4	2.2	109%	42.4	39.4	-3.0	93%	10.2	10.6	0.4	104%	19.8	23.9	4.1	121%
	HARFORD	25.1	31.7	6.6	126%	45.9	52.6	6.7	115%	10.7	11.8	1.1	110%	21.2	30.1	8.9	142%
	HOWARD	24.7	27.2	2.5	110%	44.5	44.7	0.2	100%	10.7	10.3	-0.5	96%	21.0	26.0	5.0	124%
	MONTGOMERY	23.2	24.8	1.6	107%	42.8	43.1	0.3	101%	10.1	8.9	-1.2	88%	19.7	23.7	4.0	120%
	Regional Average	24.3	28.5	4.2	117%	44.3	46.5	2.2	105%	10.5	11.0	0.5	105%	20.7	27.1	6.5	131%
SOUTHERN REGION	ANNE ARUNDEL	23.6	28.8	5.2	122%	42.9	50.1	7.2	117%	10.2	10.1	-0.1	99%	20.1	27.4	7.3	136%
	CALVERT	24.2	28.7	4.5	119%	44.2	50.2	6.0	114%	10.5	10.0	-0.5	95%	20.6	27.1	6.5	132%
	CHARLES	23.2	27.3	4.1	118%	42.6	45.9	3.3	108%	10.0	9.7	-0.3	97%	19.7	26.2	6.5	133%
	PRINCE GEORGES	23.4	26.2	2.8	112%	42.5	47.0	4.5	111%	10.0	9.0	-1.0	90%	19.8	25.1	5.3	127%
	ST MARYS	24.1	28.2	4.1	117%	43.9	46.8	2.9	107%	10.5	10.3	-0.2	98%	20.5	26.6	6.1	130%
	Regional Average	23.7	27.8	4.2	118%	43.2	48.0	4.8	111%	10.2	9.8	-0.4	96%	20.1	26.5	6.4	132%
EASTERN REGION	CAROLINE	23.9	31.8	7.9	133%	43.5	55.7	12.2	128%	10.4	11.9	1.5	114%	20.5	29.9	9.4	146%
	DORCHESTER	70.5	76.6	6.1	109%	44.1	52.1	8.0	118%	10.7	10.9	0.2	102%	20.9	28.8	7.9	138%
	KENT	68.7	76.3	7.6	111%	43.6	52.0	8.4	119%	10.4	12.1	1.7	116%	20.4	30.1	9.7	147%
	QUEEN ANNES	69.4	76.2	6.8	110%	43.5	51.3	7.8	118%	10.4	11.5	1.1	111%	20.5	29.1	8.6	142%
	SOMERSET	68.1	75.0	6.9	110%	43.3	50.9	7.6	118%	10.8	12.4	1.6	115%	20.7	29.1	8.4	141%
	TALBOT	67.4	73.2	5.8	109%	44.0	49.6	5.6	113%	10.6	11.2	0.6	106%	20.8	28.3	7.5	136%
	WICOMICO	69.2	77.9	8.7	113%	43.9	55.2	11.3	126%	10.8	14.1	3.3	130%	21.1	31.4	10.3	149%
	WORCESTER	66.1	69.4	3.4	105%	44.4	47.1	2.8	106%	10.9	11.3	0.5	104%	21.4	26.5	5.2	124%
Regional Average	62.9	69.6	6.6	111%	43.8	51.7	8.0	118%	10.6	11.9	1.3	112%	20.8	29.2	8.4	140%	
INDEPENDENT CITY OF BALTIMORE		25.5	30.4	4.9	119%	45.7	50.2	4.5	110%	10.9	11.6	0.7	107%	21.6	28.9	7.3	134%
Statewide Average		36.9	41.6	4.7	113%	43.7	48.0	4.4	110%	10.5	11.1	0.7	106%	20.5	27.1	6.6	132%

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2024 April 30

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		758	90%-95%	Normal
Western	Savage River (near Barton)		221.3	80%-85%	Normal
Western	Wills Creek (near Cumberland)		1,131	85%-90%	Normal
Western	Marsh Run (at Grimes)		26.0	75%-80%	Normal
Central	Catoctin Creek (near Middletown)		205.8	80%-85%	Normal
Central	Monocacy (Jug Bridge near Frederick)		2,261	85%-90%	Normal
Central	Patuxent (near Unity)		77.0	80%-85%	Normal
Central	Deer Cr (at Rocks)		276.8	85%-90%	Normal
Eastern	Choptank (near Greensboro)		404.0	90%-95%	Normal
Eastern	Nassawango Creek (near Snow Hill)		46.5	30%-35%	Normal
	Susquehanna (at Marietta)		104,003	85%-90%	Normal
	Potomac (at Little Falls)(Adjusted)		25,225	75%-80%	Normal

Notes:

Ground Water Status for 30 April 2024				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	12.26	Normal	Normal
	AL Ah 1	4.32	Normal	
	WA Be 2	20.20	Normal	
	WA Bk 25	39.17	Normal	
Central	BA Dc 444	36.80	Normal	Normal
	BA Ea 18	20.24	Normal	
	HA Bd 31	5.00	Normal	
	HA Ca 23	4.74	Normal	
	MO Cc 14	22.96	Normal	
Eastern	QA Cg 69	2.57	Normal	Normal
	WI Cg 20	4.13	Normal	
	MC51-01	6.10	Normal	
	SO Cf 2	1.93	Warning	
Southern	CH Bg 12 (unconfined)	3.51	Emergency	Watch
	CA Fd 54 (confined)	239.70	On Trend[4]	

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2024-05-03
[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:

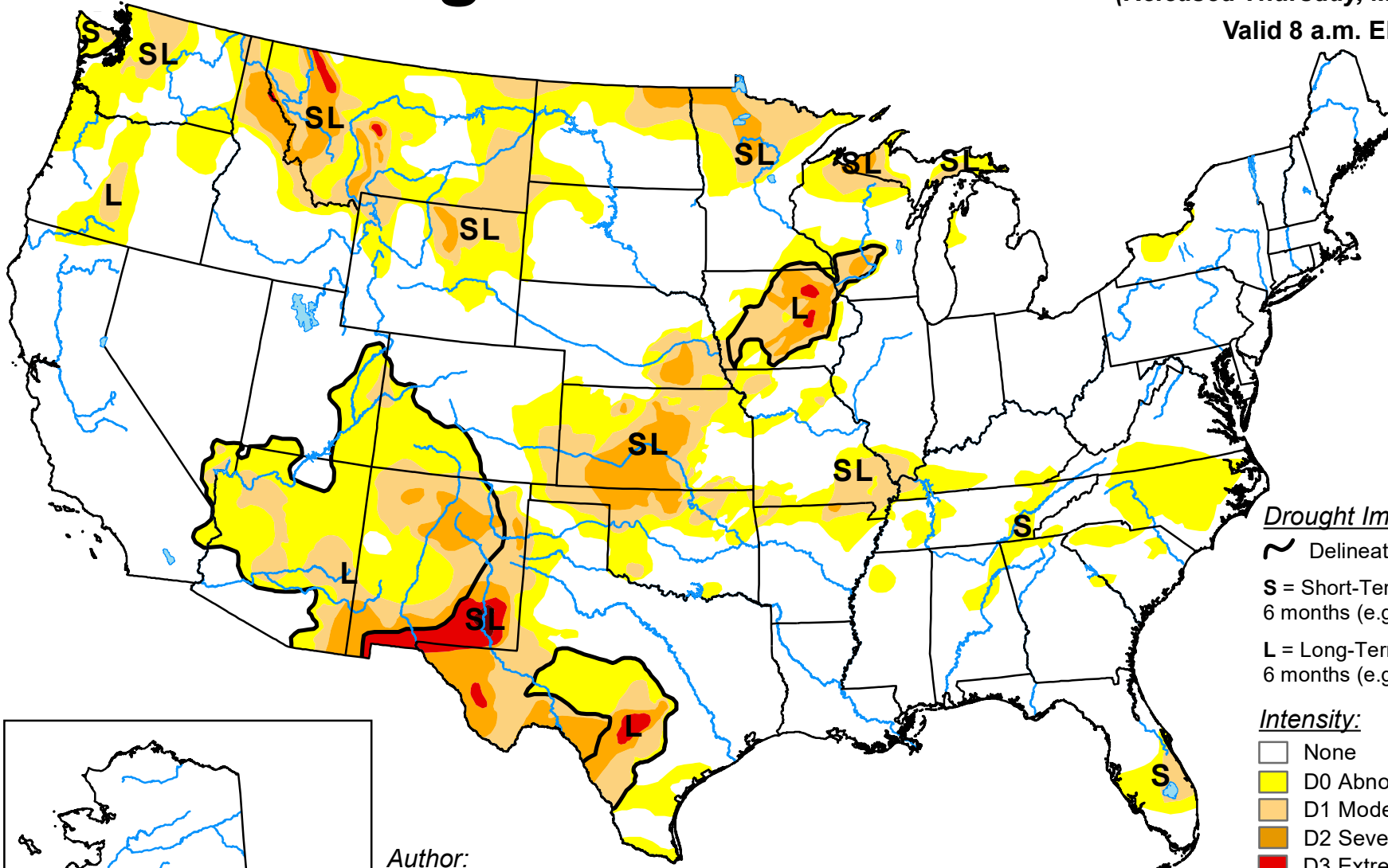
[USGS - NWIS Web Information for USA](https://www.usgs.gov/nwis)

U.S. Drought Monitor

April 30, 2024

(Released Thursday, May 2, 2024)

Valid 8 a.m. EDT



Drought Impact Types:

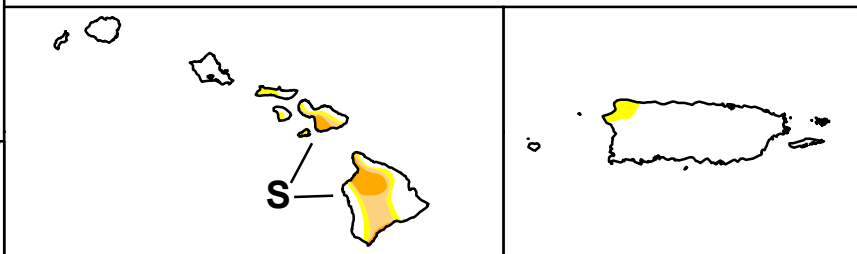
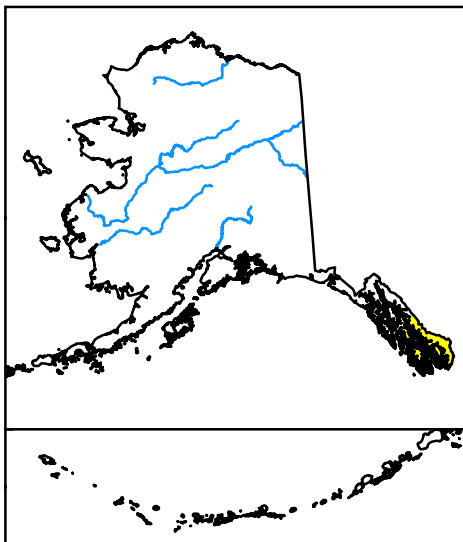
- Delineates dominant impacts
- S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

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

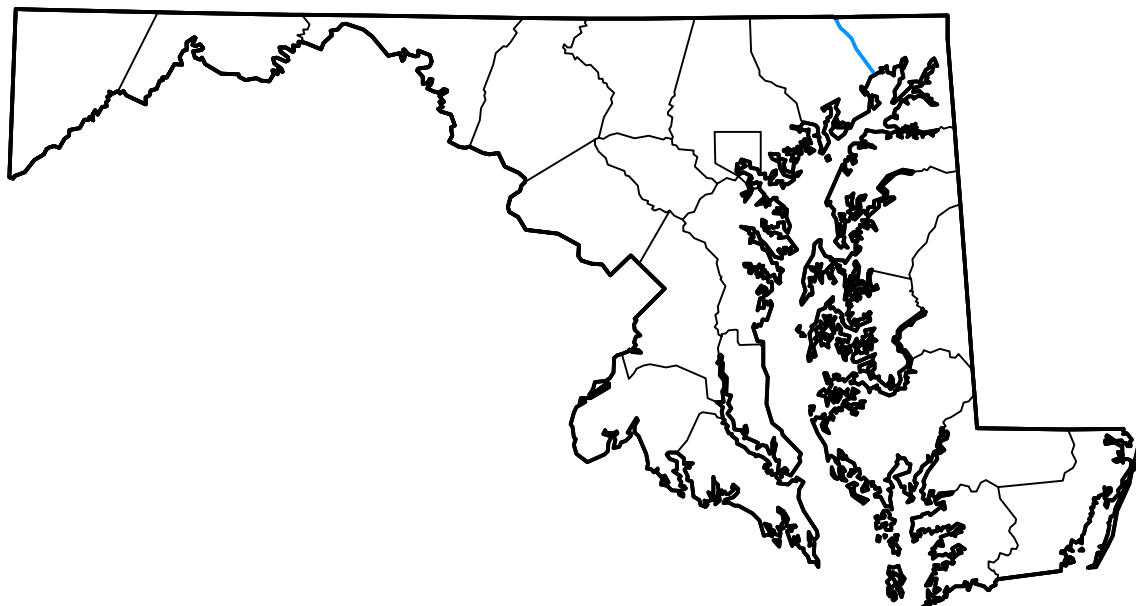
U.S. Drought Monitor

Maryland

April 30, 2024
 (Released Thursday, May. 2, 2024)
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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week <i>04-23-2024</i>	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago <i>01-30-2024</i>	100.00	0.00	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>05-02-2023</i>	46.56	53.44	7.86	0.00	0.00	0.00



Intensity:



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 National Drought Mitigation Center



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