

Overall Hydrologic Status for Maryland

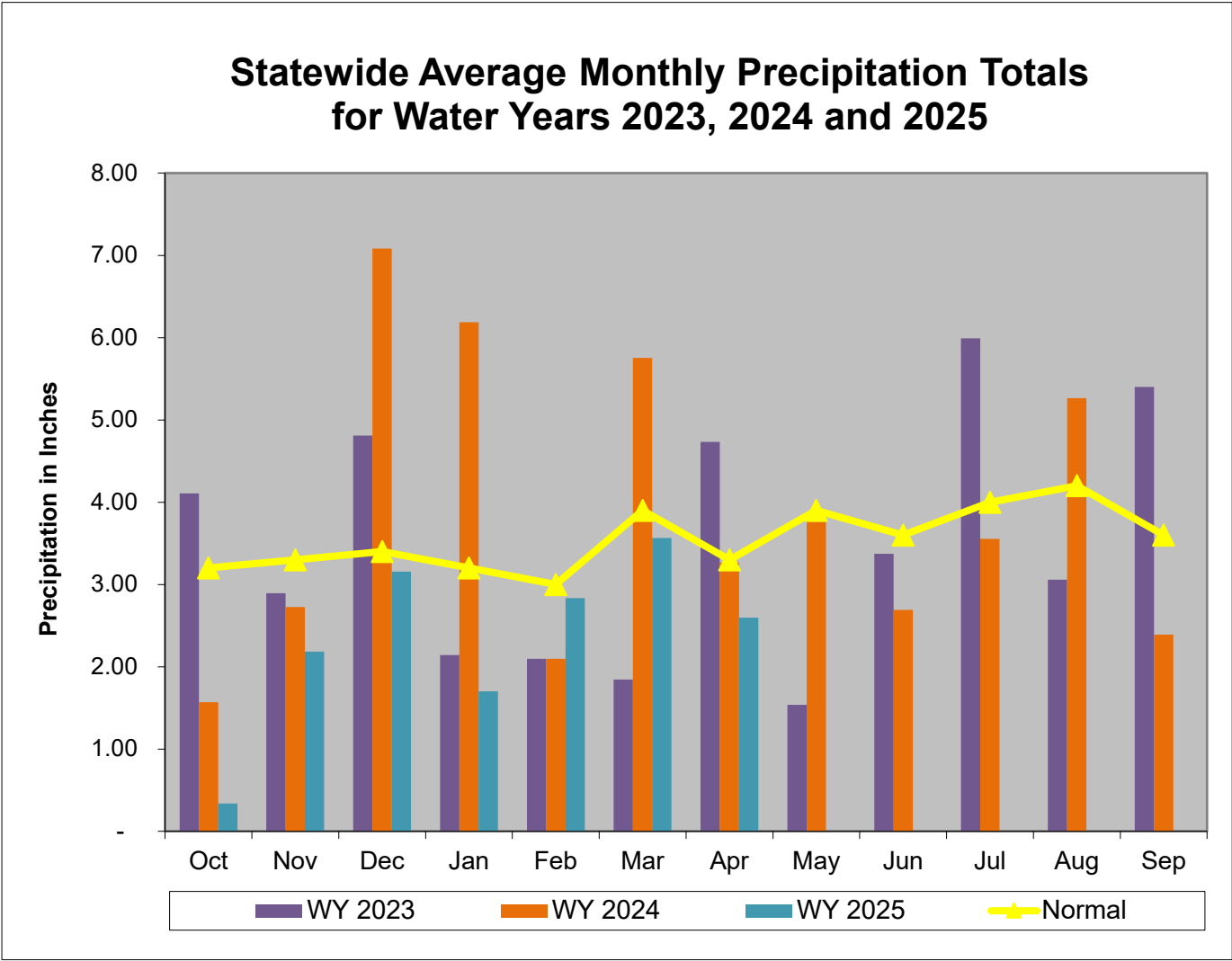
| Summary of Hydrologic Indicators for 22 April 2025 | | | | | |
|--|-----------|-------------|-------------|------------|----------------|
| | Rainfall | Stream Flow | Groundwater | Reservoirs | Overall Status |
| Western | Watch | Warning | Emergency | Normal | Warning |
| Central | Emergency | Emergency | Warning | Normal | Warning |
| Eastern | Watch | Normal | Warning | | Watch |
| Southern | Watch | | Normal | | Watch |

Notes:

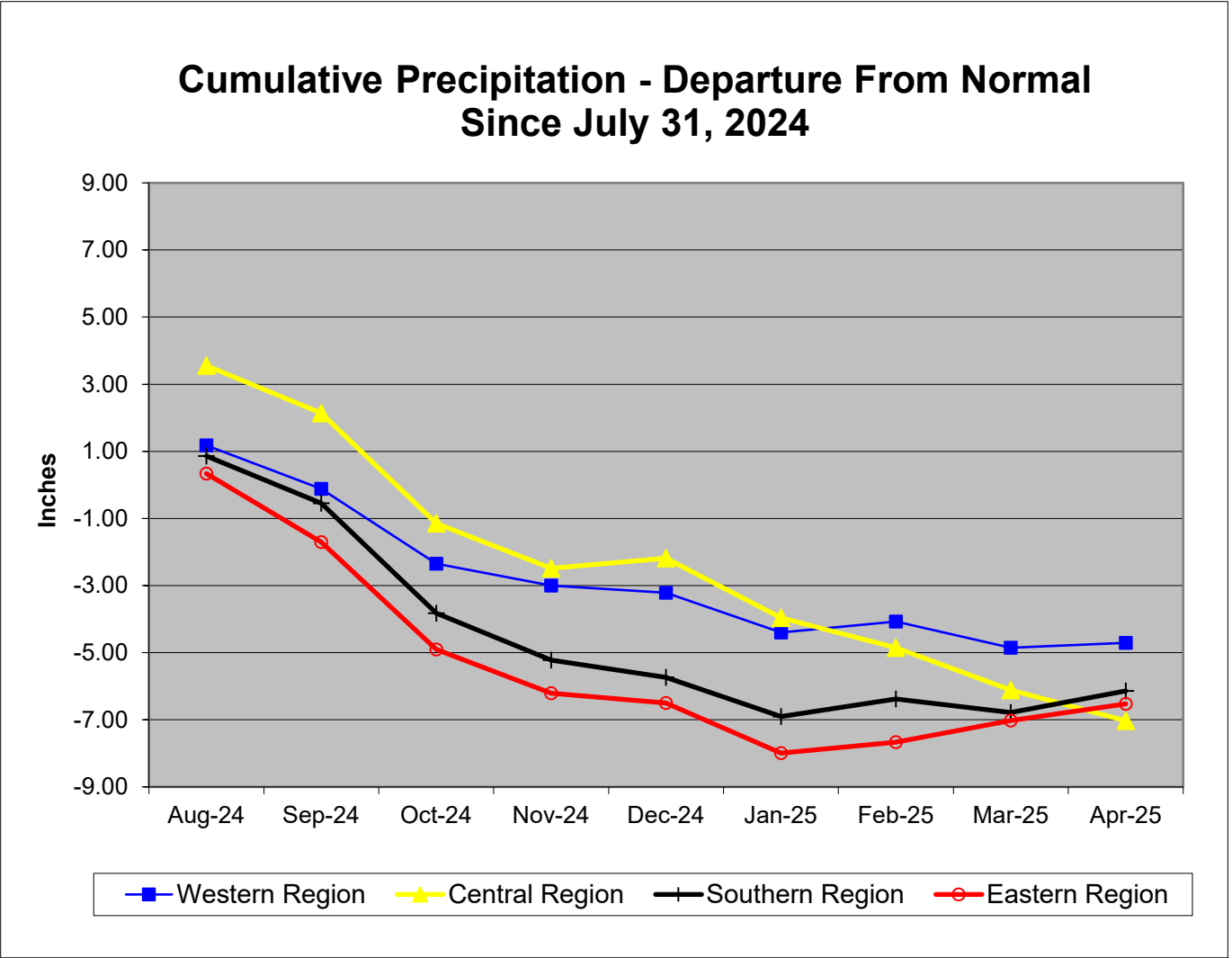
WSSC has extended their drought Watch as of November 7th:

<https://www.mwcog.org/newsroom/2024/11/07/officials-extend-drought-watch-for-dc-region-drought/>

| Precipitation Indicators for Maryland Drought Regions | | | | | | |
|---|---------------------|-----------|--------------------|-----------|----------------------|-----------|
| April 22, 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 | 79% | Watch | 88% | Normal | 83% | Watch |
| Central | 60% | Emergency | 70% | Warning | 77% | Watch |
| Eastern | 79% | Watch | 92% | Normal | 84% | Watch |
| Southern | 75% | Watch | 88% | Normal | 78% | 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 22 April 2025 (WY 2025)**

| | | Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches | | | | | | | | | | | | | | | |
|-------------------------------|------------------|---|--------|--------|-----|--|--------|--------|-----|---|--------|--------|------|---|--------|--------|------|
| | | WY ¹ To Date (Since September 30, 2024) | | | | 11.75 Months (Since April 30, 2024) | | | | 2.75 Months (Since January 31, 2024) | | | | 5.75 Months (Since October 31, 2024) | | | |
| | COUNTY | Normal | Actual | Depart | % | Normal | Actual | Depart | % | Normal | Actual | Depart | % | Normal | Actual | Depart | % |
| WESTERN REGION | ALLEGANY | 20.0 | 12.2 | -7.8 | 61% | 38.2 | 28.2 | -10.0 | 74% | 8.6 | 6.1 | -2.5 | 71% | 17.2 | 11.2 | -6.0 | 65% |
| | GARRETT | 23.7 | 20.4 | -3.2 | 86% | 45.4 | 36.9 | -8.6 | 81% | 10.1 | 8.0 | -2.2 | 78% | 20.7 | 19.2 | -1.5 | 93% |
| | WASHINGTON | 23.3 | 20.6 | -2.7 | 88% | 42.9 | 39.7 | -3.2 | 92% | 9.9 | 13.7 | 3.8 | 138% | 20.1 | 20.6 | 0.5 | 102% |
| | Regional Average | 22.3 | 17.7 | -4.6 | 79% | 42.2 | 34.9 | -7.3 | 83% | 9.6 | 9.2 | -0.3 | 97% | 19.3 | 17.0 | -2.4 | 88% |
| CENTRAL REGION | BALTIMORE COUNTY | 24.3 | 14.1 | -10.2 | 58% | 44.4 | 33.2 | -11.2 | 75% | 9.8 | 6.3 | -3.6 | 64% | 20.4 | 13.6 | -6.8 | 67% |
| | CARROLL | 22.9 | 13.2 | -9.7 | 58% | 42.6 | 33.3 | -9.3 | 78% | 9.4 | 5.6 | -3.8 | 60% | 19.3 | 12.6 | -6.7 | 65% |
| | CECIL | 23.5 | 17.1 | -6.4 | 73% | 43.9 | 34.6 | -9.3 | 79% | 9.5 | 9.5 | -0.1 | 99% | 19.9 | 17.1 | -2.8 | 86% |
| | FREDERICK | 22.0 | 12.0 | -10.0 | 54% | 41.2 | 31.8 | -9.4 | 77% | 9.1 | 5.1 | -4.1 | 56% | 18.6 | 11.6 | -7.1 | 62% |
| | HARFORD | 23.9 | 14.8 | -9.1 | 62% | 44.7 | 32.1 | -12.6 | 72% | 9.6 | 7.0 | -2.6 | 73% | 20.0 | 14.5 | -5.5 | 73% |
| | HOWARD | 23.5 | 13.9 | -9.6 | 59% | 43.3 | 34.4 | -8.9 | 79% | 9.6 | 5.9 | -3.7 | 62% | 19.8 | 13.5 | -6.3 | 68% |
| | MONTGOMERY | 22.1 | 12.9 | -9.2 | 58% | 41.7 | 32.7 | -9.0 | 78% | 9.1 | 5.4 | -3.7 | 59% | 18.6 | 12.6 | -6.1 | 67% |
| | Regional Average | 23.2 | 14.0 | -9.2 | 60% | 43.1 | 33.2 | -10.0 | 77% | 9.5 | 6.4 | -3.1 | 68% | 19.5 | 13.6 | -5.9 | 70% |
| SOUTHERN REGION | ANNE ARUNDEL | 22.5 | 15.7 | -6.8 | 70% | 41.8 | 32.5 | -9.3 | 78% | 9.2 | 8.4 | -0.8 | 91% | 19.0 | 15.4 | -3.6 | 81% |
| | CALVERT | 23.0 | 17.8 | -5.2 | 77% | 43.0 | 32.4 | -10.6 | 75% | 9.5 | 11.1 | 1.6 | 117% | 19.4 | 17.6 | -1.9 | 90% |
| | CHARLES | 22.1 | 16.3 | -5.8 | 74% | 41.5 | 31.1 | -10.5 | 75% | 9.0 | 9.6 | 0.5 | 106% | 18.6 | 16.0 | -2.6 | 86% |
| | PRINCE GEORGES | 22.3 | 15.8 | -6.5 | 71% | 41.5 | 31.9 | -9.6 | 77% | 9.0 | 8.5 | -0.5 | 95% | 18.7 | 15.4 | -3.3 | 83% |
| | ST MARYS | 23.0 | 19.3 | -3.7 | 84% | 42.7 | 35.6 | -7.2 | 83% | 9.5 | 12.5 | 3.0 | 132% | 19.4 | 19.1 | -0.2 | 99% |
| | Regional Average | 22.6 | 17.0 | -5.6 | 75% | 42.1 | 32.7 | -9.4 | 78% | 9.2 | 10.0 | 0.8 | 108% | 19.0 | 16.7 | -2.3 | 88% |
| EASTERN REGION | CAROLINE | 22.8 | 18.8 | -4.1 | 82% | 42.4 | 36.4 | -6.1 | 86% | 9.4 | 11.6 | 2.1 | 123% | 19.4 | 18.7 | -0.7 | 96% |
| | DORCHESTER | 23.2 | 19.6 | -3.5 | 85% | 43.0 | 36.7 | -6.3 | 85% | 9.6 | 12.5 | 2.8 | 129% | 19.7 | 19.6 | -0.2 | 99% |
| | KENT | 22.7 | 16.6 | -6.2 | 73% | 42.4 | 31.9 | -10.5 | 75% | 9.4 | 9.4 | -0.0 | 100% | 19.2 | 16.3 | -2.9 | 85% |
| | QUEEN ANNES | 22.7 | 17.2 | -5.6 | 76% | 42.2 | 33.7 | -8.5 | 80% | 9.4 | 10.0 | 0.6 | 106% | 19.3 | 17.0 | -2.4 | 88% |
| | SOMERSET | 22.8 | 20.6 | -2.2 | 90% | 42.2 | 40.7 | -1.5 | 97% | 9.8 | 13.7 | 3.9 | 140% | 19.6 | 20.6 | 1.0 | 105% |
| | TALBOT | 23.1 | 18.4 | -4.7 | 80% | 42.9 | 36.6 | -6.3 | 85% | 9.6 | 11.2 | 1.7 | 118% | 19.6 | 18.3 | -1.3 | 94% |
| | WICOMICO | 20.5 | 11.5 | -9.0 | 56% | 38.8 | 29.5 | -9.3 | 76% | 8.5 | 5.5 | -3.0 | 64% | 17.4 | 11.0 | -6.4 | 63% |
| | WORCESTER | 23.7 | 20.3 | -3.4 | 85% | 43.3 | 38.0 | -5.3 | 88% | 9.9 | 13.5 | 3.6 | 137% | 20.3 | 20.2 | -0.0 | 100% |
| | Regional Average | 22.7 | 17.9 | -4.8 | 79% | 42.2 | 35.4 | -6.7 | 84% | 9.4 | 10.9 | 1.5 | 116% | 19.3 | 17.7 | -1.6 | 92% |
| INDEPENDENT CITY OF BALTIMORE | | 24.3 | 14.1 | -10.2 | 58% | 44.4 | 33.2 | -11.2 | 75% | 9.8 | 6.3 | -3.6 | 64% | 20.4 | 13.6 | -6.8 | 67% |
| Statewide Average | | 22.8 | 16.4 | -6.4 | 72% | 42.5 | 34.0 | -8.5 | 80% | 9.4 | 9.0 | -0.4 | 95% | 19.4 | 16.0 | -3.3 | 83% |

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2025 April 22

| Region | Stream Gage Location | Notes | Status Based on 30 Day Average | | |
|---------|--------------------------------------|-------|--------------------------------|------------|-----------|
| | | | 30 Day Average (cfs) | Percentage | Status |
| Western | Youghiogheny (near Oakland) | | 406.2 | 35%-40% | Normal |
| Western | Savage River (near Barton) | | 72.6 | 10%-15% | Watch |
| Western | Wills Creek (near Cumberland) | | 304 | 5%-10% | Warning |
| Western | Marsh Run (at Grimes) | | 5.9 | 5%-10% | Warning |
| Central | Catoctin Creek (near Middletown) | | 39.0 | 0%-5% | Emergency |
| Central | Monocacy (Jug Bridge near Frederick) | | 680 | 5%-10% | Warning |
| Central | Patuxent (near Unity) | | 19.3 | 0%-5% | Emergency |
| Central | Deer Cr (at Rocks) | | 77.5 | 0%-5% | Emergency |
| Eastern | Choptank (near Greensboro) | | 211.8 | 50%-55% | Normal |
| Eastern | Nassawango Creek (near Snow Hill) | | 79.5 | 50%-55% | Normal |
| | Susquehanna (at Marietta) | | 40,068 | 5%-10% | Warning |
| | Potomac (at Little Falls)(Adjusted) | | 7,934 | 0%-5% | Emergency |

Notes:

| Ground Water Status for 22 April 2025 | | | | |
|---|-----------------------|---------------|-------------|-----------|
| Region | USGS Well ID | Well Level[1] | Status | |
| Western | GA Bc 1 | 11.97 [3] | Normal | Emergency |
| | AL Ah 1 | 4.36 [2] | Watch | |
| | WA Be 2 | 33.88 [2] | Warning | |
| | WA Bk 25 | 48.70 [3] | Emergency | |
| | WA Ci 82 | 53.94 [2] | Emergency | |
| Central | BA Dc 444 | 43.35 [3] | Emergency | Warning |
| | BA Ea 18 | 25.05 [2] | Watch | |
| | CL Ad 47 | 3.24 [3] | Watch | |
| | Fr Bd 96 | 19.22 [2] | Watch | |
| | Fr Df 35 | 59.01 [2] | Watch | |
| | HA Bd 31 | 14.20 [2] | Warning | |
| | HA Ca 23 | 8.90 [2] | Emergency | |
| | MO Cc 14 | 33.33 [2] | Watch | |
| Eastern | QA Cg 69 | 4.48 [2] | Watch | Warning |
| | WI Cg 20 | 5.72 [2] | Emergency | |
| | MC51-01 | 12.41 [3] | Watch | |
| | SO Cf 2 | 1.39 [3] | Normal | |
| Southern | CH Bg 12 (unconfined) | 2.99 [3] | Watch | Normal |
| | CA Fd 54 (confined) | 242.76 [3] | On Trend[4] | |
| [1] - Measurement of water level as feet below land surface | | | | |
| [2] - Not Available as of 2025-04-23 | | | | |
| [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:

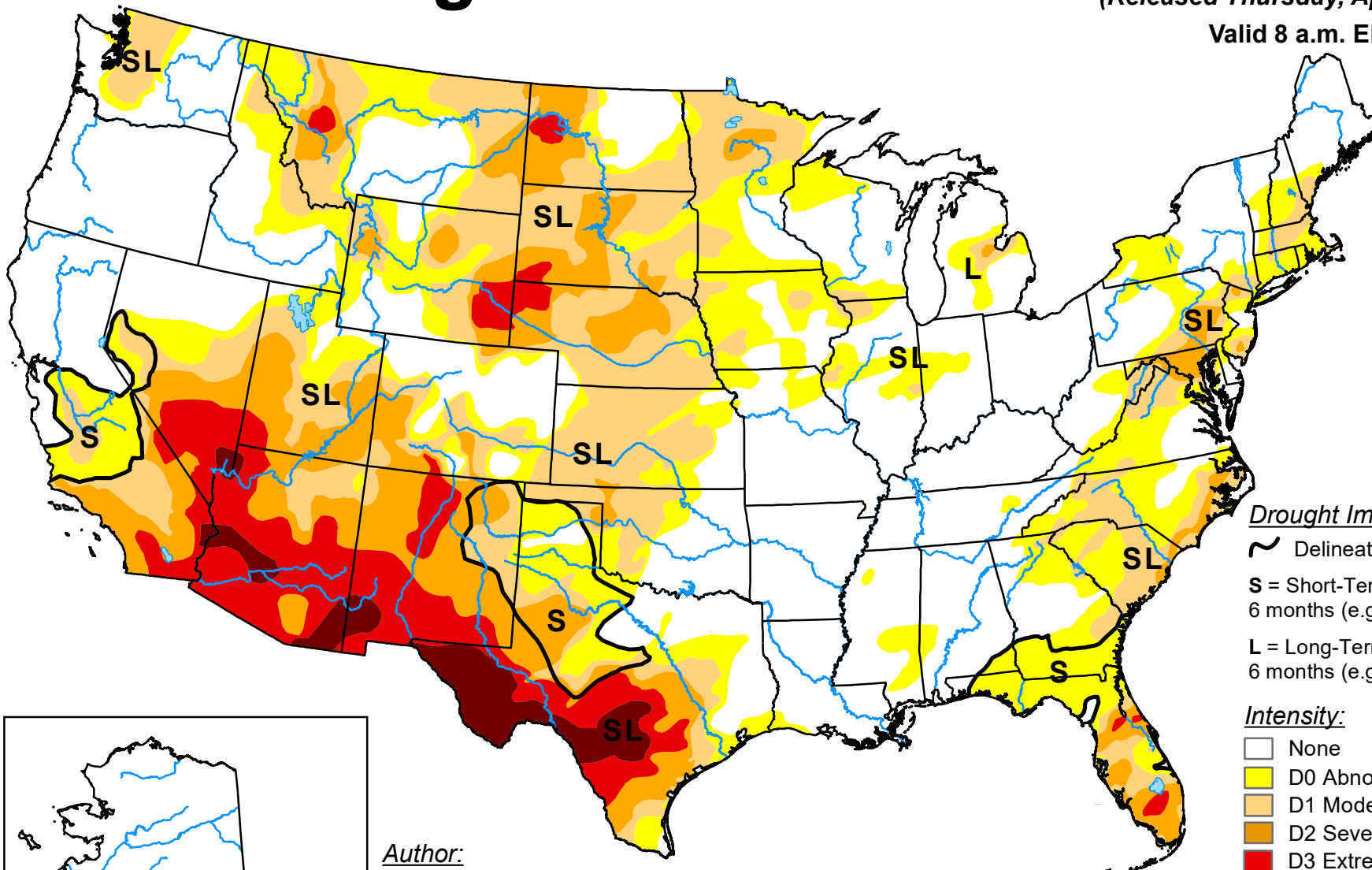
[USGS - NWIS Web Information for USA](#)

U.S. Drought Monitor

April 22, 2025

(Released Thursday, Apr. 24, 2025)

Valid 8 a.m. EDT



Drought Impact Types:

~ Delineates dominant impacts

S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)

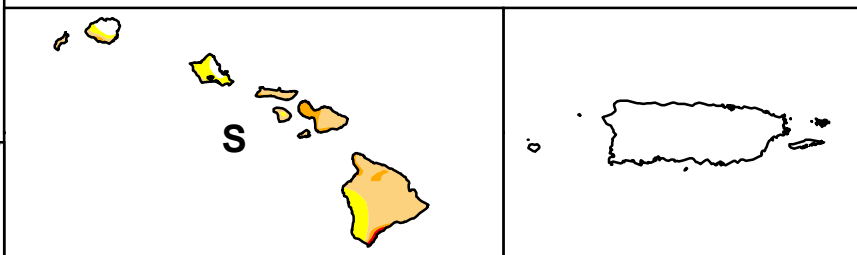
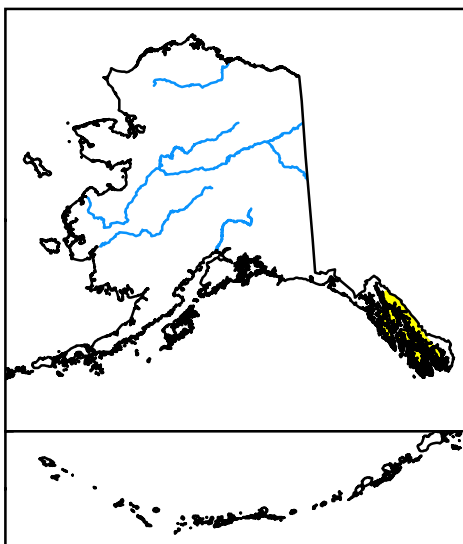
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

Author:

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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

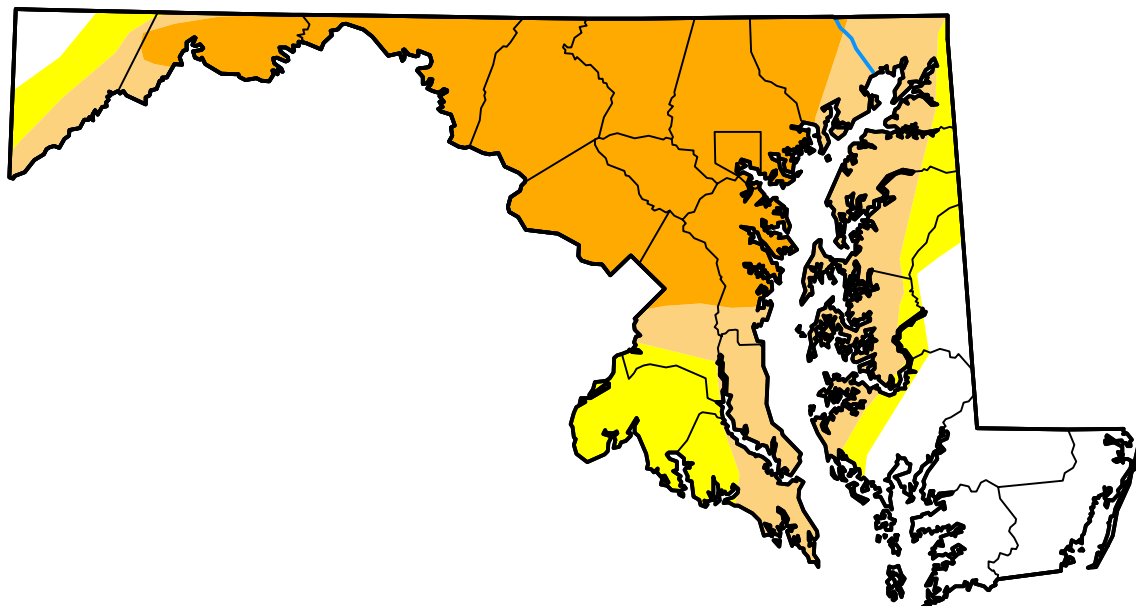
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Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|--|--------|-------|-------|-------|-------|------|
| Current | 19.36 | 80.64 | 65.36 | 43.03 | 0.00 | 0.00 |
| Last Week <i>04-15-2025</i> | 19.36 | 80.64 | 65.36 | 43.03 | 0.00 | 0.00 |
| 3 Months Ago <i>01-21-2025</i> | 1.19 | 98.81 | 95.30 | 53.59 | 0.00 | 0.00 |
| Start of Calendar Year <i>01-07-2025</i> | 1.19 | 98.81 | 95.30 | 51.57 | 0.00 | 0.00 |
| Start of Water Year <i>10-01-2024</i> | 18.77 | 81.23 | 21.65 | 9.89 | 4.07 | 0.00 |
| One Year Ago <i>04-23-2024</i> | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |



Intensity:

| | |
|---------------------|------------------------|
| None | D2 Severe Drought |
| D0 Abnormally Dry | D3 Extreme Drought |
| D1 Moderate Drought | D4 Exceptional Drought |

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