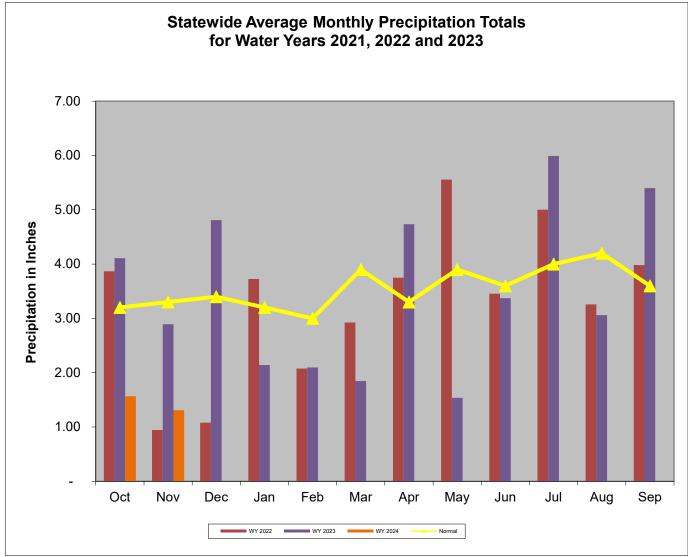
Overall Hydrologic Status for Maryland

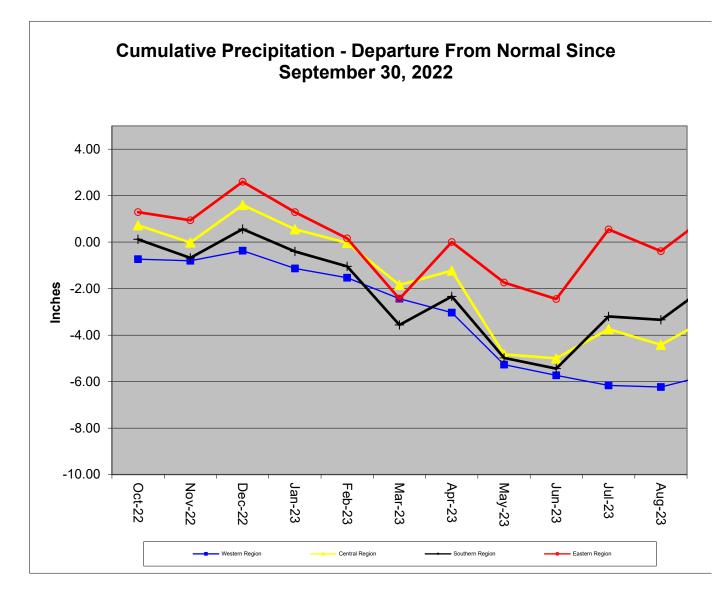
Summary of Hydrologic Indicators for 07-November 2023									
Rainfall Stream Flow Groundwater Reservoirs Overall Status									
Western	Normal	Normal	Warning	Normal	Watch				
Central	Watch	Warning	Warning	Normal	Warning				
Eastern	Normal	Normal	Normal		Normal				
Southern	Watch		Normal		Normal				

Notes: The WSSC Patuxent reservoirs have less then 120 days of water in storage. This is a result of dredging in the Triadelphia, which is scheduled to end by November 2023.

Precipitation Indicators for Maryland Drought Regions										
November 7, 2023										
Since August 31, 2023 Since May 31, 2022 Since Nov 30, 2022										
	Percent of		Percent of	Percent of						
Regions	Normal	Condition	Normal	Normal Condition		Condition				
Western	85%	Normal	89%	Normal	84%	Watch				
Central	68%	Watch	86%	Normal	82%	Watch				
Eastern	83%	Normal	98%	Normal	93%	Normal				
Southern 74% Watch 95% Normal 87% 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 November 2023 (WY 2024)																	
	Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches																
	WY ¹ To Date					11.25 Months (Since November 30, 2022)		2.25 Months (Since August 31, 2023)			5.25 Months (Since May 31, 2023)						
	COUNTY	Normal <i>i</i>			%	Normal	Actual	Depart	%	Normal A	ctual [Depart	%	Normal	Actual	Depart	%
Z Z	ALLEGANY	5.6	3.3	-2.3	59%	39.7	33.0	-6.7	83%	9.1	7.8	-1.3	86%	19.6	17.5	-2.1	89%
WESTERN REGION	GARRETT	6.1	6.1	0.0	100%	45.7	41.4	-4.3	91%	9.8	9.9	0.1	101%	23.0	22.7	-0.3	99%
EG	WASHINGTON	6.2	2.6	-3.6	42%	40.4	30.9	-9.5	76%	10.0	7.0	-3.0	70%	20.5	15.8	-4.7	77%
N N N	Regional Average	6.0	4.0	-2.0	67%	41.9	35.1	-6.8	84%	9.6	8.2	-1.4	85%	21.0	18.7	-2.4	89%
	BALTIMORE COUNT	7.7	2.5	-5.2	32%	45.6	38.1	-7.5	84%	12.1	8.6	-3.5	71%	23.4	21.6	-1.8	92%
CENTRAL REGION	CARROLL	7.1	2.2	-4.9	31%	43.8	32.1	-11.7	73%	11.4	6.8	-4.6	60%	22.5	15.4	-7.1	68%
10	CECIL	7.1	2.4	-4.7	34%	44.8	40.9	-3.9	91%	11.5	8.2	-3.3	71%	23.4	23.7	0.3	101%
IN IN	FREDERICK	6.8	2.4	-4.4	35%	42.6	32.2	-10.4	76%	10.9	7.1	-3.8	65%	21.6	15.5	-6.1	72%
I AL	HARFORD	7.7	2.8	-4.9	36%	46.2	40.1	-6.1	87%	12.1	8.4	-3.7	69%	24.2	23.2	-1.0	96%
	HOWARD	7.3	2.1	-5.2	29%	44.5	35.3	-9.2	79%	11.4	7.7	-3.7	68%	22.6	18.6	-4.0	82%
	MONTGOMERY	6.9	1.8	-5.1	26%	42.9	35.2	-7.7	82%	11.0	7.9	-3.1	72%	22.1	19.0	-3.1	86%
0	Regional Average	7.2	2.3	-4.9	32%	44.3	36.3	-8.1	82%	11.5	7.8	-3.7	68%	22.8	19.6	-3.3	86%
_	ANNE ARUNDEL	6.9	2.6	-4.3	38%	42.3	38.3	-4.0	91%	10.8	8.4	-2.4	78%	21.9	22.3	0.4	102%
Z ∠Z Z	CALVERT	7.1	3.0	-4.1	42%	44.4	40.0	-4.4	90%	11.0	9.4	-1.6	85%	22.8	22.9	0.1	100%
SOUTHERN REGION	CHARLES	6.9	2.0	-4.9	29%	42.8	35.9	-6.9	84%	10.8	6.8	-4.0	63%	22.3	19.3	-3.0	87%
ЪЩ	PRINCE GEORGES	7.1	2.0	-5.1	28%	42.3	36.4	-5.9	86%	10.9	7.6	-3.3	70%	22.1	21.3	-0.8	96%
OS R	ST MARYS	7.1	3.1	-4.0	44%	44.1	37.8	-6.3	86%	11.0	8.1	-2.9	74%	22.8	20.1	-2.7	88%
	Regional Average	7.0	2.5	-4.5	36%	43.2	37.7	-5.5	87%	10.9	8.1	-2.8	74%	22.4	21.2	-1.2	95%
	CAROLINE	6.7	3.7	-3.0	55%	43.2	44.5	1.3	103%	10.5	10.2	-0.3	97%	22.3	25.8	3.5	116%
NO	DORCHESTER	52.9	49.3	-3.6	93%	43.6	41.0	-2.6	94%	10.3	8.2	-2.1	80%	22.6	22.8	0.2	101%
0 U	KENT	51.6	47.4	-4.2	92%	43.5	39.9	-3.6	92%	11.1	8.6	-2.5	77%	22.3	22.2	-0.1	100%
ЯШ	QUEEN ANNES	52.2	48.6	-3.6	93%	43.1	40.6	-2.5	94%	10.8	9.0	-1.8	83%	22.2	22.3	0.1	100%
Z	SOMERSET	50.5	47.5	-3.0	94%	42.9	39.6	-3.3	92%	10.1	8.3	-1.8	82%	22.3	20.1	-2.2	90%
Щ	TALBOT	50.0	46.6	-3.4	93%	43.7	39.3	-4.4	90%	10.7	7.6	-3.1	71%	22.5	21.1	-1.4	94%
EASTERN REGION	WICOMICO	51.2	48.0	-3.2	94%	43.6	41.0	-2.6	94%	10.1	9.8	-0.3	97%	22.3	22.6	0.3	101%
ΕÞ	WORCESTER	48.0	44.5	-3.5	93%	44.2	37.4	-6.8	85%	10.6	8.6	-2.0	81%	22.8	19.3	-3.5	85%
	Regional Average	45.4	42.0	-3.4	92%	43.5	40.4	-3.1	93%	10.5	8.8	-1.7	83%	22.4	22.0	-0.4	98%
	NT CITY OF BALTIMORE	7.7	2.5	-5.2	32%	45.3	37.7	-7.6	83%	12.1	8.6	-3.5	71%	23.4	21.6	-1.8	92%
	wide Average	19.8	15.8	-4.0	80%	43.6	37.9	-5.7	87%	10.8	8.3	-2.6	76%	22.4	20.7	-1.7	92%

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2023 November 07									
			Status Based on 30 Day Averag						
Region	Stream Gage Location	Notes	30 Day Average (cfs)	Percentage	Status				
Western	Youghiogheny (near Oakland)		140	60%-65%	Normal				
Western	Savage River (near Barton)		12.9	40%-45%	Normal				
Western	Wills Creek (near Cumberland)		37	25%-30%	Normal				
Western	Marsh Run (at Grimes)		4.4	35%-40%	Normal				
Central	Catoctin Creek (near Middletown)		4.5	0%-5%	Emergency				
Central	Monocacy (Jug Bridge near Frederick)		105	5%-10%	Warning				
Central	Patuxent (near Unity)		8.3	5%-10%	Warning				
Central	Deer Cr (at Rocks)		44.2	10%-15%	Watch				
Eastern	Choptank (near Greensboro)		40.2	45%-50%	Normal				
Eastern	Nassawango Creek (near Snow Hill)		9.5	40%-45%	Normal				
	Susquehanna (at Marietta)		20,571	60%-65%	Normal				
	Potomac (at Little Falls)(Adjusted)		1,835	5%-10%	Warning				

Notes:

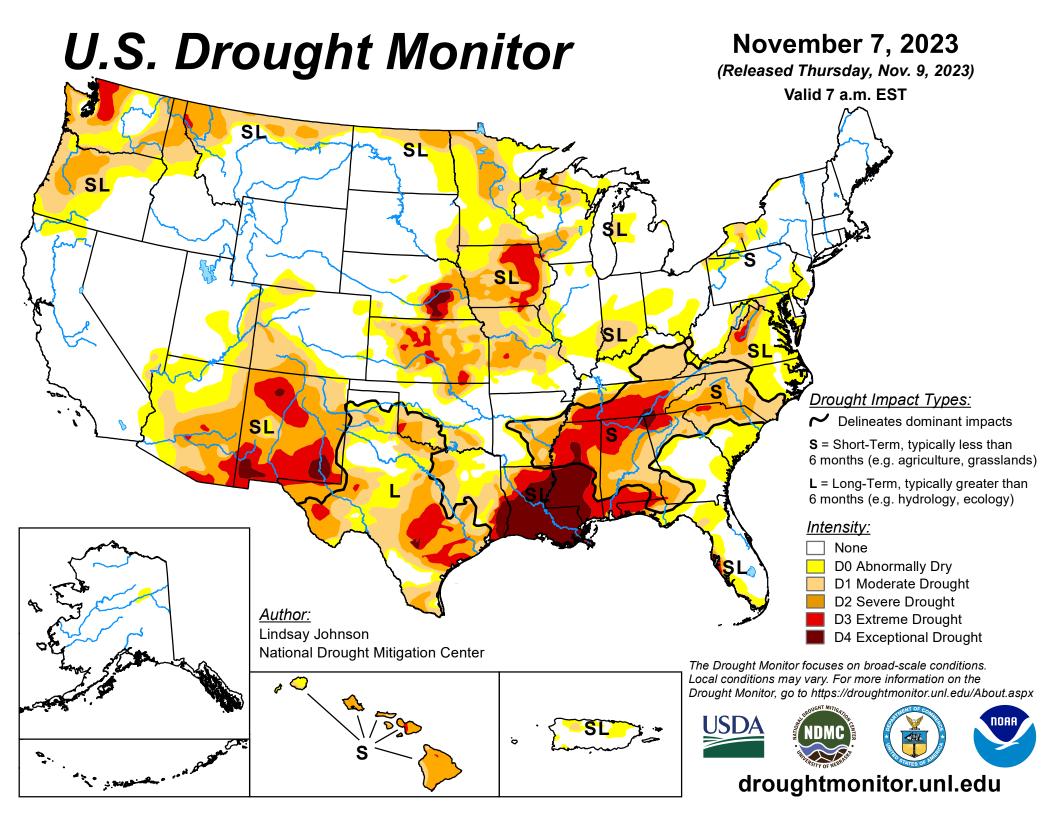
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Ground Water Status for 07 November 2023									
Region	USGS Well ID	Well Level[1]	Status						
	GA Bc 1	13.33 [03]	Normal						
Western	AL Ah 1	4.54 [02]	Normal	Warning					
VVESIEIII	WA Be 2	35.87 [02]	Warning	warning					
	WA Bk 25	50.72 [03]	Emergency						
	BA Dc 444	42.95 [03]	Warning						
	BA Ea 18	27.05 [02]	Emergency						
Central	HA Bd 31	12.5 [02]	Normal	Warning					
	HA Ca 23	7.98 [02]	Normal						
	MO Cc 14	38.33 [02]	Normal						
	QA Cg 69	3.89 [02]	Normal						
Eastern	WI Cg 20	6 [02]	Normal	Normal					
Lasiem	MC51-01	12.94 [03]	Normal	Normai					
	SO Cf 2	5.28 [03]	Normal						
	CH Bg 12 (unconfined)	5.1 [03]	Normal						
	AA Cc 40 (confined)	NA[2]	Unknown						
Southern	CA Fd 54 (confined)	241.68	On Trend[4]	Normal					
Southern	CH Dd 33 (confined)	NA[2]	Unknown	Normai					
	PG De 21 (confined)	NA[2]	Unknown						
	SM Fg 45 (confined)	NA[2]	Unknown						
[1] - Meas	urement of water level as	s feet below land	l surface						
[2] - Not Available as of 2023-11-09									
[3] - Value	[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



U.S. Drought Monitor Maryland

November 7, 2023

(Released Thursday, Nov. 9, 2023)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

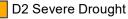
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	When the strength and t

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	12.82	87.18	9.86	0.47	0.00	0.00
Last Week 10-31-2023	48.31	51.69	3.33	0.47	0.00	0.00
3 Months Ago 08-08-2023	67.43	32.57	19.42	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 09-26-2023	63.11	36.89	3.30	0.47	0.00	0.00
One Year Ago 11-08-2022	67.84	32.16	0.00	0.00	0.00	0.00

Intensity:

None D0 Abnormally Dry





D1 Moderate Drought

D3 Extreme 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

Author:

Lindsay Johnson National Drought Mitigation Center



droughtmonitor.unl.edu