

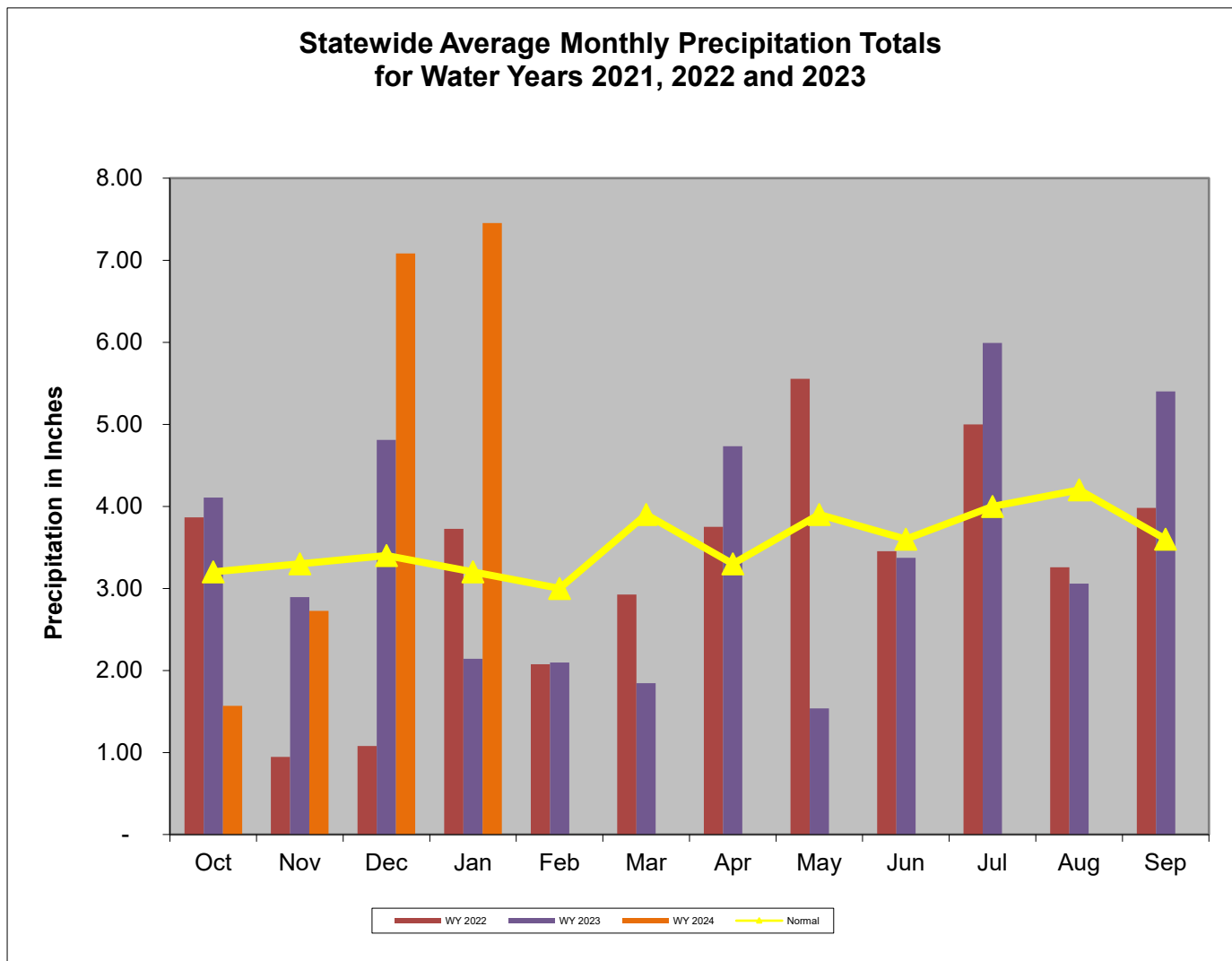
Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for 07 January 2024					
	Rainfall	Stream Flow	Groundwater	Reservoirs	Overall Status
Western	Normal	Normal	Watch	Normal	Watch
Central	Normal	Normal	Warning	Normal	Warning
Eastern	Normal	Normal	Normal		Normal
Southern	Normal		Normal		Normal

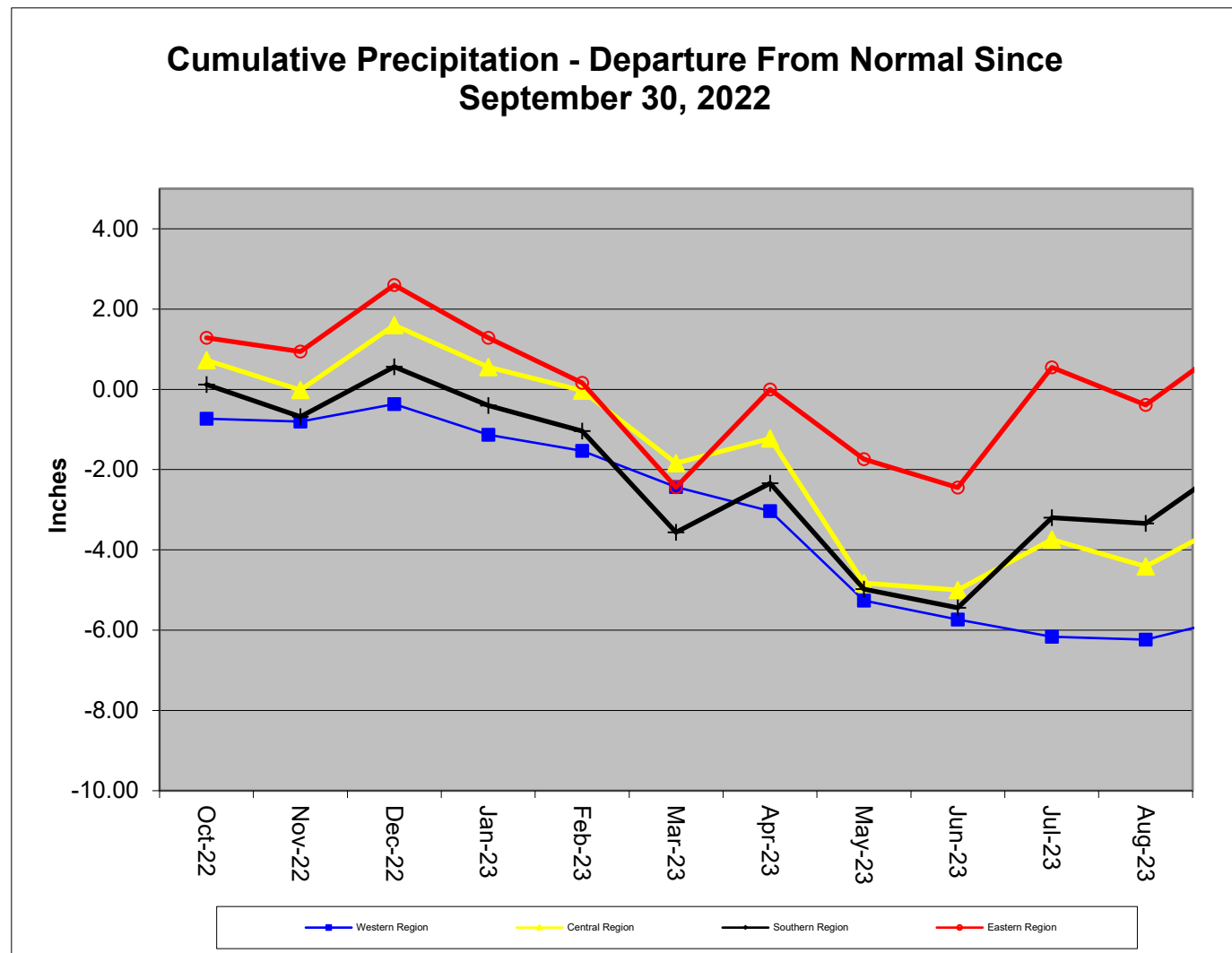
Notes: The WSSC Patuxent reservoirs have less than 120 days of water in storage. This is a result of dredging in the Triadelphia.

Precipitation Indicators for Maryland Drought Regions						
January 7, 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	93%	Normal	98%	Normal	87%	Normal
Central	129%	Normal	121%	Normal	101%	Normal
Eastern	158%	Normal	140%	Normal	118%	Normal
Southern	149%	Normal	139%	Normal	112%	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 07 January 2024 (WY 2024)**

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY ¹ To Date (Since September 30, 2023)				11.25 Months (Since December 30, 2022)				2.25 Months (Since September 30, 2023)				5.25 Months (Since June 30, 2023)			
REGION	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
	WESTERN REGION	ALLEGANY	11.6	10.7	-0.9	92%	39.2	34.1	-5.1	87%	8.8	8.8	-0.0	100%	18.3	17.8	-0.5
GARRETT		13.9	12.1	-1.8	87%	46.9	42.3	-4.6	90%	10.9	8.9	-2.0	82%	21.3	20.1	-1.2	94%
WASHINGTON		12.2	12.3	0.1	101%	39.9	33.4	-6.5	84%	9.1	10.8	1.7	119%	19.2	19.8	0.6	103%
Regional Average		12.6	11.7	-0.9	93%	42.0	36.6	-5.4	87%	9.6	9.5	-0.1	99%	19.6	19.2	-0.4	98%
CENTRAL REGION	BALTIMORE COUNTY	14.6	19.1	4.5	131%	45.5	47.7	2.2	105%	10.7	17.6	6.9	164%	22.3	28.0	5.7	126%
	CARROLL	13.7	16.3	2.6	119%	43.7	39.3	-4.4	90%	10.1	15.0	4.9	149%	21.4	23.6	2.2	110%
	CECIL	14.3	22.4	8.1	157%	45.2	53.3	8.1	118%	10.7	21.1	10.4	197%	22.3	30.6	8.3	137%
	FREDERICK	13.1	14.5	1.4	111%	42.3	37.1	-5.2	88%	9.7	13.0	3.3	134%	20.4	21.8	1.4	107%
	HARFORD	14.5	20.1	5.6	139%	45.8	49.2	3.4	107%	10.6	18.5	7.9	175%	22.6	28.5	5.9	126%
	HOWARD	14.1	17.5	3.4	124%	44.5	43.3	-1.2	97%	10.4	16.3	5.9	157%	21.5	25.9	4.4	120%
	MONTGOMERY	13.2	15.8	2.6	120%	42.8	42.0	-0.8	98%	9.7	14.7	5.0	152%	20.6	24.9	4.3	121%
	Regional Average	13.9	18.0	4.0	129%	44.3	44.6	0.3	101%	10.3	16.6	6.3	162%	21.6	26.2	4.6	121%
SOUTHERN REGION	ANNE ARUNDEL	13.5	20.4	6.9	151%	42.9	49.6	6.7	116%	10.0	19.0	9.0	190%	20.8	30.1	9.3	145%
	CALVERT	13.8	21.6	7.8	157%	44.2	51.8	7.6	117%	10.2	20.0	9.8	196%	21.4	31.5	10.1	147%
	CHARLES	13.3	19.9	6.6	150%	42.6	46.5	3.9	109%	9.8	18.8	9.0	192%	20.8	28.2	7.4	136%
	PRINCE GEORGES	13.5	18.5	5.0	137%	42.5	46.8	4.3	110%	9.9	17.4	7.5	176%	20.7	28.1	7.4	136%
	ST MARYS	13.7	20.8	7.1	152%	43.9	48.3	4.4	110%	10.1	19.2	9.1	190%	21.5	28.2	6.7	131%
	Regional Average	13.6	20.2	6.7	149%	43.2	48.6	5.4	112%	10.0	18.9	8.9	189%	21.0	29.2	8.2	139%
EASTERN REGION	CAROLINE	13.5	21.9	8.4	162%	43.4	55.9	12.5	129%	10.1	20.0	9.9	198%	21.3	31.5	10.2	148%
	DORCHESTER	59.7	68.6	8.9	115%	43.9	53.4	9.5	122%	10.1	20.8	10.7	206%	21.1	31.4	10.3	149%
	KENT	58.4	65.6	7.2	112%	43.6	51.0	7.4	117%	10.1	19.4	9.3	192%	21.3	29.8	8.5	140%
	QUEEN ANNES	59.2	66.2	7.0	112%	43.6	51.4	7.8	118%	10.3	19.1	8.8	185%	21.3	29.8	8.5	140%
	SOMERSET	57.1	66.0	8.9	116%	43.0	50.5	7.5	117%	9.7	20.1	10.4	207%	21.0	29.0	8.0	138%
	TALBOT	56.8	63.9	7.1	113%	43.8	49.6	5.8	113%	10.2	19.0	8.8	186%	21.4	28.7	7.3	134%
	WICOMICO	58.3	67.3	9.0	115%	43.9	53.2	9.3	121%	10.2	20.8	10.6	204%	21.5	31.9	10.4	148%
	WORCESTER	55.1	61.3	6.2	111%	44.2	47.3	3.1	107%	10.4	18.4	8.0	177%	22.1	27.7	5.6	125%
Regional Average	52.3	60.1	7.8	115%	43.7	51.5	7.9	118%	10.1	19.7	9.6	194%	21.4	30.0	8.6	140%	
INDEPENDENT CITY OF BALTIMORE		14.6	19.1	4.5	131%	45.5	47.7	2.2	105%	10.7	17.6	6.9	164%	22.3	28.0	5.7	126%
Statewide Average		26.5	31.7	5.3	120%	43.6	46.9	3.2	107%	10.1	17.3	7.2	171%	21.2	27.3	6.1	129%

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2024 January 07

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		274	20%-25%	Watch
Western	Savage River (near Barton)		54.3	30%-35%	Normal
Western	Wills Creek (near Cumberland)		164	25%-30%	Normal
Western	Marsh Run (at Grimes)		7.8	45%-50%	Normal
Central	Catoctin Creek (near Middletown)		45.1	25%-30%	Normal
Central	Monocacy (Jug Bridge near Frederick)		1,147	50%-55%	Normal
Central	Patuxent (near Unity)		55.2	70%-75%	Normal
Central	Deer Cr (at Rocks)		180.3	80%-85%	Normal
Eastern	Choptank (near Greensboro)		445.3	90%-95%	Normal
Eastern	Nassawango Creek (near Snow Hill)		201.0	95%-100%	Normal
	Susquehanna (at Marietta)		73,163	85%-90%	Normal
	Potomac (at Little Falls)(Adjusted)		8,634	35%-40%	Normal

Notes:

Ground Water Status for 07 January 2024			
Region	USGS Well ID	Well Level[1]	Status
Western	GA Bc 1	12.58 [3]	Normal
	AL Ah 1	3.34 [2]	Normal
	WA Be 2	34.48 [2]	Watch
	WA Bk 25	48.86 [2]	Watch
Central	BA Dc 444	43.03 [3]	Watch
	BA Ea 18	27.14 [2]	Emergency
	HA Bd 31	9.75 [2]	Normal
	HA Ca 23	6.91 [2]	Normal
	MO Cc 14	32.31 [2]	Normal
Eastern	QA Cg 69	1.65 [2]	Normal
	WI Cg 20	3.91 [2]	Normal
	MC51-01	8.23 [3]	Normal
	SO Cf 2	1.08 [3]	Normal
Southern	CH Bg 12 (unconfined)	2.44 [3]	Normal
	AA Cc 40 (confined)	NA[2]	Unknown
	CA Fd 54 (confined)	240.14	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 2024-01-09 [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:

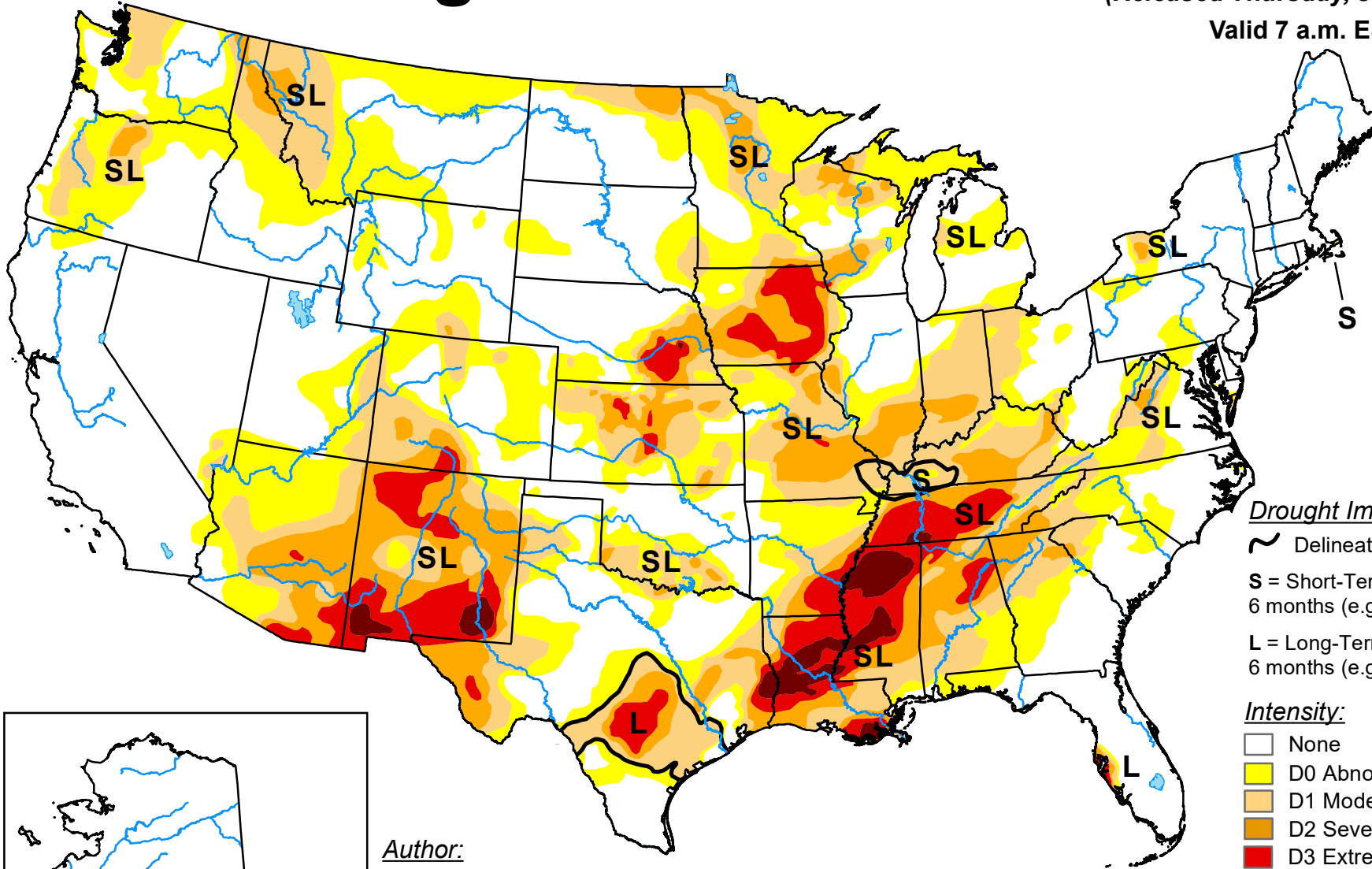
[USGS - NWIS Web Information for USA](http://www.usgs.gov/nwis)

U.S. Drought Monitor

January 2, 2024

(Released Thursday, Jan. 4, 2024)

Valid 7 a.m. EST

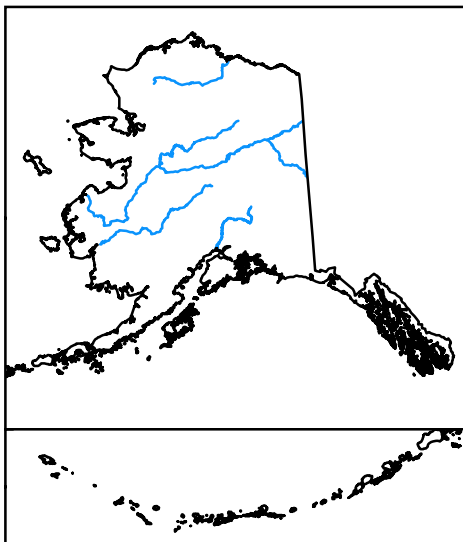


Drought Impact Types:

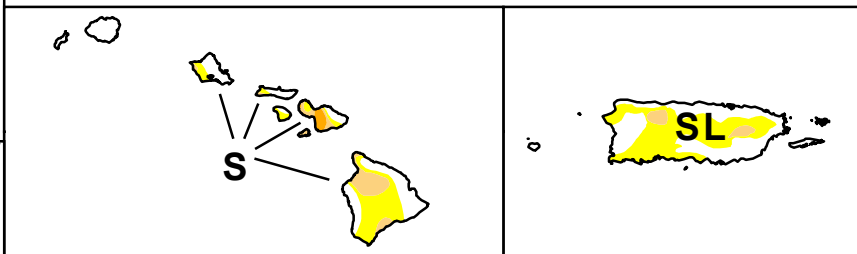
- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

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>



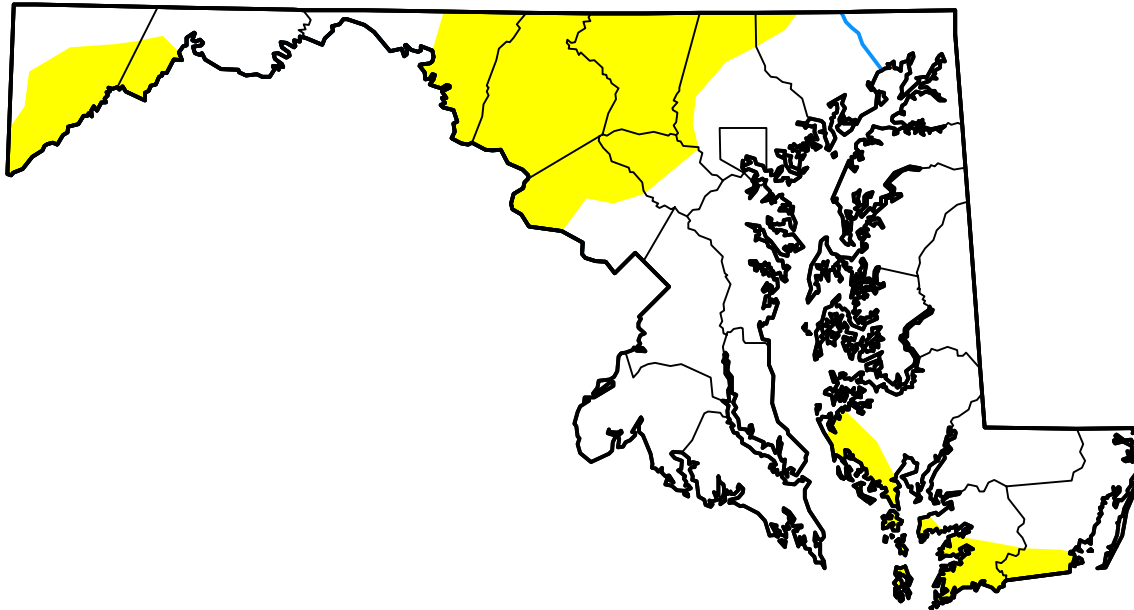
droughtmonitor.unl.edu

U.S. Drought Monitor Maryland

January 2, 2024
(Released Thursday, Jan. 4, 2024)
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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	70.35	29.65	0.00	0.00	0.00	0.00
Last Week <i>12-26-2023</i>	60.44	39.56	0.00	0.00	0.00	0.00
3 Months Ago <i>10-03-2023</i>	64.56	35.44	3.30	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>01-03-2023</i>	100.00	0.00	0.00	0.00	0.00	0.00



Intensity:



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