

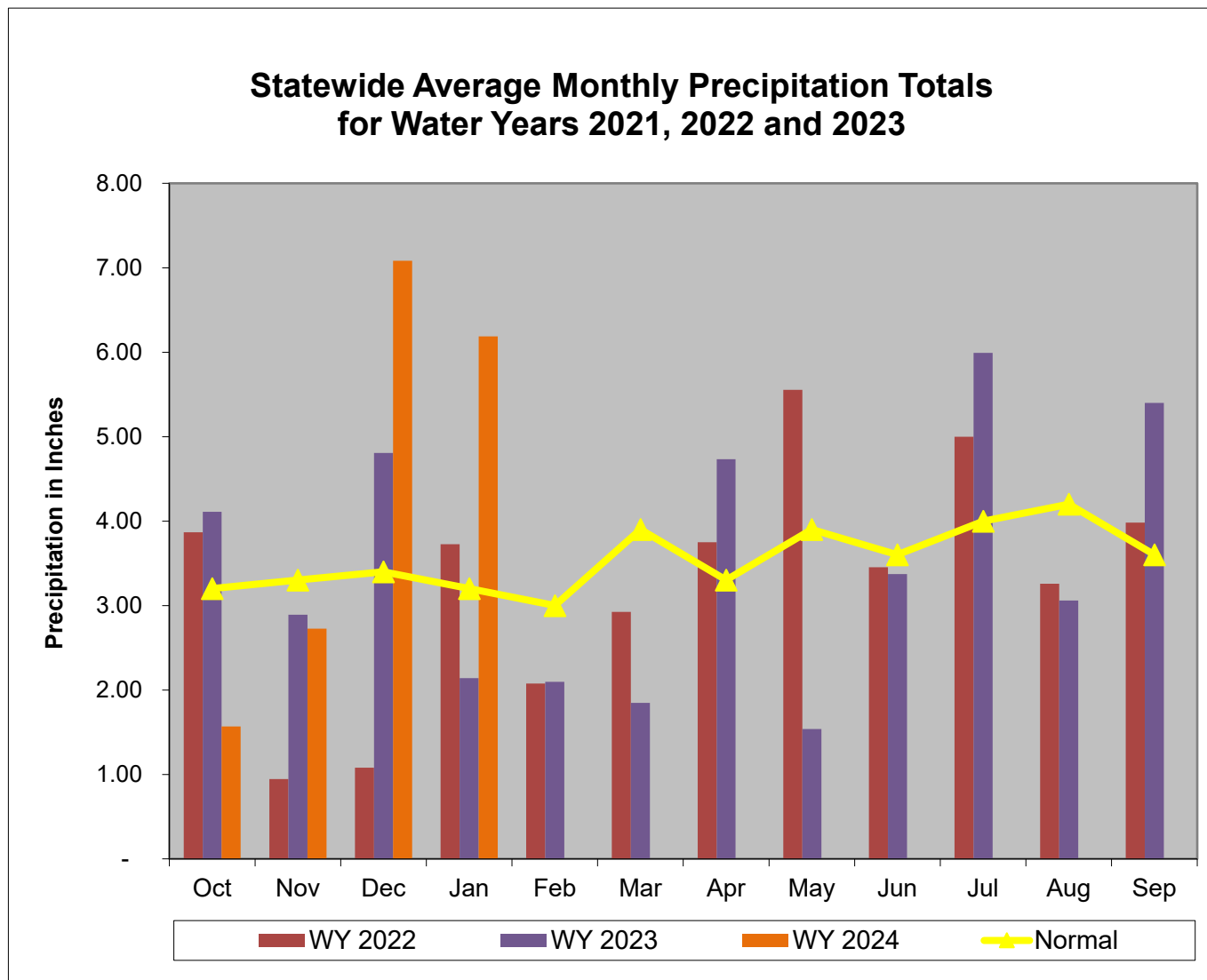
Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for 31 January 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

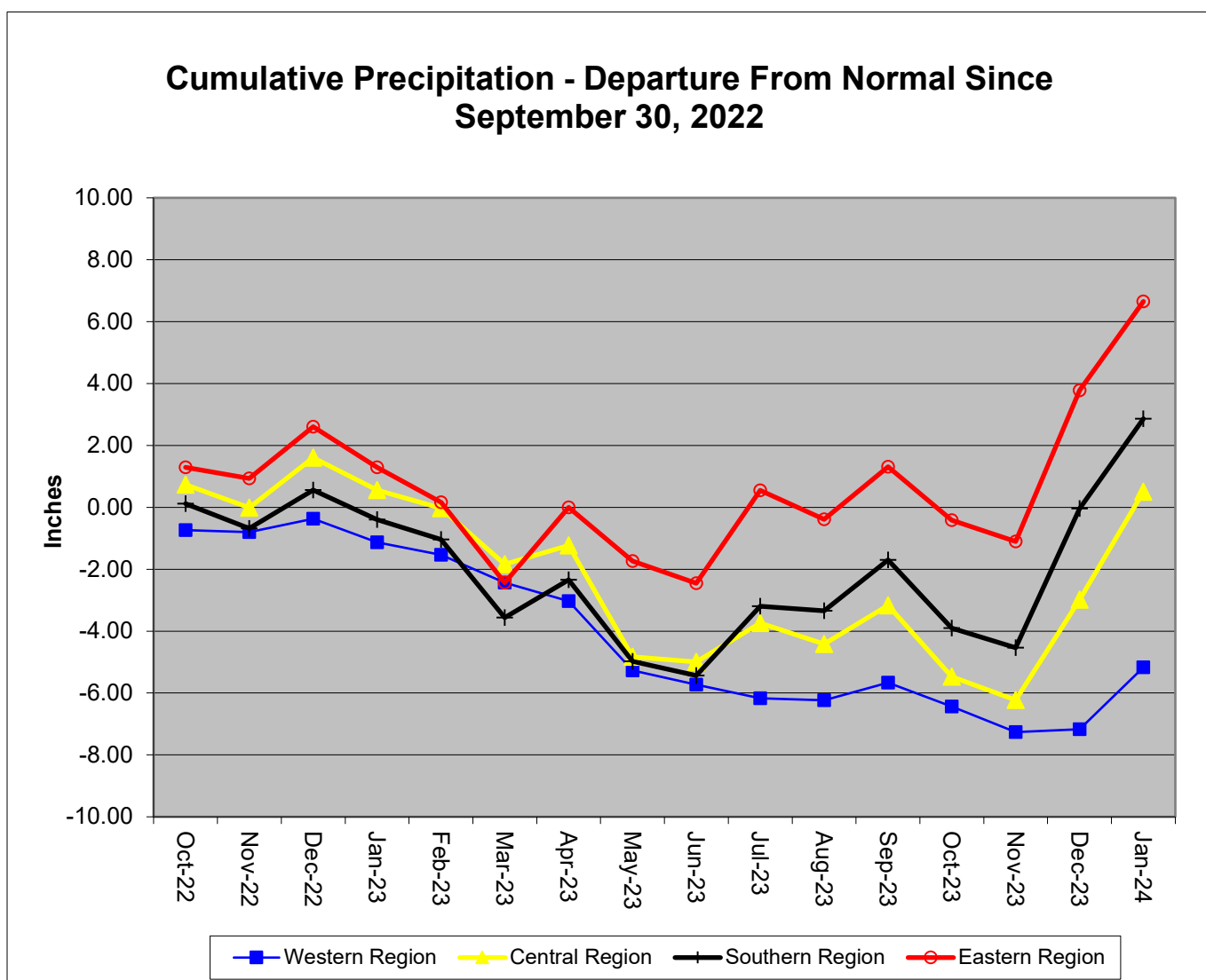
Notes:

Precipitation Indicators for Maryland Drought Regions January 31, 2024						
	Since Sept 30, 2023		Since July 31, 2022		Since Jan 31, 2023	
Regions	Percent of Normal	Condition	Percent of Normal	Condition	Percent of Normal	Condition
Western	104%	Normal	105%	Normal	90%	Normal
Central	127%	Normal	120%	Normal	100%	Normal
Eastern	139%	Normal	129%	Normal	112%	Normal
Southern	134%	Normal	129%	Normal	108%	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 31 January 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 December 30, 2022)				3 Months (Since September 30, 2023)				6 Months (Since June 30, 2023)			
		COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart
WESTERN REGION	ALLEGANY	11.5	11.7	0.2	102%	39.1	35.1	-4.0	90%	8.7	9.8	1.1	113%	18.2	18.8	0.6	103%
	GARRETT	14.0	14.4	0.4	103%	47.0	44.6	-2.4	95%	11.0	11.2	0.2	102%	21.4	22.4	1.0	105%
	WASHINGTON	12.1	13.0	0.9	107%	39.8	34.1	-5.7	86%	9.0	11.5	2.5	128%	19.1	20.5	1.4	107%
	Regional Average	12.5	13.0	0.5	104%	42.0	37.9	-4.0	90%	9.6	10.8	1.3	113%	19.6	20.6	1.0	105%
CENTRAL REGION	BALTIMORE COUNTY	14.6	18.8	4.2	129%	45.5	47.4	1.9	104%	10.7	17.3	6.6	162%	22.3	27.7	5.4	124%
	CARROLL	13.6	15.7	2.1	115%	43.6	38.7	-4.9	89%	10.0	14.4	4.4	144%	21.3	23.0	1.7	108%
	CECIL	14.1	20.5	6.4	145%	45.0	51.4	6.4	114%	10.5	19.2	8.7	183%	22.1	28.7	6.6	130%
	FREDERICK	13.0	14.8	1.8	114%	42.2	37.4	-4.8	89%	9.6	13.3	3.7	139%	20.3	22.1	1.8	109%
	HARFORD	14.4	19.9	5.5	138%	45.7	49.0	3.3	107%	10.5	18.3	7.8	174%	22.5	28.3	5.8	126%
	HOWARD	14.0	16.9	2.9	121%	44.4	42.7	-1.7	96%	10.3	15.7	5.4	152%	21.4	25.3	3.9	118%
	MONTGOMERY	13.1	15.9	2.8	121%	42.7	42.1	-0.6	99%	9.6	14.8	5.2	154%	20.5	25.0	4.5	122%
	Regional Average	13.8	17.5	3.7	127%	44.2	44.1	-0.1	100%	10.2	16.1	6.0	159%	21.5	25.7	4.2	120%
SOUTHERN REGION	ANNE ARUNDEL	13.4	18.7	5.3	140%	42.8	47.9	5.1	112%	9.9	17.3	7.4	175%	20.7	28.4	7.7	137%
	CALVERT	13.7	18.7	5.0	136%	44.1	48.9	4.8	111%	10.1	17.1	7.0	169%	21.3	28.6	7.3	134%
	CHARLES	13.2	17.6	4.4	133%	42.5	44.2	1.7	104%	9.7	16.5	6.8	170%	20.7	25.9	5.2	125%
	PRINCE GEORGES	13.4	17.2	3.8	128%	42.4	45.5	3.1	107%	9.8	16.1	6.3	164%	20.6	26.8	6.2	130%
	ST MARYS	13.6	17.9	4.3	132%	43.8	45.4	1.6	104%	10.0	16.3	6.3	163%	21.4	25.3	3.9	118%
	Regional Average	13.5	18.0	4.6	134%	43.1	46.4	3.3	108%	9.9	16.7	6.8	168%	20.9	27.0	6.1	129%
EASTERN REGION	CAROLINE	13.5	19.9	6.4	147%	43.4	53.9	10.5	124%	10.1	18.0	7.9	178%	21.3	29.5	8.2	138%
	DORCHESTER	59.8	65.7	5.9	110%	44.0	50.5	6.5	115%	10.2	17.9	7.7	175%	21.2	28.5	7.3	134%
	KENT	58.3	64.2	5.9	110%	43.5	49.6	6.1	114%	10.0	18.0	8.0	180%	21.2	28.4	7.2	134%
	QUEEN ANNES	59.0	64.7	5.7	110%	43.4	49.9	6.5	115%	10.1	17.6	7.5	174%	21.1	28.3	7.2	134%
	SOMERSET	57.3	62.6	5.3	109%	43.2	47.1	3.9	109%	9.9	16.7	6.8	169%	21.2	25.6	4.4	121%
	TALBOT	56.8	62.0	5.2	109%	43.8	47.7	3.9	109%	10.2	17.1	6.9	168%	21.4	26.8	5.4	125%
	WICOMICO	58.4	63.8	5.4	109%	44.0	49.7	5.7	113%	10.3	17.3	7.0	168%	21.6	28.4	6.8	131%
	WORCESTER	55.2	58.1	2.9	105%	44.3	44.1	-0.2	100%	10.5	15.2	4.7	145%	22.2	24.5	2.3	110%
Regional Average	52.3	57.6	5.3	110%	43.7	49.1	5.4	112%	10.2	17.2	7.1	169%	21.4	27.5	6.1	129%	
INDEPENDENT CITY OF BALTIMORE		14.6	18.8	4.2	129%	45.5	47.4	1.9	104%	10.7	17.3	6.6	162%	22.3	27.7	5.4	124%
Statewide Average		26.4	30.5	4.0	115%	43.6	45.6	2.0	105%	10.1	16.0	5.9	159%	21.1	26.0	4.9	123%

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2024 January 31

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)	[1]	903	95%-100%	Normal
Western	Savage River (near Barton)		183.2	90%-95%	Normal
Western	Wills Creek (near Cumberland)		786	85%-90%	Normal
Western	Marsh Run (at Grimes)		13.8	55%-60%	Normal
Central	Catoctin Creek (near Middletown)	[1]	174.8	80%-85%	Normal
Central	Monocacy (Jug Bridge near Frederick)		2,325	85%-90%	Normal
Central	Patuxent (near Unity)	[1]	92.1	90%-95%	Normal
Central	Deer Cr (at Rocks)	[1]	276.5	90%-95%	Normal
Eastern	Choptank (near Greensboro)		555.0	95%-100%	Normal
Eastern	Nassawango Creek (near Snow Hill)		186.0	95%-100%	Normal
	Susquehanna (at Marietta)		96,077	95%-100%	Normal
	Potomac (at Little Falls)(Adjusted)		22,934	80%-85%	Normal

Notes:

[1] Streamflow data missing due to ice

Ground Water Status for 31 January 2024			
Region	USGS Well ID	Well Level[1]	Status
Western	GA Bc 1	9.50	Normal
	AL Ah 1	2.93	Normal
	WA Be 2	27.04	Normal
	WA Bk 25	43.16	Normal
Central	BA Dc 444	41.19	Watch
	BA Ea 18	24.57	Normal
	HA Bd 31	4.08	Normal
	HA Ca 23	6.24	Normal
	MO Cc 14	23.04	Normal
Eastern	QA Cg 69	1.06	Normal
	WI Cg 20	3.82	Normal
	MC51-01	6.08	Normal
	SO Cf 2	0.88	Normal
Southern	CH Bg 12 (unconfined)	2.02	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

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2024-02-01
[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/>

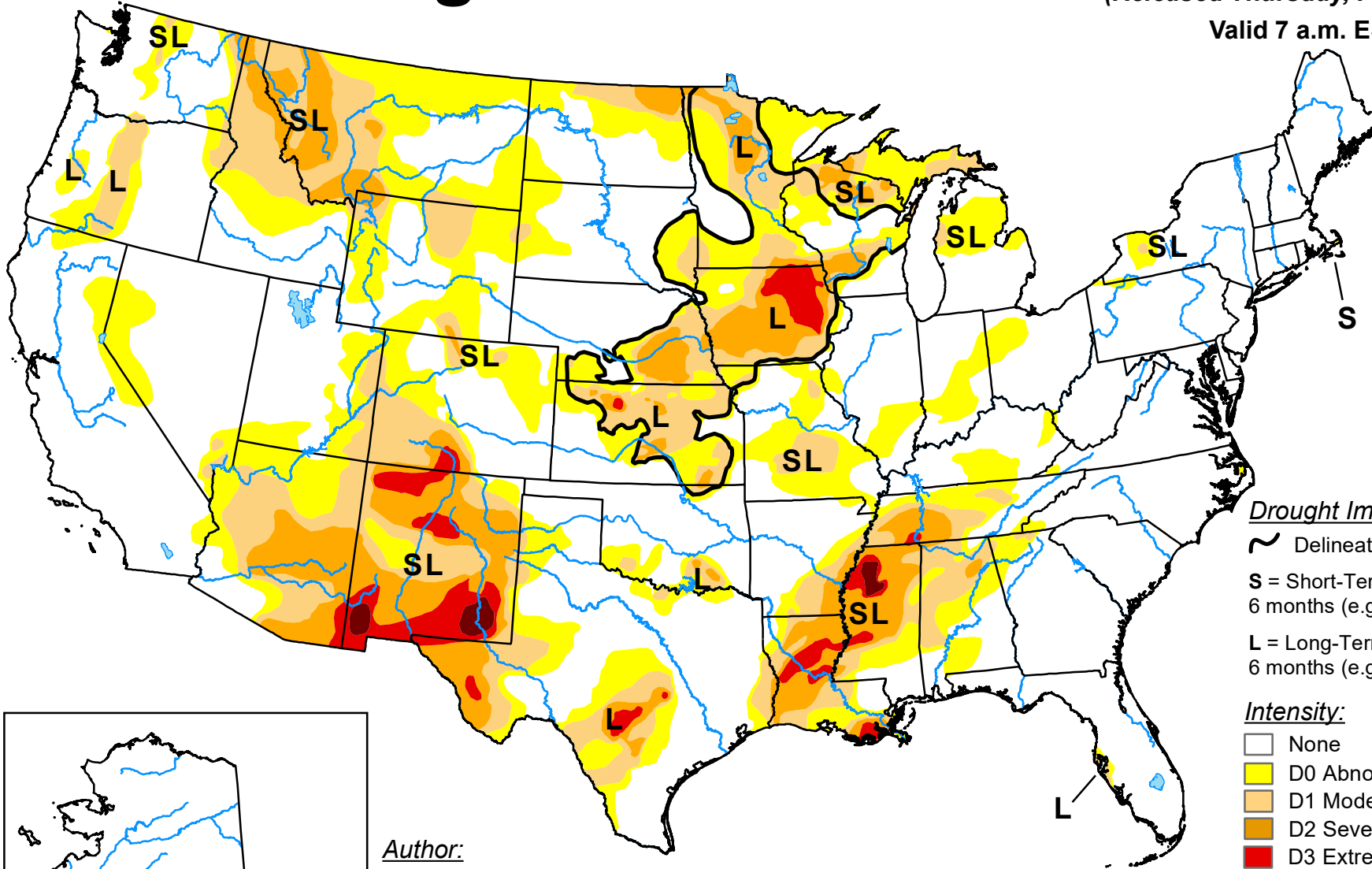
Data for other wells may be downloaded from:

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

U.S. Drought Monitor

January 30, 2024
(Released Thursday, Feb. 1, 2024)

Valid 7 a.m. EST

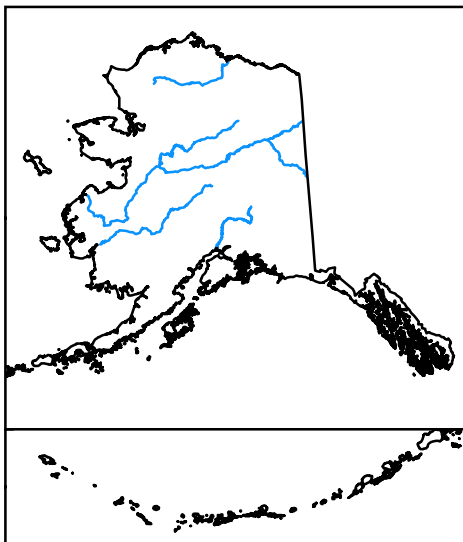


Drought Impact Types:

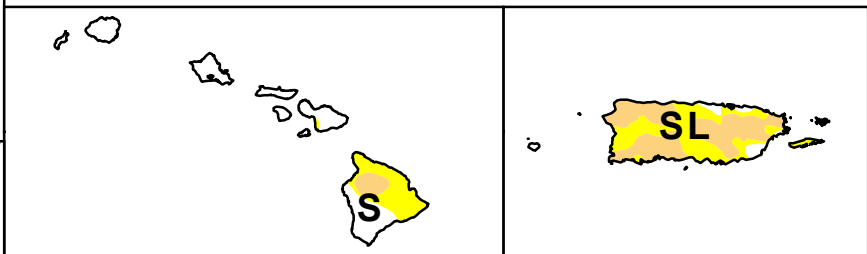
- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

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>



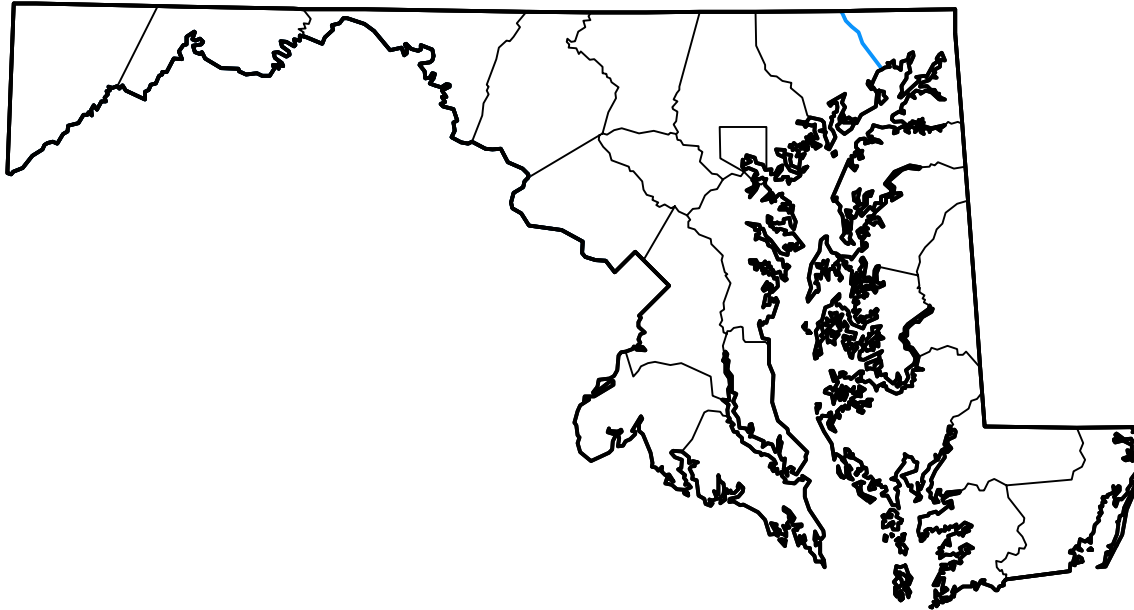
droughtmonitor.unl.edu

U.S. Drought Monitor Maryland

January 30, 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>01-23-2024</i>	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago <i>10-31-2023</i>	48.31	51.69	3.33	0.47	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>01-31-2023</i>	94.45	5.55	0.00	0.00	0.00	0.00



Intensity:



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