

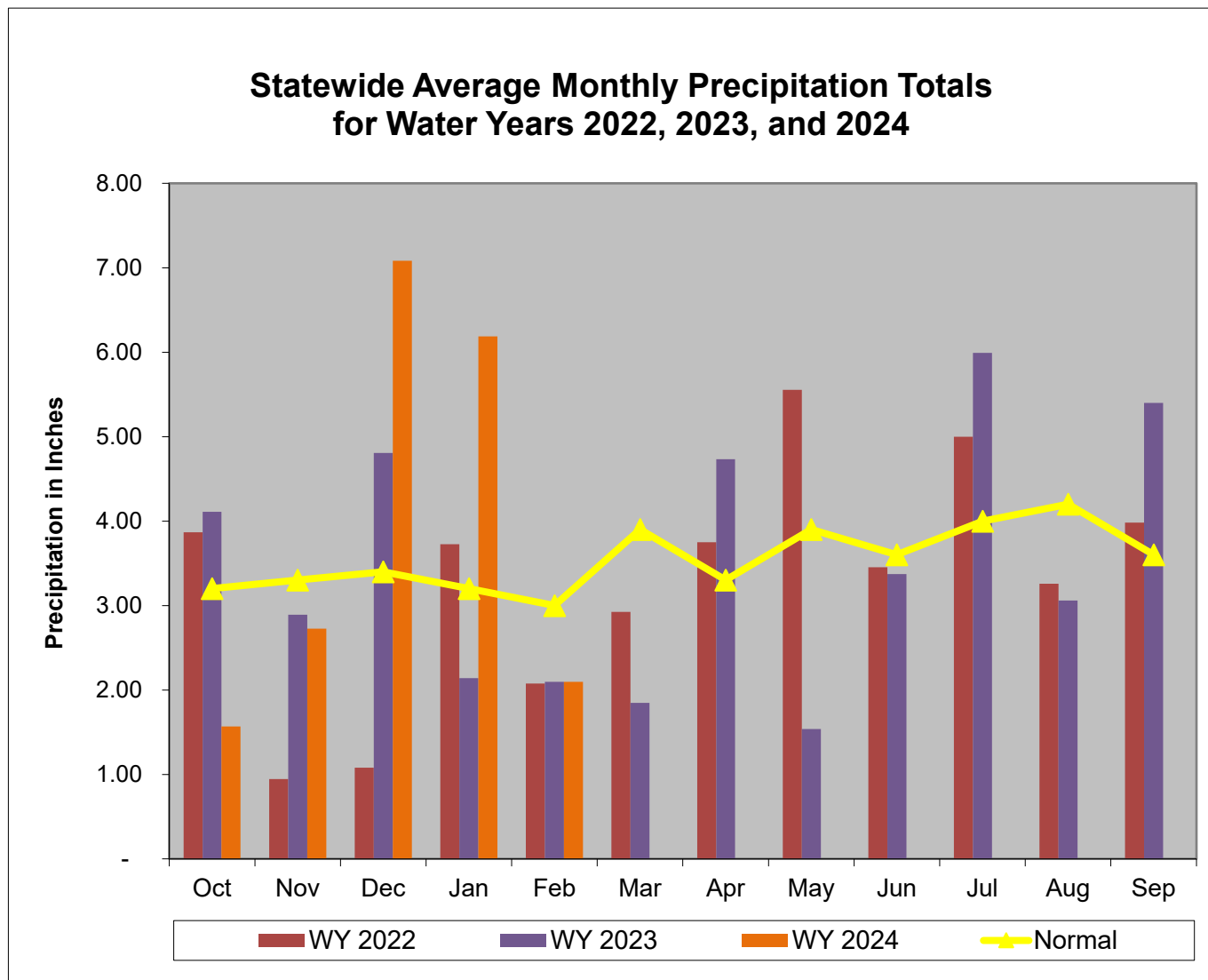
Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for 29 February 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		Normal		Normal

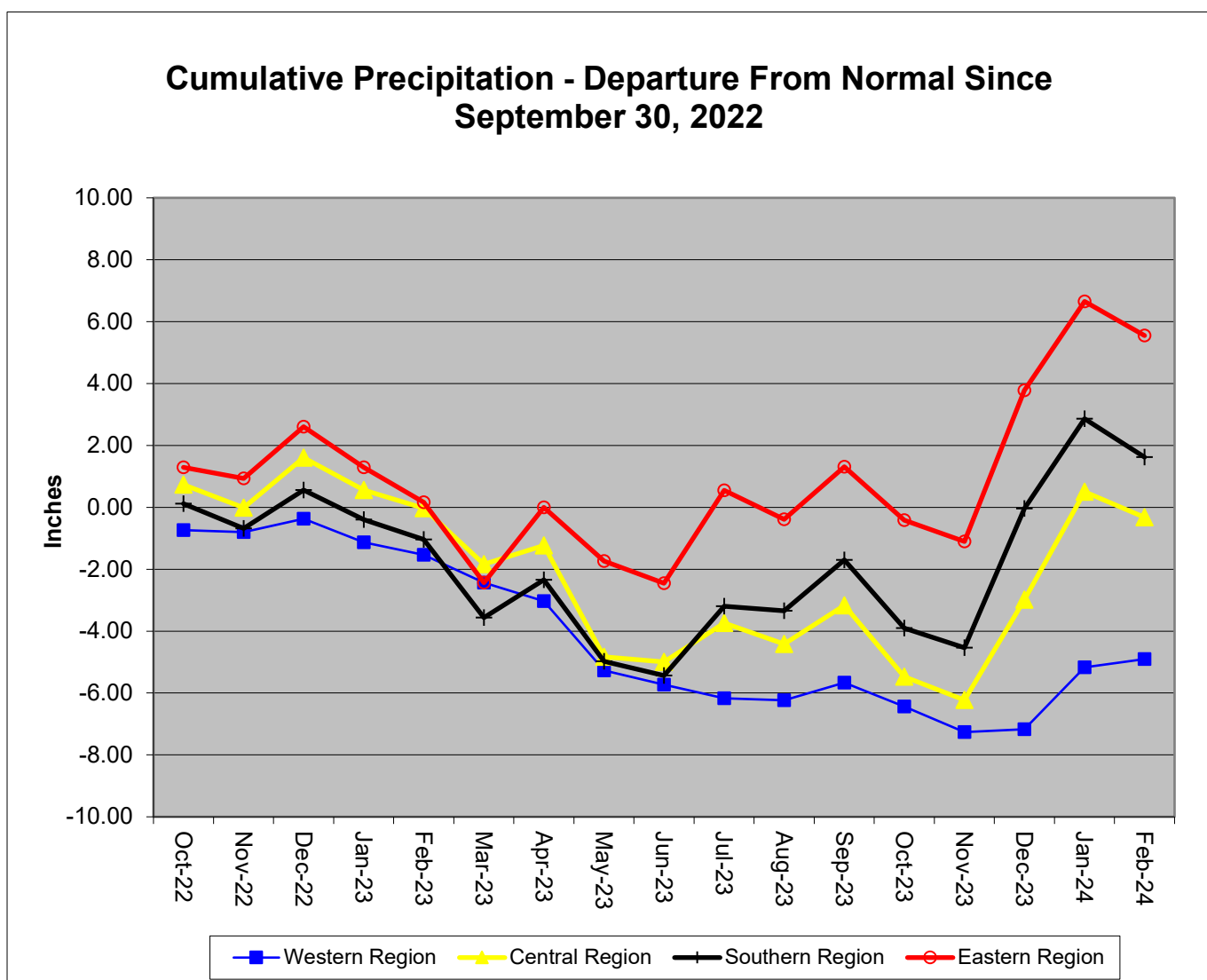
Notes:

Precipitation Indicators for Maryland Drought Regions February 29, 2024						
	Since Sept 30, 2023		Since August 30, 2023		Since February 28, 2023	
Regions	Percent of Normal	Condition	Percent of Normal	Condition	Percent of Normal	Condition
Western	105%	Normal	107%	Normal	92%	Normal
Central	117%	Normal	119%	Normal	99%	Normal
Eastern	126%	Normal	129%	Normal	112%	Normal
Southern	120%	Normal	124%	Normal	106%	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 29 February 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 February 28, 2023)				3 Months (Since November 30, 2023)				6 Months (Since August 30, 2023)			
REGION	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
	WESTERN REGION	ALLEGANY	14.1	14.6	0.5	104%	39.3	35.9	-3.4	91%	8.1	10.3	2.2	127%	17.6	19.1	1.5
GARRETT		17.4	18.2	0.8	105%	47.2	45.3	-1.9	96%	10.6	12.4	1.8	117%	21.1	22.0	0.9	104%
WASHINGTON		14.7	15.7	1.0	107%	39.9	35.1	-4.8	88%	8.3	11.4	3.1	137%	18.5	20.1	1.6	109%
Regional Average		15.4	16.2	0.8	105%	42.1	38.8	-3.4	92%	9.0	11.4	2.4	126%	19.1	20.4	1.3	107%
CENTRAL REGION	BALTIMORE COUNTY	17.7	21.0	3.3	119%	45.7	47.2	1.5	103%	10.1	16.6	6.5	164%	22.1	27.1	5.0	123%
	CARROLL	16.5	18.0	1.5	109%	43.6	38.7	-4.9	89%	9.4	14.2	4.8	151%	20.8	22.6	1.8	109%
	CECIL	16.9	22.5	5.6	133%	45.0	51.4	6.4	114%	9.8	17.8	8.0	182%	21.3	28.3	7.0	133%
	FREDERICK	15.9	17.3	1.4	109%	42.4	37.8	-4.6	89%	9.0	13.2	4.2	147%	20.0	22.0	2.0	110%
	HARFORD	17.4	21.9	4.5	126%	45.9	49.2	3.3	107%	9.9	17.3	7.4	175%	21.8	27.5	5.7	126%
	HOWARD	17.1	18.9	1.8	111%	44.5	42.0	-2.5	94%	9.8	15.0	5.2	153%	21.2	24.5	3.3	116%
	MONTGOMERY	16.0	17.8	1.8	111%	42.8	41.5	-1.3	97%	9.0	14.2	5.2	158%	20.1	23.9	3.8	119%
	Regional Average	16.8	19.6	2.8	117%	44.3	44.0	-0.3	99%	9.6	15.5	5.9	162%	21.0	25.1	4.1	119%
SOUTHERN REGION	ANNE ARUNDEL	16.3	20.4	4.1	125%	42.9	47.4	4.5	110%	9.4	16.0	6.6	170%	20.2	26.2	6.0	130%
	CALVERT	16.7	20.3	3.6	122%	44.2	48.4	4.2	110%	9.7	15.7	6.0	162%	20.6	26.7	6.1	130%
	CHARLES	16.1	19.4	3.3	120%	42.6	43.5	0.9	102%	9.2	15.7	6.5	171%	20.0	24.2	4.2	121%
	PRINCE GEORGES	16.3	18.8	2.5	115%	42.5	44.9	2.4	106%	9.2	14.9	5.7	162%	20.1	24.4	4.3	121%
	ST MARYS	16.6	19.7	3.1	119%	43.9	45.2	1.3	103%	9.6	15.6	6.0	163%	20.5	24.7	4.2	120%
	Regional Average	16.4	19.7	3.3	120%	43.2	45.9	2.7	106%	9.4	15.6	6.2	165%	20.3	25.2	5.0	124%
EASTERN REGION	CAROLINE	16.3	21.7	5.4	133%	43.5	53.9	10.4	124%	9.5	17.0	7.5	179%	20.1	28.2	8.1	140%
	DORCHESTER	62.8	67.5	4.7	107%	44.1	50.6	6.5	115%	9.9	17.0	7.1	172%	20.2	26.4	6.2	131%
	KENT	61.2	66.1	4.9	108%	43.6	49.4	5.8	113%	9.6	16.7	7.1	174%	20.7	27.3	6.6	132%
	QUEEN ANNES	61.9	66.5	4.6	107%	43.5	49.6	6.1	114%	9.6	16.4	6.8	171%	20.5	26.9	6.4	131%
	SOMERSET	60.4	64.6	4.2	107%	43.3	47.6	4.3	110%	9.8	16.4	6.6	167%	20.0	25.4	5.4	127%
	TALBOT	59.8	63.8	4.0	107%	44.0	47.6	3.6	108%	9.8	16.2	6.4	165%	20.5	24.8	4.3	121%
	WICOMICO	61.6	65.8	4.2	107%	44.1	50.2	6.1	114%	10.2	17.0	6.8	167%	20.5	27.6	7.1	135%
	WORCESTER	58.4	60.3	1.9	103%	44.4	44.7	0.3	101%	10.3	15.2	4.9	148%	21.0	24.4	3.4	116%
Regional Average	55.3	59.5	4.2	108%	43.8	49.2	5.4	112%	9.8	16.5	6.7	168%	20.4	26.4	5.9	129%	
INDEPENDENT CITY OF BALTIMORE		17.7	21.0	3.3	119%	45.7	47.2	1.5	103%	10.1	16.6	6.5	164%	22.1	27.1	5.0	123%
Statewide Average		29.4	32.6	3.2	111%	43.7	45.6	1.9	104%	9.6	15.4	5.8	160%	20.5	25.1	4.6	122%

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2024 February 29

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)	[1]	483	45%-50%	Normal
Western	Savage River (near Barton)	[1]	133.8	55%-60%	Normal
Western	Wills Creek (near Cumberland)		523	55%-60%	Normal
Western	Marsh Run (at Grimes)		17.2	70%-75%	Normal
Central	Catoctin Creek (near Middletown)		107.2	55%-60%	Normal
Central	Monocacy (Jug Bridge near Frederick)		1,299	40%-45%	Normal
Central	Patuxent (near Unity)		43.7	35%-40%	Normal
Central	Deer Cr (at Rocks)		144.5	45%-50%	Normal
Eastern	Choptank (near Greensboro)		208.1	55%-60%	Normal
Eastern	Nassawango Creek (near Snow Hill)		61.4	40%-45%	Normal
	Susquehanna (at Marietta)		53,190	65%-70%	Normal
	Potomac (at Little Falls)(Adjusted)		19,221	60%-65%	Normal

Notes:

[1] Streamflow data missing due to ice

Ground Water Status for 29 February 2024				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	8.70	Normal	Normal
	AL Ah 1	3.06	Normal	
	WA Be 2	24.51	Normal	
	WA Bk 25	42.48	Normal	
Central	BA Dc 444	40.10	Normal	Normal
	BA Ea 18	23.05	Normal	
	HA Bd 31	7.00	Normal	
	HA Ca 23	5.58	Normal	
	MO Cc 14	26.17	Normal	
Eastern	QA Cg 69	2.71	Normal	Normal
	WI Cg 20	4.33	Normal	
	MC51-01	8.71	Normal	
	SO Cf 2	1.05	Normal	
Southern	CH Bg 12 (unconfined)	2.67	Normal	Normal
	AA Cc 40 (confined)	NA[2]	Unknown	
	CA Fd 54 (confined)	239.62	On Trend[4]	
	CH Dd 33 (confined)	NA[2]	Unknown	
	PG De 21 (confined)	NA[2]	Unknown	
	SM Fg 45 (confined)	NA[2]	Unknown	
<p>[1] - Measurement of water level as feet below land surface [2] - Not Available as of 2024-03-05 [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.</p>				

Selected ground water levels are available from USGS at:

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

Data for other wells may be downloaded from:

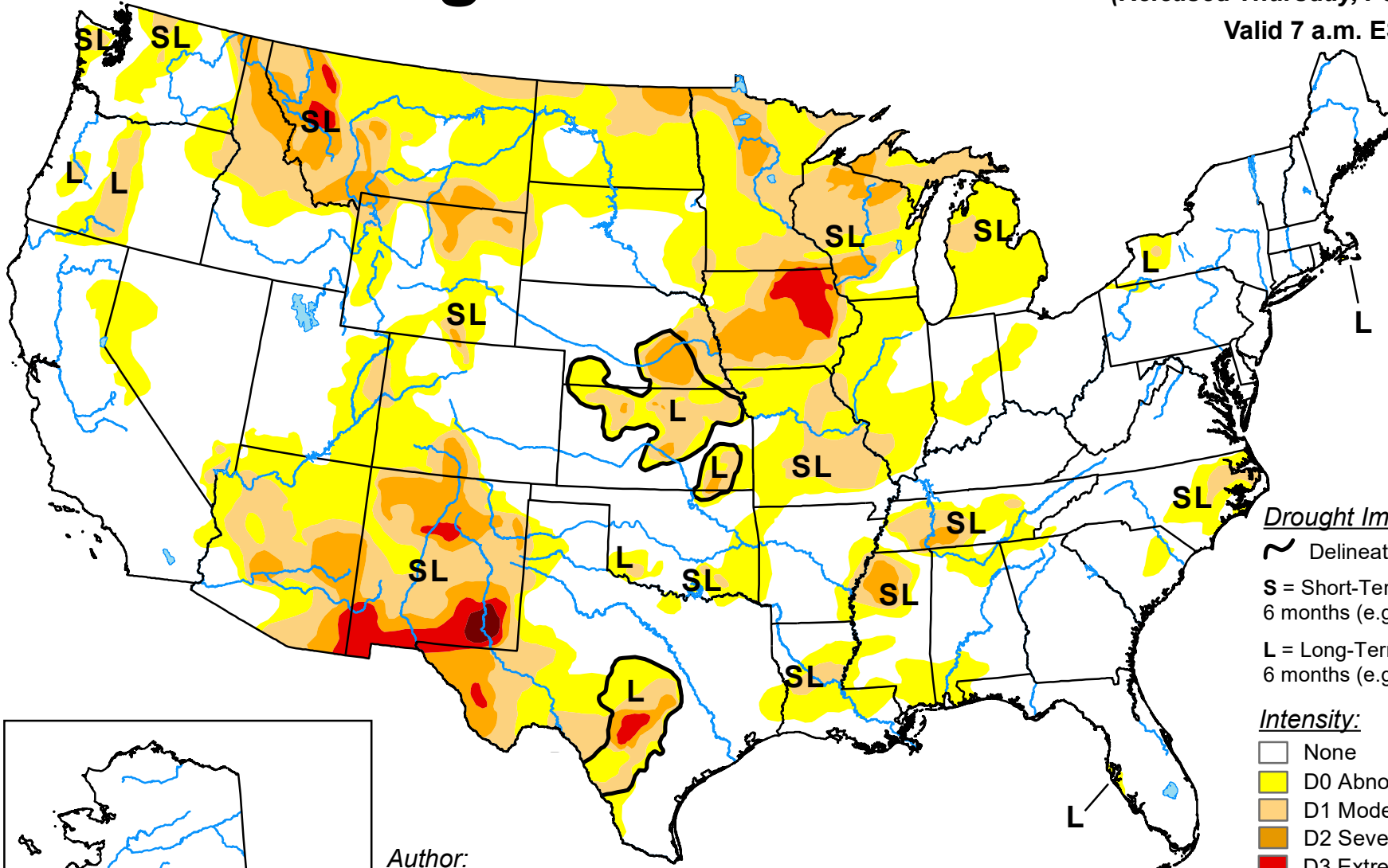
[USGS - NWIS Web Information for USA](https://www.usgs.gov/nwis)

U.S. Drought Monitor

February 27, 2024

(Released Thursday, Feb. 29, 2024)

Valid 7 a.m. EST

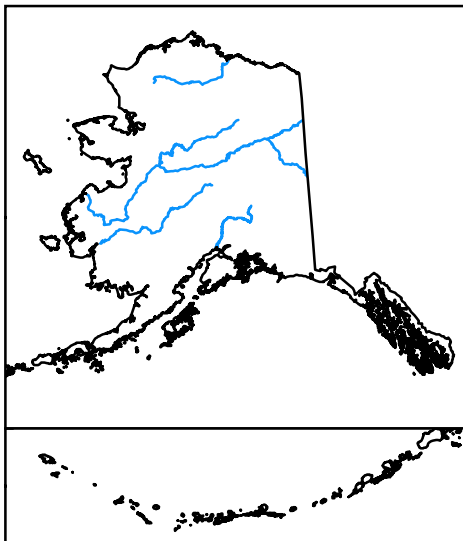


Drought Impact Types:

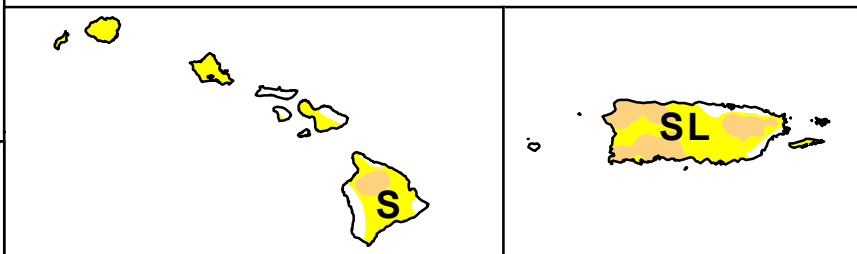
- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought



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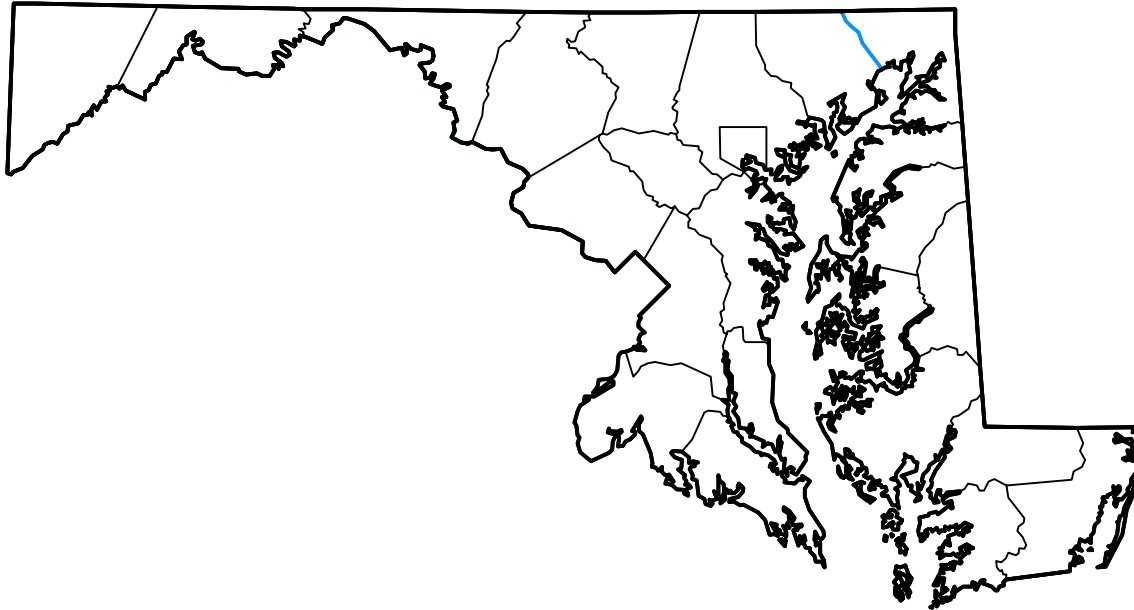
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



droughtmonitor.unl.edu

U.S. Drought Monitor Maryland

February 27, 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>02-20-2024</i>	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago <i>11-28-2023</i>	10.43	89.57	43.44	3.26	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>02-28-2023</i>	79.63	20.37	0.00	0.00	0.00	0.00

Intensity:



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