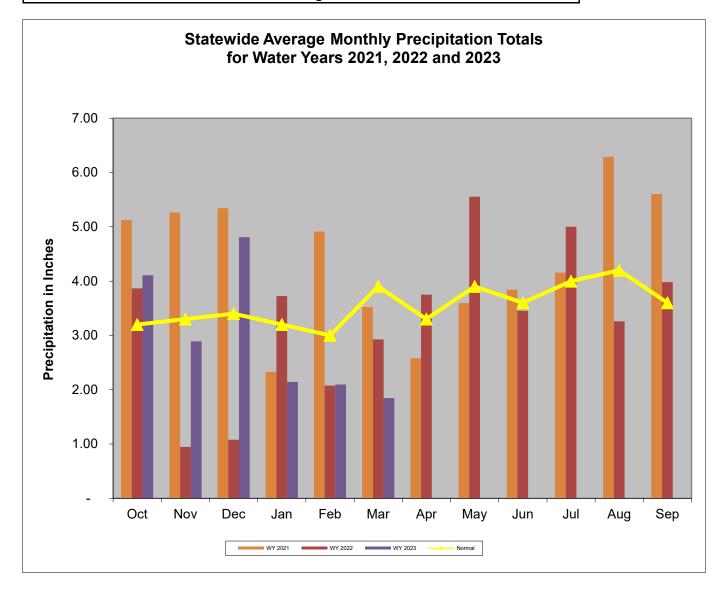
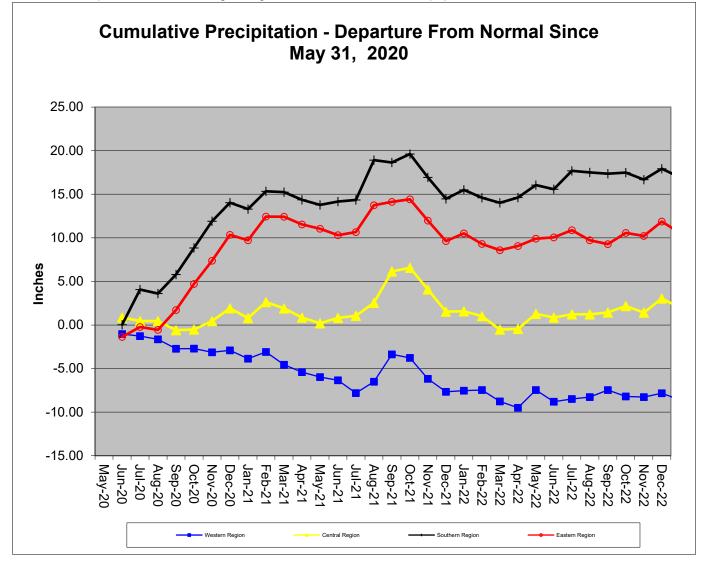
Overall Hydrologic Status for Maryland

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

Precipitation Indicators for Maryland Drought Regions										
March 31, 2023										
WY to DateSince Sept 30, 2022Since March 31, 2022										
	Percent of		Percent of	Percent of						
Regions	Normal	Condition	Normal	Condition	Normal	Condition				
Western	87%	Normal	87%	Normal	97%	Normal				
Central	91%	Normal	91%	Normal	100%	Normal				
Eastern	88%	Normal	88%	Normal	96%	Normal				
Southern	82%	Normal	82%	Normal	99%	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



Precipitation in Maryland Counties as of 31 March 2023 (WY 2023)																	
Normal Rainfall, Actual Rainfall and Rainfall Depa																	
		WY ¹ To Date			12 Months			3 Months			6 Months						
			Septerr	nber 30,	2022)	(Sinc	e Marc	h 31, 20	,	(Since December 31, 2022)			,	(Since September 30, 2022)			
	COUNTY	Normal A	Actual	Depart	%	Normal /	Actual	Depart	%	Normal A	ctual [Depart	%	Normal <i>i</i>	Actual I	Depart	%
Z Z	ALLEGANY	18.5	16.9	-1.6	91%	40.1	39.6	-0.5	99%	9.6	8.2	-1.4	85%	18.5	16.9	-1.6	91%
WESTERN REGION	GARRETT	20.7	17.4	-3.3	84%	46.4	45.2	-1.2	97%	10.3	8.4	-1.9	82%	20.7	17.4	-3.3	84%
SII S.	WASHINGTON	18.9	16.5	-2.4	87%	40.6	38.9	-1.7	96%	9.5	6.6	-2.9	69%	18.9	16.5	-2.4	87%
N N N	Regional Average	19.4	16.9	-2.4	87%	42.4	41.2	-1.1	97%	9.8	7.7	-2.1	79%	19.4	16.9	-2.4	87%
7	BALTIMORE COUNT	21.6	19.6	-2.0	91%	45.5	46.1	0.6	101%	10.4	6.6	-3.8	63%	21.6	19.6	-2.0	91%
0	CARROLL	20.5	17.8	-2.7	87%	43.8	40.0	-3.8	91%	10.0	6.7	-3.3	67%	20.5	17.8	-2.7	87%
CENTRAL REGION	CECIL	20.8	20.2	-0.6	97%	44.4	48.6	4.2	109%	10.0	6.3	-3.7	63%	20.8	20.2	-0.6	97%
Ř	FREDERICK	19.9	17.5	-2.4	88%	42.7	38.2	-4.5	89%	9.8	6.6	-3.2	67%	19.9	17.5	-2.4	88%
ßAL	HARFORD	21.5	21.6	0.1	100%	46.0	51.5	5.5	112%	10.4	6.9	-3.5	66%	21.5	21.6	0.1	100%
Ц Ц	HOWARD	21.1	18.2	-2.9	86%	44.5	42.7	-1.8	96%	10.3	7.0	-3.3	68%	21.1	18.2	-2.9	86%
Ц Ц	MONTGOMERY	20.0	17.6	-2.4	88%	43.1	43.7	0.6	101%	9.8	6.5	-3.3	66%	20.0	17.6	-2.4	88%
0	Regional Average	20.8	18.9	-1.8	91%	44.3	44.4	0.1	100%	10.1	6.7	-3.4	66%	20.8	18.9	-1.8	91%
-	ANNE ARUNDEL	19.6	16.9	-2.7	86%	42.4	44.0	1.6	104%	9.3	5.5	-3.8	59%	19.6	16.9	-2.7	86%
к z	CALVERT	20.8	16.8	-4.0	81%	44.3	41.9	-2.4	95%	10.3	5.4	-4.9	52%	20.8	16.8	-4.0	81%
SOUTHERN REGION	CHARLES	20.1	16.8	-3.3	84%	42.8	41.5	-1.3	97%	9.9	6.7	-3.2	68%	20.1	16.8	-3.3	84%
	PRINCE GEORGES	19.8	15.8	-4.0	80%	42.4	41.9	-0.5	99%	9.4	5.5	-3.9	59%	19.8	15.8	-4.0	80%
OS R	ST MARYS	20.8	17.0	-3.8	82%	44.0	45.5	1.5	103%	10.4	5.6	-4.8	54%	20.8	17.0	-3.8	82%
	Regional Average	20.2	16.7	-3.6	82%	43.2	43.0	-0.2	99%	9.9	5.7	-4.1	58%	20.2	16.7	-3.6	82%
	CAROLINE	20.1	18.2	-1.9	91%	43.3	43.3	0.0	100%	9.9	4.9	-5.0	49%	20.1	18.2	-1.9	91%
NC	DORCHESTER	20.2	18.3	-1.9	91%	43.6	42.1	-1.5	97%	10.0	5.0	-5.0	50%	20.2	18.3	-1.9	91%
50	KENT	20.3	18.3	-2.0	90%	43.5	42.7	-0.8	98%	10.0	5.5	-4.5	55%	20.3	18.3	-2.0	90%
RE	QUEEN ANNES	20.1	18.4	-1.7	92%	43.1	43.5	0.4	101%	9.8	5.2	-4.6	53%	20.1	18.4	-1.7	92%
Z	SOMERSET	20.1	18.6	-1.5	93%	43.0	39.4	-3.6	92%	10.4	5.1	-5.3	49%	20.1	18.6	-1.5	93%
Ë	TALBOT	20.4	17.7	-2.7	87%	43.8	44.0	0.2	100%	10.0	5.4	-4.6	54%	20.4	17.7	-2.7	87%
EASTERN REGION	WICOMICO	20.6	17.1	-3.5	83%	43.8	41.8	-2.0	95%	10.6	4.8	-5.8	45%	20.6	17.1	-3.5	83%
Εζ	WORCESTER	21.3	17.0	-4.3	80%	44.3	37.6	-6.7	85%	10.9	5.4	-5.5	50%	21.3	17.0	-4.3	80%
	Regional Average	20.4	18.0	-2.4	88%	43.6	41.8	-1.8	96%	10.2	5.2	-5.0	51%	20.4	18.0	-2.4	88%
	NT CITY OF BALTIMORE	21.3	19.2	-2.1	90%	45.2	45.7	0.5	101%	10.1	6.2	-3.9	61%	21.3	19.2	-2.1	90%
	wide Average	20.4	17.9	-2.5	88%	43.6	42.9	-0.7	98%	10.0	6.1	-4.0	61%	20.4	17.9	-2.5	88%

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2023March 31									
			Status Based on 30 Day Average						
		Neter	30 Day Average						
Region	Stream Gage Location	Notes	(cfs)	Percentage	Status				
Western	Youghiogheny (near Oakland)		495	40%-45%	Normal				
Western	Savage River (near Barton)		131.6	30%-35%	Normal				
Western	Wills Creek (near Cumberland)		664	40%-45%	Normal				
Western	Marsh Run (at Grimes)		15.0	40%-45%	Normal				
Central	Catoctin Creek (near Middletown)		93.6	25%-30%	Normal				
Central	Monocacy (Jug Bridge near Frederick)		1,102	15%-20%	Watch				
Central	Patuxent (near Unity)		35.8	15%-20%	Watch				
Central	Deer Cr (at Rocks)		111.1	10%-15%	Watch				
Eastern	Choptank (near Greensboro)		102.5	5%-10%	Warning				
Eastern	Nassawango Creek (near Snow Hill)		28.0	0%-5%	Emergency				
	Susquehanna (at Marietta)		54,774	30%-35%	Normal				
	Potomac (at Little Falls)(Adjusted)	[1]	14,359	25%-30%	Normal				

Notes:

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[1] - Some dates are missing stream flow values due to equipment malfunctions

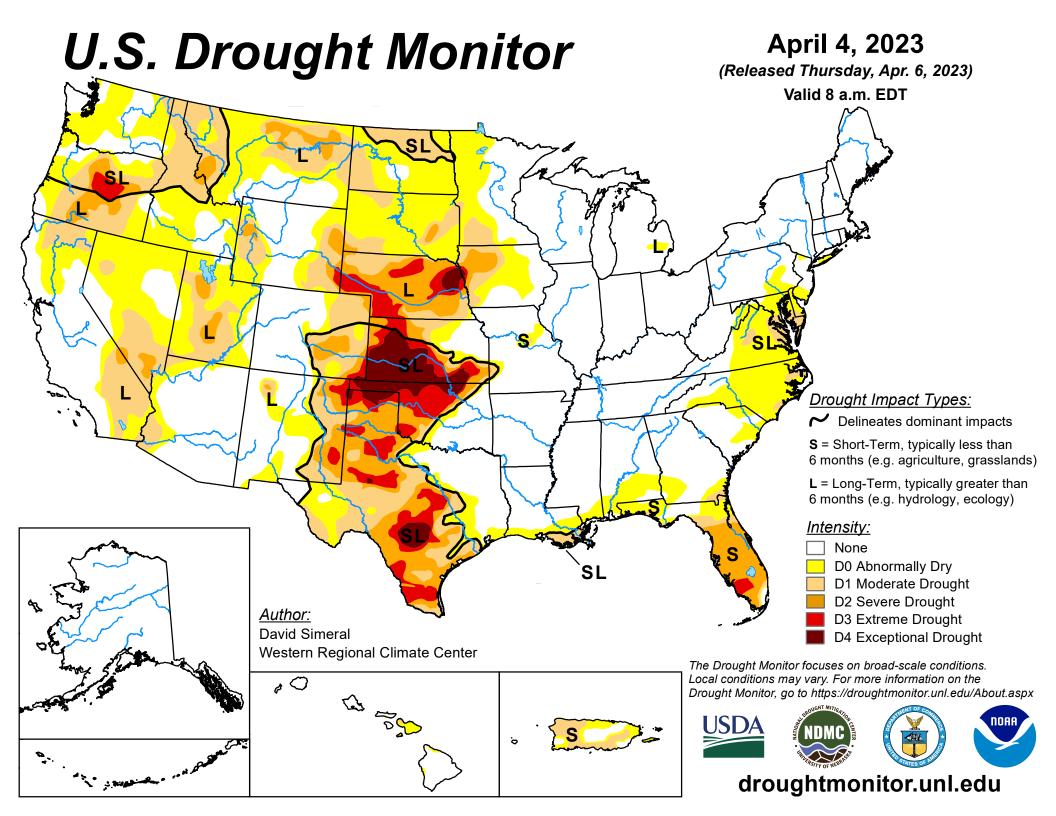
Ground Water Status for 28 February 2023								
Region	USGS Well ID	Well Level[1]	Status					
	GA Bc 1	8.90	Normal					
Western	AL Ah 1	2.52	Normal	Normal				
VVESIEIII	WA Be 2	28.83	Normal	Normai				
	WA Bk 25	45.93	Watch					
	BA Dc 444	39.22	Normal					
	BA Ea 18	24.24	Watch					
Central	HA Bd 31	8.73	Normal	Normal				
	HA Ca 23	6.84	Normal					
	MO Cc 14	27.33	Normal					
	QA Cg 69	3.61	Normal					
Eastern	WI Cg 20	4.98	Watch	Warning				
Lastern	MC51-01	13.44	Warning	vanning				
	SO Cf 2	1.90	Warning					
	CH Bg 12 (unconfined)	3.21	Watch					
	AA Cc 40 (confined)	NA[2]	Unknown					
Southern	CA Fd 54 (confined)	236.67	On Trend[4]	Normal				
oounem	CH Dd 33 (confined)	NA[2]	Unknown	Normai				
	PG De 21 (confined)	NA[2]	Unknown					
	SM Fg 45 (confined)	NA[2]	Unknown					
	urement of water level as	s feet below land	l surface					
[2] - Not Available as of 2023-4-7								
	computed from real time							
[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



U.S. Drought Monitor Maryland

April 4, 2023

(Released Thursday, Apr. 6, 2023)

Valid 8 a.m. EDT

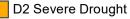
Drought Conditions (Percent Area) None D0-D4 D1-D4 D2-D4 D3-D4 D4

Current	16.43	83.57	30.96	0.00	0.00	0.00
Last Week 03-28-2023	31.89	68.11	26.93	0.00	0.00	0.00
3 Months Ago 01-03-2023	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-03-2023	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 09-27-2022	65.82	34.18	6.75	0.00	0.00	0.00
One Year Ago 04-05-2022	11.07	88.93	9.80	0.00	0.00	0.00

Intensity:

None D0 Abnormally Dry





D3 Extreme Drought

D1 Moderate Drought

D4 Exceptional Drought

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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Western Regional Climate Center



droughtmonitor.unl.edu

