

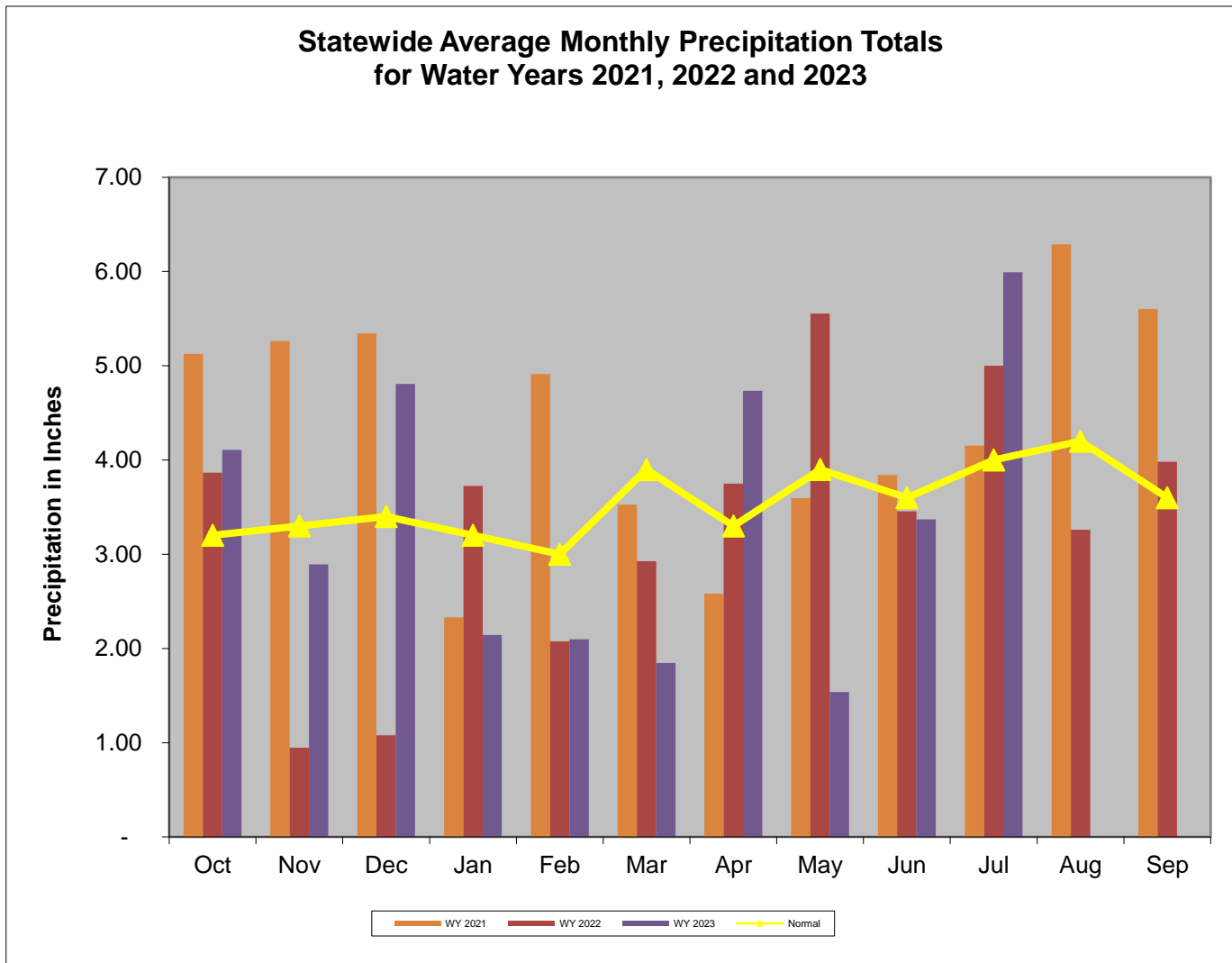
Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for 31-July 2023					
	Rainfall	Stream Flow	Groundwater	Reservoirs	Overall Status
Western	Watch	Normal	Warning	Normal	Watch
Central	Normal	Watch	Watch	Normal	Watch
Eastern	Normal	Normal	Normal		Normal
Southern	Normal		Normal		Normal

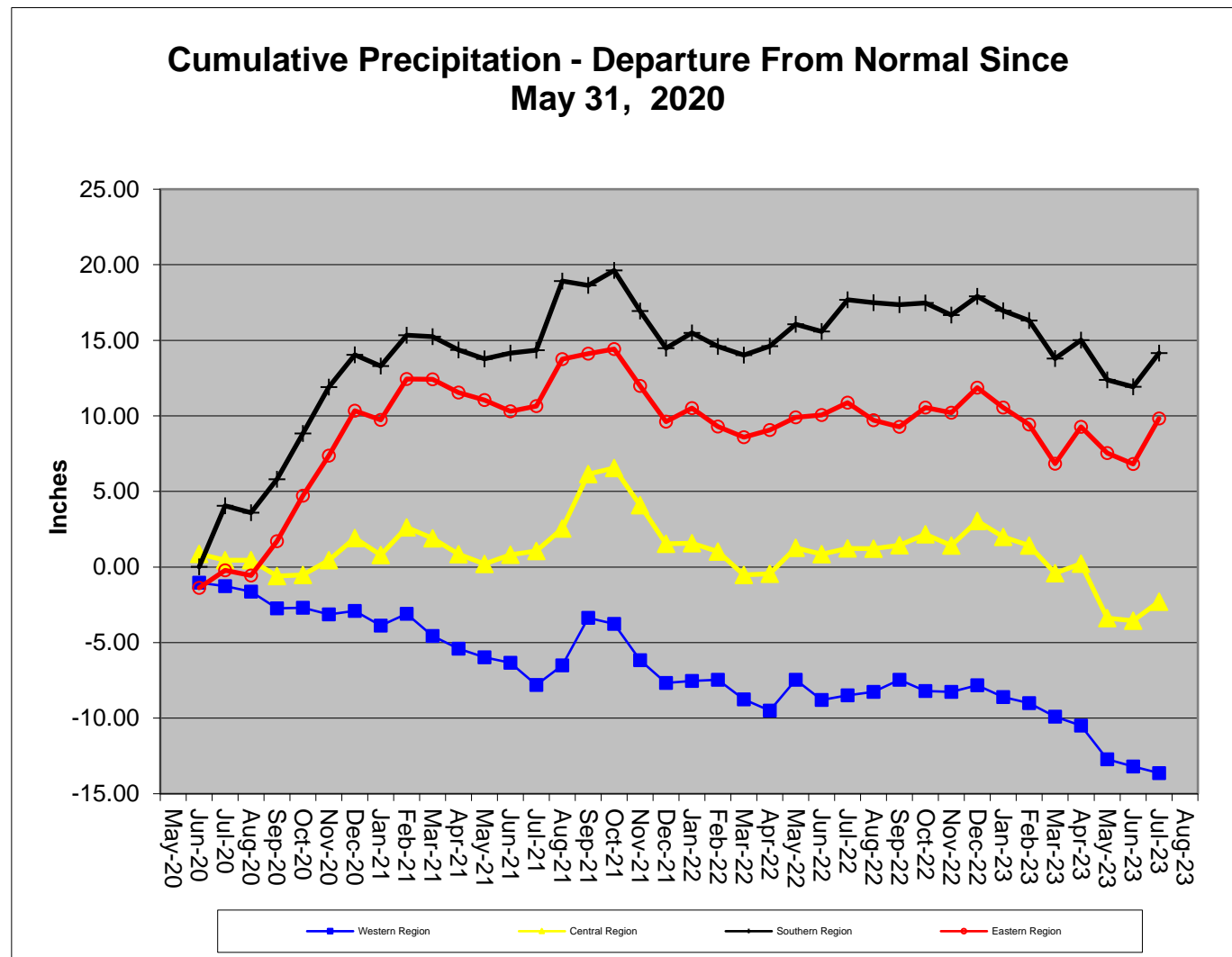
Notes: Reservoir data for Western MD for the month of July was not available as of 8/2/2023

Precipitation Indicators for Maryland Drought Regions						
July 31, 2023						
	WY to Date		Since Jan 31, 2023		Since July 31, 2022	
Regions	Percent of Normal	Condition	Percent of Normal	Condition	Percent of Normal	Condition
Western	83%	Watch	78%	Watch	88%	Normal
Central	90%	Normal	81%	Normal	92%	Normal
Eastern	102%	Normal	97%	Normal	98%	Normal
Southern	91%	Normal	87%	Normal	92%	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 wa



Stream Flow Status Based on Thirty Day Average for 2023 July 31

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		109	50%-55%	Normal
Western	Savage River (near Barton)		10.0	30%-35%	Normal
Western	Wills Creek (near Cumberland)		82.7	55%-60%	Normal
Western	Marsh Run (at Grimes)		5.1	20%-25%	Watch
Central	Catoctin Creek (near Middletown)		11.8	20%-25%	Watch
Central	Monocacy (Jug Bridge near Frederick)		125	5%-10%	Warning
Central	Patuxent (near Unity)		10.7	10%-15%	Watch
Central	Deer Cr (at Rocks)		94.0	50%-55%	Normal
Eastern	Choptank (near Greensboro)		87.2	75%-80%	Normal
Eastern	Nassawango Creek (near Snow Hill)		38.2	80%-85%	Normal
	Susquehanna (at Marietta)		22,358	75%-80%	Normal
	Potomac (at Little Falls)(Adjusted)		3,585	30%-35%	Watch

Notes:

Ground Water Status for the End of July 2023				
Region	USGS Well ID	Well Level[1]	Status	Regional Status
Western	GA Bc 1	14.22	Normal	Warning
	AL Ah 1	4.84	Normal	
	WA Be 2	34.80	Emergency	
	WA Bk 25	49.63	Emergency	
Central	BA Dc 444	40.85	Warning	Watch
	BA Ea 18	25.39	Emergency	
	HA Bd 31	8.84	Normal	
	HA Ca 23	7.02	Normal	
	MO Cc 14	37.89	Watch	
Eastern	QA Cg 69	3.75	Normal	Normal
	WI Cg 20	6.27	Normal	
	MC51-01	11.15	Normal	
	SO Cf 2	0.62	Normal	
Southern	CH Bg 12 (unconfined)	6.29	Normal	Normal
	AA Cc 40 (confined)	[2]	Unknown	
	CA Fd 54 (confined)	241.61	On Trend[4]	
	CH Dd 33 (confined)	[2]	Unknown	
	PG De 21 (confined)	[2]	Unknown	
	SM Fg 45 (confined)	[2]	Unknown	
<p>[1] - Measurement of water level as feet below land surface [2] - January values not available as of 2021-Feb-18 at 15:00 AM [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/>

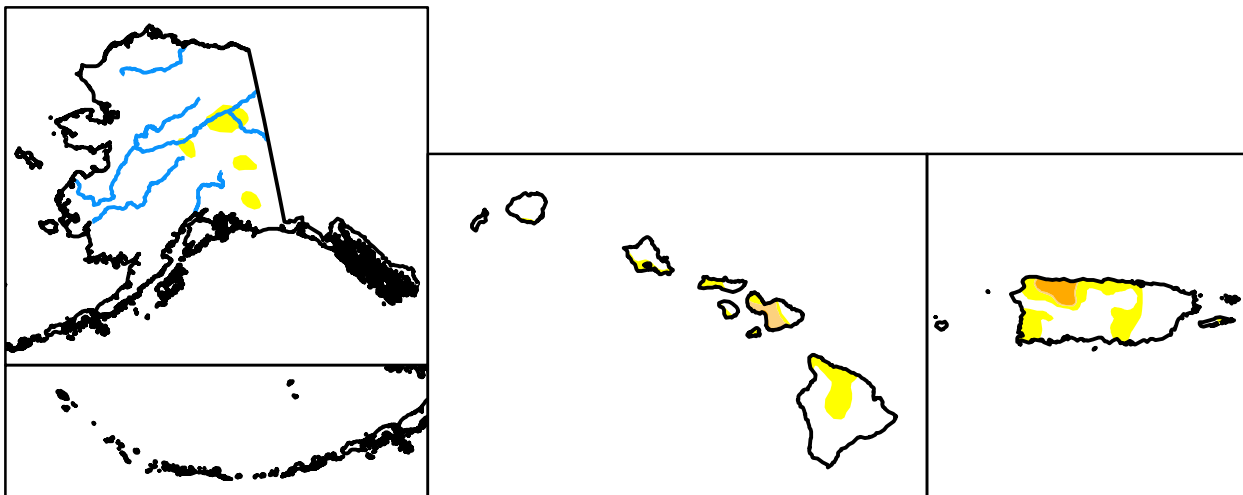
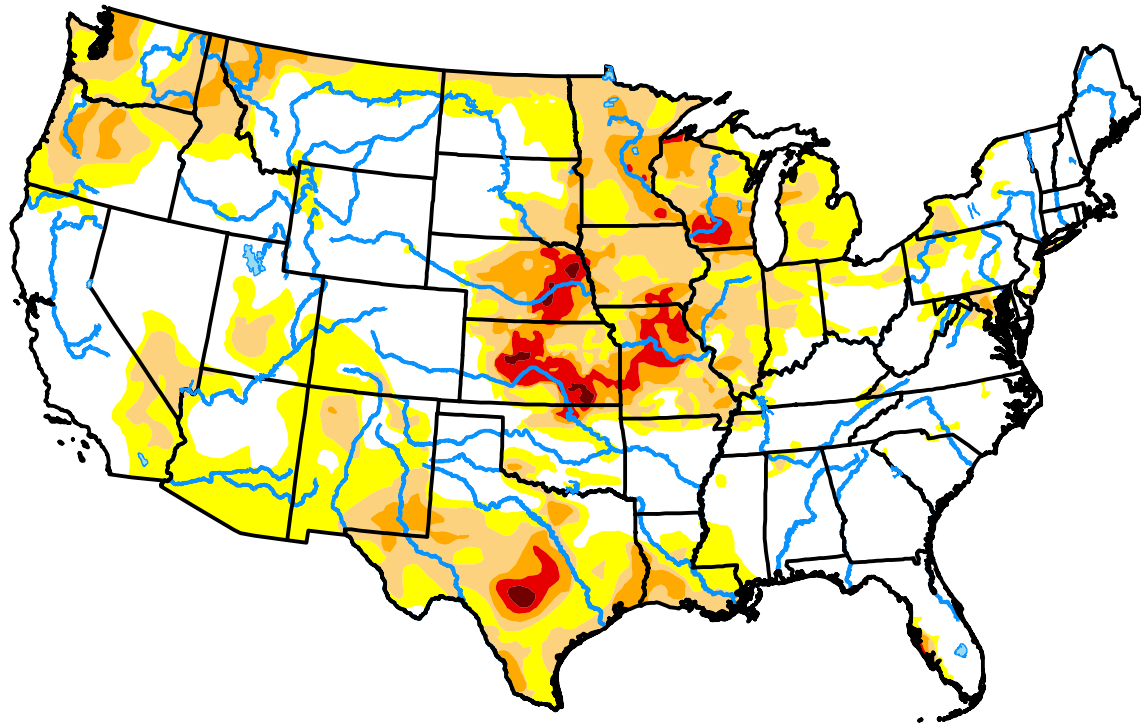
Data for other wells may be downloaded from:

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

U.S. Drought Monitor

U.S. States and Puerto Rico

July 25, 2023
 (Released Thursday, Jul. 27, 2023)
 Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	57.19	42.81	22.68	8.18	2.19	0.22
Last Week <i>07-18-2023</i>	58.38	41.62	21.60	7.14	2.23	0.29
3 Months Ago <i>04-25-2023</i>	61.48	38.52	21.37	10.02	4.99	1.88
Start of Calendar Year <i>01-03-2023</i>	41.85	58.15	38.67	21.93	8.24	1.55
Start of Water Year <i>09-27-2022</i>	36.92	63.08	42.65	25.36	10.45	2.14
One Year Ago <i>07-26-2022</i>	39.59	60.41	43.61	31.00	16.39	3.71

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>

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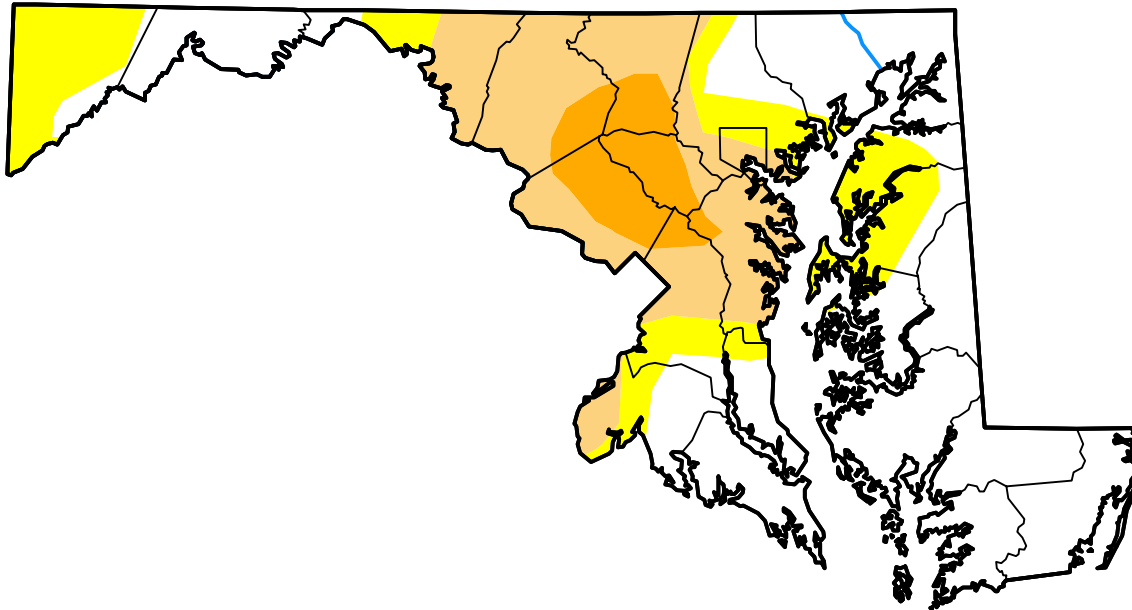
droughtmonitor.unl.edu

U.S. Drought Monitor Maryland

July 25, 2023
(Released Thursday, Jul. 27, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	49.67	50.33	31.99	8.38	0.00	0.00
Last Week <i>07-18-2023</i>	41.45	58.55	33.22	11.33	0.00	0.00
3 Months Ago <i>04-25-2023</i>	3.00	97.00	62.98	0.00	0.00	0.00
Start of Calendar Year <i>01-03-2023</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>09-27-2022</i>	65.82	34.18	6.75	0.00	0.00	0.00
One Year Ago <i>07-26-2022</i>	90.35	9.65	0.00	0.00	0.00	0.00



Intensity:



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