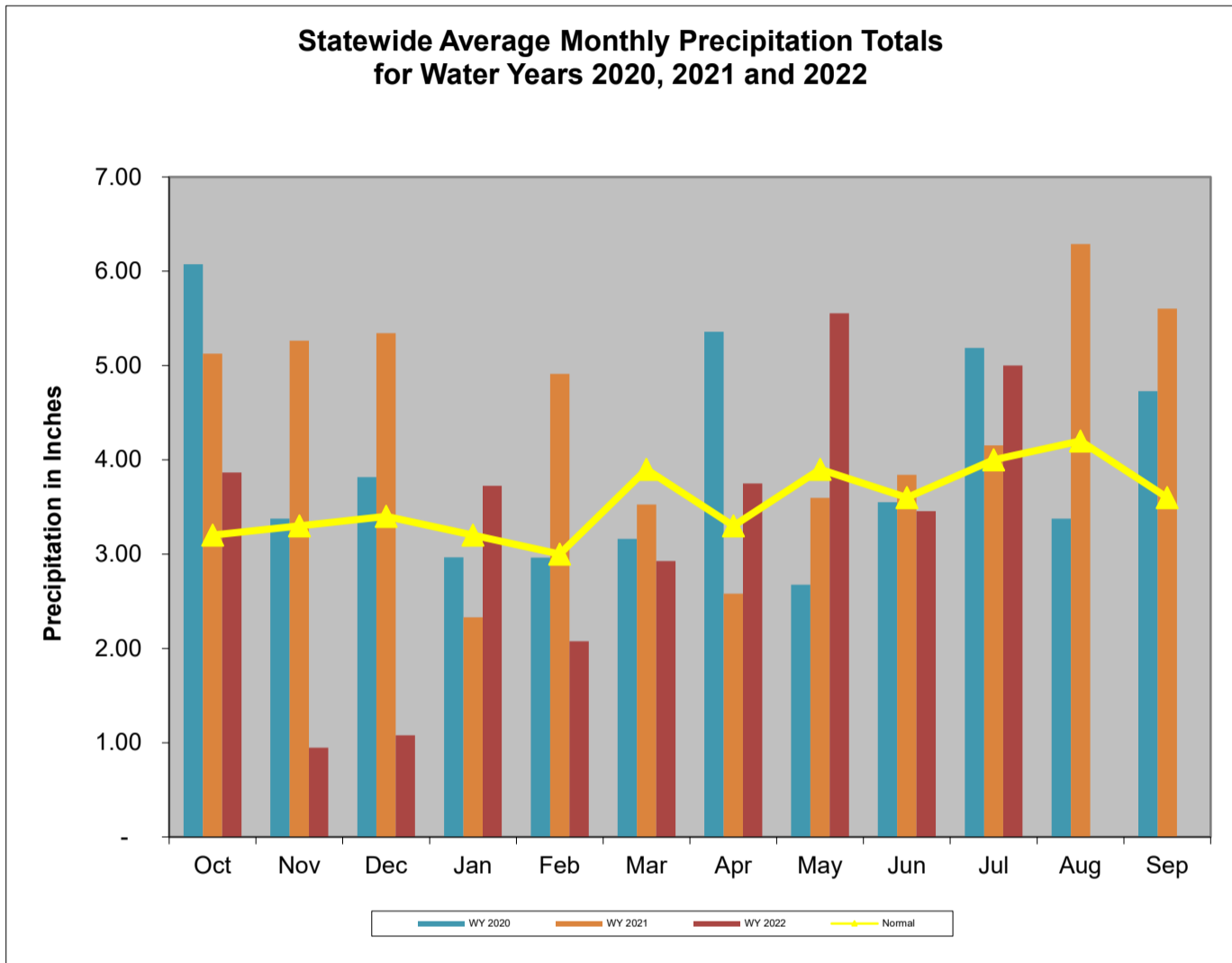


Overall Hydrologic Status for Maryland

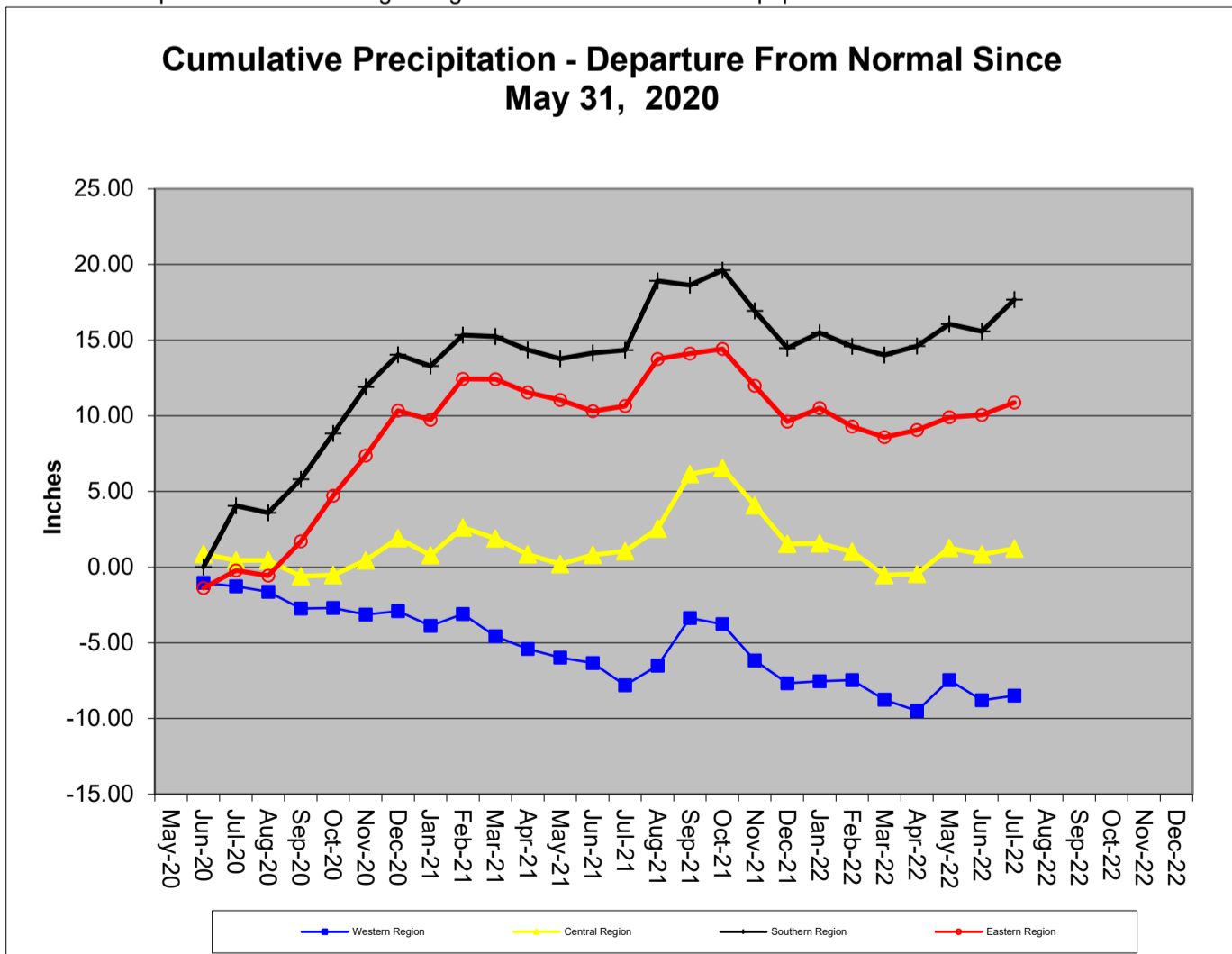
Summary of Hydrologic Indicators for 31-July-2022					
	Rainfall	Stream Flow	Groundwater	Reservoirs	Overall Status
Western	Normal	Normal	Normal	Normal	Normal
Central	Normal	Normal	Normal	Normal	Normal
Eastern	Normal	Normal	Watch		Normal
Southern	Normal		Normal		Normal

Precipitation Indicators for Maryland Drought Regions						
July 31, 2022						
	WY to Date		Since Jan 31, 2022		Since July 31, 2021	
Regions	Percent of Normal	Condition	Percent of Normal	Condition	Percent of Normal	Condition
Western	85%	Normal	96%	Normal	98%	Normal
Central	87%	Normal	98%	Normal	100%	Normal
Eastern	91%	Normal	102%	Normal	101%	Normal
Southern	97%	Normal	110%	Normal	108%	Normal

WY or Water Year begins on October 1



Data downloaded from http://www.weather.gov/marfc/Precipitation_Departures except for Garrett County, which was taken from <https://www.ncdc.noaa.gov/cag/divisional/time-series/1808/pcp/1/12/2019-2021> because MARFC data was



**Precipitation in Maryland Counties
as of 31 July 2022 (WY 2022)**

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY ¹ To Date (Since Sep 30, 2021)				12 Months (Since July 31, 2021)				3 Months (Since April 30, 2022)				6 Months (Since Jan 31, 2022)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	32.4	26.0	-6.4	80%	39.1	37.5	-1.6	96%	11.5	11.8	0.3	103%	20.9	19.1	-1.8	91%
	GARRETT	39.7	36.7	-3.0	92%	47.1	47.1	0.0	100%	14.4	15.3	0.9	106%	25.7	25.2	-0.5	98%
	WASHINGTON	32.8	26.8	-6.0	82%	39.8	39.3	-0.5	99%	11.3	13.1	1.8	116%	20.7	20.1	-0.6	97%
	Regional Average	35.0	29.8	-5.1	85%	42.0	41.3	-0.7	98%	12.4	13.4	1.0	108%	22.4	21.5	-1.0	96%
CENTRAL REGION	BALTIMORE COUNTY	37.9	32.1	-5.8	85%	45.6	44.3	-1.3	97%	12.5	13.9	1.4	111%	23.3	22.2	-1.1	95%
	CARROLL	35.8	29.2	-6.6	82%	43.5	42.3	-1.2	97%	12.0	12.7	0.7	106%	22.2	20.2	-2.0	91%
	CECIL	37.0	36.3	-0.7	98%	45.0	49.4	4.4	110%	12.4	15.5	3.1	125%	22.9	26.3	3.4	115%
	FREDERICK	35.0	26.3	-8.7	75%	42.3	40.4	-1.9	96%	11.9	11.9	-0.0	100%	22.0	18.8	-3.2	85%
	HARFORD	37.6	34.3	-3.3	91%	45.7	48.5	2.8	106%	12.7	15.4	2.7	121%	23.2	25.3	2.1	109%
	HOWARD	37.0	31.7	-5.3	86%	44.4	41.7	-2.7	94%	12.4	13.6	1.2	110%	23.0	21.3	-1.7	93%
	MONTGOMERY	35.2	31.2	-4.0	89%	42.6	43.7	1.1	103%	12.2	14.8	2.6	121%	22.2	22.3	0.1	100%
	Regional Average	36.5	31.6	-4.9	87%	44.2	44.3	0.2	100%	12.3	14.0	1.7	114%	22.7	22.3	-0.3	98%
SOUTHERN REGION	ANNE ARUNDEL	35.5	35.8	0.3	101%	42.8	46.5	3.7	109%	12.1	15.4	3.3	127%	22.1	25.0	2.9	113%
	CALVERT	36.5	34.0	-2.5	93%	44.1	45.9	1.8	104%	12.4	14.3	1.9	115%	22.8	23.4	0.6	103%
	CHARLES	35.0	33.2	-1.8	95%	42.5	46.8	4.3	110%	11.9	14.1	2.2	118%	21.8	23.2	1.4	106%
	PRINCE GEORGES	35.3	34.0	-1.3	96%	42.5	46.0	3.5	108%	12.0	14.2	2.2	118%	21.9	23.7	1.8	108%
	ST MARYS	35.9	36.4	0.5	101%	43.7	47.1	3.4	108%	12.0	17.7	5.7	148%	22.3	26.5	4.2	119%
	Regional Average	35.6	34.7	-1.0	97%	43.1	46.5	3.3	108%	12.1	15.1	3.1	125%	22.2	24.4	2.2	110%
EASTERN REGION	CAROLINE	35.8	33.6	-2.2	94%	43.6	45.2	1.6	104%	11.8	13.6	1.8	115%	22.2	23.8	1.6	107%
	DORCHESTER	36.3	31.6	-4.7	87%	43.9	41.0	-2.9	93%	12.2	14.3	2.1	117%	22.7	22.3	-0.4	98%
	KENT	35.8	31.6	-4.2	88%	43.5	42.6	-0.9	98%	12.0	13.1	1.1	109%	22.3	22.9	0.6	103%
	QUEEN ANNES	35.7	33.8	-1.9	95%	43.3	45.3	2.0	105%	11.9	13.8	1.9	116%	22.2	24.3	2.1	109%
	SOMERSET	35.1	29.2	-5.9	83%	43.2	41.3	-1.9	96%	11.3	11.7	0.4	104%	22.0	19.4	-2.6	88%
	TALBOT	36.3	34.9	-1.4	96%	44.0	45.6	1.6	104%	12.1	15.0	2.9	124%	22.6	25.2	2.6	112%
	WICOMICO	35.9	35.3	-0.6	98%	44.0	48.0	4.0	109%	11.5	14.9	3.4	130%	22.4	23.2	0.8	104%
	WORCESTER	36.0	30.9	-5.1	86%	44.3	42.6	-1.7	96%	11.3	12.2	0.9	108%	22.1	20.3	-1.8	92%
Regional Average	35.9	32.6	-3.3	91%	43.7	44.0	0.2	101%	11.8	13.6	1.8	115%	22.3	22.7	0.4	102%	
INDEPENDENT CITY OF BALTIMORE		37.9	32.1	-5.8	85%	45.6	44.3	-1.3	97%	12.5	13.9	1.4	111%	23.3	22.2	-1.1	95%
Statewide Average		36.0	32.4	-3.6	90%	43.6	44.3	0.7	102%	12.1	14.0	1.9	116%	22.5	22.8	0.3	101%

WY¹ - USGS Water Year, which begins October 1

Ground Water Status for 31 July 2022			
Region	USGS Well ID	Well Level[1]	Status
Western	GA Bc 1	14.16	Normal
	AL Ah 1	5.29	Normal
	WA Be 2	33.23	Normal
	WA Bk 25	47.65	Warning
Central	BA Dc 444	38.14	Normal
	BA Ea 18	22.22[2]	Normal
	HA Bd 31	9.66[2]	Normal
	HA Ca 23	6.77[2]	Normal
	MO Cc 14	34.96	Normal
Eastern	QA Cg 69	3.98	Normal
	WI Cg 20	6.95	Normal
	MC51-01	13.42	Watch
	SO Cf 2	5.39	Watch
Southern	CH Bg 12 (unconfined)	6.33	Normal
	AA Cc 40 (confined)	NA[2]	Unknown
	CA Fd 54 (confined)	239.73	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 2022-08-04 [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.water.usgs.gov/nwis/)

Stream Flow Status Based on Thirty Day Average for 2022-July-31

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		81	40%-45%	Normal
Western	Savage River (near Barton)		6.2	10%-15%	Watch
Western	Wills Creek (near Cumberland)		65	30%-35%	Normal
Western	Marsh Run (at Grimes)		8.3	45%-50%	Normal
Central	Catoctin Creek (near Middletown)		28.0	60%-65%	Normal
Central	Monocacy (Jug Bridge near Frederick)		340	50%-55%	Normal
Central	Patuxent (near Unity)		16.1	25%-30%	Normal
Central	Deer Cr (at Rocks)		86.2	40%-45%	Normal
Eastern	Choptank (near Greensboro)		46.0	50%-55%	Normal
Eastern	Nassawango Creek (near Snow Hill)		9.4	50%-55%	Normal
	Susquehanna (at Marietta)		7,851	20%-25%	Watch
	Potomac (at Little Falls)(Adjusted)		4,361	40%-45%	Normal

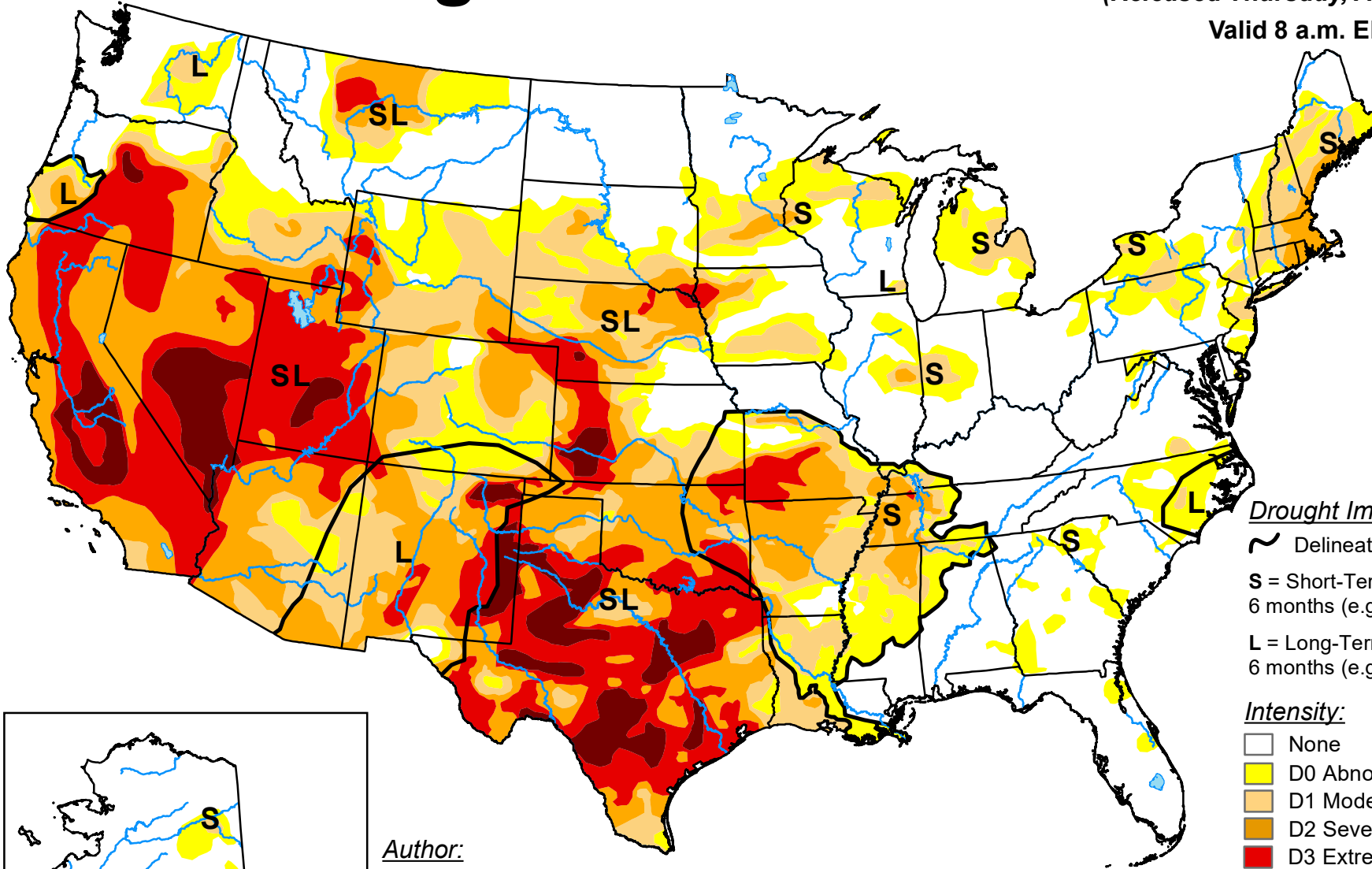
Notes:

U.S. Drought Monitor

August 2, 2022

(Released Thursday, Aug. 4, 2022)

Valid 8 a.m. EDT



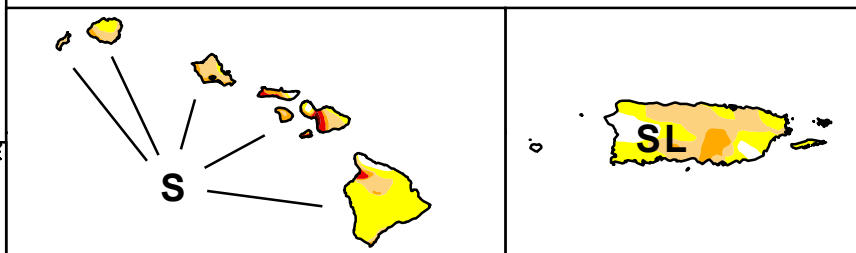
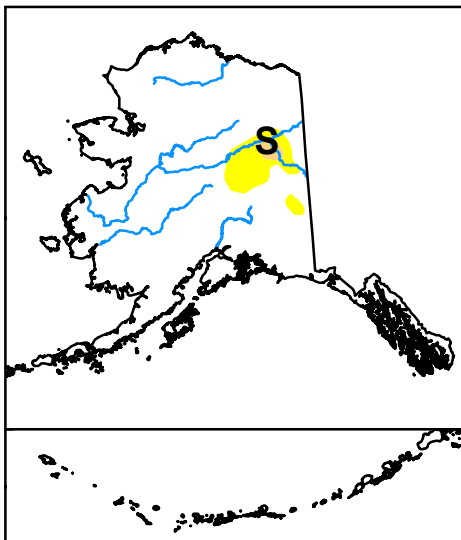
Drought Impact Types:

- 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:
Curtis Riganti
National Drought Mitigation Center



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

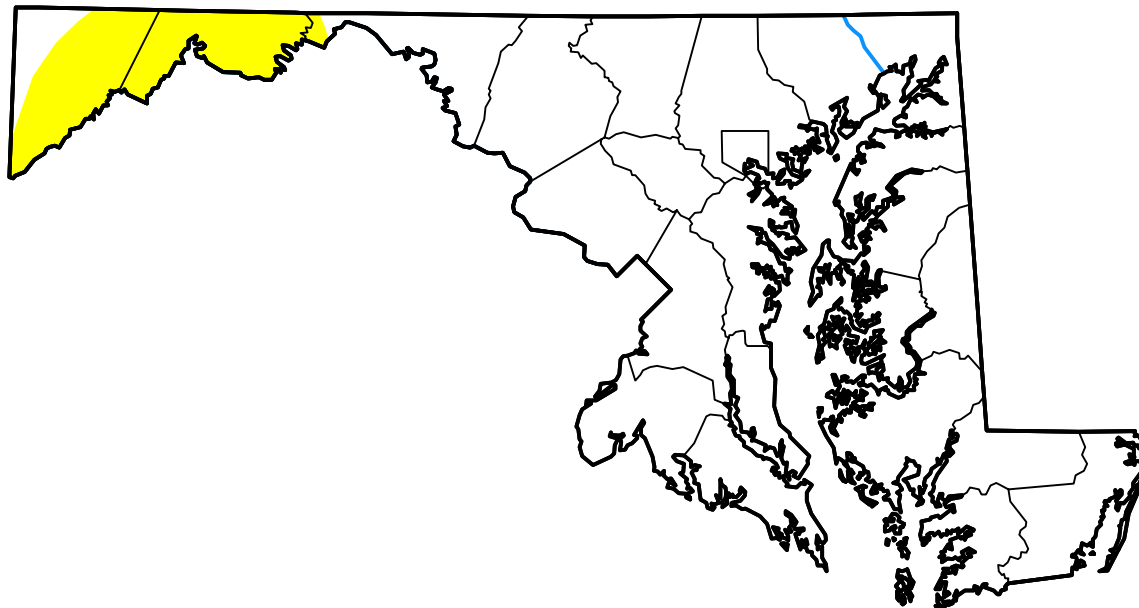
U.S. Drought Monitor

Maryland

August 2, 2022
 (Released Thursday, Aug. 4, 2022)
 Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	90.35	9.65	0.00	0.00	0.00	0.00
Last Week <i>07-26-2022</i>	90.35	9.65	0.00	0.00	0.00	0.00
3 Months Ago <i>05-03-2022</i>	39.09	60.91	2.78	0.00	0.00	0.00
Start of Calendar Year <i>01-04-2022</i>	55.15	44.85	0.00	0.00	0.00	0.00
Start of Water Year <i>09-28-2021</i>	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago <i>08-03-2021</i>	85.57	14.43	0.00	0.00	0.00	0.00



Intensity:



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>

Author:

Curtis Riganti
 National Drought Mitigation Center



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