

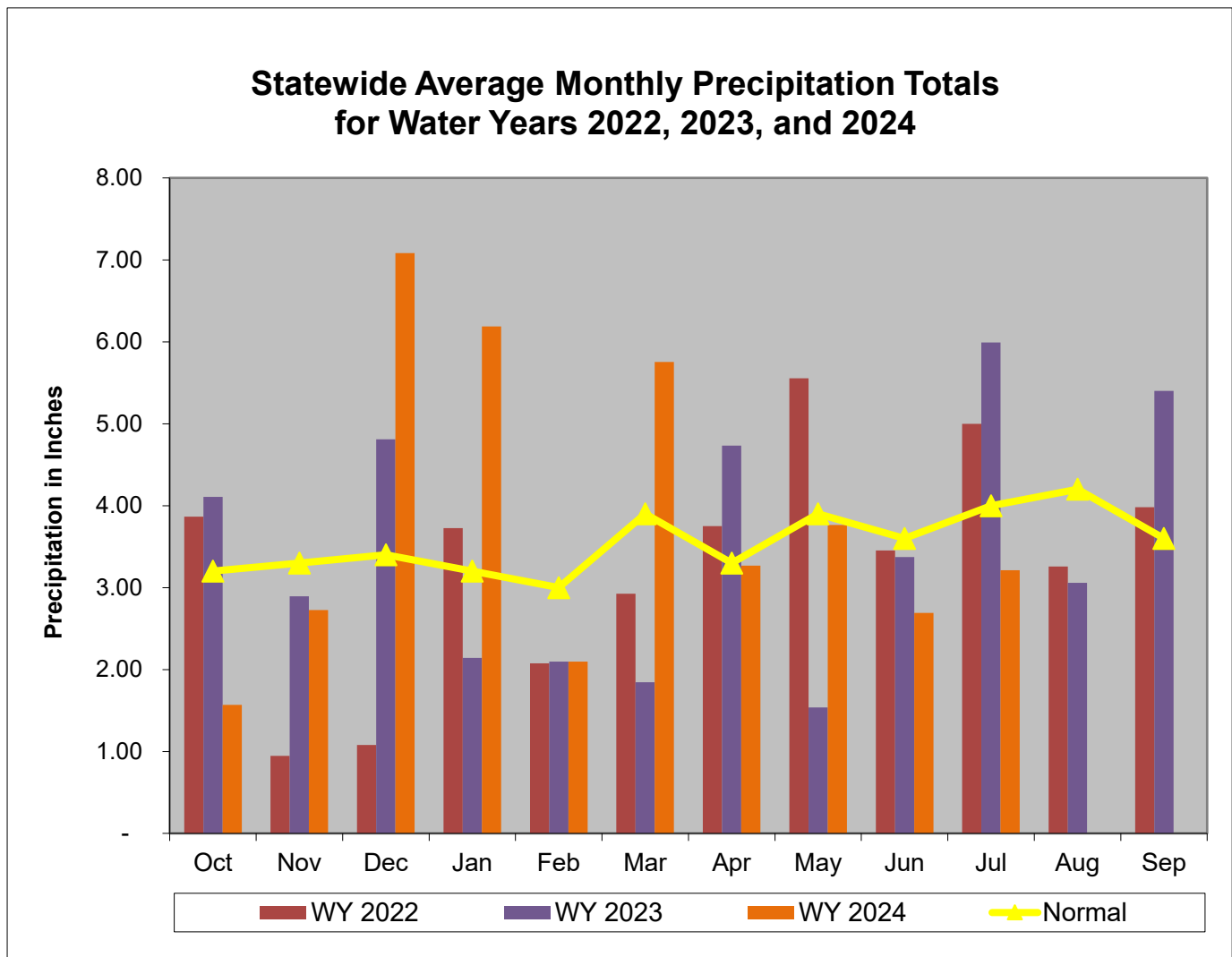
Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for 15 July 2024					
	Rainfall	Stream Flow	Groundwater	Reservoirs	Overall Status
Western	Normal	Warning	Watch	Normal	Watch
Central	Normal	Watch	Normal	Normal	Normal
Eastern	Normal	Normal	Watch		Watch
Southern	Normal		Watch		Normal

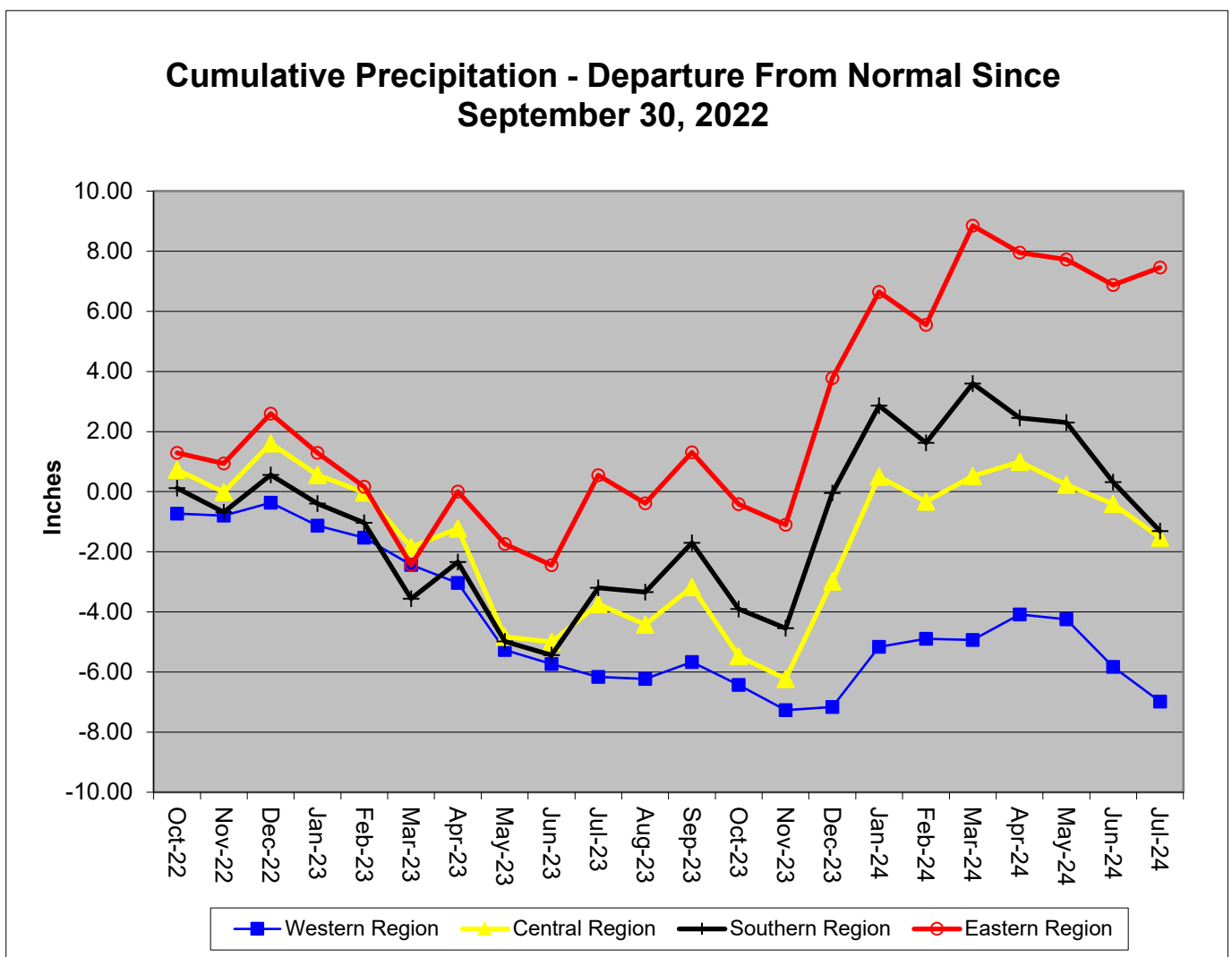
Notes: Some Groundwater Level Measurements are not available for the mid-month monitoring

Precipitation Indicators for Maryland Drought Regions						
July 15, 2024						
	Since Sept 30, 2023		Since Jan 31, 2024		Since July 31, 2023	
Regions	Percent of Normal	Condition	Percent of Normal	Condition	Percent of Normal	Condition
Western	96%	Normal	92%	Normal	98%	Normal
Central	104%	Normal	91%	Normal	105%	Normal
Eastern	117%	Normal	104%	Normal	116%	Normal
Southern	101%	Normal	81%	Normal	104%	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 15 July 2024 (WY 2024)**

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY ¹ To Date (Since September 30, 2023)				11.5 Months (Since July 31, 2023)				2.5 Months (Since April 30, 2024)				5.5 Months (Since January 31, 2024)			
REGION	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
	WESTERN REGION	ALLEGANY	32.6	29.5	-3.0	91%	39.3	36.6	-2.6	93%	11.5	6.6	-4.8	58%	21.1	17.8	-3.2
GARRETT		39.4	38.4	-1.0	98%	46.8	46.4	-0.4	99%	14.1	9.1	-4.9	65%	25.4	24.0	-1.4	95%
WASHINGTON		33.0	33.0	0.0	100%	40.0	40.5	0.5	101%	11.2	12.2	1.1	110%	20.9	20.0	-0.9	96%
Regional Average		35.0	33.6	-1.3	96%	42.0	41.2	-0.8	98%	12.2	9.3	-2.9	76%	22.4	20.6	-1.8	92%
CENTRAL REGION	BALTIMORE COUNTY	37.6	39.3	1.7	105%	45.3	48.2	2.9	106%	12.1	8.8	-3.2	73%	23.0	20.5	-2.5	89%
	CARROLL	35.7	34.8	-0.9	97%	43.4	42.1	-1.3	97%	11.8	8.4	-3.4	71%	22.1	19.1	-3.0	86%
	CECIL	36.7	46.6	10.0	127%	44.7	54.8	10.2	123%	12.1	13.0	0.9	108%	22.6	26.1	3.6	116%
	FREDERICK	35.1	34.7	-0.4	99%	42.4	42.0	-0.4	99%	11.9	9.3	-2.6	79%	22.1	19.9	-2.2	90%
	HARFORD	37.4	41.9	4.4	112%	45.5	50.3	4.7	110%	12.4	10.2	-2.2	83%	23.0	22.0	-1.1	95%
	HOWARD	37.0	36.0	-1.0	97%	44.4	44.4	0.0	100%	12.3	8.9	-3.4	72%	23.0	19.1	-3.9	83%
	MONTGOMERY	35.3	33.0	-2.3	93%	42.7	42.1	-0.6	99%	12.1	8.2	-3.9	68%	22.2	17.1	-5.1	77%
	Regional Average	36.4	38.0	1.6	104%	44.1	46.3	2.2	105%	12.1	9.6	-2.5	79%	22.6	20.5	-2.0	91%
SOUTHERN REGION	ANNE ARUNDEL	35.4	36.0	0.6	102%	42.7	45.7	3.0	107%	11.8	7.2	-4.6	61%	22.0	17.3	-4.7	79%
	CALVERT	36.5	36.2	-0.3	99%	44.1	46.1	2.0	104%	12.3	7.4	-4.8	61%	22.8	17.5	-5.3	77%
	CHARLES	35.0	35.3	0.3	101%	42.5	43.6	1.1	103%	11.8	8.0	-3.8	68%	21.8	17.7	-4.1	81%
	PRINCE GEORGES	35.2	32.8	-2.4	93%	42.4	42.4	-0.0	100%	11.8	6.6	-5.2	56%	21.8	15.6	-6.2	71%
	ST MARYS	35.8	39.5	3.7	110%	43.6	46.9	3.3	108%	11.7	11.3	-0.4	97%	22.2	21.6	-0.6	97%
	Regional Average	35.6	35.9	0.4	101%	43.0	44.9	1.9	104%	11.9	8.1	-3.8	68%	22.1	17.9	-4.2	81%
EASTERN REGION	CAROLINE	35.4	42.5	7.1	120%	43.2	52.1	8.9	120%	11.5	10.7	-0.8	93%	21.9	22.6	0.7	103%
	DORCHESTER	82.5	86.8	4.4	105%	43.9	49.6	5.8	113%	12.0	10.3	-1.7	86%	22.7	21.1	-1.6	93%
	KENT	80.4	87.3	6.9	109%	43.3	51.5	8.2	119%	11.7	11.0	-0.7	94%	22.1	23.1	1.0	105%
	QUEEN ANNES	81.0	86.6	5.6	107%	43.1	50.2	7.1	117%	11.6	10.4	-1.2	90%	22.0	21.9	-0.1	100%
	SOMERSET	78.9	89.8	10.9	114%	42.8	52.8	10.0	123%	10.8	14.8	4.0	136%	21.6	27.2	5.6	126%
	TALBOT	79.2	83.6	4.4	106%	43.8	48.4	4.6	110%	11.8	10.4	-1.5	88%	22.4	21.6	-0.8	96%
	WICOMICO	80.6	85.8	5.2	106%	43.8	50.4	6.6	115%	11.4	7.9	-3.5	69%	22.2	22.0	-0.2	99%
	WORCESTER	77.0	81.8	4.8	106%	44.0	48.2	4.2	110%	10.9	12.3	1.5	113%	21.8	23.7	1.9	109%
Regional Average	74.4	80.5	6.1	108%	43.5	50.4	6.9	116%	11.5	11.0	-0.5	96%	22.1	22.9	0.8	104%	
INDEPENDENT CITY OF BALTIMORE		37.6	39.3	1.7	105%	45.3	48.2	2.9	106%	12.1	8.8	-3.2	73%	23.0	20.5	-2.5	89%
Statewide Average		48.8	51.3	2.5	105%	43.4	46.8	3.4	108%	11.9	9.7	-2.2	82%	22.3	20.8	-1.5	93%

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2024 July 15

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		34.5	10%-15%	Watch
Western	Savage River (near Barton)		4.3	0%-5%	Emergency
Western	Wills Creek (near Cumberland)		38	0%-5%	Emergency
Western	Marsh Run (at Grimes)		8.9	40%-45%	Normal
Central	Catoctin Creek (near Middletown)		15.5	20%-25%	Watch
Central	Monocacy (Jug Bridge near Frederick)		185	10%-15%	Watch
Central	Patuxent (near Unity)		11.4	10%-15%	Watch
Central	Deer Cr (at Rocks)		74.5	20%-25%	Watch
Eastern	Choptank (near Greensboro)		25.6	25%-30%	Normal
Eastern	Nassawango Creek (near Snow Hill)		10.569	45%-50%	Normal
	Susquehanna (at Marietta)		12,127	25%-30%	Normal
	Potomac (at Little Falls)(Adjusted)		2,538	5%-10%	Warning

Notes:

Ground Water Status for 15 July 2024			
Region	USGS Well ID	Well Level[1]	Status
Western	GA Bc 1	16.07 [2]	Watch
	AL Ah 1	4.94 [2]	Normal
	WA Be 2	39.02 [2]	Normal
	WA Bk 25	48.67 [3]	Emergency
Central	BA Dc 444	38.44 [3]	Normal
	BA Ea 18	20.63 [2]	Normal
	CL Ad 47	4.00 [3]	Normal
	Fr Bd 96	28.1 [2]	Warning
	Fr Df 35	55.62 [2]	Normal
	HA Bd 31	8.92 [2]	Normal
	HA Ca 23	5.89 [2]	Normal
	MO Cc 14	32.89 [2]	Normal
Eastern	QA Cg 69	4.13 [2]	Normal
	WI Cg 20	7.42 [2]	Emergency
	MC51-01	12.77 [3]	Normal
	SO Cf 2	5.03 [3]	Normal
Southern	CH Bg 12 (unconfined)	7.68	Watch
	CA Fd 54 (confined)	242.05	On Trend[4]

[1] - Measurement of water level as feet below land surface
 [2] - Not Available as of 2024-07-18
 [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.

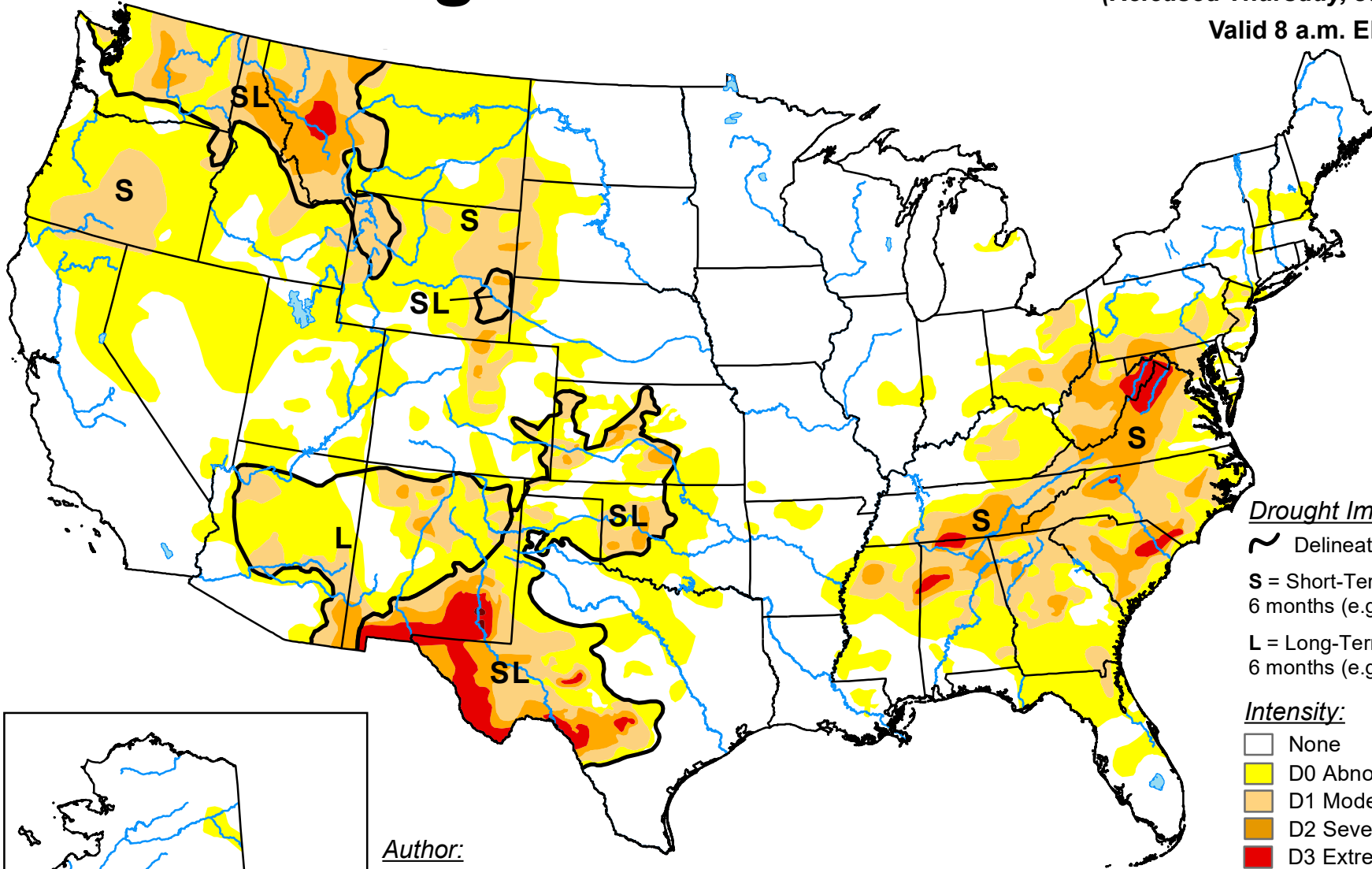
Selected ground water levels are available from USGS at:
<http://md.water.usgs.gov/groundwater/>
 Data for other wells may be downloaded from:
[USGS - NWIS Web Information for USA](http://www.usgs.gov/nwis)

U.S. Drought Monitor

July 16, 2024

(Released Thursday, Jul. 18, 2024)

Valid 8 a.m. EDT



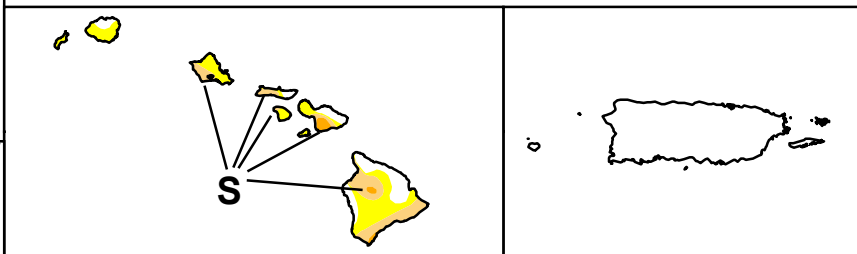
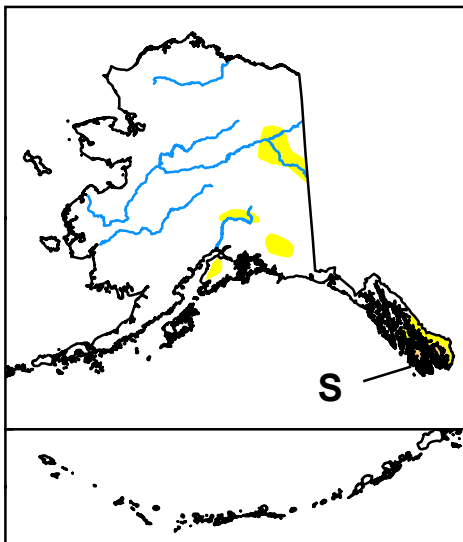
Drought Impact Types:

- ~ 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

Author:
Brian Fuchs
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

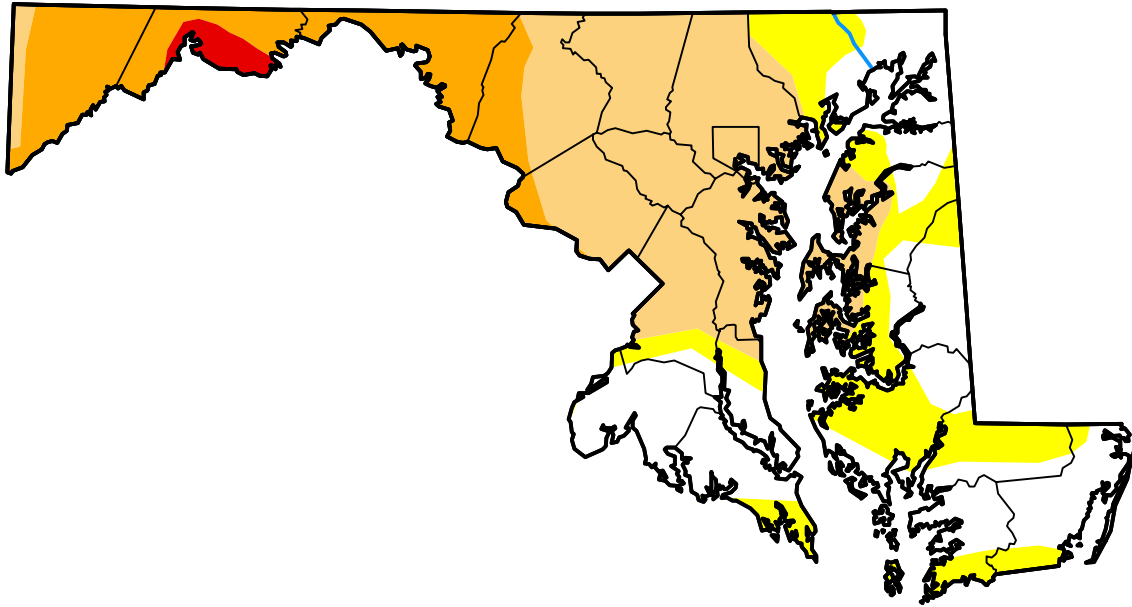
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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	29.30	70.70	53.17	18.05	1.47	0.00
Last Week <i>07-09-2024</i>	5.47	94.53	42.36	12.40	0.00	0.00
3 Months Ago <i>04-16-2024</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>07-18-2023</i>	41.45	58.55	33.22	11.33	0.00	0.00



Intensity:



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