

CENTRAL OKLAHOMA DROUGHT REPORT

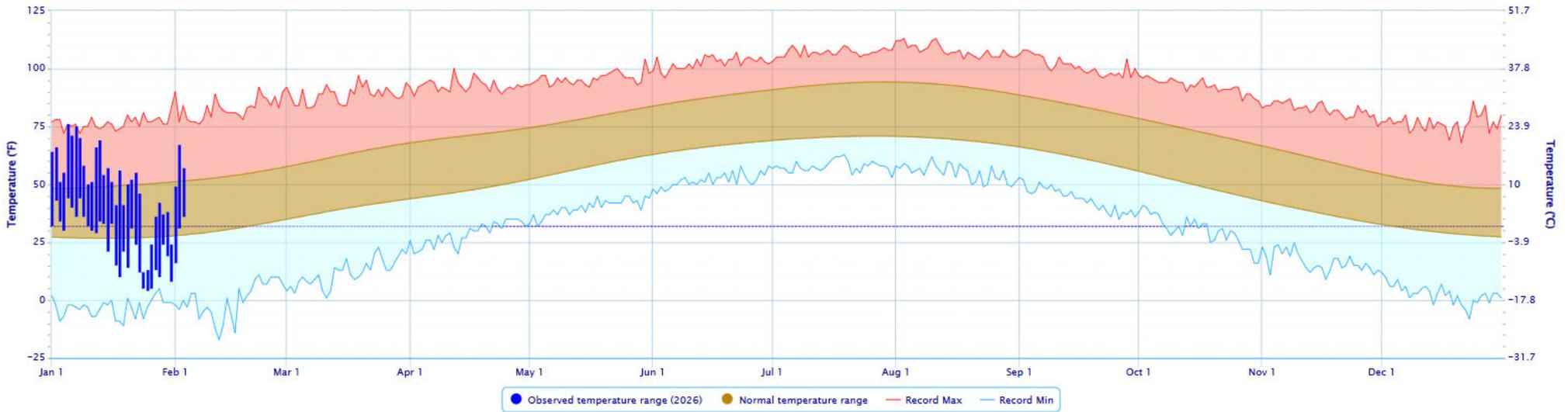
Benjamin Matsumura
Water Resources Manager

O: 405.778.6121
bmatsumura@acogok.org



FEBRUARY 2026

TEMPERATURE PLOT FOR OKLAHOMA CITY, OKLAHOMA FOR 2026

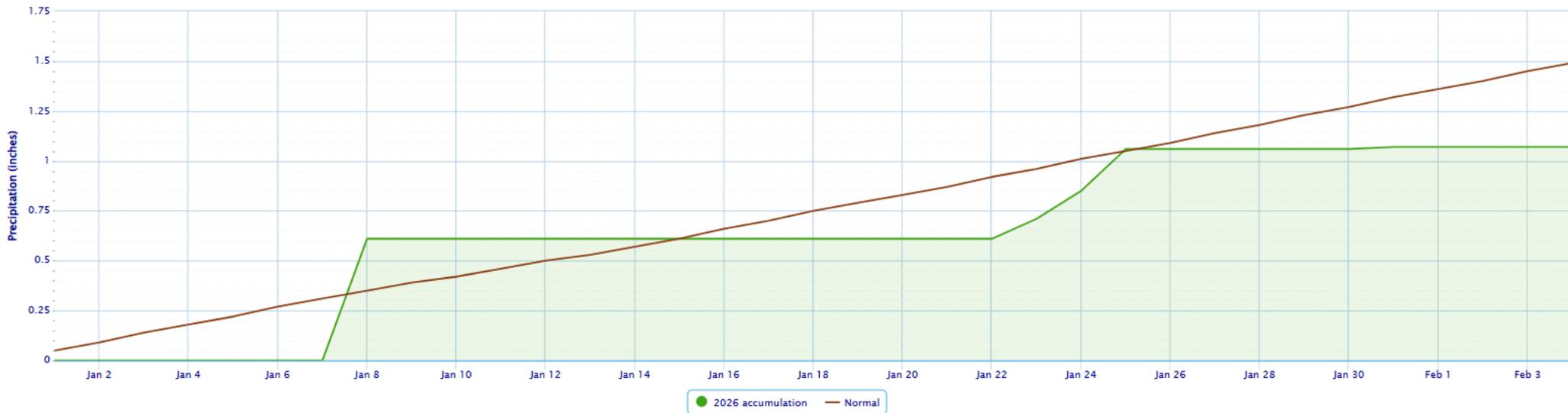


Powered by ACIS

MONTHLY TEMPERATURE TREND:

Temperatures continue to linger above normal into February driving faster evaporation from soils and reservoirs

PRECIPITATION PLOT FOR OKLAHOMA CITY, OKLAHOMA FOR 2026



Powered by ACIS

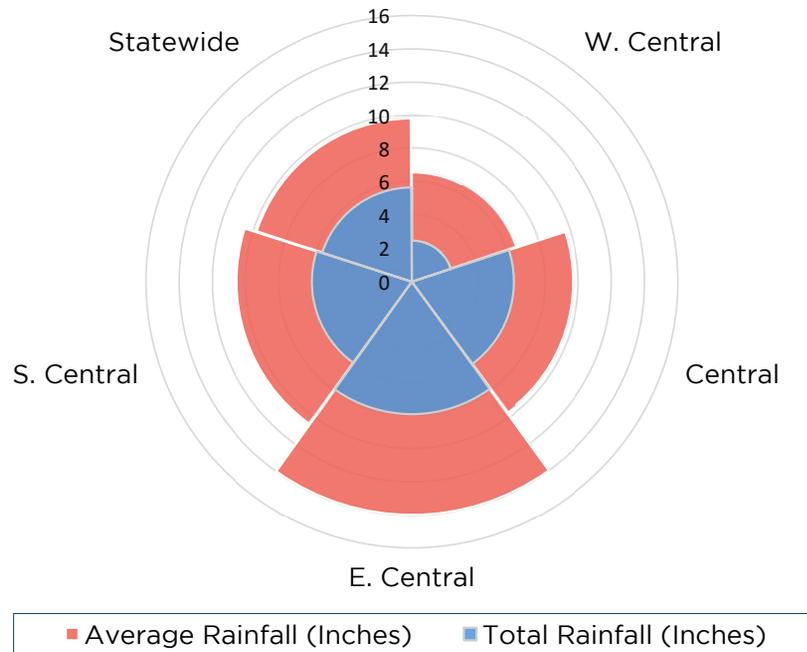
MONTHLY PRECIPITATION TREND:

Scattered, intense periods of rain and snow have kept OKC close to yearly trends – but still lagging in total precipitation

WATER YEAR RAINFALL SUMMARY

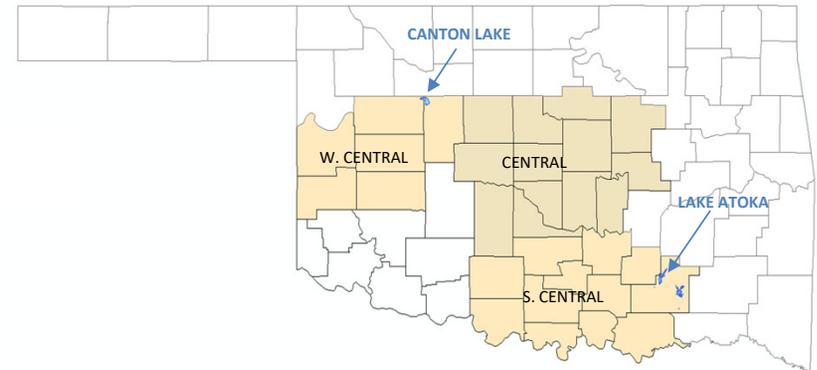


WATER YEAR RAINFALL SUMMARY Oct 1, 2025 - Feb 3, 2026



CENTRAL OKLAHOMA TAKEAWAY:

- Average water year rainfall is well below normal – continuing the extended drought period
- Rainfall totals still have a chance to catch up with another wet spring – similar to 2025



NOAA ONE-MONTH TEMPERATURE OUTLOOK



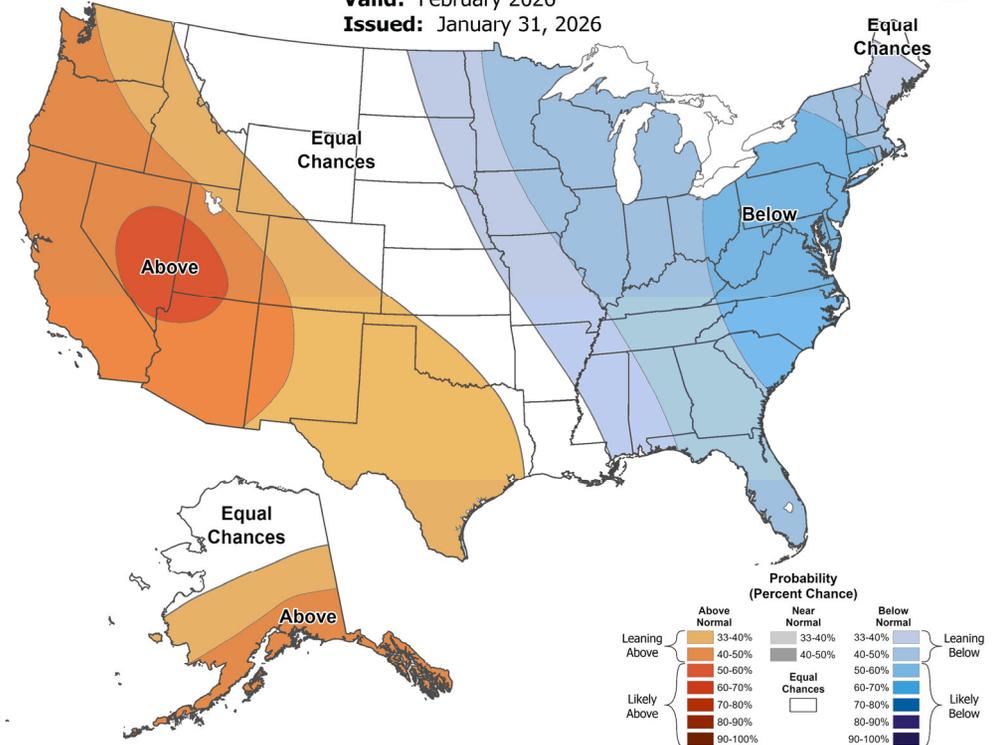
FEBRUARY TEMPERATURE OUTLOOK:

- White areas shown as EC (Equal Chance) on these maps represent areas with no strong climate signals based on current data.
- Temperature outlook is still variable - continue planning for a variety of weather conditions but expect warmer temperatures overall



Monthly Temperature Outlook

Valid: February 2026
Issued: January 31, 2026

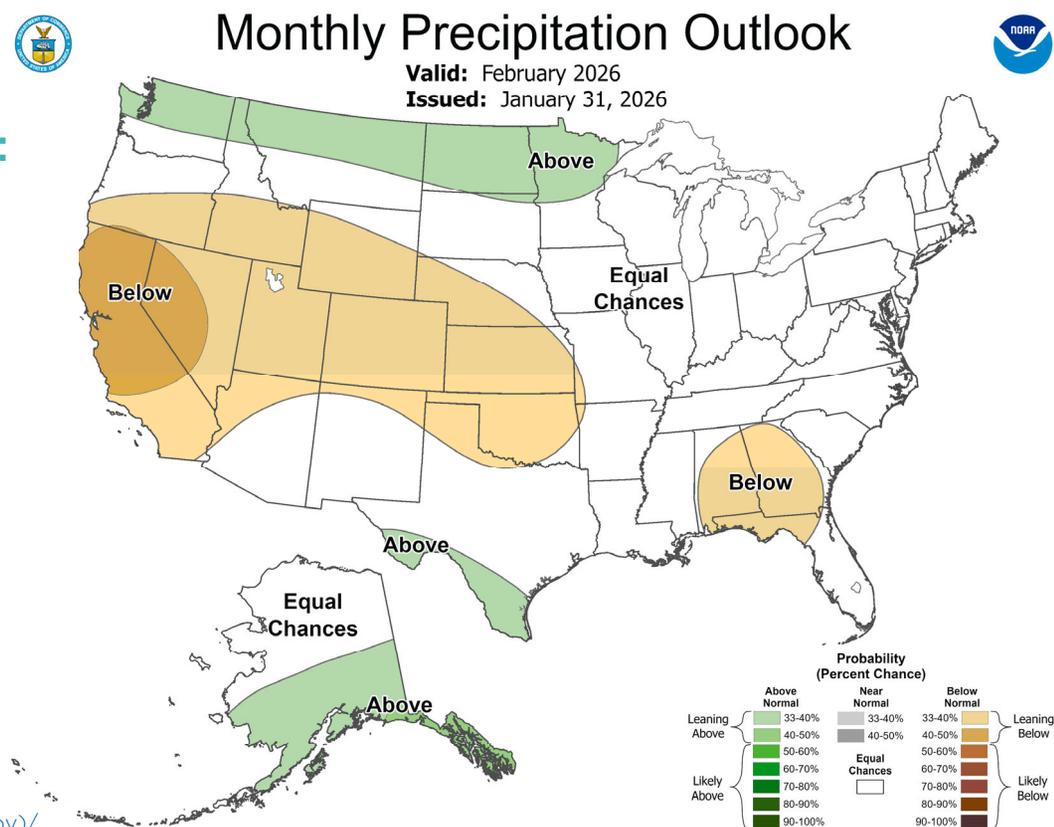


NOAA ONE-MONTH PRECIPITATION OUTLOOK

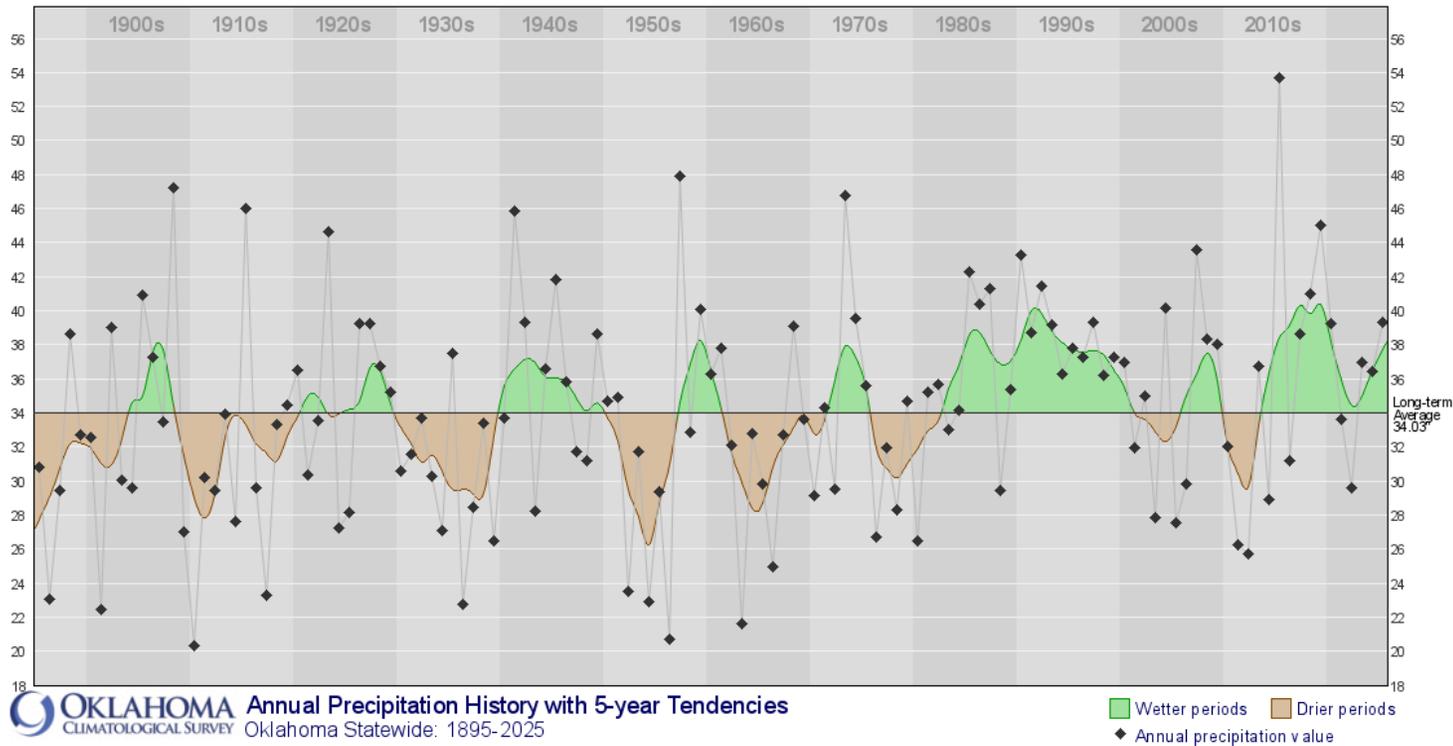


FEBRUARY PRECIPITATION OUTLOOK:

- White areas shown as EC (Equal Chance) on these maps represent areas with no strong climate signals based on current data
- February is favored to see below average precipitation throughout most of Oklahoma



ANNUAL PRECIPITATION HISTORY WITH 5-YEAR TENDENCIES



HISTORICAL RAINFALL TRENDS:

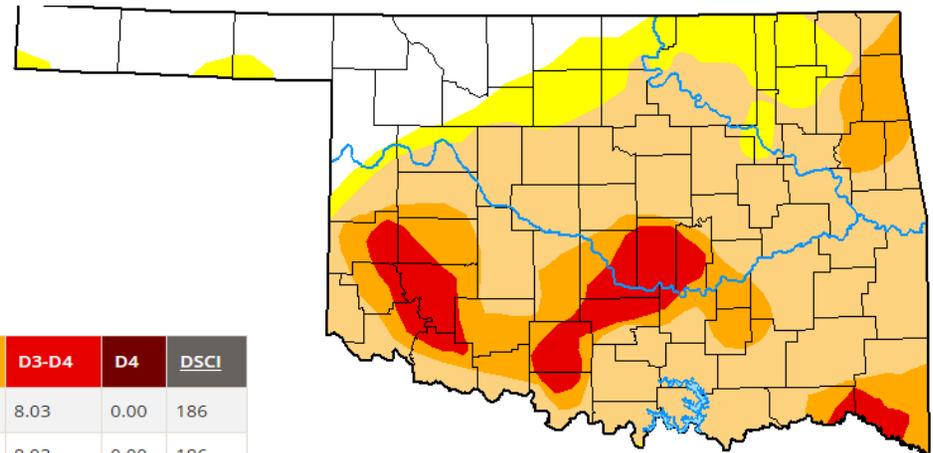
- 2026 is still currently part of a wet cycle
- Trending towards a drought cycle based on 5 - 8 year patterns
- We are still following historic rainfall patterns

U.S. DROUGHT MONITOR - OKLAHOMA

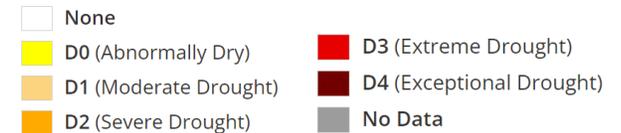


OVER 3 MILLION OKLAHOMANS CURRENTLY AFFECTED BY DROUGHT:

Central Oklahoma remains in moderate to severe drought as of January 29, 2026



Intensity



Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2026-01-27	17.38	82.62	71.69	23.32	8.03	0.00	186
Last Week to Current	2026-01-20	17.33	82.67	71.66	23.35	8.03	0.00	186
3 Months Ago to Current	2025-10-28	43.62	56.38	19.04	3.48	0.00	0.00	79
Start of Calendar Year to Current	2025-12-30	20.87	79.13	53.74	13.95	4.80	0.00	152
Start of Water Year to Current	2025-09-30	64.08	35.92	4.86	0.00	0.00	0.00	41
One Year Ago to Current	2025-01-28	73.89	26.11	5.24	0.33	0.00	0.00	32

Estimated Population in Drought Areas: **3,050,244**

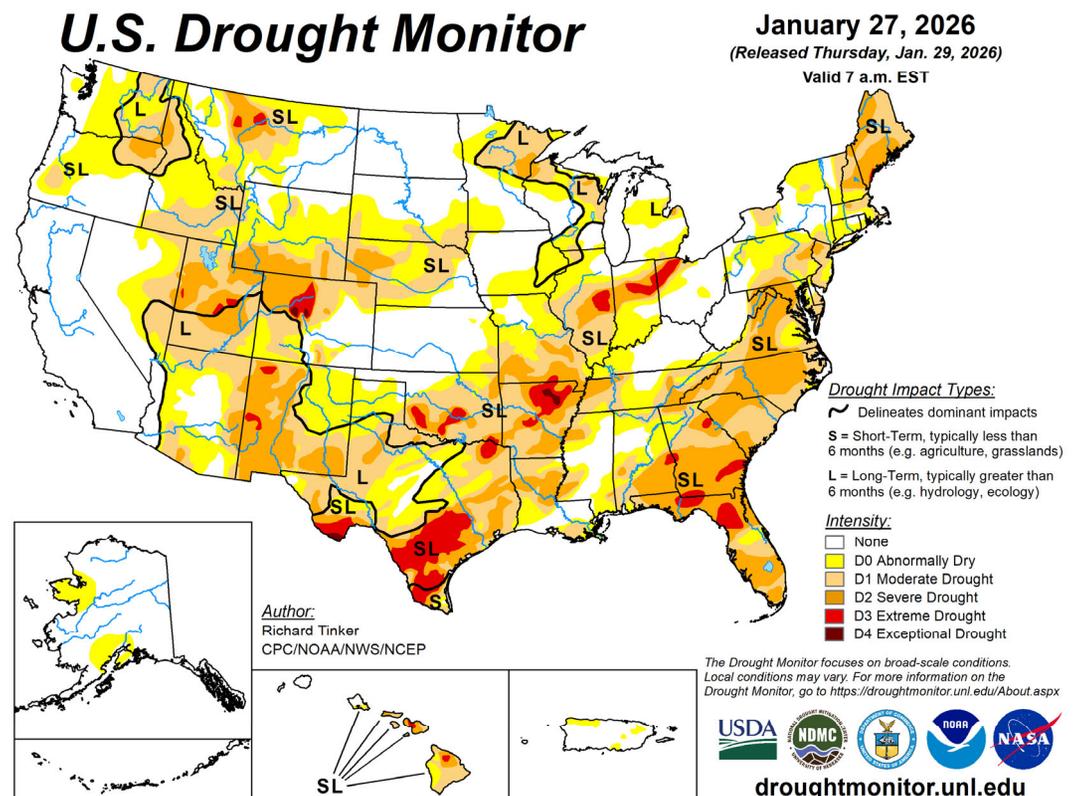


U.S. DROUGHT MONITOR NATIONWIDE MAP



NATIONAL DROUGHT IMPACTS:

- Nationwide droughts continue to spread - Impacted areas in the West, South, and Eastern-Central US are increasing in size and intensity, even with strong winter storms
- Melting snow may help alleviate some pressure, but drought is likely to spread until spring

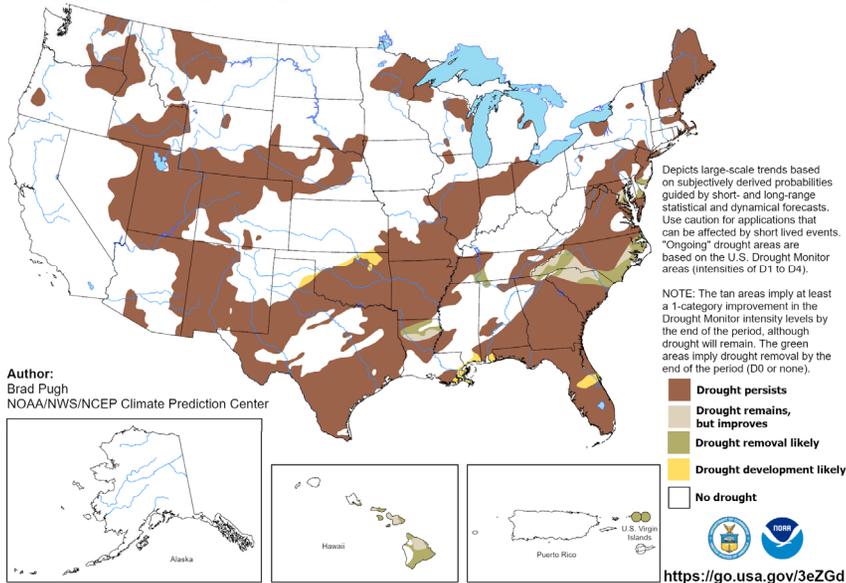


U.S. DROUGHT OUTLOOK MAP



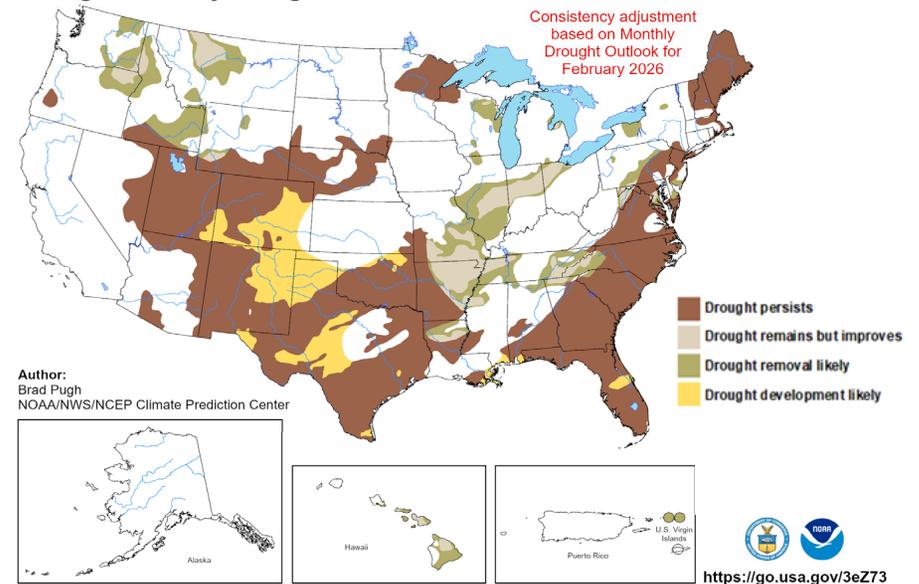
U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for February 2026
Released January 31, 2026



U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for February 1 - April 30, 2026
Released January 31, 2026



US DROUGHT OUTLOOK SUMMARY:

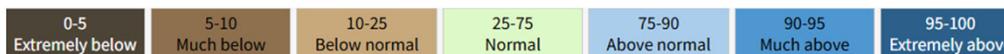
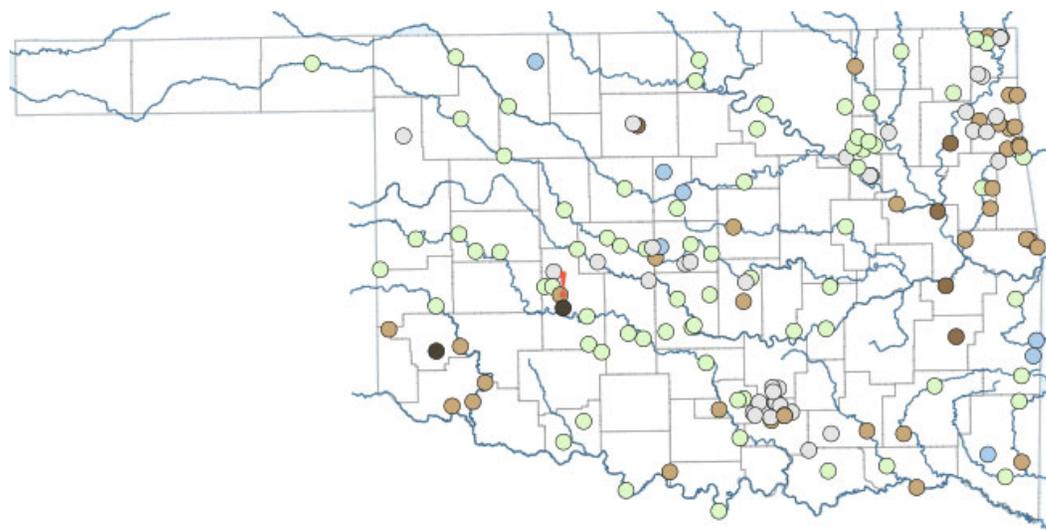
Drought conditions remain mostly steady throughout the US - Western, Eastern, and Southern regions continue to be hit hardest

USGS STREAMFLOW DATA

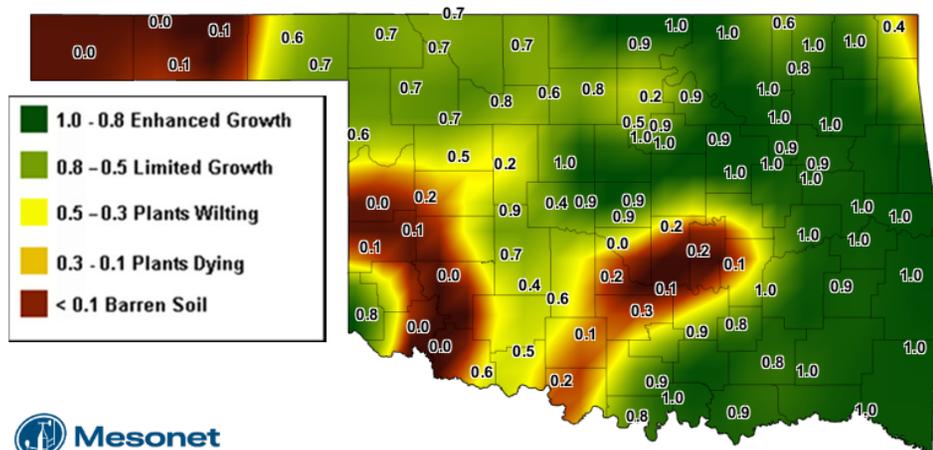


STREAMFLOW CONDITIONS:

- Streamflow ratings are made by comparing current readings against historic 120-day readings
- Northeastern Oklahoma is facing the highest concentration of low-flow conditions
- Southwestern Oklahoma is also seeing a small concentration of low-flow streams
- Streamflow can appear healthy even in droughts due to having multiple supply sources



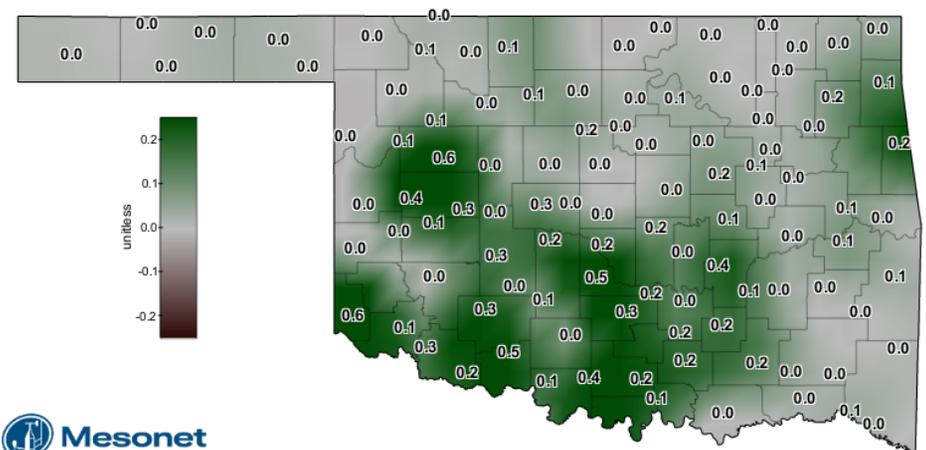
SOIL MOISTURE MAP



1-day Average 24-inch Fractional Water Index

February 3, 2026

Created 6:30:14 AM February 4, 2026 CST. © Copyright 2026



7-day 10-inch Fractional Water Index Change

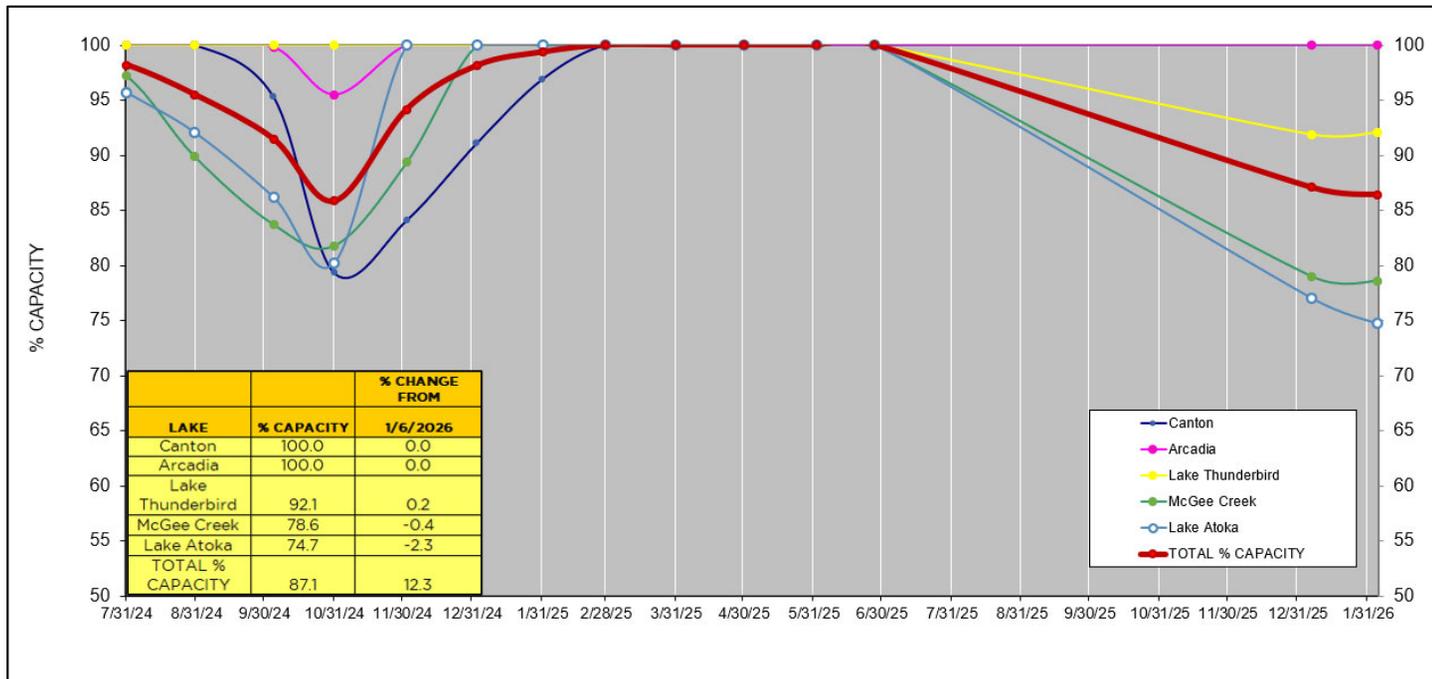
February 3, 2026

Created 5:30:01 AM February 4, 2026 CST. © Copyright 2026

SHORT-TERM SOIL MOISTURE STATUS:

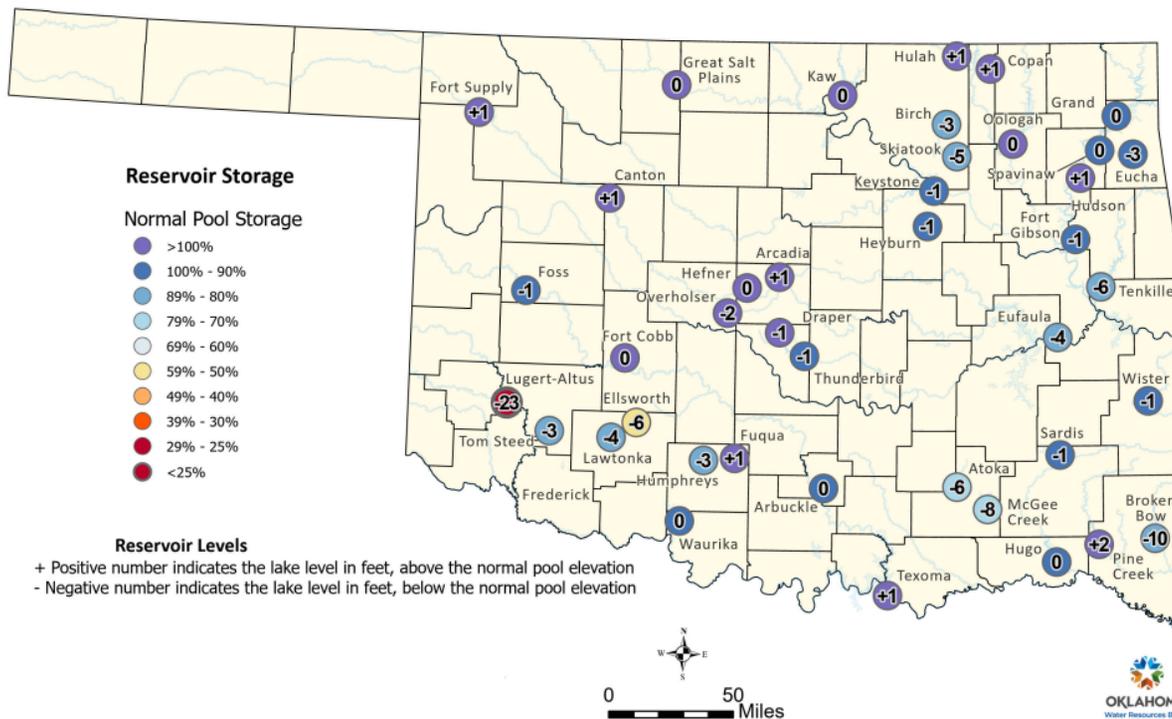
Swaths of Central and Western Oklahoma soils remain dry – but improvements are seen throughout thanks to concentrated rain and snowstorms

SURFACE WATER CONSERVATION CAPACITY - CENTRAL OK RESERVOIRS



RESERVOIR TRENDS:
 Only Arcadia and Canton reservoirs remain at full capacity, with all others being used to supplement water supplies during this unusually dry winter

OKLAHOMA RESERVOIR LEVELS AND STORAGE



CURRENT RESERVOIR CONDITIONS:

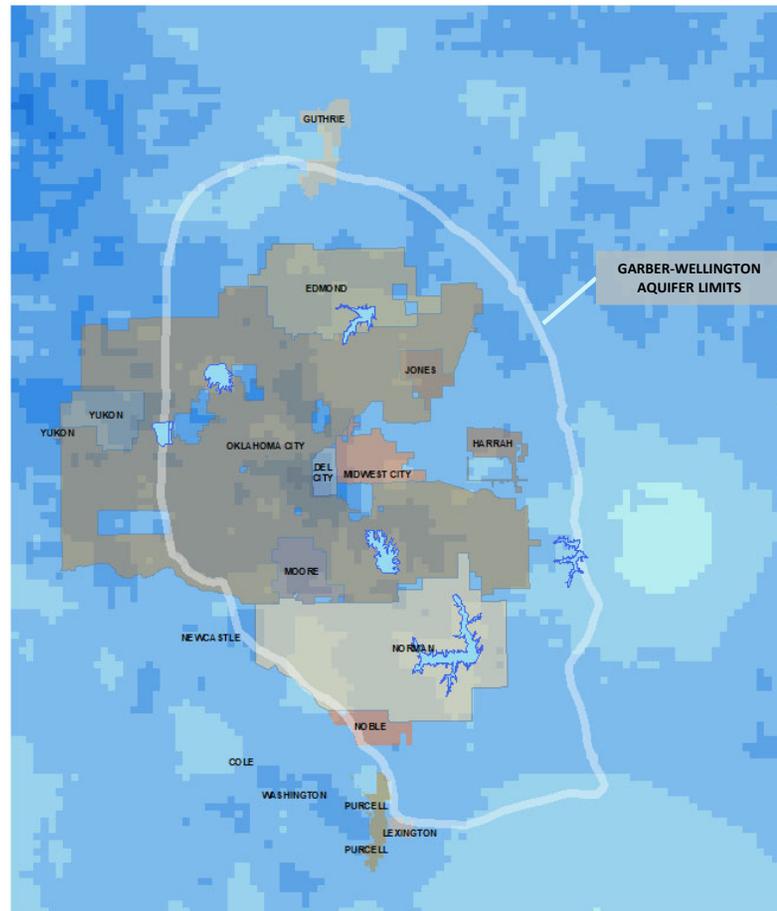
Oklahoma lake levels tracked as a percentage of normal storage - still showing low pool levels in two Southwestern Oklahoma reservoirs

MONTHLY AQUIFER RECHARGE

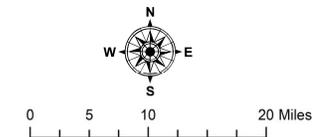
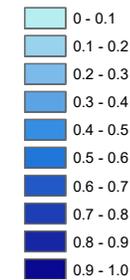


LIMITED WINTER RECHARGE:

- Mean aquifer recharge in January was 0.26 inches, just under the 0.32 average
- Sporadic rain and heavy snowfall both aided the January recharge



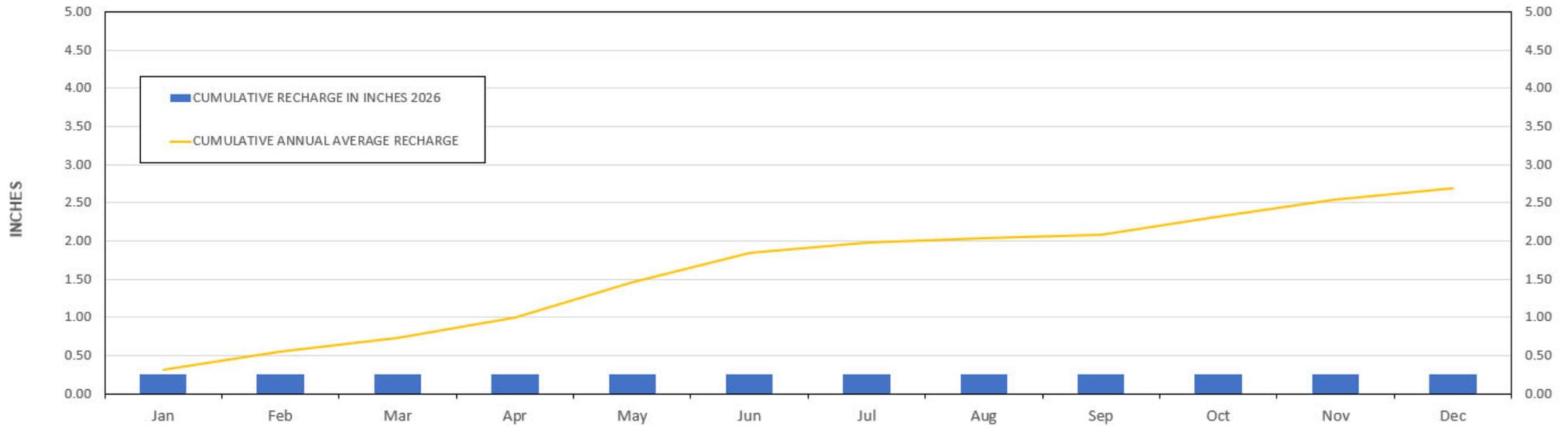
Recharge in Inches



RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM



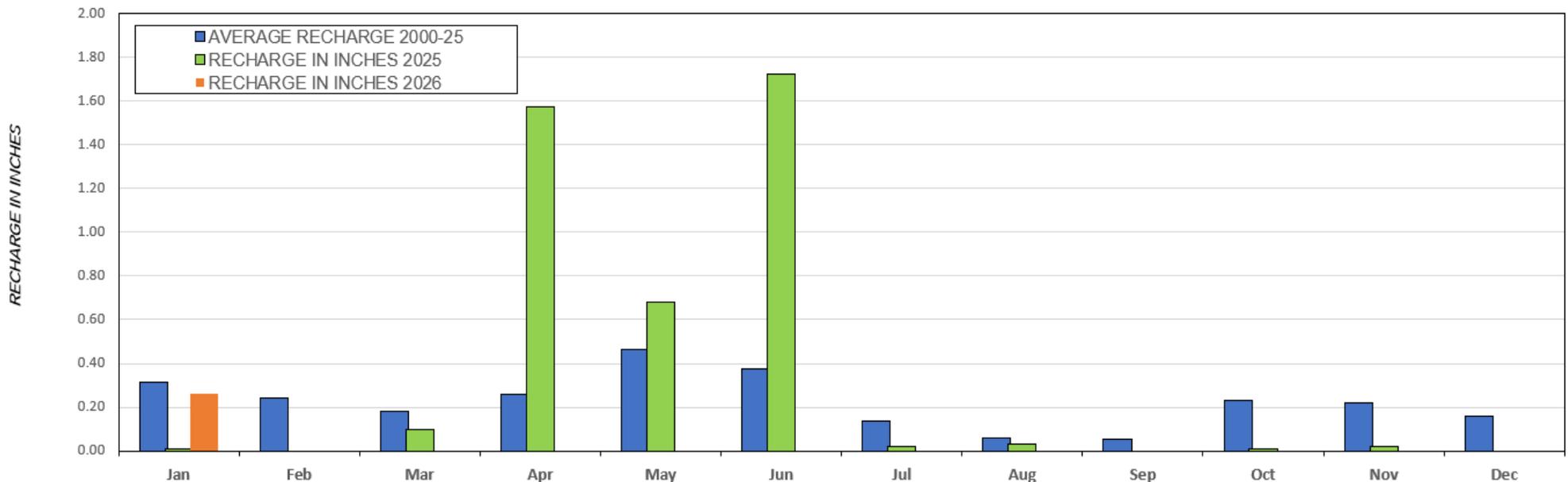
ACCUMULATED CENTRAL OKLAHOMA AQUIFER SYSTEM RECHARGE 2026



RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM CONTINUED



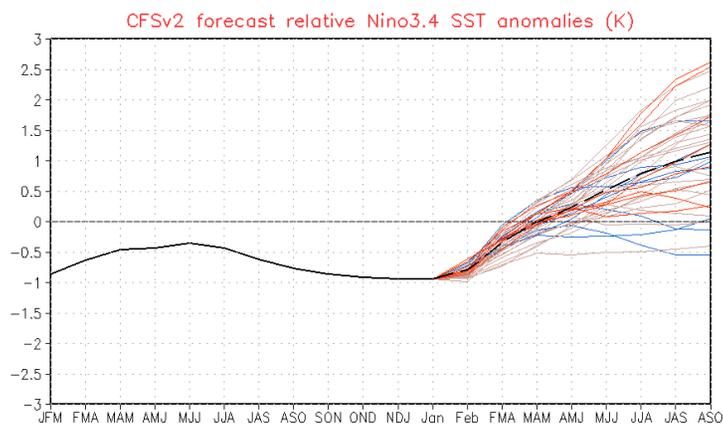
MONTHLY AQUIFER RECHARGE 2026



AQUIFER RECHARGE TRENDS:

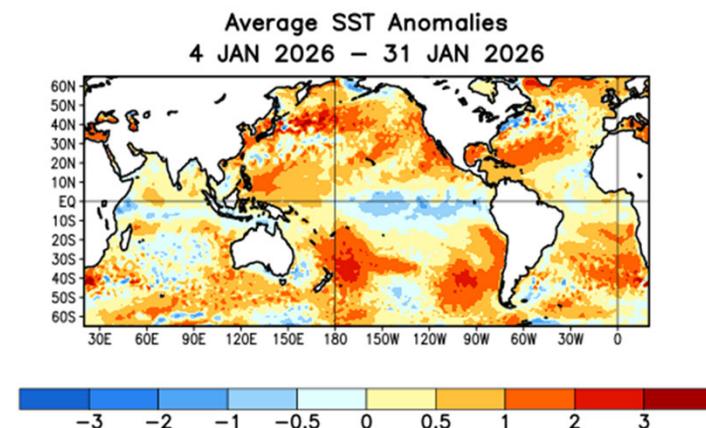
Aquifer recharge for January was lower than average due to the limited rainfall

ENSO CYCLE - RECENT EVOLUTION, CURRENT STATUS AND PREDICTIONS



— Latest 8 forecast members
— Earliest 8 forecast members
— Other forecast members
(Climatology base period: 1991–2020)

--- Forecast ensemble mean
— NCEI Olv2.1 daily analysis



CLIMATE PATTERN UPDATE (ENSO):

- Based on current climate data and modeling, expect drought conditions to continue until early spring
- Possibility of intermittent relief through storms, but ENSO-neutral shift is not predicted until March - little meaningful aquifer recharge this month

SUMMARY



- Even with recent storms, the drought persists across most of Oklahoma
- Continue good water conservation practices as reservoir levels drop
- February may see unusually warm temperatures, intensifying drought conditions
- Climate data shows similar pattern shifts to last year, hinting at another wet spring

QUESTIONS? THANK YOU.

Benjamin Matsumura
Water Resources Manager

O: 405.778.6121
bmatsumura@acogok.org
acogok.org

ASSOCIATION OF
CENTRAL OKLAHOMA
GOVERNMENTS

