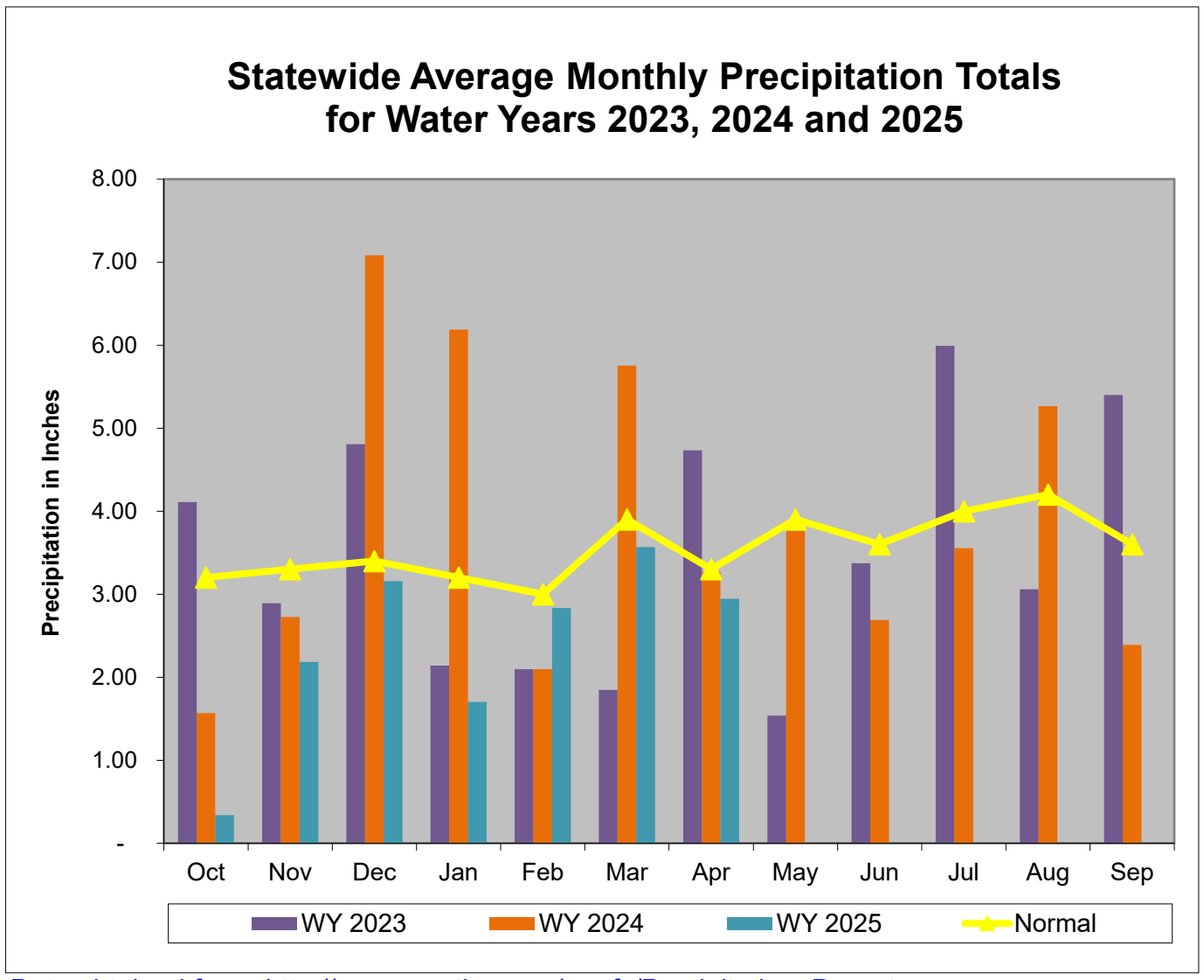
# Overall Hydrologic Status for Maryland

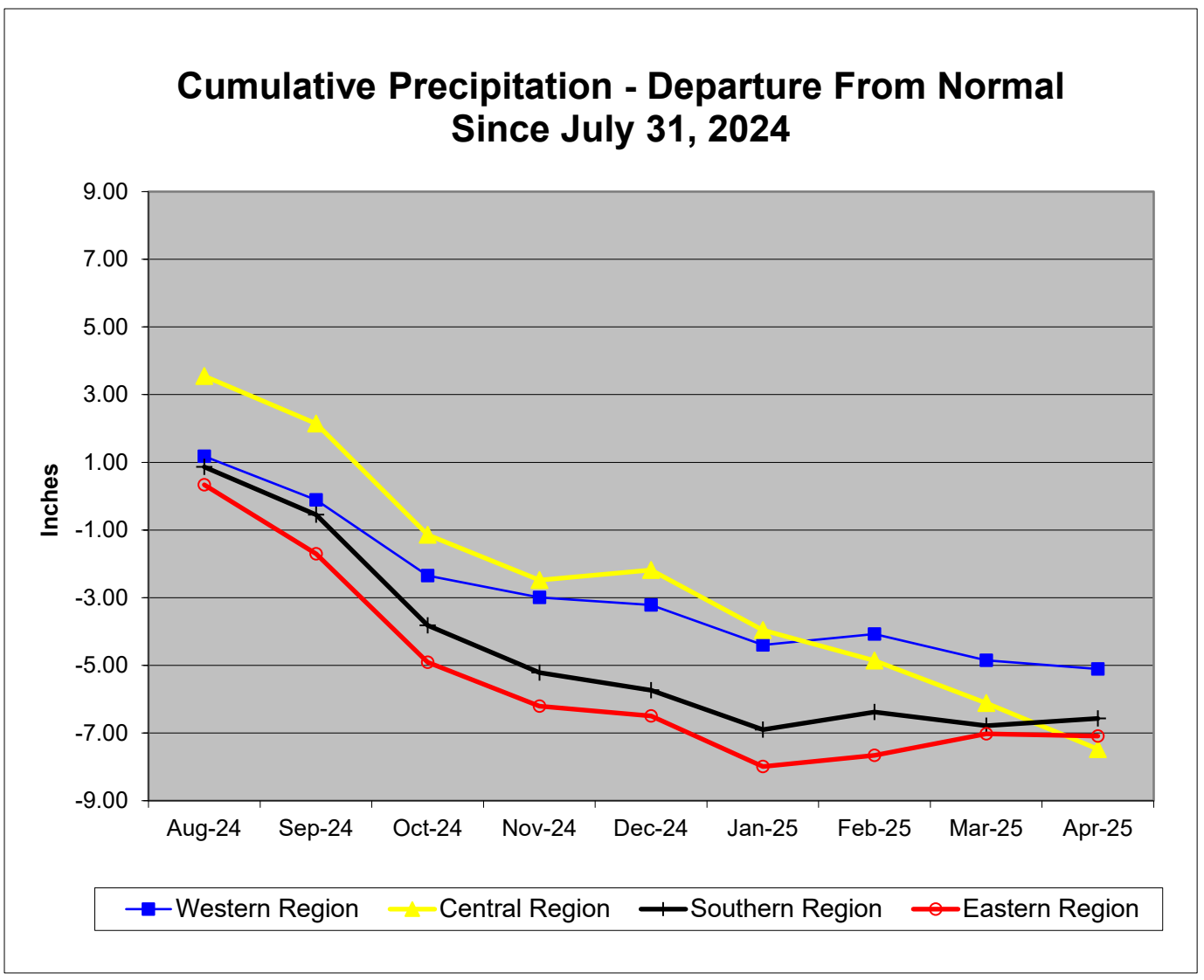
| Summary of Hydrologic Indicators for 30 April 2025 | | | | | |
|---|---|---|---|---|---|
| | **Rainfall** | **Stream Flow** | **Groundwater** | **Reservoirs** | Overall Status |
| Western | Watch | Watch | Emergency | Normal | Warning |
| Central | Emergency | Emergency | Emergency | Normal | Warning |
| Eastern | Watch | Normal | Watch | | Watch |
| Southern | Watch | | Warning | | Watch |

Notes:
WSSC has extended their drought Watch as of November 7th:
https://www.mwcog.org/newsroom/2024/11/07/officials-extend-drought-watch-for-dc-region-drought/

| Precipitation Indicators for Maryland Drought Regions<br>April 30, 2025 | | | | | | |
|---|---|---|---|---|---|---|
| | Since Sept 30, 2024 | | Since Oct 31, 2024 | | Since April 30, 2024 | |
| **Regions** | **Percent of Normal** | **Condition** | **Percent of Normal** | **Condition** | **Percent of Normal** | **Condition** |
| Western | 78% | Watch | 86% | Normal | 82% | Watch |
| Central | 60% | Emergency | 69% | Warning | 76% | Watch |
| Eastern | 77% | Watch | 89% | Normal | 83% | Watch |
| Southern | 74% | Watch | 86% | Normal | 77% | Watch |
| WY or Water Year begins on October 1. | | | | | | |




Data obtained from: http://www.weather.gov/marfc/Precipitation_Departures



# Precipitation in Maryland Counties
# as of 30 April 2025 (WY 2025)

| | | Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WY[1] To Date (Since September 30, 2024) | | | | 12 Months (Since April 30, 2024) | | | | 3 Months (Since January 31, 2024) | | | | 6 Months (Since October 31, 2024) | | | |
| | COUNTY | Normal | Actual | Depart | % | Normal | Actual | Depart | % | Normal | Actual | Depart | % | Normal | Actual | Depart | % |
| WESTERN REGION | ALLEGANY | 20.8 | 12.8 | -8.0 | 62% | 39.0 | 28.9 | -10.1 | 74% | 9.4 | 6.7 | -2.7 | 72% | 18.0 | 11.8 | -6.2 | 66% |
| | GARRETT | 24.6 | 20.8 | -3.8 | 85% | 46.4 | 37.2 | -9.1 | 80% | 11.1 | 8.3 | -2.7 | 75% | 21.6 | 19.5 | -2.0 | 91% |
| | WASHINGTON | 24.2 | 20.9 | -3.2 | 87% | 43.7 | 40.0 | -3.8 | 91% | 10.8 | 14.0 | 3.3 | 130% | 21.0 | 20.9 | -0.1 | 100% |
| | Regional Average | 23.2 | 18.2 | -5.0 | 78% | 43.0 | 35.4 | -7.7 | 82% | 10.4 | 9.7 | -0.7 | 93% | 20.2 | 17.4 | -2.8 | 86% |
| CENTRAL REGION | BALTIMORE COUNTY | 25.1 | 14.5 | -10.7 | 58% | 45.2 | 33.6 | -11.7 | 74% | 10.7 | 6.6 | -4.0 | 62% | 21.2 | 13.9 | -7.3 | 66% |
| | CARROLL | 23.7 | 13.6 | -10.2 | 57% | 43.4 | 33.7 | -9.7 | 78% | 10.2 | 6.0 | -4.2 | 59% | 20.1 | 13.0 | -7.1 | 65% |
| | CECIL | 24.3 | 17.4 | -7.0 | 71% | 44.7 | 34.9 | -9.8 | 78% | 10.4 | 9.8 | -0.6 | 94% | 20.7 | 17.3 | -3.4 | 84% |
| | FREDERICK | 22.9 | 12.4 | -10.5 | 54% | 42.1 | 32.2 | -9.9 | 77% | 10.0 | 5.5 | -4.5 | 55% | 19.5 | 12.0 | -7.5 | 61% |
| | HARFORD | 24.8 | 15.1 | -9.6 | 61% | 45.6 | 32.4 | -13.2 | 71% | 10.5 | 7.3 | -3.2 | 69% | 20.8 | 14.8 | -6.1 | 71% |
| | HOWARD | 24.3 | 14.4 | -9.9 | 59% | 44.1 | 34.8 | -9.3 | 79% | 10.5 | 6.4 | -4.1 | 61% | 20.7 | 14.0 | -6.6 | 68% |
| | MONTGOMERY | 22.9 | 13.4 | -9.5 | 59% | 42.5 | 33.2 | -9.3 | 78% | 9.9 | 5.9 | -4.0 | 60% | 19.4 | 13.1 | -6.3 | 68% |
| | Regional Average | 24.0 | 14.4 | -9.6 | 60% | 43.9 | 33.6 | -10.4 | 76% | 10.3 | 6.8 | -3.5 | 66% | 20.3 | 14.0 | -6.3 | 69% |
| SOUTHERN REGION | ANNE ARUNDEL | 23.3 | 16.2 | -7.0 | 70% | 42.6 | 33.0 | -9.6 | 77% | 10.0 | 8.9 | -1.1 | 89% | 19.8 | 15.9 | -3.9 | 80% |
| | CALVERT | 23.9 | 18.2 | -5.7 | 76% | 43.8 | 32.7 | -11.1 | 75% | 10.3 | 11.4 | 1.1 | 111% | 20.3 | 17.9 | -2.4 | 88% |
| | CHARLES | 22.9 | 16.6 | -6.2 | 73% | 42.3 | 31.4 | -10.9 | 74% | 9.8 | 9.9 | 0.1 | 101% | 19.4 | 16.4 | -3.0 | 85% |
| | PRINCE GEORGES | 23.1 | 16.3 | -6.8 | 71% | 42.3 | 32.4 | -9.9 | 77% | 9.8 | 9.0 | -0.8 | 92% | 19.5 | 15.9 | -3.6 | 82% |
| | ST MARYS | 23.8 | 19.4 | -4.3 | 82% | 43.5 | 35.7 | -7.8 | 82% | 10.3 | 12.6 | 2.4 | 123% | 20.2 | 19.3 | -0.9 | 96% |
| | Regional Average | 23.4 | 17.3 | -6.0 | 74% | 42.9 | 33.0 | -9.9 | 77% | 10.0 | 10.4 | 0.3 | 103% | 19.8 | 17.1 | -2.7 | 86% |
| EASTERN REGION | CAROLINE | 23.7 | 19.0 | -4.7 | 80% | 43.3 | 36.6 | -6.7 | 85% | 10.3 | 11.8 | 1.5 | 115% | 20.3 | 19.0 | -1.3 | 94% |
| | DORCHESTER | 24.0 | 19.9 | -4.1 | 83% | 43.8 | 37.0 | -6.8 | 84% | 10.5 | 12.7 | 2.3 | 121% | 20.6 | 19.8 | -0.8 | 96% |
| | KENT | 23.6 | 16.8 | -6.8 | 71% | 43.2 | 32.1 | -11.2 | 74% | 10.2 | 9.6 | -0.6 | 94% | 20.1 | 16.5 | -3.6 | 82% |
| | QUEEN ANNES | 23.6 | 17.4 | -6.2 | 74% | 43.0 | 34.0 | -9.1 | 79% | 10.2 | 10.2 | 0.0 | 100% | 20.2 | 17.2 | -3.0 | 85% |
| | SOMERSET | 23.6 | 20.9 | -2.7 | 89% | 43.0 | 41.0 | -2.0 | 95% | 10.6 | 14.0 | 3.4 | 132% | 20.4 | 20.9 | 0.5 | 102% |
| | TALBOT | 24.0 | 18.7 | -5.3 | 78% | 43.8 | 36.9 | -6.9 | 84% | 10.4 | 11.5 | 1.1 | 111% | 20.5 | 18.6 | -1.8 | 91% |
| | WICOMICO | 21.3 | 11.9 | -9.4 | 56% | 39.6 | 29.9 | -9.7 | 75% | 9.3 | 5.8 | -3.5 | 62% | 18.2 | 11.3 | -6.9 | 62% |
| | WORCESTER | 24.5 | 20.5 | -4.0 | 84% | 44.1 | 38.2 | -5.9 | 87% | 10.7 | 13.8 | 3.1 | 129% | 21.1 | 20.5 | -0.6 | 97% |
| | Regional Average | 23.5 | 18.1 | -5.4 | 77% | 43.0 | 35.7 | -7.3 | 83% | 10.3 | 11.2 | 0.9 | 109% | 20.1 | 18.0 | -2.2 | 89% |
| INDEPENDENT CITY OF BALTIMORE | | 25.1 | 14.5 | -10.7 | 58% | 45.2 | 33.6 | -11.7 | 74% | 10.7 | 6.6 | -4.0 | 62% | 21.2 | 13.9 | -7.3 | 66% |
| **Statewide Average** | | 23.6 | 16.7 | -6.9 | 71% | 43.3 | 34.4 | -9.0 | 79% | 10.3 | 9.3 | -0.9 | 91% | 20.2 | 16.4 | -3.8 | 81% |

WY[1] - USGS Water Year, which begins October 1

## Stream Flow Status Based on Thirty Day Average for 2025 April 30

| Region | Stream Gage Location | Notes | Status Based on 30 Day Average | | |
|---|---|---|---|---|---|
| | | | 30 Day Average (cfs) | Percentage | Status |
| Western | Youghiogheny (near Oakland) | | 439.1 | 45%-50% | Normal |
| Western | Savage River (near Barton) | | 77.3 | 20%-25% | Watch |
| Western | Wills Creek (near Cumberland) | | 318 | 10%-15% | Watch |
| Western | Marsh Run (at Grimes) | | 6.2 | 5%-10% | Warning |
| Central | Catoctin Creek (near Middletown) | | 41.2 | 0%-5% | Emergency |
| Central | Monocacy (Jug Bridge near Frederick) | | 704 | 15%-20% | Watch |
| Central | Patuxent (near Unity) | | 18.5 | 0%-5% | Emergency |
| Central | Deer Cr (at Rocks) | | 80.0 | 5%-10% | Warning |
| Eastern | Choptank (near Greensboro) | | 212.6 | 50%-55% | Normal |
| Eastern | Nassawango Creek (near Snow Hill) | | 78.6 | 60%-65% | Normal |
| | Susquehanna (at Marietta) | | 38,163 | 10%-15% | Watch |
| | Potomac (at Little Falls)(Adjusted) | | 7,728 | 0%-5% | Emergency |

Notes:

| Ground Water Status for 30 April 2025 | | | | |
|---|---|---|---|---|
| Region | USGS Well ID | Well Level[1] | Status | |
| Western | GA Bc 1 | 12.25 [3] | Normal | Emergency |
| | AL Ah 1 | 4.27 | Normal | |
| | WA Be 2 | 32.28 | Watch | |
| | WA Bk 25 | 49.16 | Emergency | |
| | WA Ci 82 | 51.57 | Emergency | |
| Central | BA Dc 444 | 43.40 [3] | Emergency | Emergency |
| | BA Ea 18 | 24.22 | Watch | |
| | CL Ad 47 | 3.53 [3] | Emergency | |
| | Fr Bd 96 | 18.56 | Watch | |
| | Fr Df 35 | 59.55 | Watch | |
| | HA Bd 31 | 14.29 | Emergency | |
| | HA Ca 23 | 9.25 | Emergency | |
| | MO Cc 14 | 34.33 | Emergency | |
| Eastern | QA Cg 69 | 3.29 | Normal | Watch |
| | WI Cg 20 | 4.85 | Watch | |
| | MC51-01 | 12.10 | Watch | |
| | SO Cf 2 | 1.75 [3] | Watch | |
| Southern | CH Bg 12 (unconfined) | 3.76 [3] | Emergency | ***Warning*** |
| | CA Fd 54 (confined) | 242.32 [3] | On Trend[4] | |

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2025-05-02
[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.

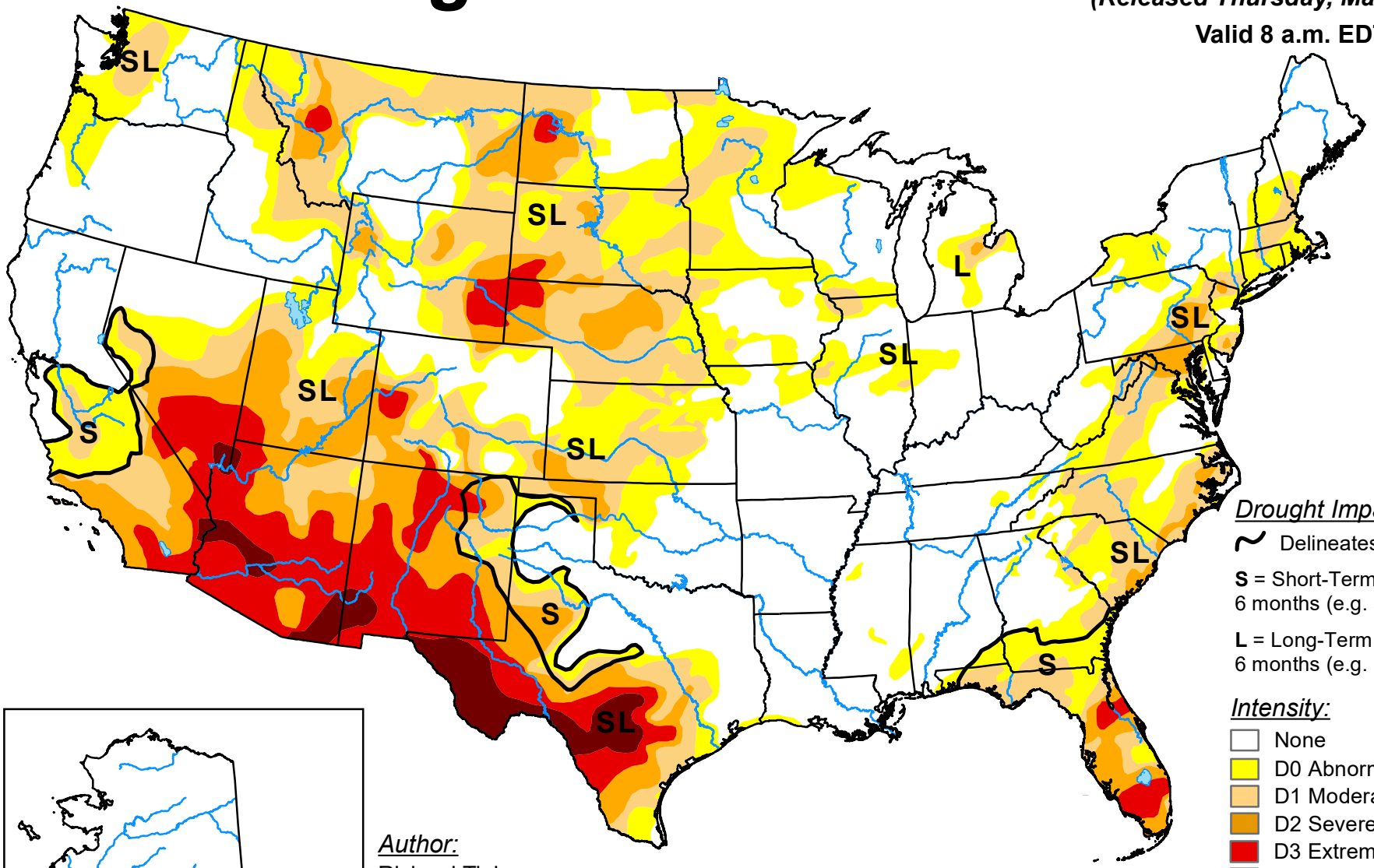
Selected ground water levels are available from USGS at:
http://md.water.usgs.gov/groundwater/
Data for other wells may be downloaded from:
USGS - NWIS Web Information for USA

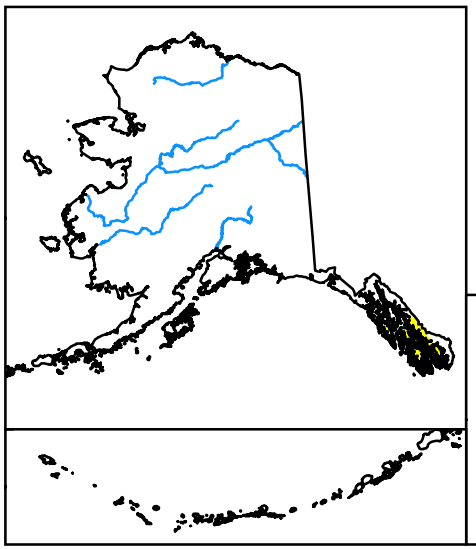
# U.S. Drought Monitor

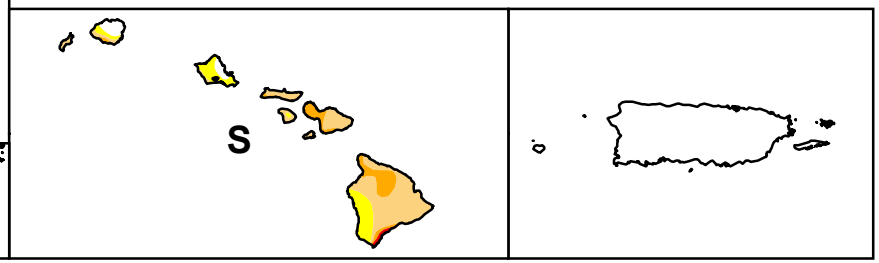
**April 29, 2025**

***(Released Thursday, May. 1, 2025)***

**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:*

Richard Tinker

CPC/NOAA/NWS/NCEP

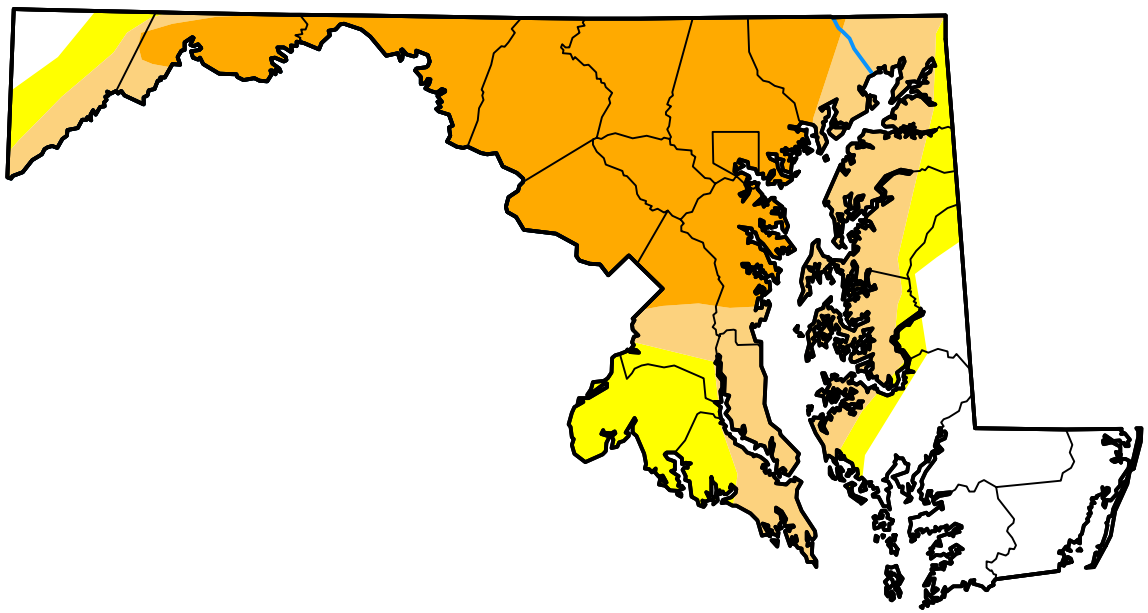

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx*

USDA NDMC NOAA

**droughtmonitor.unl.edu**

# *U.S. Drought Monitor*

# Maryland



## April 29, 2025

***(Released Thursday, May. 1, 2025)***

**Valid 8 a.m. EDT**

*Drought Conditions (Percent Area)*

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|---|---|---|---|---|---|
| **Current** | 19.36 | 80.64 | 65.36 | 43.03 | 0.00 | 0.00 |
| **Last Week** *04-22-2025* | 19.36 | 80.64 | 65.36 | 43.03 | 0.00 | 0.00 |
| **3 Months Ago** *01-28-2025* | 1.19 | 98.81 | 95.30 | 59.66 | 0.00 | 0.00 |
| **Start of Calendar Year** *01-07-2025* | 1.19 | 98.81 | 95.30 | 51.57 | 0.00 | 0.00 |
| **Start of Water Year** *10-01-2024* | 18.77 | 81.23 | 21.65 | 9.89 | 4.07 | 0.00 |
| **One Year Ago** *04-30-2024* | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

*Intensity:*

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe 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*

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**droughtmonitor.unl.edu**