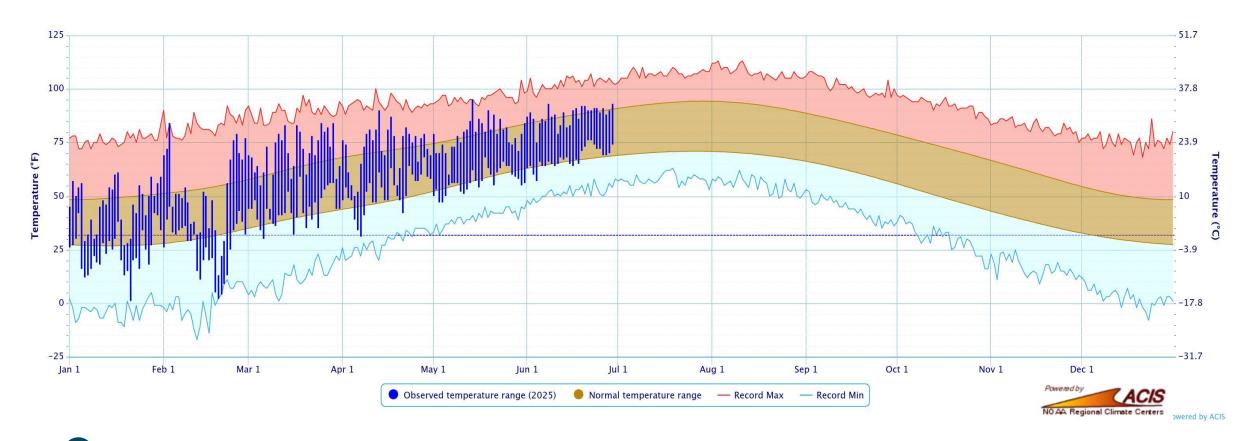


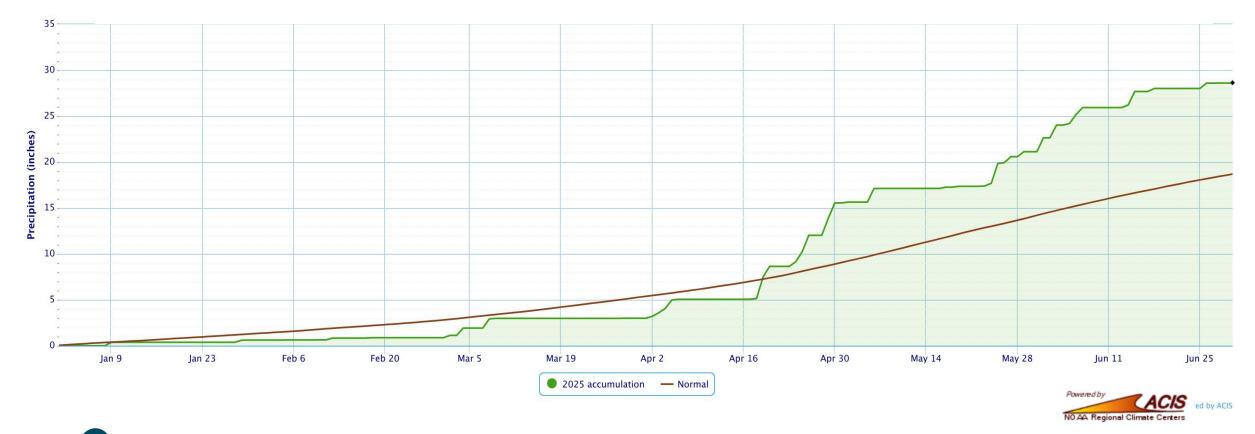
# TEMPERATURE PLOT FOR OKLAHOMA CITY, OKLAHOMA FOR 2025





# PRECIPITATION PLOT FOR OKLAHOMA CITY, OKLAHOMA FOR 2025





### RAINFALL SUMMARIES BY OKLAHOMA CLIMATE DIVISION



| Calendar Year 01-Jan-2025 though | 29-Jun-2025 |
|----------------------------------|-------------|
|----------------------------------|-------------|

| Climate Division | Total Rainfall | Departure from<br>Normal | Pct of Normal | Rank since 1921<br>(88 periods) | Driest on Record | Wettest on Record |
|------------------|----------------|--------------------------|---------------|---------------------------------|------------------|-------------------|
| W. Central       | 5.76"          | +1.58"                   | 138%          | 14th wettest                    | 0.11"            | 8.75"             |
| Central          | 8.49"          | +3.50"                   | 170%          | 7th wettest                     | 0.34"            | 12.54"            |
| S. Central       | 5.76"          | +0.90"                   | 118%          | 25th wettest                    | 0.19"            | 10.33"            |
| Statewide        | 6.86"          | +2.30"                   | 150%          | 10th wettest                    | 0.41"            | 9.47"             |

Water Year 01-Oct-2024 though 29-Jun-2025

| Climate Division | Total Rainfall | Departure from<br>Normal | Pct of Normal | Rank since 1921<br>(88 periods) | Driest on Record | Wettest on Record |
|------------------|----------------|--------------------------|---------------|---------------------------------|------------------|-------------------|
| W. Central       | 26.54"         | +6.17"                   | 130%          | 12th wettest                    | 9.62"            | 33.92"            |
| Central          | 38.63"         | +10.90"                  | 139%          | 5th wettest                     | 14.14"           | 43.44"            |
| S. Central       | 41.23"         | +9.99"                   | 132%          | 11th wettest                    | 13.18"           | 50.85"            |
| Statewide        | 35.47"         | +8.50"                   | 132%          | 8th wettest                     | 14.32"           | 38.41"            |

Summer June 01 through 29-Jun-2025

| Climate Division | Total Rainfall | Departure from<br>Normal | Pct of Normal | Rank since 1921<br>(88 periods) | Driest on Record | Wettest on Record |
|------------------|----------------|--------------------------|---------------|---------------------------------|------------------|-------------------|
| W. Central       | 5.76"          | +1.74"                   | 143%          | 13th wettest                    | 0.11"            | 8.75"             |
| Central          | 8.48"          | +3.67"                   | 176%          | 7th wettest                     | 0.34"            | 12.31"            |
| S. Central       | 5.76"          | +1.08"                   | 123%          | 20th wettest                    | 0.19"            | 9.95"             |
| Statewide        | 6.84"          | +2.44"                   | 156%          | 10th wettest                    | 0.41"            | 9.30"             |





The climate divisions shown include statewide totals, central Oklahoma totals, and totals for the two divisions which have Canton Lake and Lake Atoka—major water sources for central Oklahoma.

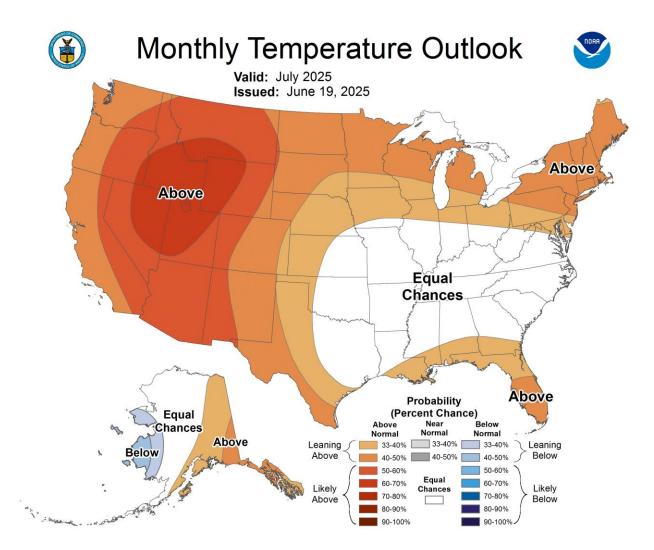
#### NOAA ONE-MONTH TEMPERATURE OUTLOOK



White areas are shown as EC (Equal Chance) on these maps represent areas where there are no strong climate signals from the climate tools to have skill in preferring one category over another.

That doesn't mean that there are equal chances of each of the categories occurring – it means that currently there is no skill in identifying the most likely category. In these areas, it is best to be prepared for all possibilities.

Climate Prediction Center - Updated OFFICIAL 30-Day Forecasts (noaa.gov)/



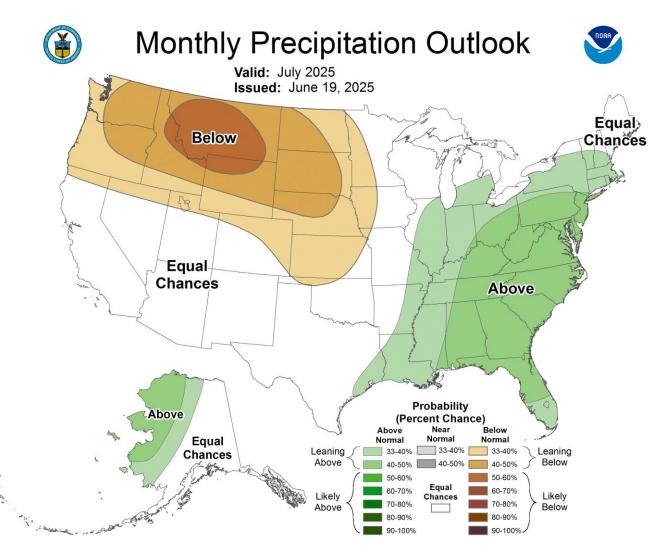
#### NOAA ONE-MONTH PRECIPITATION OUTLOOK



White areas are shown as EC (Equal Chance) on these maps represent areas where there are no strong climate signals from the climate tools to have skill in preferring one category over another.

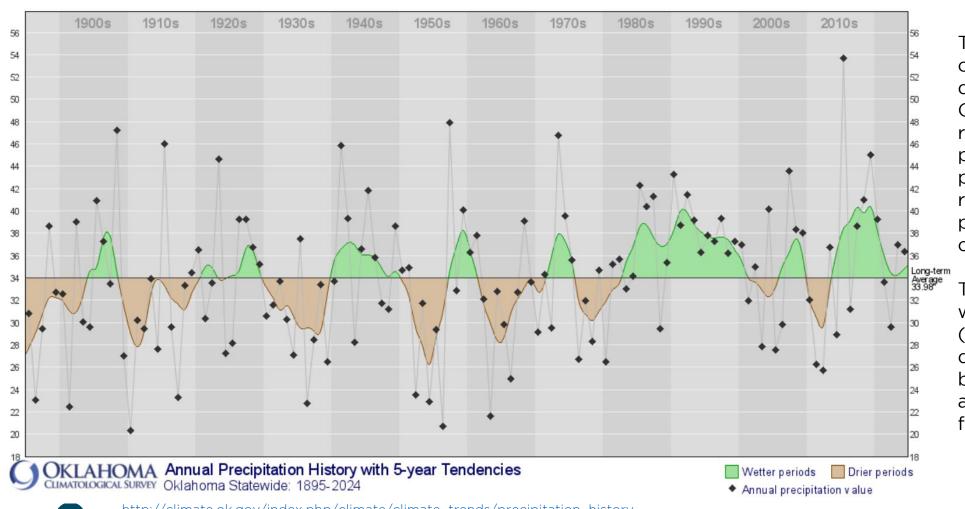
That doesn't mean that there are equal chances of each of the categories occurring – it means that currently there is no skill in identifying the most likely category. In these areas, it is best to be prepared for all possibilities.

Climate Prediction Center - Updated OFFICIAL 30-Day Forecasts (noaa.gov)/



# Annual Precipitation History with 5-Year Tendencies





This graph shows the cyclical nature of wet and drought periods in Oklahoma. The black dots represent the annual precipitation for that particular year. The line represents the annual precipitation data smoothed over five years.

This smoothed line shows well the wet periods (shaded green) and the drought periods (shaded brown). The drought cycles appear to average about five to eight years in length.



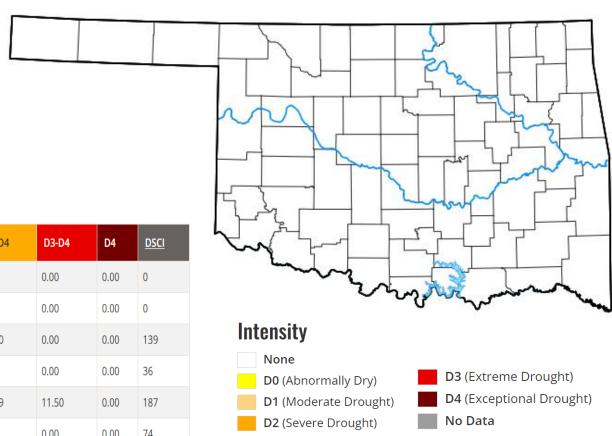
### U.S. DROUGHT MONITOR - OKLAHOMA



June 26, 2025

Abnormal dryness or drought is not currently affecting any people in Oklahoma.

| Week                              | Date       | None   | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4   | <u>DSCI</u> |
|-----------------------------------|------------|--------|-------|-------|-------|-------|------|-------------|
| Current                           | 2025-06-24 | 100.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0           |
| Last Week to Current              | 2025-06-17 | 100.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0           |
| 3 Months Ago to Current           | 2025-03-25 | 23.05  | 76.95 | 47.52 | 14.10 | 0.00  | 0.00 | 139         |
| Start of Calendar Year to Current | 2024-12-31 | 70.28  | 29.72 | 5.52  | 0.33  | 0.00  | 0.00 | 36          |
| Start of Water Year to Current    | 2024-10-01 | 22.82  | 77.18 | 61.31 | 37.39 | 11.50 | 0.00 | 187         |
| One Year Ago to Current           | 2024-06-25 | 47.88  | 52.12 | 20.48 | 1.03  | 0.00  | 0.00 | 74          |





### U.S. DROUGHT MONITOR NATIONWIDE MAP



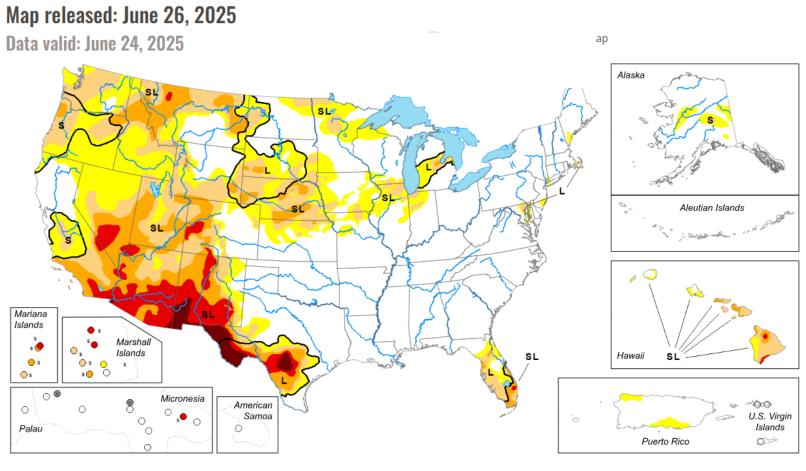
#### **Intensity and Impacts**



United States and Puerto Rico Author(s):

Deborah Bathke, National Drought Mitigation Center

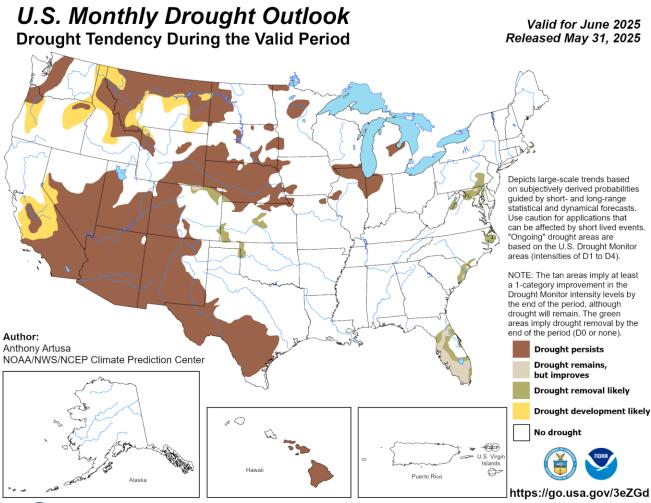
Pacific Islands and Virgin Islands Author(s): Ahira Sanchez-Lugo, NOAA/NCEI





### U.S. DROUGHT MONITOR MONTHLY DROUGHT OUTLOOK MAP



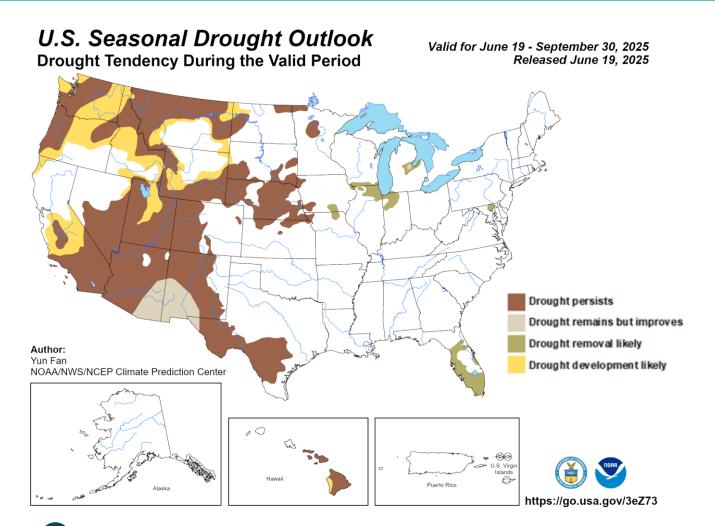


Depicts large-scale trends based on subjectively derived probabilities guided by short and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (DO or none).

## U.S. DROUGHT MONITOR SEASONAL DROUGHT OUTLOOK MAP





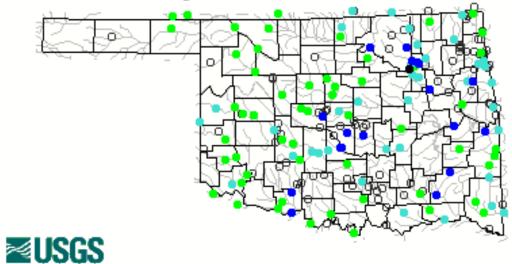
Depicts large-scale trends based on subjectively derived probabilities guided by short and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

### USGS STREAMFLOW DATA



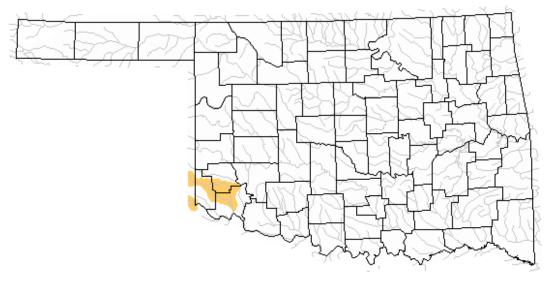
Friday, June 27, 2025 12:30ET



| Explanation - Percentile classes |                      |                 |        |                 |                      |          |             |  |
|----------------------------------|----------------------|-----------------|--------|-----------------|----------------------|----------|-------------|--|
| •                                | •                    | •               | •      |                 | •                    | •        | 0           |  |
| Low                              | <10                  | 10-24           | 25-75  | 76-90           | >90                  | I.F.a.b. | Not contrad |  |
| LOW                              | Much below<br>normal | Below<br>normal | Normal | Above<br>normal | Much above<br>normal | High     | Not-ranked  |  |

#### Below normal 28-day average streamflow

Thursday, June 26, 2025

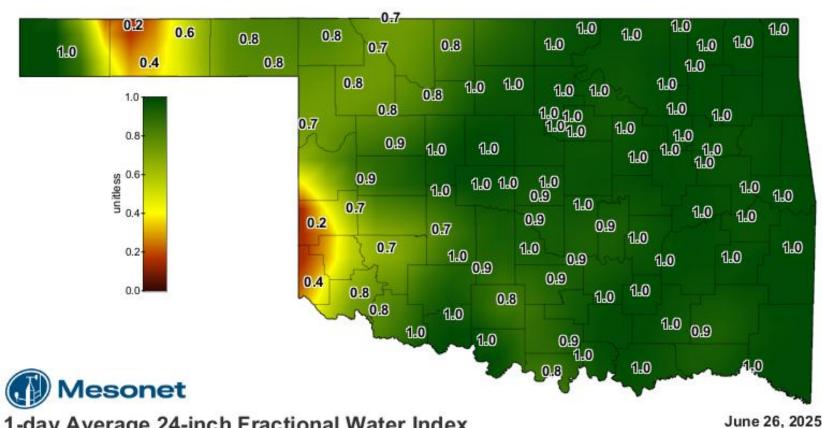


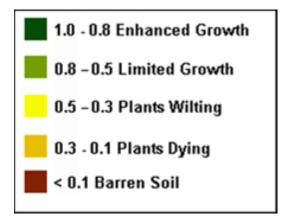


| Explanation - Percentile classes |                              |                             |                 |                   |  |  |  |  |  |
|----------------------------------|------------------------------|-----------------------------|-----------------|-------------------|--|--|--|--|--|
|                                  |                              |                             |                 |                   |  |  |  |  |  |
| Low                              | <=5                          | 6-9                         | 10-24           | Insufficient data |  |  |  |  |  |
| Extreme hydrologic drought       | Severe hydrologic<br>drought | Moderate hydrologic drought | Below<br>normal | region            |  |  |  |  |  |

#### **SOIL MOISTURE MAP**





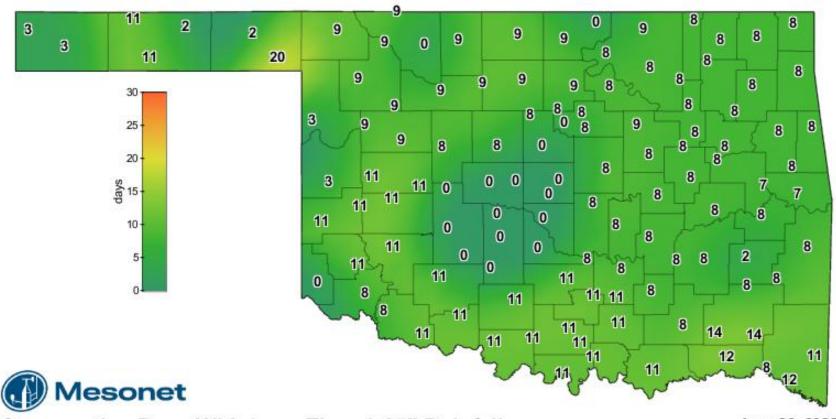


1-day Average 24-inch Fractional Water Index

Created 7:30:14 AM June 27, 2025 CDT. @ Copyright 2025

### CONSECUTIVE DAYS WITHOUT RAINFALL MAP



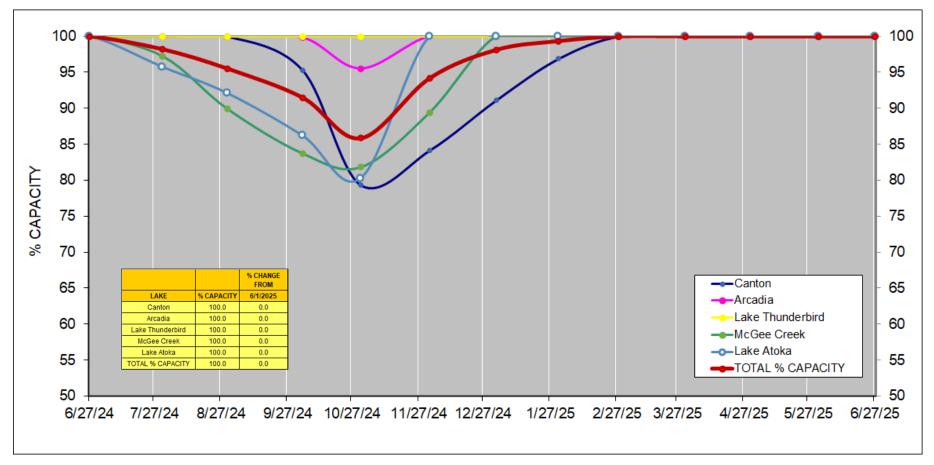


Consecutive Days With Less Than 0.25" Rainfall

Created 8: 15:02 AM June 27, 2025 CDT. @ Copyright 2025

# PERCENTAGE OF SURFACE WATER CONSERVATION CAPACITY IN CENTRAL OK RESERVOIRS

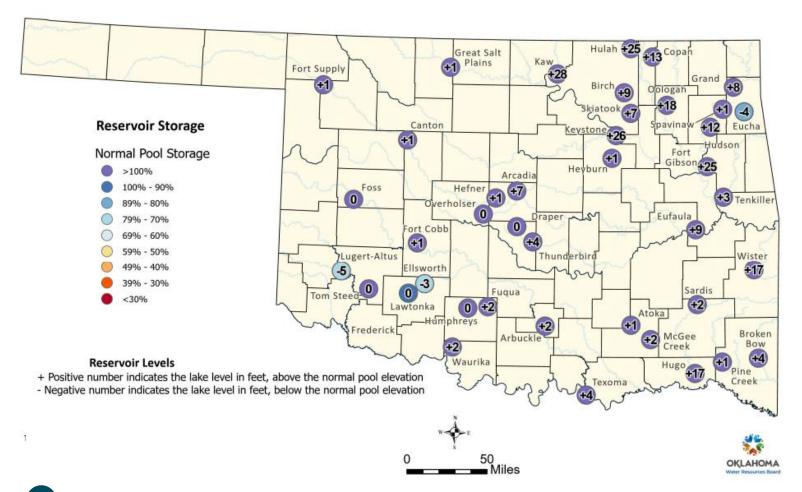




Lake Hefner and Lake Overholser are terminal storage for Canton Lake. Lake Draper is terminal storage for McGee Creek and Atoka Lakes.

#### OKLAHOMA RESERVOIR LEVELS AND STORAGE





#### OKLAHOMA RESERVOIR LEVELS AND STORAGE AS OF 6/01/2024

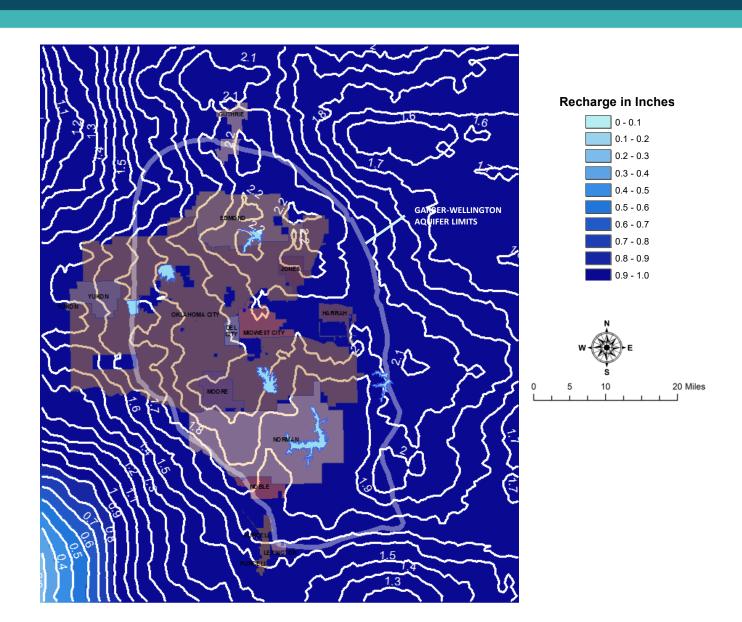
This map shows reservoir storage as a percentage of normal pool storage capacity. The source information was collected from real-time lake gages monitored by the U.S. Army Corps of Engineers (<a href="https://www.swt-wc.usace.army.mil/Daily\_Morning\_Reservoir\_Report.pdf">https://www.swt-wc.usace.army.mil/Daily\_Morning\_Reservoir\_Report.pdf</a>), and the U.S. Geological Survey (<a href="USGS Current">USGS Current</a> Conditions for USGS 07333010 Atoka Reservoir near Stringtown, OK). For more information, please visit the OWRB's website: <a href="Monthly Reservoir Storage.pdf">Monthly Reservoir Storage.pdf</a>



### MONTHLY AQUIFER RECHARGE



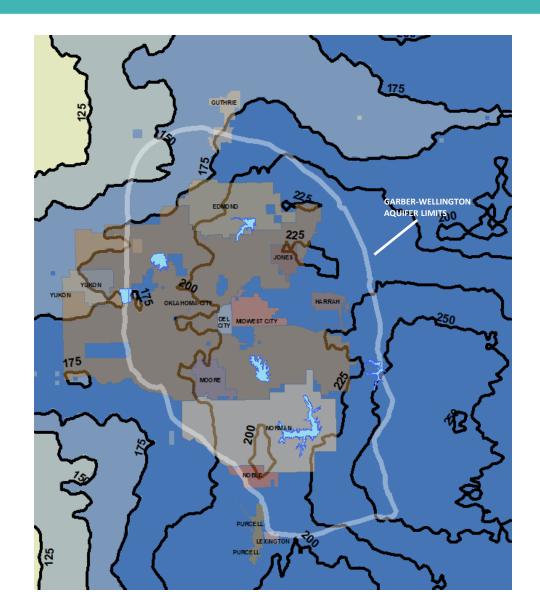
- Mean aquifer recharge in June 2025 was 1.72 inches.
- Normal mean recharge for June is 0.32 inches.
- We are 2.33 inches above normal for 2025.



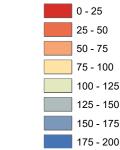
## PERCENT TOTAL CUMULATIVE AQUIFER RECHARGE – Last 12 Months

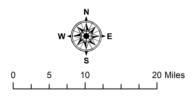


- Most of the recharge in the past 12 months was south and east of the metropolitan area.
- June 2025 had 1.72 inches of recharge.
   Normal mean recharge for June is 0.32 inches.
- Over the past 12 months the metropolitan area has received about 200% of annual recharge.





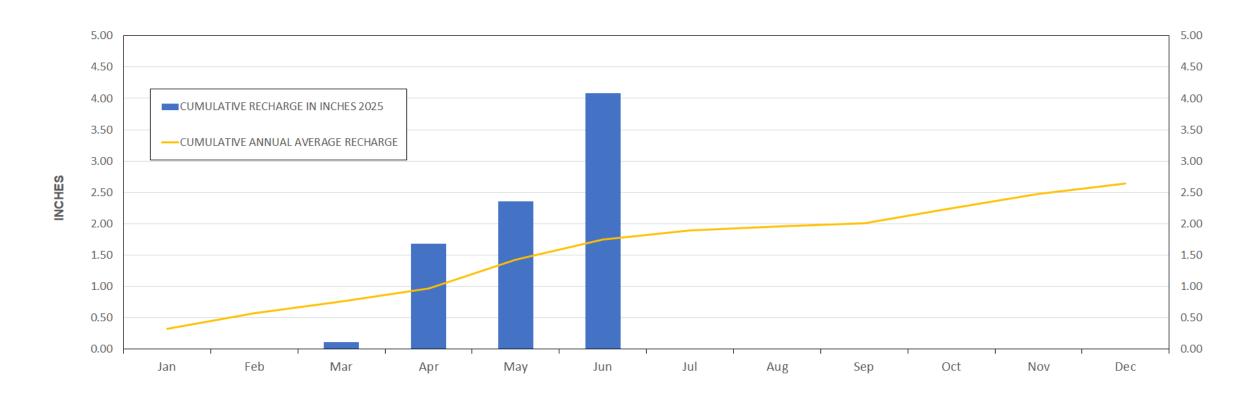




### RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM



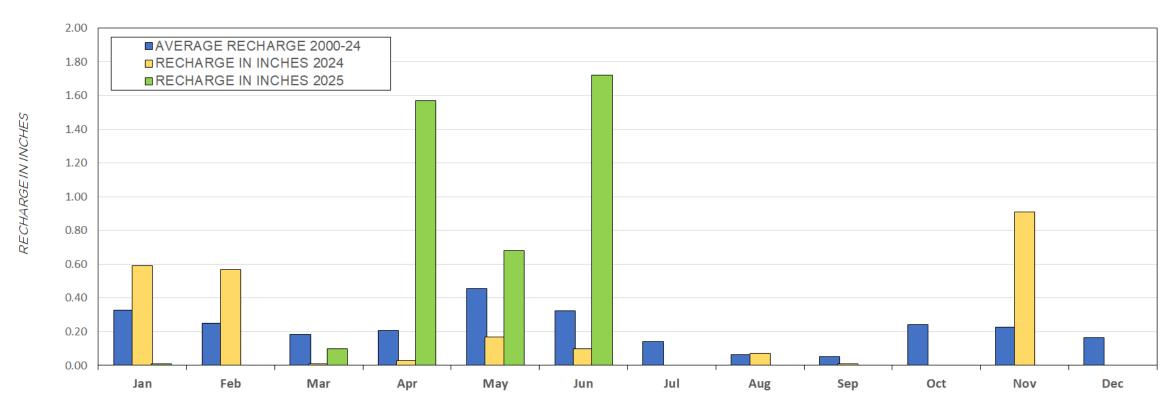
#### ACCUMULATED CENTRAL OKLAHOMA AQUIFER SYSTEM RECHARGE 2025



# RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM continued



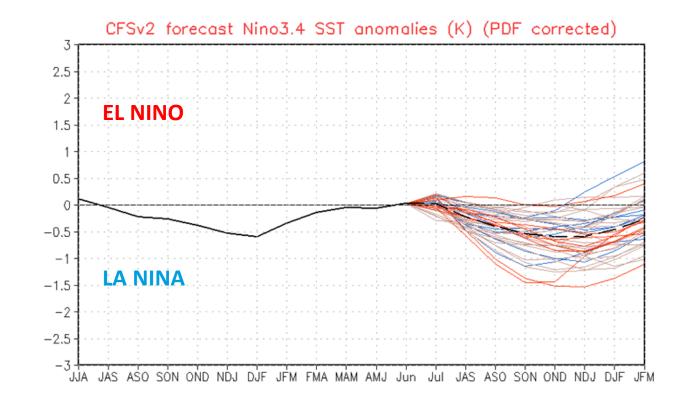
#### **MONTHLY AQUIFER RECHARGE 2025**

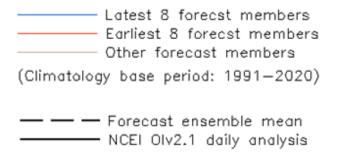




# ENSO CYCLE - RECENT EVOLUTION, CURRENT STATUS AND PREDICTIONS



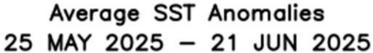


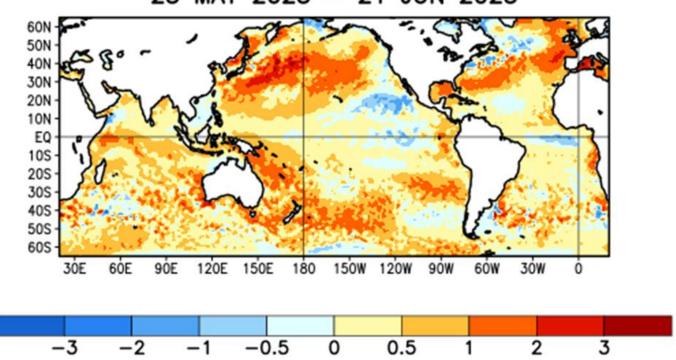




# ENSO CYCLE - RECENT EVOLUTION, CURRENT STATUS AND PREDICTIONS









#### **SUMMARY**



#### **ENSO Alert System Status: Not Active**

- ENSO-neutral conditions are present.
- Equatorial sea surface temperatures (SSTs) are near-average across most of the Pacific Ocean.
- ENSO-Neutral is likely in the Northern Hemisphere summer 2025 (82% chance in June-August) and may continue into winter 2025-26, though confidence is lower (48% chance of Neutral and 41% chance of La Niña in November-January).



