

Overall Hydrologic Status for Maryland

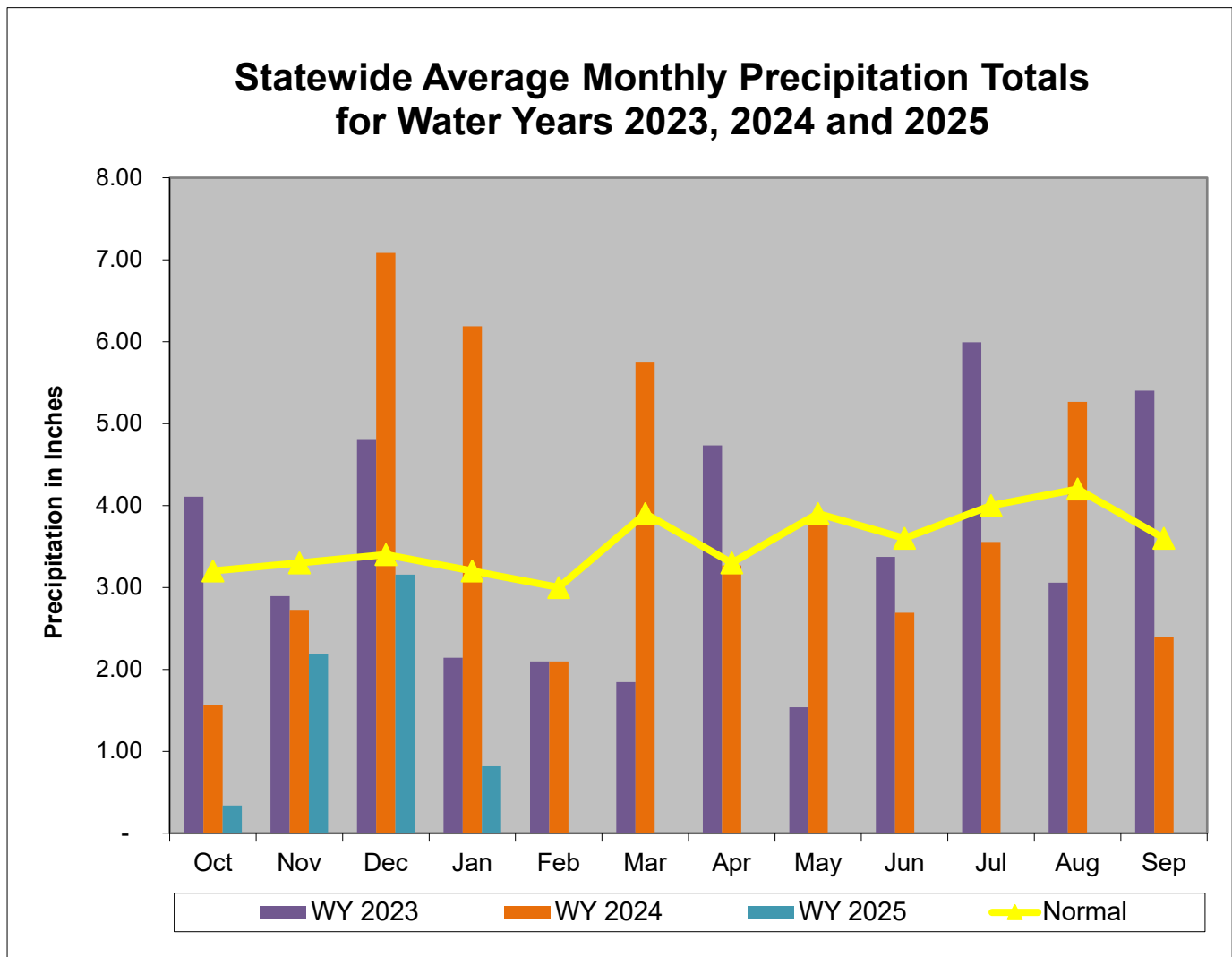
| Summary of Hydrologic Indicators for 15 January 2025 | | | | | |
|--|-----------|-------------|-------------|------------|----------------|
| | Rainfall | Stream Flow | Groundwater | Reservoirs | Overall Status |
| Western | Warning | Watch | Watch | Normal | Watch |
| Central | Emergency | Watch | Watch | Normal | Watch |
| Eastern | Emergency | Emergency | Emergency | | Warning |
| Southern | Emergency | | Watch | | Warning |

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

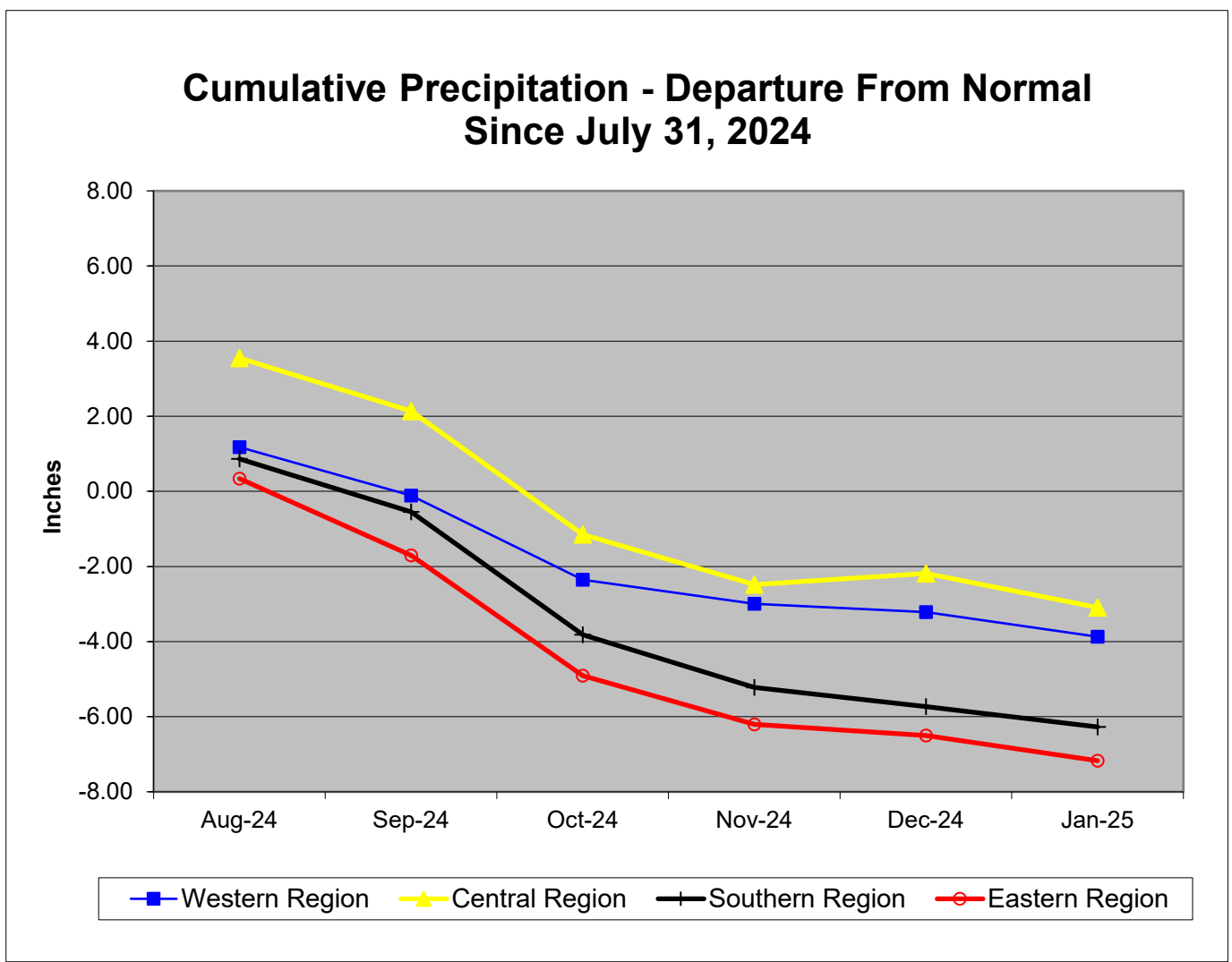
<https://www.mwcog.org/newsroom/2024/11/07/officials-extend-drought-watch-for-dc-region-drought/>

| Precipitation Indicators for Maryland Drought Regions | | | | | | |
|---|---------------------|-----------|---------------------|-----------|------------------------|-----------|
| January 15, 2025 | | | | | | |
| | Since Sept 30, 2024 | | Since July 31, 2024 | | Since January 31, 2024 | |
| Regions | Percent of Normal | Condition | Percent of Normal | Condition | Percent of Normal | Condition |
| Western | 66% | Warning | 79% | Watch | 87% | Normal |
| Central | 57% | Emergency | 84% | Normal | 87% | Normal |
| Eastern | 53% | Emergency | 63% | Warning | 85% | Normal |
| Southern | 51% | Emergency | 67% | Warning | 76% | 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 15 January 2025 (WY 2025)**

| | | Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches | | | | | | | | | | | | | | | |
|-------------------------------|------------------|---|--------|--------|------|---|--------|--------|-----|--|--------|--------|------|-------------------------------------|--------|--------|-----|
| | | WY ¹ To Date (Since September 30, 2024) | | | | 11.5 Months (Since January 31, 2024) | | | | 2.5 Months (Since October 31, 2024) | | | | 5.5 Months (Since July 31, 2024) | | | |
| | COUNTY | Normal | Actual | Depart | % | Normal | Actual | Depart | % | Normal | Actual | Depart | % | Normal | Actual | Depart | % |
| WESTERN REGION | ALLEGANY | 10.1 | 5.6 | -4.4 | 56% | 37.8 | 32.9 | -4.9 | 87% | 7.3 | 4.7 | -2.6 | 64% | 16.8 | 14.7 | -2.1 | 88% |
| | GARRETT | 11.7 | 10.6 | -1.0 | 91% | 44.7 | 41.9 | -2.8 | 94% | 8.7 | 9.4 | 0.7 | 108% | 19.1 | 17.3 | -1.7 | 91% |
| | WASHINGTON | 11.6 | 5.8 | -5.8 | 50% | 40.9 | 32.6 | -8.3 | 80% | 8.4 | 5.7 | -2.7 | 68% | 19.7 | 11.9 | -7.8 | 60% |
| | Regional Average | 11.1 | 7.3 | -3.8 | 66% | 41.1 | 35.8 | -5.3 | 87% | 8.1 | 6.6 | -1.5 | 81% | 18.5 | 14.6 | -3.9 | 79% |
| CENTRAL REGION | BALTIMORE COUNTY | 12.7 | 7.1 | -5.6 | 56% | 43.7 | 37.8 | -5.9 | 87% | 8.8 | 6.6 | -2.2 | 75% | 20.4 | 17.4 | -3.0 | 85% |
| | CARROLL | 11.9 | 6.9 | -5.0 | 58% | 41.9 | 37.7 | -4.2 | 90% | 8.3 | 6.3 | -2.0 | 76% | 19.6 | 17.9 | -1.8 | 91% |
| | CECIL | 12.3 | 6.8 | -5.5 | 55% | 43.2 | 37.4 | -5.8 | 87% | 8.7 | 6.7 | -1.9 | 78% | 20.3 | 12.8 | -7.5 | 63% |
| | FREDERICK | 11.4 | 6.3 | -5.1 | 55% | 40.8 | 36.7 | -4.1 | 90% | 8.0 | 5.9 | -2.2 | 73% | 18.7 | 16.7 | -2.0 | 89% |
| | HARFORD | 12.6 | 7.1 | -5.5 | 56% | 44.1 | 36.2 | -7.9 | 82% | 8.7 | 6.8 | -1.9 | 78% | 20.7 | 15.0 | -5.7 | 72% |
| | HOWARD | 12.2 | 7.2 | -5.0 | 59% | 42.7 | 37.9 | -4.8 | 89% | 8.5 | 6.8 | -1.7 | 80% | 19.6 | 18.9 | -0.7 | 96% |
| | MONTGOMERY | 11.5 | 6.6 | -4.9 | 58% | 41.2 | 35.3 | -5.9 | 86% | 8.0 | 6.3 | -1.7 | 79% | 18.9 | 17.9 | -1.0 | 94% |
| | Regional Average | 12.1 | 6.8 | -5.2 | 57% | 42.5 | 37.0 | -5.5 | 87% | 8.4 | 6.5 | -2.0 | 77% | 19.7 | 16.6 | -3.1 | 84% |
| SOUTHERN REGION | ANNE ARUNDEL | 11.7 | 6.5 | -5.2 | 55% | 41.2 | 33.3 | -7.9 | 81% | 8.2 | 6.1 | -2.1 | 75% | 19.0 | 15.2 | -3.8 | 80% |
| | CALVERT | 11.9 | 5.8 | -6.1 | 49% | 42.4 | 30.4 | -12.0 | 72% | 8.3 | 5.5 | -2.8 | 67% | 19.5 | 12.0 | -7.5 | 62% |
| | CHARLES | 11.5 | 5.7 | -5.9 | 49% | 40.9 | 30.2 | -10.8 | 74% | 8.0 | 5.4 | -2.6 | 67% | 19.0 | 11.7 | -7.3 | 62% |
| | PRINCE GEORGES | 11.7 | 6.3 | -5.4 | 54% | 40.9 | 31.4 | -9.5 | 77% | 8.1 | 5.9 | -2.2 | 73% | 19.0 | 14.6 | -4.4 | 77% |
| | ST MARYS | 11.8 | 5.8 | -6.0 | 49% | 42.1 | 32.4 | -9.7 | 77% | 8.2 | 5.6 | -2.6 | 68% | 19.6 | 11.3 | -8.4 | 57% |
| | Regional Average | 11.7 | 6.0 | -5.7 | 51% | 41.5 | 31.5 | -10.0 | 76% | 8.2 | 5.7 | -2.5 | 70% | 19.2 | 12.9 | -6.3 | 67% |
| EASTERN REGION | CAROLINE | 11.7 | 6.4 | -5.3 | 55% | 41.7 | 35.9 | -5.8 | 86% | 8.3 | 6.4 | -1.9 | 77% | 19.5 | 11.9 | -7.6 | 61% |
| | DORCHESTER | 11.8 | 6.2 | -5.6 | 52% | 42.3 | 34.1 | -8.1 | 81% | 8.3 | 6.1 | -2.2 | 73% | 19.4 | 11.5 | -7.9 | 59% |
| | KENT | 11.7 | 6.5 | -5.3 | 55% | 41.8 | 33.9 | -7.9 | 81% | 8.2 | 6.2 | -2.0 | 75% | 19.4 | 11.6 | -7.9 | 60% |
| | QUEEN ANNES | 11.7 | 6.4 | -5.3 | 55% | 41.6 | 34.5 | -7.1 | 83% | 8.3 | 6.2 | -2.1 | 75% | 19.3 | 12.0 | -7.4 | 62% |
| | SOMERSET | 11.2 | 5.8 | -5.4 | 52% | 41.5 | 38.4 | -3.1 | 93% | 8.0 | 5.8 | -2.2 | 72% | 19.4 | 11.7 | -7.6 | 61% |
| | TALBOT | 11.9 | 6.3 | -5.6 | 53% | 42.3 | 35.7 | -6.5 | 85% | 8.4 | 6.2 | -2.2 | 74% | 19.6 | 12.7 | -6.9 | 65% |
| | WICOMICO | 10.6 | 5.6 | -5.0 | 52% | 39.7 | 37.7 | -2.1 | 95% | 7.5 | 5.0 | -2.5 | 66% | 17.6 | 14.7 | -3.0 | 83% |
| | WORCESTER | 12.0 | 5.6 | -6.4 | 47% | 42.5 | 34.7 | -7.8 | 82% | 8.6 | 5.6 | -3.0 | 65% | 20.3 | 11.1 | -9.2 | 54% |
| Regional Average | 11.6 | 6.1 | -5.5 | 53% | 41.7 | 35.6 | -6.1 | 85% | 8.2 | 5.9 | -2.3 | 72% | 19.3 | 12.1 | -7.2 | 63% | |
| INDEPENDENT CITY OF BALTIMORE | | 12.7 | 7.1 | -5.6 | 56% | 43.7 | 37.8 | -5.9 | 87% | 8.8 | 6.6 | -2.2 | 75% | 20.4 | 17.4 | -3.0 | 85% |
| Statewide Average | | 11.7 | 6.5 | -5.2 | 55% | 41.9 | 35.3 | -6.6 | 84% | 8.3 | 6.2 | -2.1 | 74% | 19.4 | 14.1 | -5.2 | 73% |

WY¹ - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2025 January 15

| Region | Stream Gage Location | Notes | Status Based on 30 Day Average | | |
|---------|--------------------------------------|-------|--------------------------------|------------|-----------|
| | | | 30 Day Average (cfs) | Percentage | Status |
| Western | Youghiogheny (near Oakland) | [1] | 413.7 | 45%-50% | Normal |
| Western | Savage River (near Barton) | [1] | 52.5 | 25%-30% | Normal |
| Western | Wills Creek (near Cumberland) | [1] | 292 | 40%-45% | Normal |
| Western | Marsh Run (at Grimes) | [1] | 5.2 | 20%-25% | Watch |
| Central | Catoctin Creek (near Middletown) | [1] | 25.3 | 10%-15% | Watch |
| Central | Monocacy (Jug Bridge near Frederick) | [1] | 559 | 20%-25% | Watch |
| Central | Patuxent (near Unity) | [1] | 24.0 | 25%-30% | Normal |
| Central | Deer Cr (at Rocks) | [1] | 64.6 | 5%-10% | Warning |
| Eastern | Choptank (near Greensboro) | | 22.1 | 0%-5% | Emergency |
| Eastern | Nassawango Creek (near Snow Hill) | | 1.7 | 0%-5% | Emergency |
| | Susquehanna (at Marietta) | | 36,420 | 45%-50% | Normal |
| | Potomac (at Little Falls)(Adjusted) | [1] | 5,932 | 15%-20% | Watch |

Notes:

[1] Some data missing due to ice

| Ground Water Status for 15 January 2025 | | | | | |
|--|-----------------------|---------------|-------------|-------|-----------|
| Region | USGS Well ID | Well Level[1] | Status | | |
| Western | GA Bc 1 | 14.1 [3] | Watch | | |
| | AL Ah 1 | 4.35 [2] | Normal | | |
| | WA Be 2 | 35.29 [2] | Watch | Watch | |
| | WA Bk 25 | 50.01 [3] | Warning | | |
| | WA Ci 82 | 52.5 [2] | Watch | | |
| Central | BA Dc 444 | 42.94 [3] | Watch | | |
| | BA Ea 18 | 24.97 [2] | Watch | | |
| | CL Ad 47 | 3.13 [3] | Warning | Watch | |
| | Fr Bd 96 | 17.56 [2] | Normal | | |
| | Fr Df 35 | 58.6 [2] | Normal | | |
| | HA Bd 31 | 16.46 [2] | Warning | | |
| | HA Ca 23 | 8.98 [2] | Emergency | | |
| | MO Cc 14 | 39.1 [2] | Watch | | |
| Eastern | QA Cg 69 | 5.52 [2] | Emergency | | Emergency |
| | WI Cg 20 | 8.57 [2] | Emergency | | |
| | MC51-01 | 15.78 [3] | Emergency | | |
| | SO Cf 2 | 6.45 [3] | Emergency | | |
| Southern | CH Bg 12 (unconfined) | 7.36 [3] | Emergency | Watch | |
| | CA Fd 54 (confined) | 242.87 [3] | On Trend[4] | | |
| <p>[1] - Measurement of water level as feet below land surface</p> <p>[2] - Not Available as of 2025-01-16</p> <p>[3] - Value computed from real time measurement</p> <p>[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:

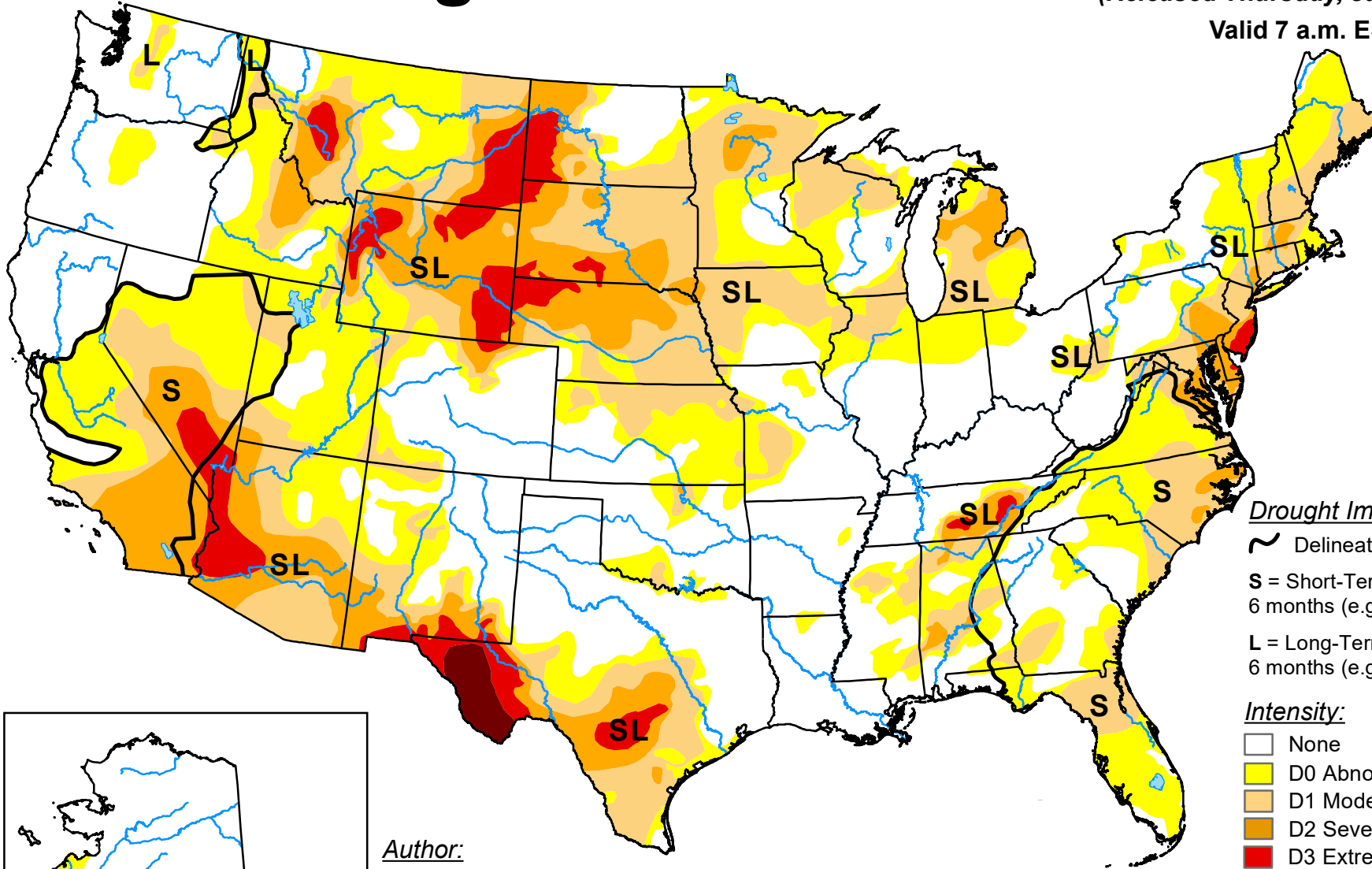
<http://md.water.usgs.gov/groundwater/>

Data for other wells may be downloaded from:

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

U.S. Drought Monitor

January 14, 2025
(Released Thursday, Jan. 16, 2025)
Valid 7 a.m. EST



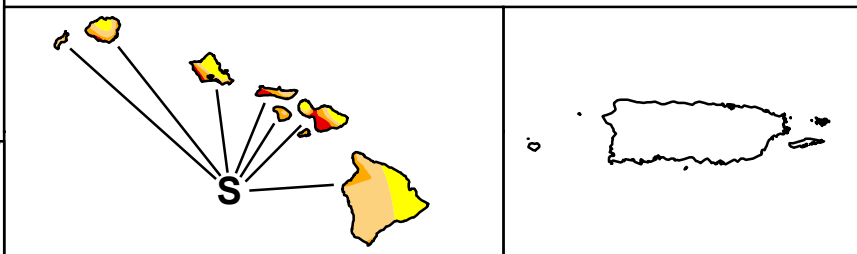
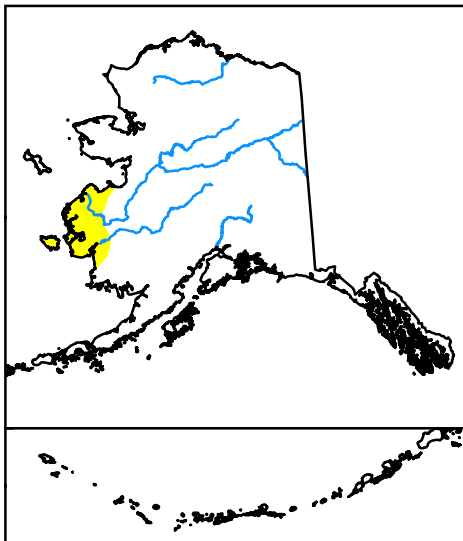
Drought Impact Types:

- ~ 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>



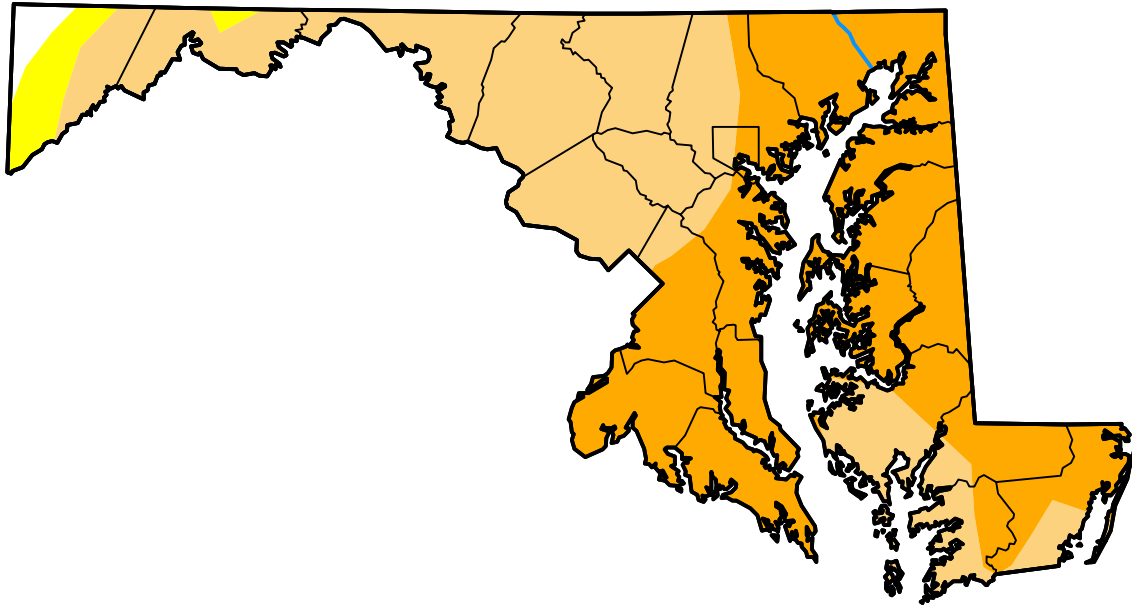
droughtmonitor.unl.edu

U.S. Drought Monitor Maryland

January 14, 2025
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Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|--|--------|-------|-------|-------|-------|------|
| Current | 1.19 | 98.81 | 95.30 | 51.57 | 0.00 | 0.00 |
| Last Week <i>01-07-2025</i> | 1.19 | 98.81 | 95.30 | 51.57 | 0.00 | 0.00 |
| 3 Months Ago <i>10-15-2024</i> | 16.18 | 83.82 | 25.58 | 10.43 | 4.07 | 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>01-16-2024</i> | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |



Intensity:



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