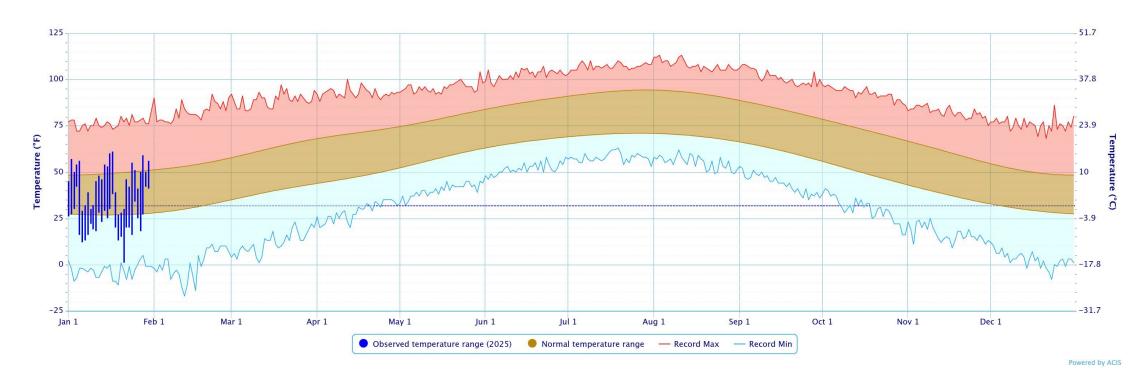


TEMPERATURE PLOT FOR OKLAHOMA CITY, OKLAHOMA FOR 2025







PRECIPITATION PLOT FOR OKLAHOMA CITY, OKLAHOMA FOR 2025







RAINFALL SUMMARIES BY OKLAHOMA CLIMATE DIVISION



Calendar Year	01-Jan-2024 though	30-Jan-2025
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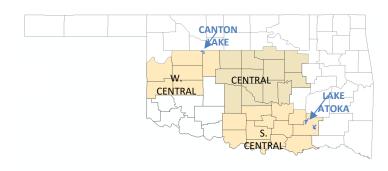
Climate Division	Total Rainfall	Departure from Normal	Pct of Normal	Rank since 1921 (88 periods)	Driest on Record	Wettest on Record
W. Central	0.37"	-0.54"	0.4	33rd driest	0.00"	3.92"
Central	0.68"	-0.70"	0.49	36th driest	0.00"	5.71"
S. Central	1.63"	-0.32"	0.84	51st wettest	0.02"	6.86"
Statewide	1.22"	-0.30"	0.81	51st driest	0.04"	5.27"

Water Year: 01-Oct-2023 through 30-Jan-2025

Climate Division	Total Rainfall	Departure from Normal	Pct of Normal	Rank since 1921 (88 periods)	Driest on Record	Wettest on Record
W. Central	8.86"	+2.41"	1.37	19th wettest	1.10"	13.41"
Central	11.26"	+1.77"	1.19	20th wettest	2.39"	17.17"
S. Central	12.14"	+0.50"	104%	30th wettest	2.11"	22.55"
Statewide	11.43"	+1.83"	1.19	22nd wettest	2.44"	15.80"

Winter Dec 01 through 30-Jan-2025

Climate Division	Total Rainfall	Departure from Normal	Pct of Normal	Rank since 1921 (88 periods)	Driest on Record	Wettest on Record
W. Central	0.50"	-1.63"	24%	10th driest	0.07"	5.38"
Central	1.81"	-1.56"	54%	28th driest	0.49"	9.11"
S. Central	3.81"	-0.74"	84%	51st driest	0.93"	10.95"
Statewide	2.74"	-0.85"	76%	40th driest	0.99"	7.43"





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.

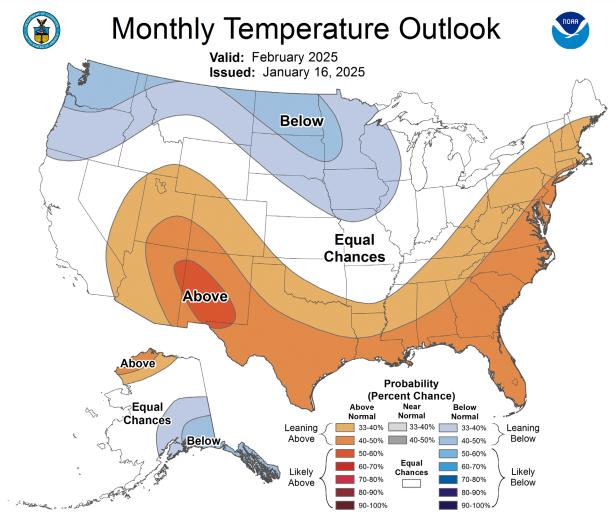
NOAA ONE-MONTH TEMPERATURE OUTLOOK



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)/



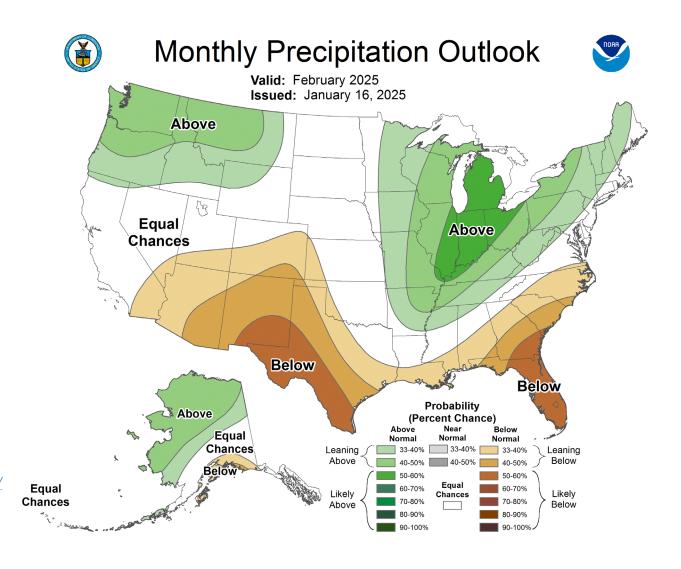
NOAA ONE-MONTH PRECIPITATION OUTLOOK



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.

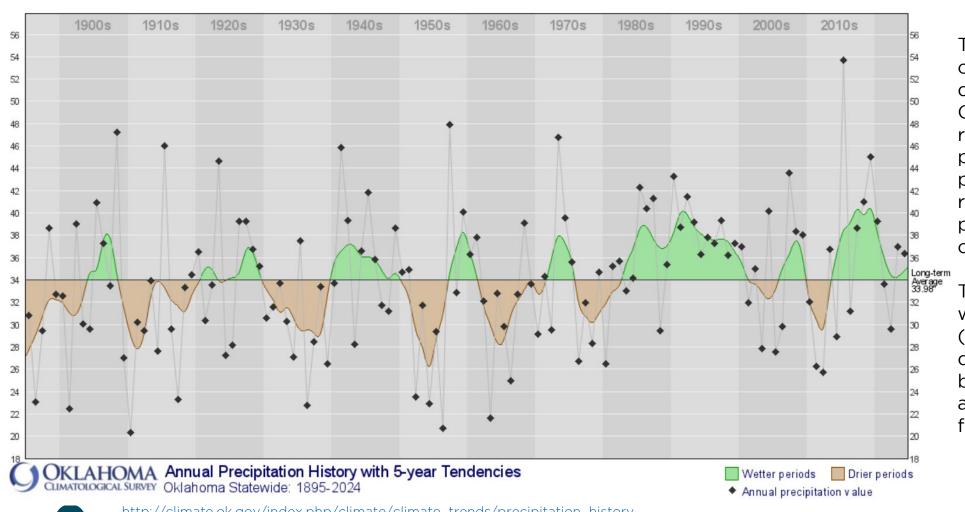
That doesn't mean that there are equal chances of each of the categories occurring – it means that currently there is no skill in identifying the most likely category. In these areas, it is best to be prepared for all possibilities.

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



Annual Precipitation History with 5-Year Tendencies





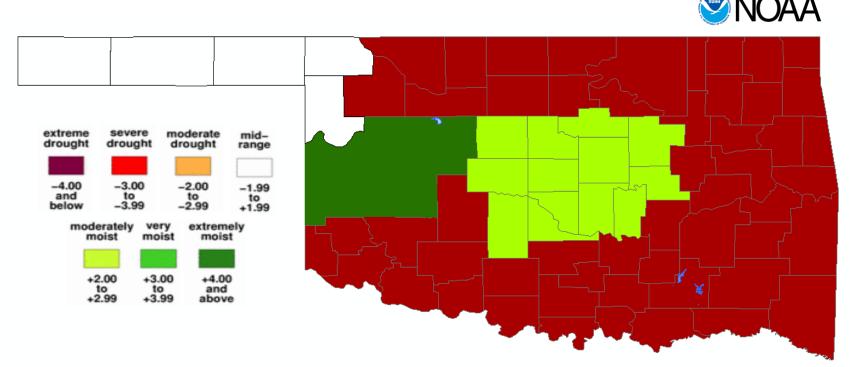
This graph shows the cyclical nature of wet and drought periods in Oklahoma. The black dots represent the annual precipitation for that particular year. The line represents the annual precipitation data smoothed over five years.

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.



DROUGHT SEVERITY INDEX BY CLIMATE DIVISION





The Palmer Drought Index (PDI) maps show long-term (cumulative) meteorological drought and wet conditions.

The maps show how the geographical pattern of the long-term moisture conditions has changed over the last 12 months.

On these maps, the red shading denotes drought conditions while the green shading indicates wet conditions.

PALMER VALUE

25 JAN 2025

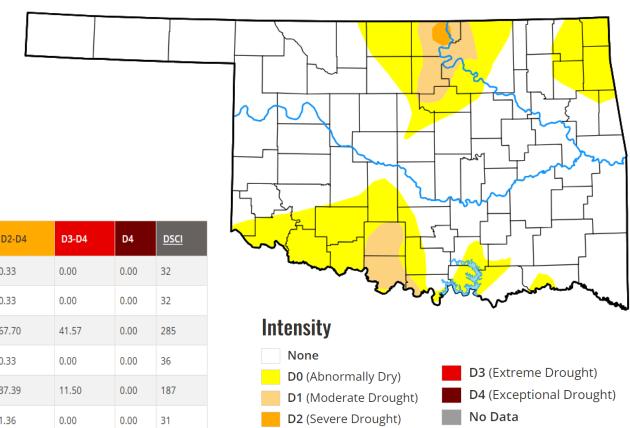
U.S. DROUGHT MONITOR - OKLAHOMA



January 31, 2025

Abnormal dryness or drought is currently affecting approximately 123,103 people in Oklahoma.

Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	<u>DSCI</u>
Current	2025-01-28	73.89	26.11	5.24	0.33	0.00	0.00	32
Last Week to Current	2025-01-21	73.89	26.11	5.24	0.33	0.00	0.00	32
3 Months Ago to Current	2024-10-29	7.73	92.27	83.54	67.70	41.57	0.00	285
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	2024-01-30	77.55	22.45	7.18	1.36	0.00	0.00	31





U.S. DROUGHT MONITOR NATIONWIDE MAP



Intensity and Impacts



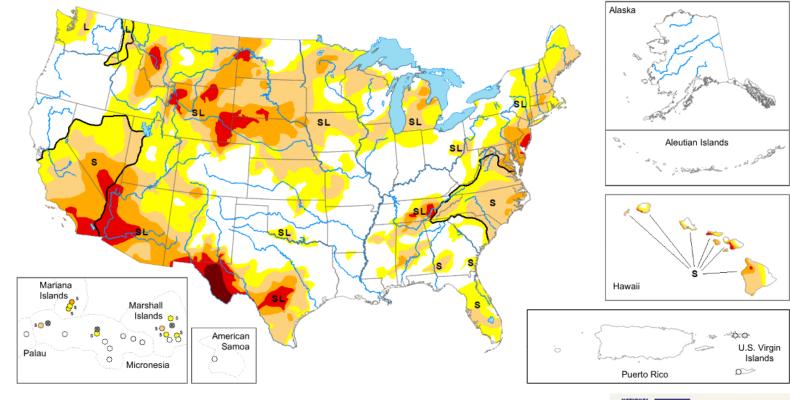
United States and Puerto Rico Author(s):

Deborah Bathke, National Drought Mitigation Center

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

Map released: January 30, 2025

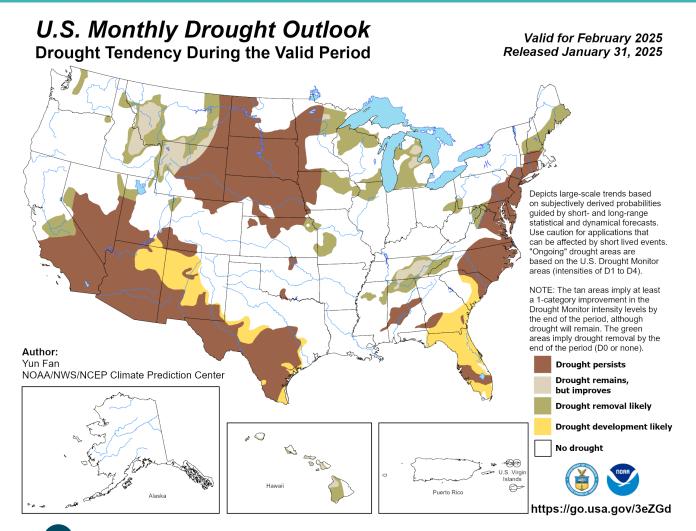
Data valid: January 28, 2025





U.S. DROUGHT MONITOR MONTHLY DROUGHT OUTLOOK MAP



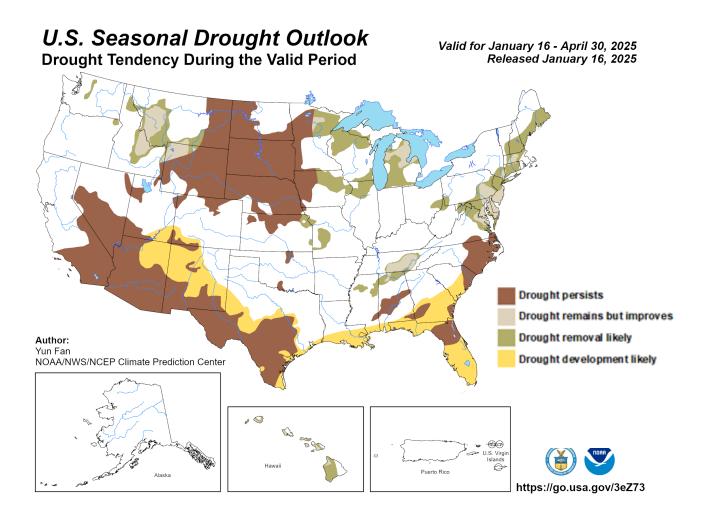


Depicts large-scale trends based on subjectively derived probabilities guided by short and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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



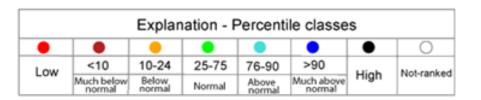


Depicts large-scale trends based on subjectively derived probabilities guided by short and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

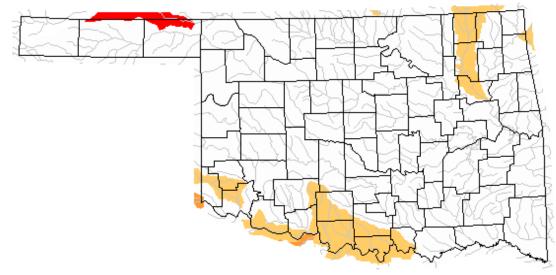
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

USGS STREAMFLOW DATA





Below normal 28-day average streamflow

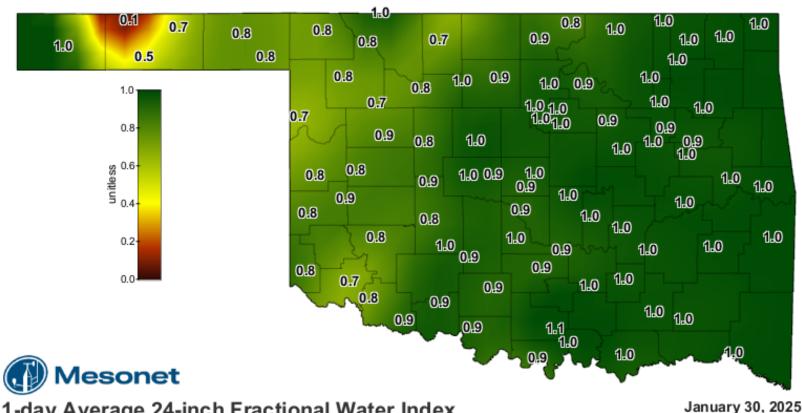


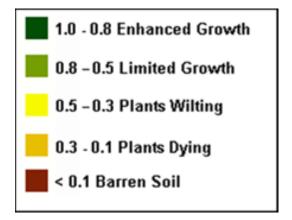


	Explanation	- Percentile clas	ses	
Low	<=5	6-9	10-24	hsufficentials
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below	tor a hydrolog o

SOIL MOISTURE MAP





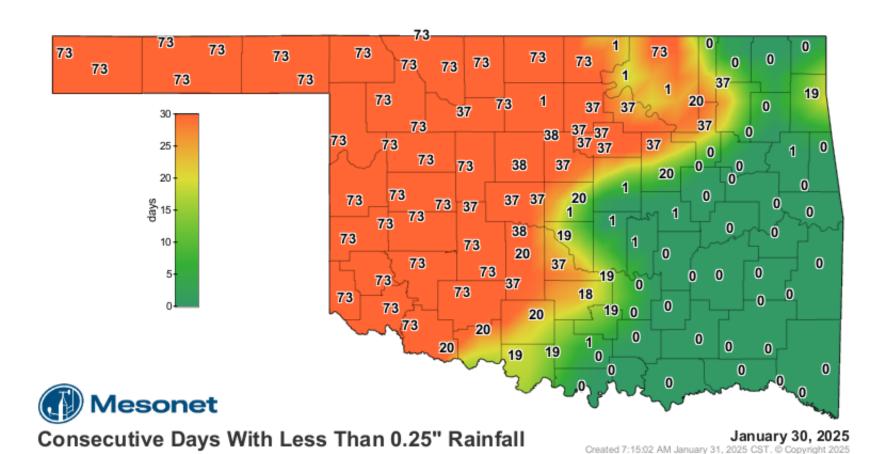


1-day Average 24-inch Fractional Water Index

Created 6:30:14 AM January 31, 2025 CST. © Copyright 2025

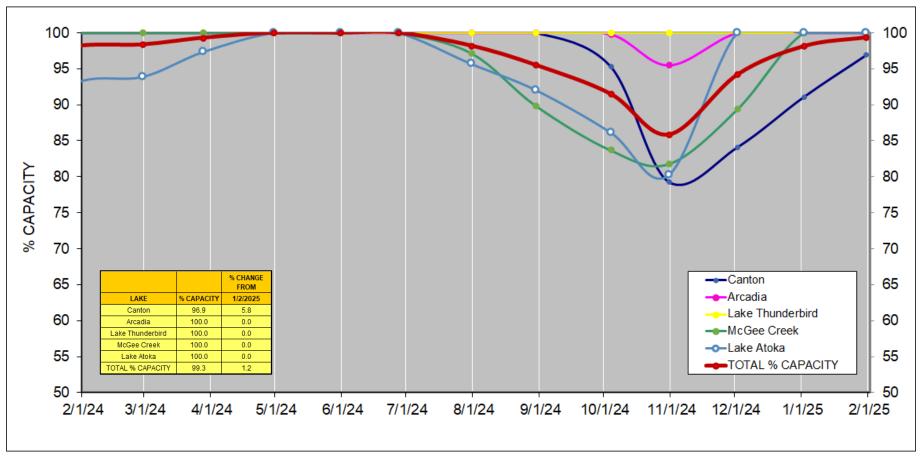
CONSECUTIVE DAYS WITHOUT RAINFALL MAP





PERCENTAGE OF SURFACE WATER CONSERVATION CAPACITY IN CENTRAL OK RESERVOIRS

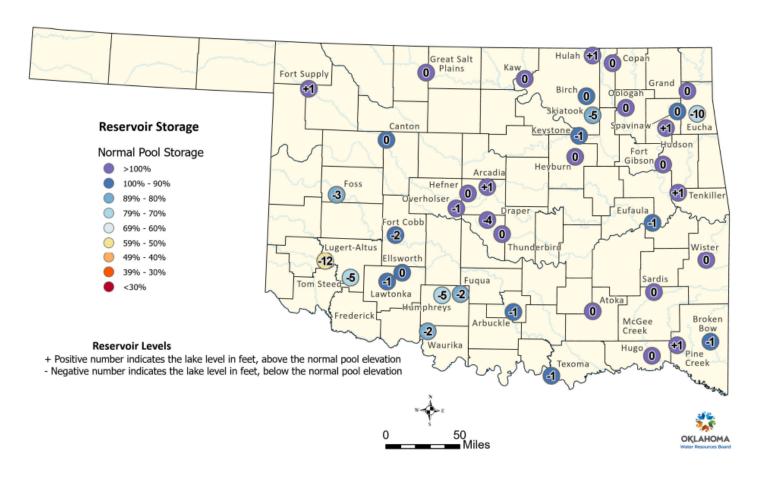




Lake Hefner and Lake Overholser are terminal storage for Canton Lake. Lake Draper is terminal storage for McGee Creek and Atoka Lakes.

OKLAHOMA RESERVOIR LEVELS AND STORAGE





OKLAHOMA RESERVOIR LEVELS AND STORAGE AS OF 11/27/2024

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 (https://www.swt-wc.usace.army.mil/Daily_Morning_Reservoir_Report.pdf), and the U.S. Geological Survey (USGS Current Conditions for USGS 07333010 Atoka Reservoir near Stringtown, OK). For more information, please visit the OWRB's website: Monthly Reservoir Storage.pdf

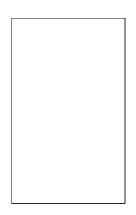


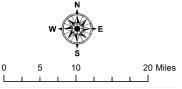
MONTHLY AQUIFER RECHARGE



- Mean aquifer recharge in January 2025 was 0.01 inches.
- Normal mean recharge for January is 0.33 inches.
- We are -0.32 inches below normal for 2025.





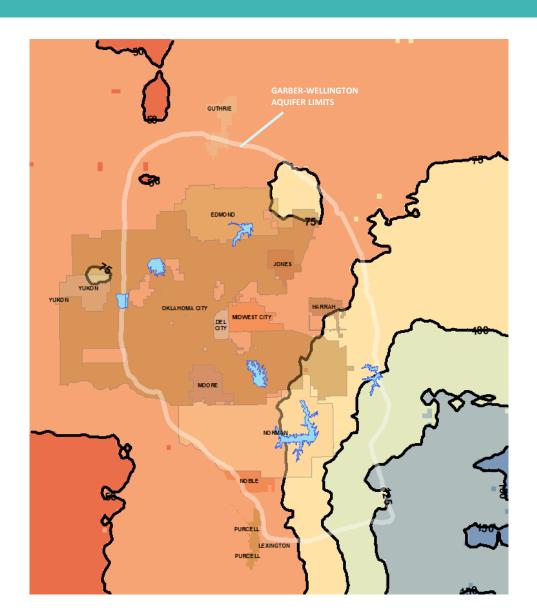


PERCENT TOTAL CUMULATIVE AQUIFER RECHARGE – Last 12 Months

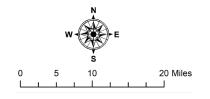


- Most of the recharge in the past 12 months was south and east of the metropolitan area.
- January 2025 had 0.01 inches of recharge.
 Normal mean recharge for January is 0.33 inches.
- Over the past 12 months the metropolitan area has received slightly less than normal annual recharge.





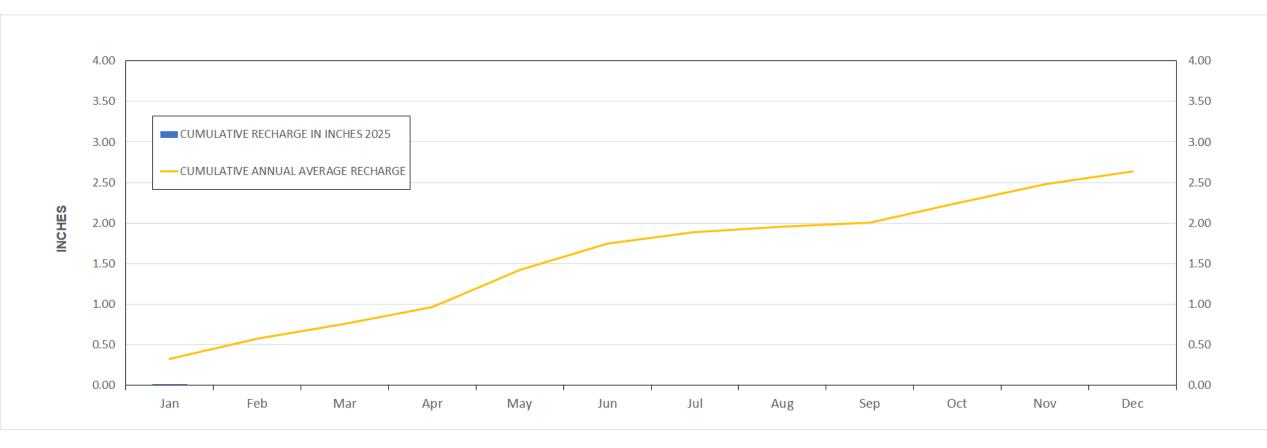




RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM



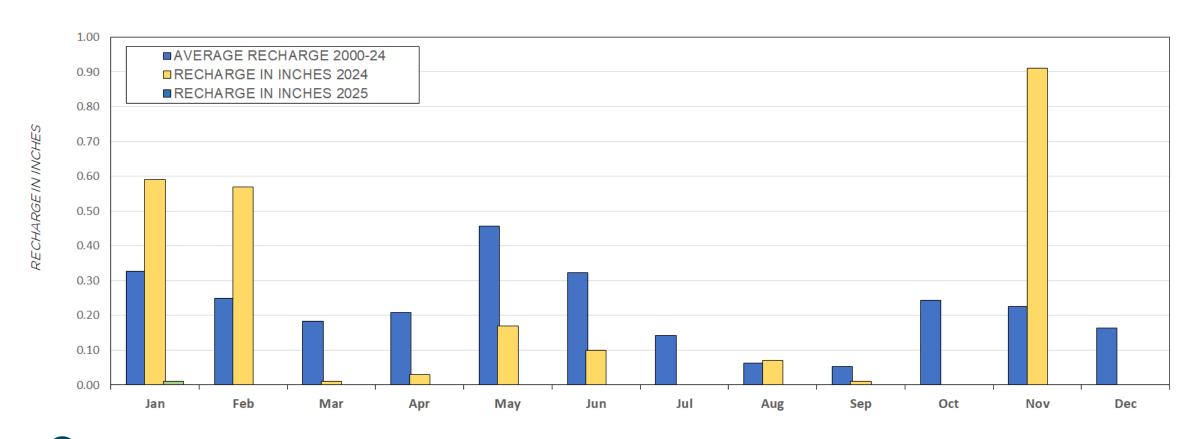
ACCUMULATED CENTRAL OKLAHOMA AQUIFER SYSTEM RECHARGE 2025



RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM continued

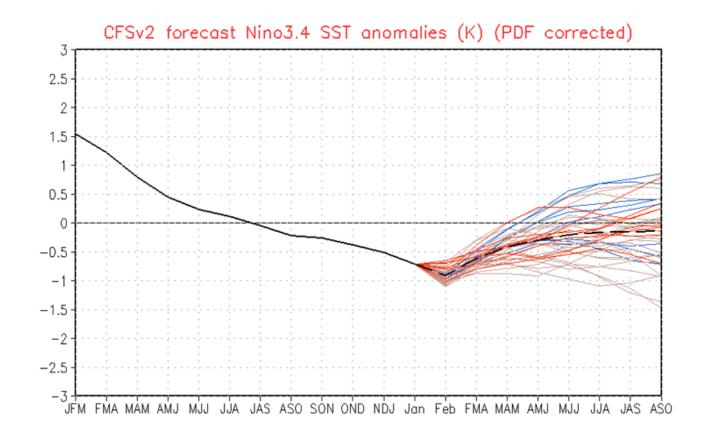


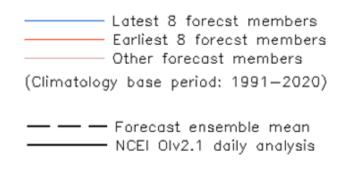
MONTHLY AQUIFER RECHARGE 2025



ENSO CYCLE - RECENT EVOLUTION, CURRENT STATUS AND PREDICTIONS



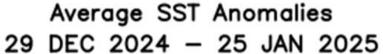


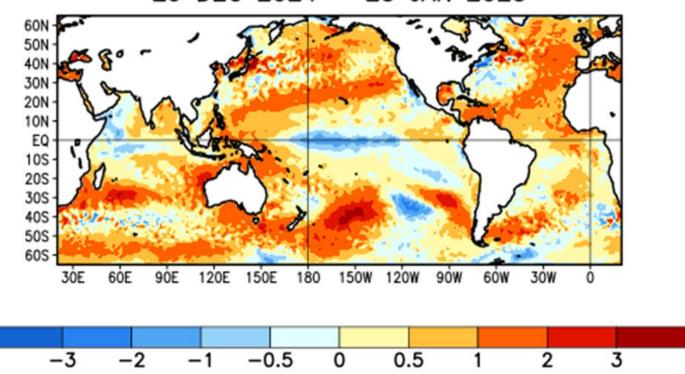




ENSO CYCLE - RECENT EVOLUTION, CURRENT STATUS AND PREDICTIONS









SUMMARY



ENSO Alert System Status: La Niña Watch

- ENSO-neutral conditions are present.
- Equatorial sea surface temperatures (SSTs) are near-to-below-average in the central and eastern Pacific Ocean.
- La Niña conditions are expected to persist through February-April 2025 (59% chance), with a transition to ENSO-neutral likely during March-May 2025 (60% chance).



