



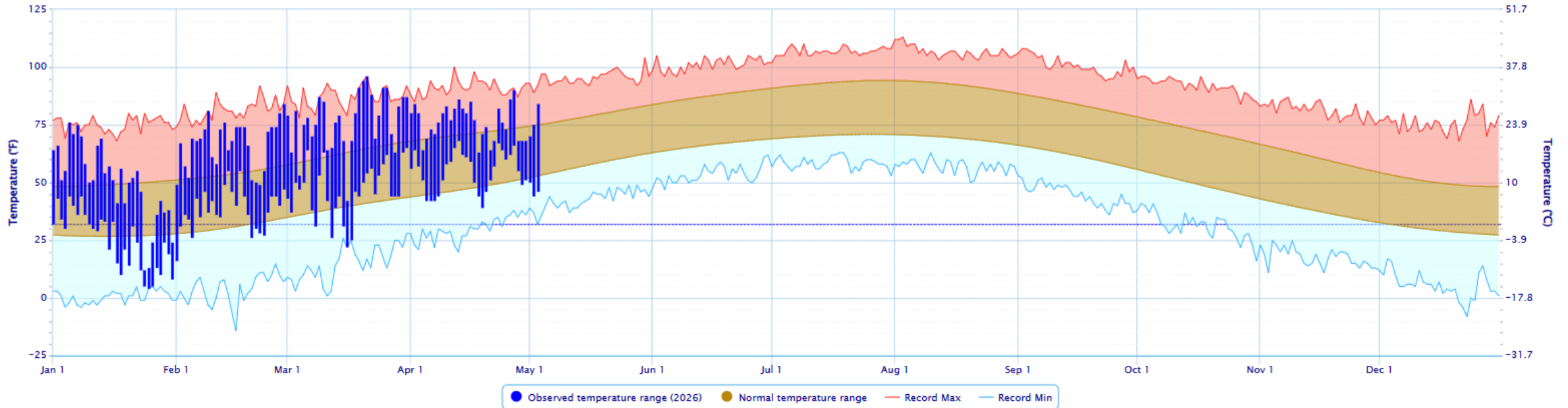
ACOG DROUGHT CONDITIONS IN CENTRAL OKLAHOMA

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MAY 2026

TEMPERATURE PLOT FOR OKLAHOMA CITY, OK - 2026

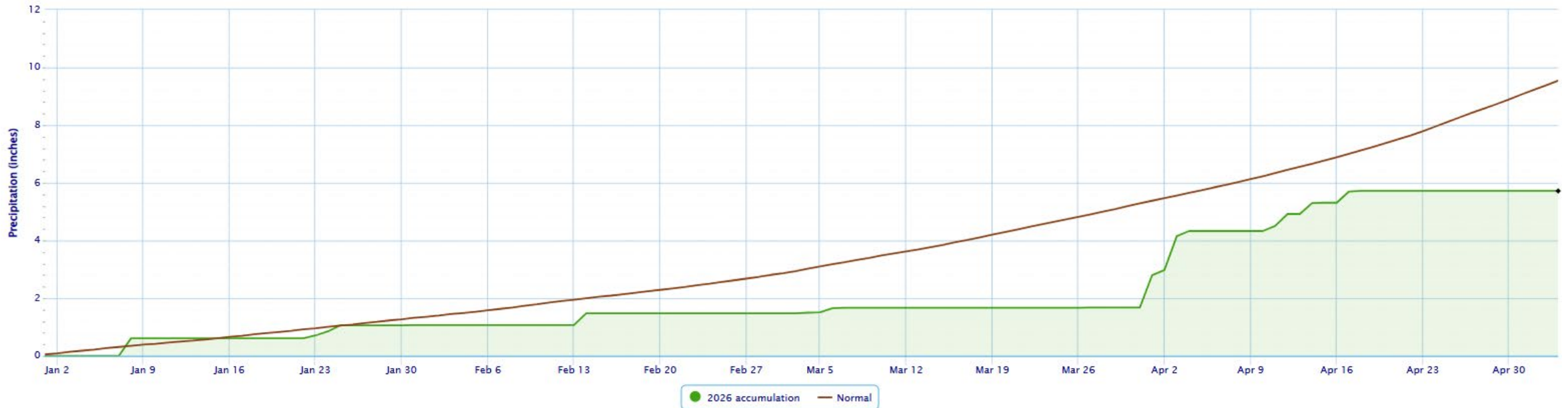


Powered by ACIS

MONTHLY TEMPERATURE TREND:

April kept the warm temperature trend going – beating the average by roughly 6 °F

PRECIPITATION PLOT FOR OKLAHOMA CITY, OK - 2026



Powered by ACIS

MONTHLY PRECIPITATION TREND:

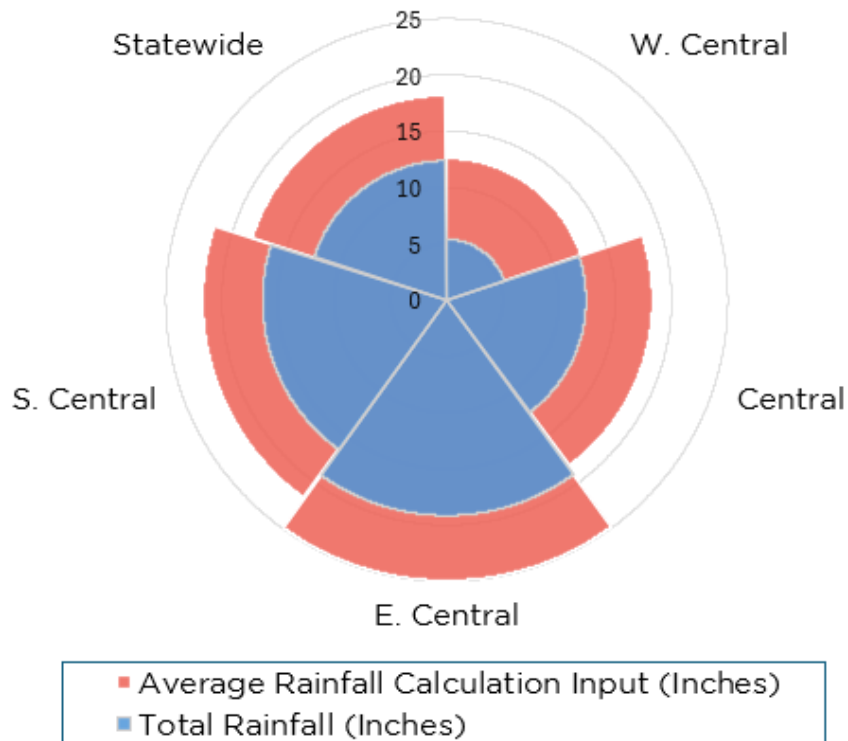
A few big April storms brought much needed rain – but we aren't caught up yet

WATER YEAR RAINFALL SUMMARY



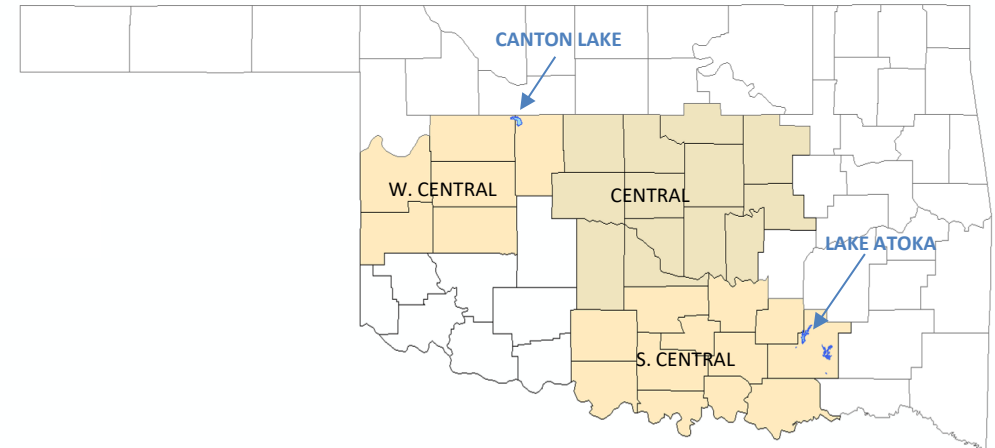
WATER YEAR RAINFALL SUMMARY

Oct 1, 2025 - May 3, 2026



CENTRAL OKLAHOMA TAKEAWAY:

- The April storms brought Oklahoma up from 50% to 68% of its normal rainfall
- We still need roughly 6 inches of rain to bring the state up to normal levels – and even more to help alleviate the drought



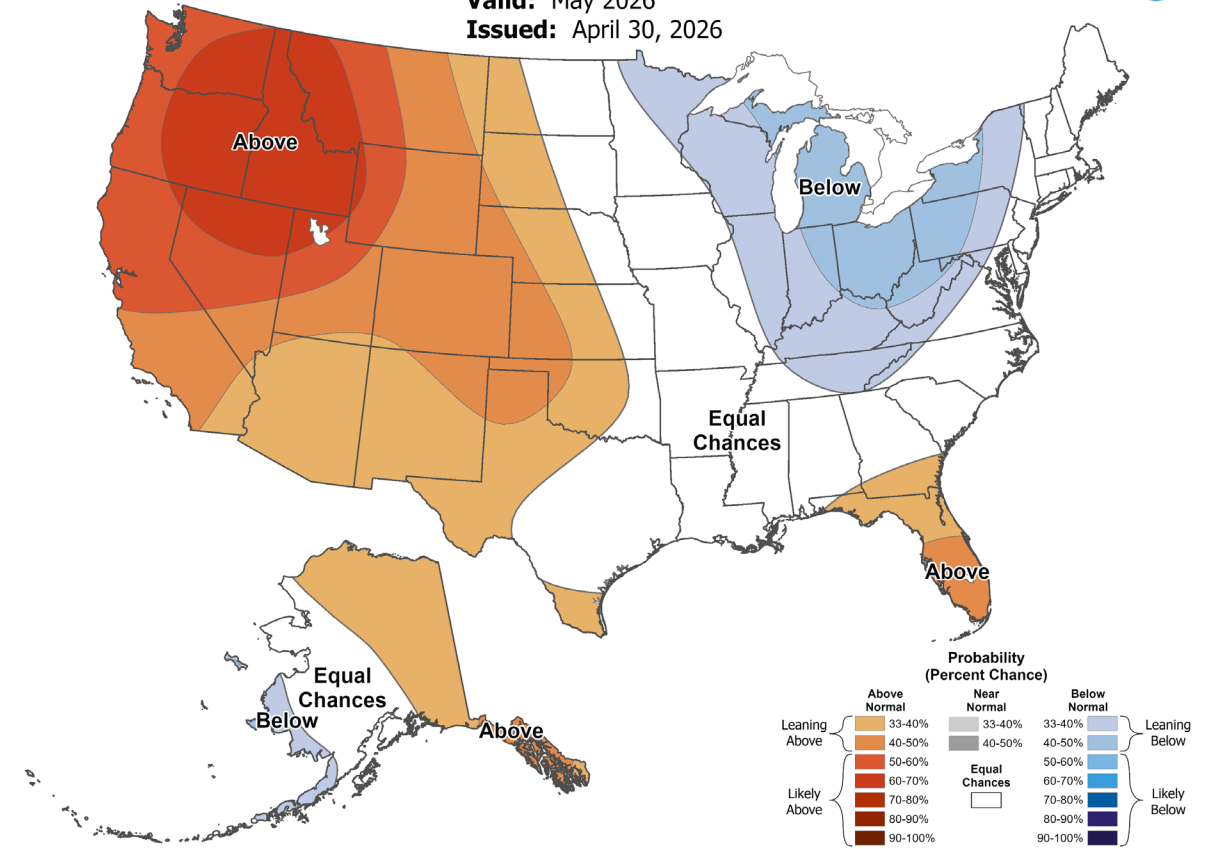
MAY TEMPERATURE OUTLOOK:

- White areas shown as EC (Equal Chance) on these maps represent areas with no strong climate signals based on current data
- Local predictions show cooler temperatures starting off in May - but the monthly trend indicates warm weather finding its way back in the later half



Monthly Temperature Outlook

Valid: May 2026
Issued: April 30, 2026

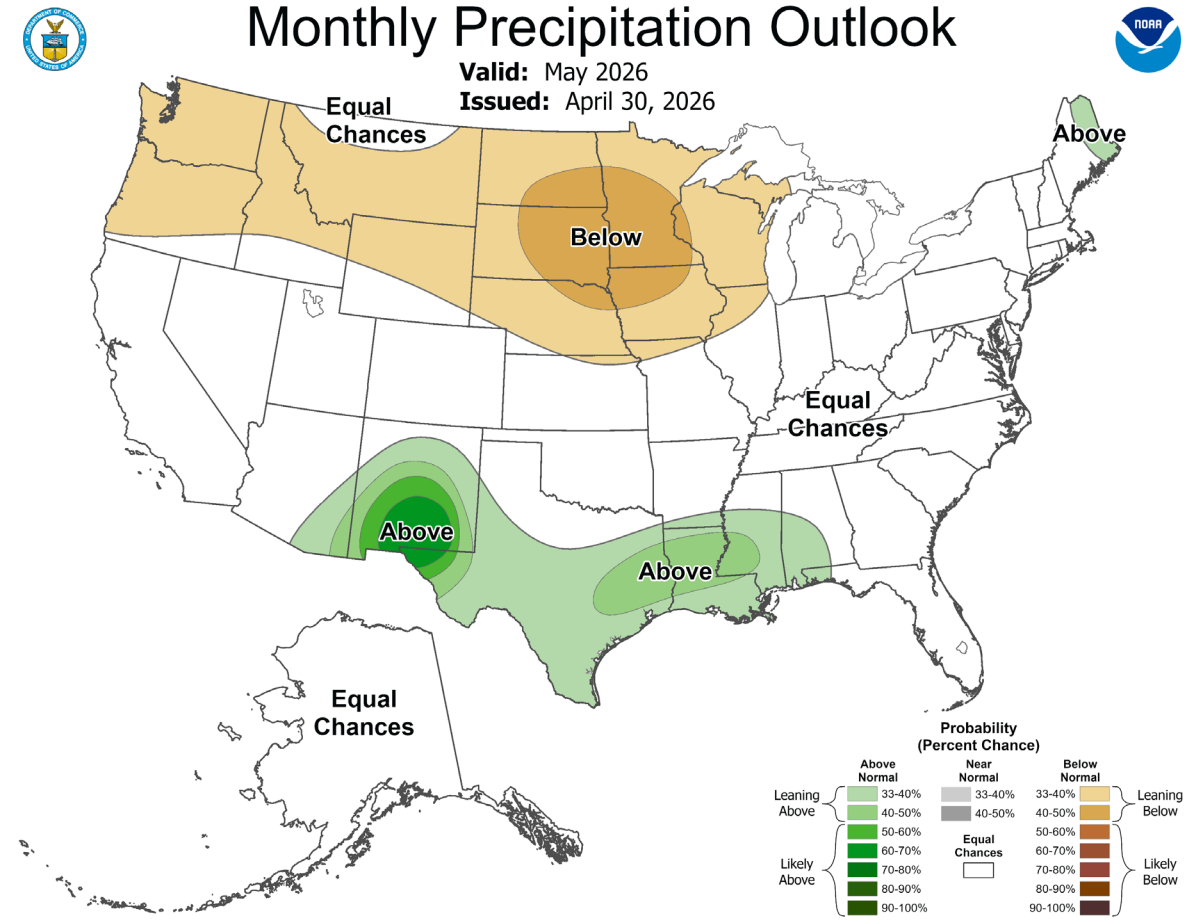


NOAA ONE-MONTH PRECIPITATION OUTLOOK

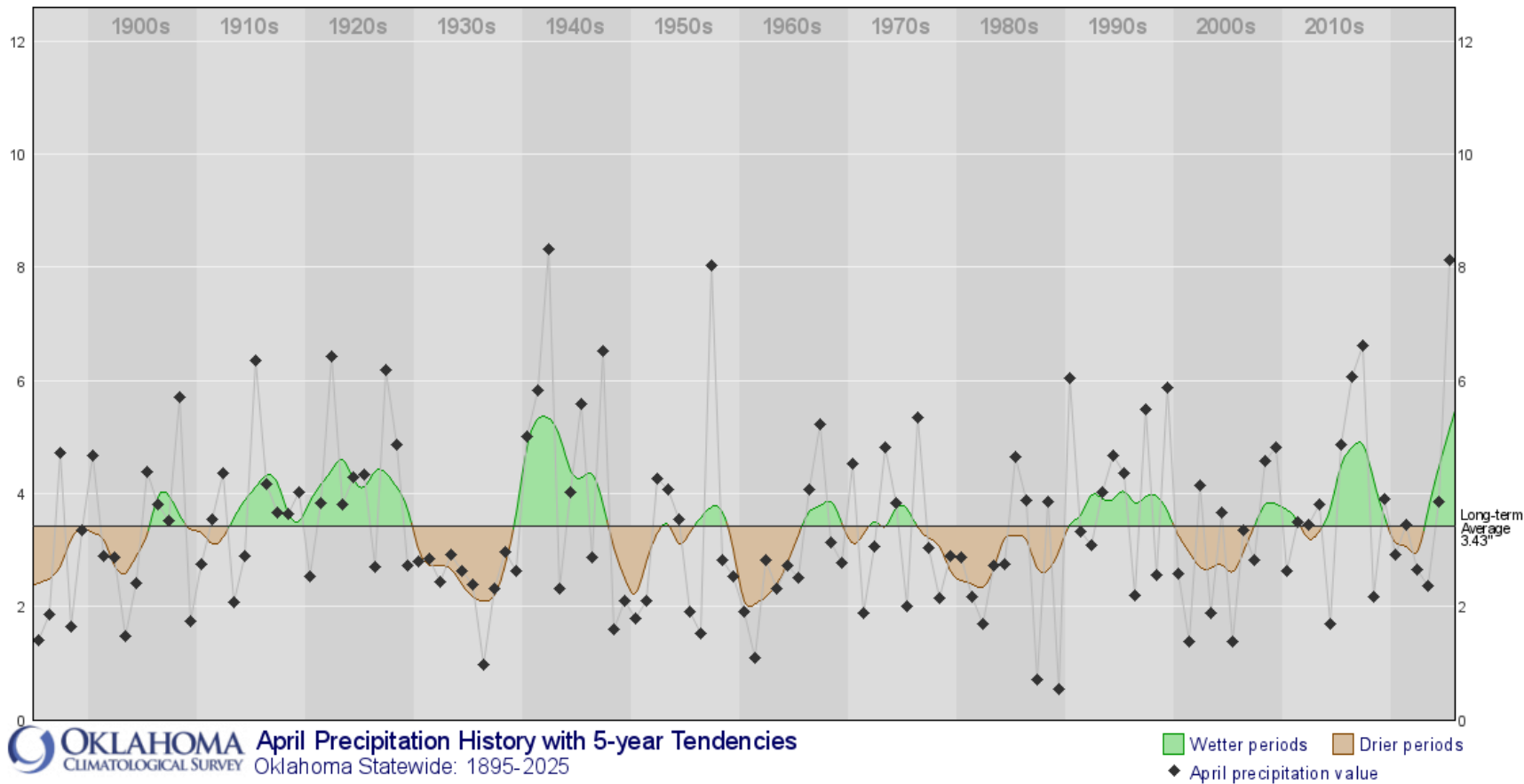


MAY PRECIPITATION OUTLOOK:

- White areas shown as EC (Equal Chance) on these maps represent areas with no strong climate signals based on current data
- May rainfall is a tossup currently, but any rain that comes will likely arrive in sporadic bursts



APRIL PRECIPITATION HISTORY WITH 5-YEAR TENDENCIES



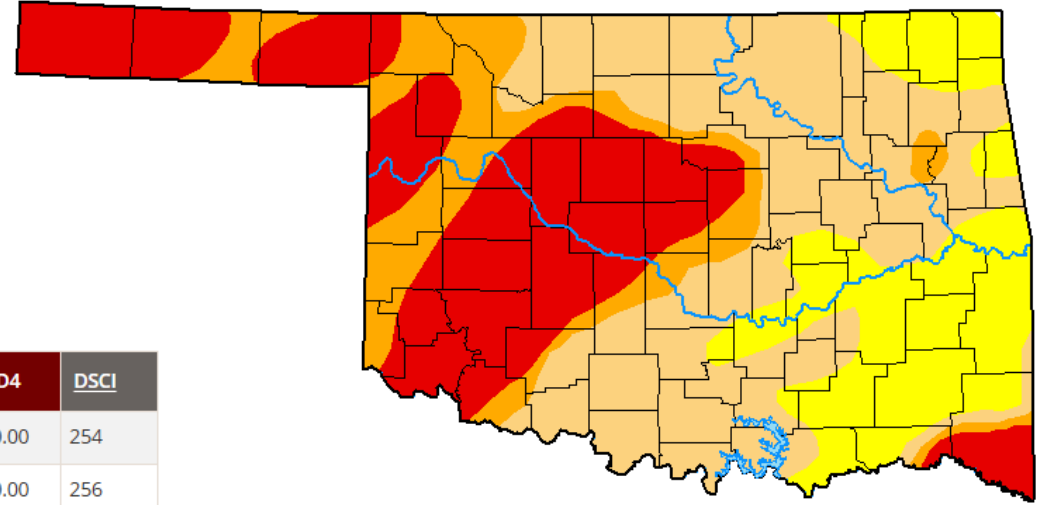
HISTORICAL RAINFALL TRENDS:

- This April still followed the current trend of wetter weather – even though we received less rain than last year



SHIFTING DROUGHT PATTERN:

Oklahoma's most severe drought has shifted west as rain continues missing the Panhandle - but drought has weakened to the east thanks to recent storms



Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2026-04-28	0.01	99.99	80.63	43.81	30.08	0.00	254
Last Week to Current	2026-04-21	0.00	100.00	85.74	44.53	25.84	0.00	256
3 Months Ago to Current	2026-01-27	17.38	82.62	71.69	23.32	8.03	0.00	186
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	2025-04-29	66.86	33.14	14.14	6.91	0.00	0.00	54

Estimated Population in Drought Areas: **3,348,697**

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data



U.S. DROUGHT MONITOR – NATIONWIDE MAP

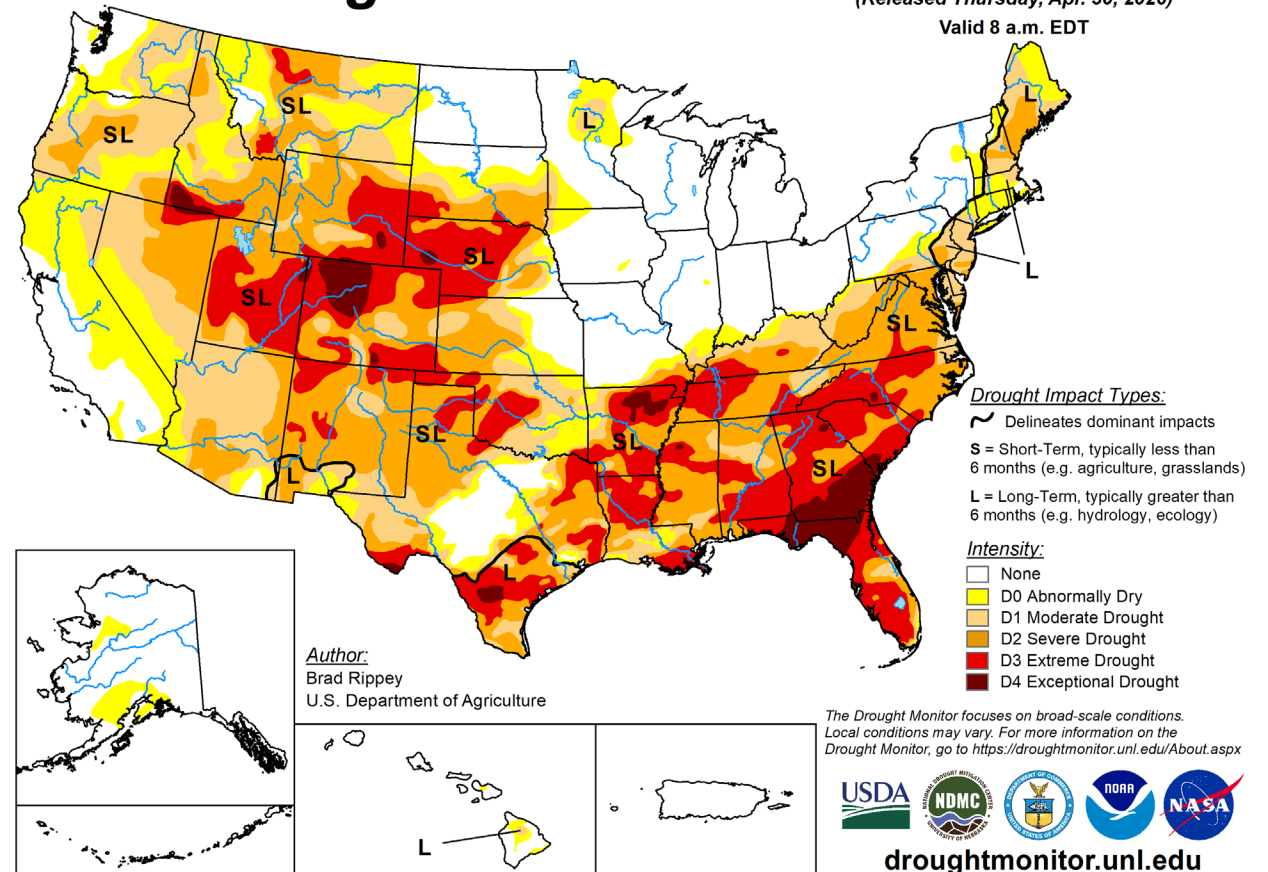


NATIONAL DROUGHT IMPACTS:

- Following last month's trend - extreme and exceptional levels of drought have continued growing
- The decrease in D1-D2 drought is mostly due to those areas progressing into D3-D4 drought levels

U.S. Drought Monitor

April 28, 2026
(Released Thursday, Apr. 30, 2026)
Valid 8 a.m. EDT

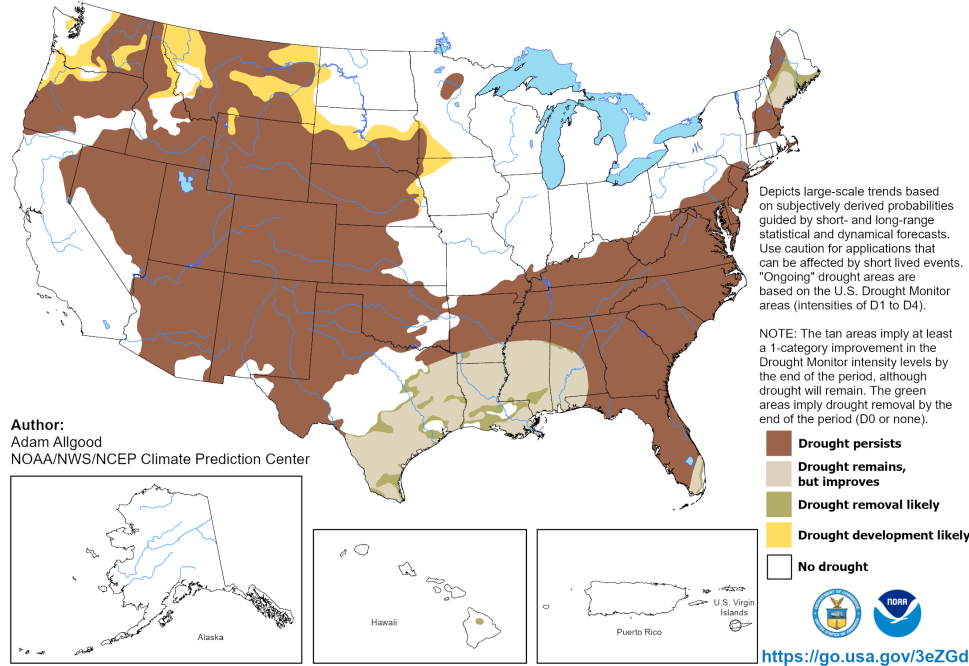


U.S. DROUGHT OUTLOOK MAPS



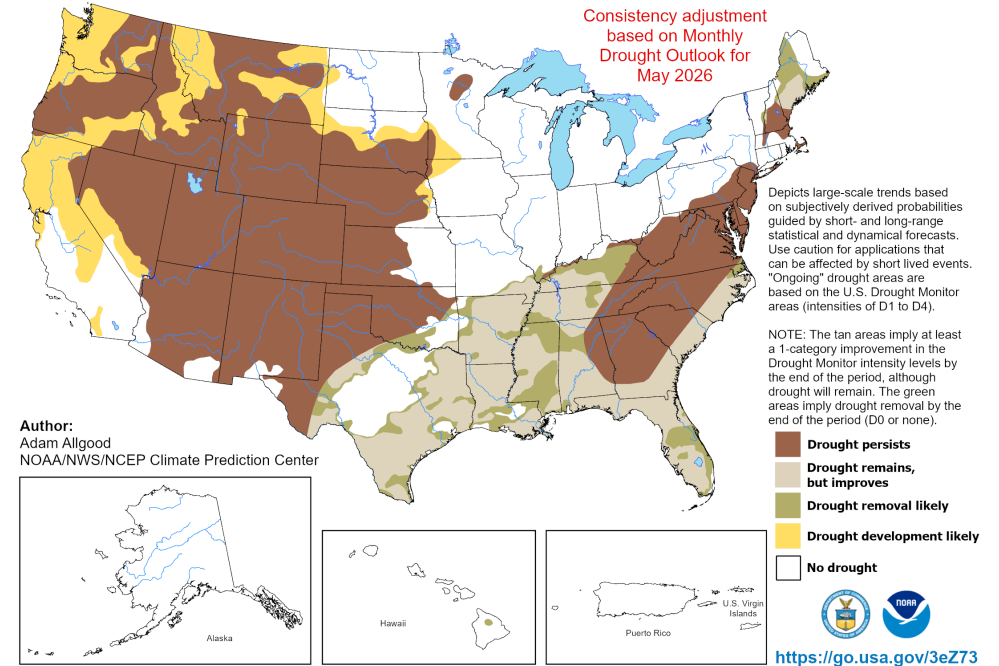
U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for May 2026
Released April 30, 2026



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

Valid for May 1 - July 31, 2026
Released April 30, 2026

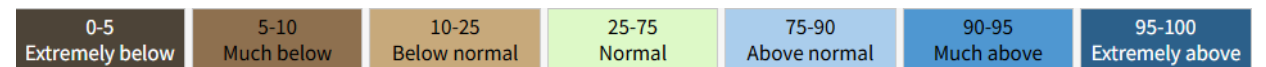
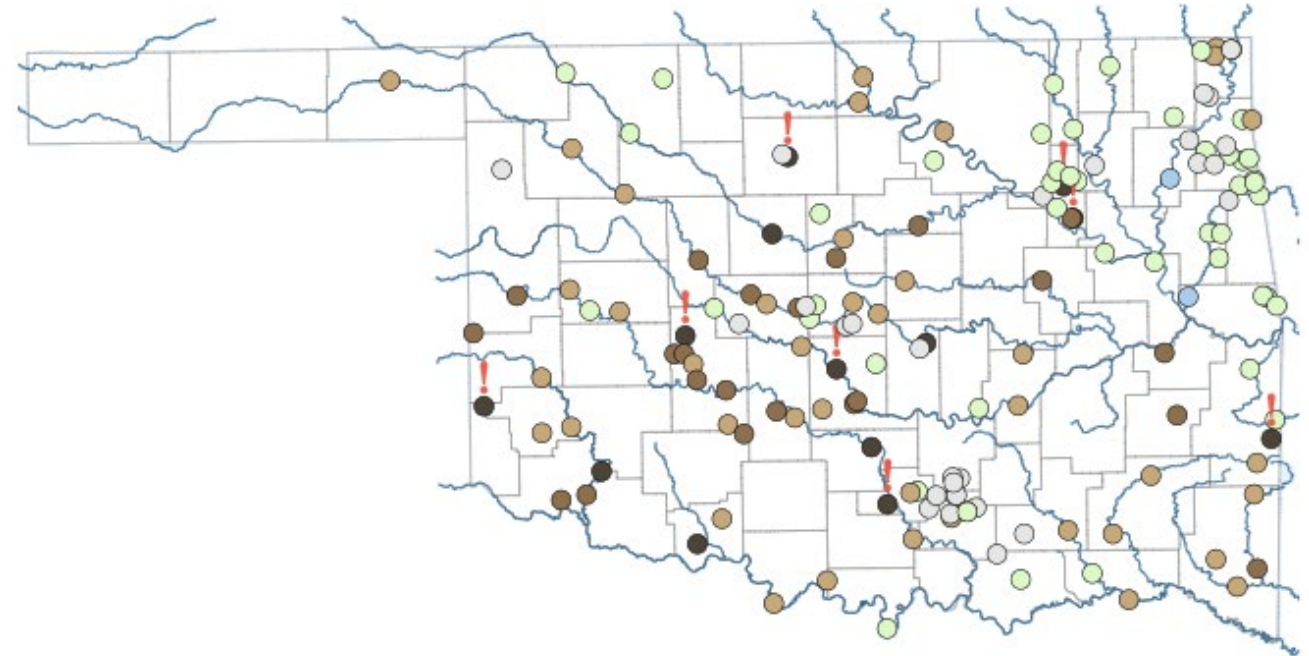


US DROUGHT OUTLOOK SUMMARY:

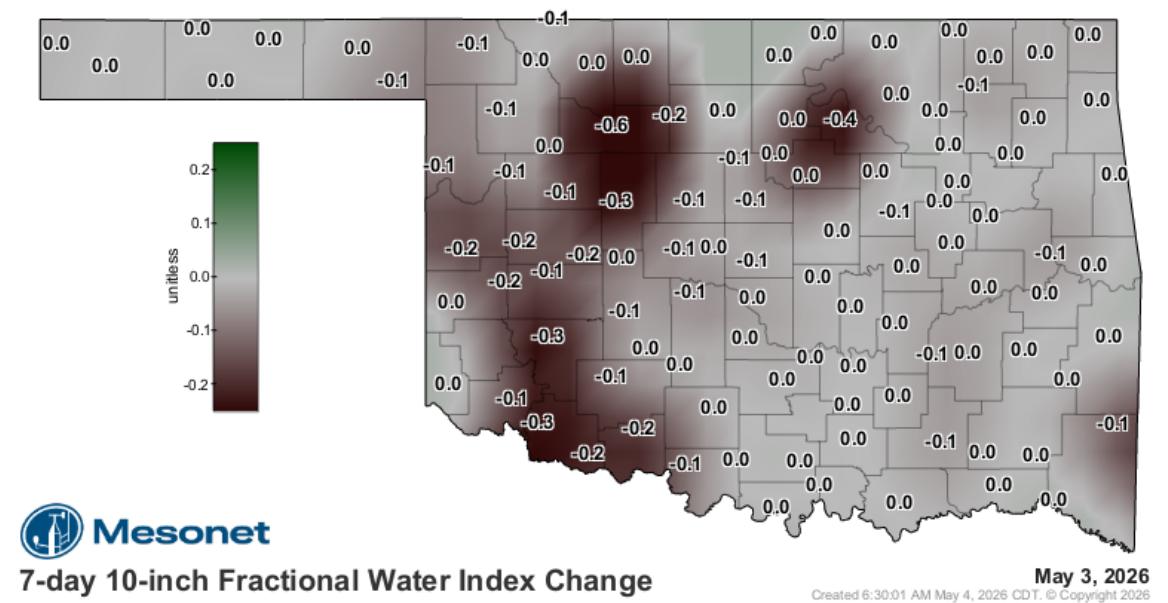
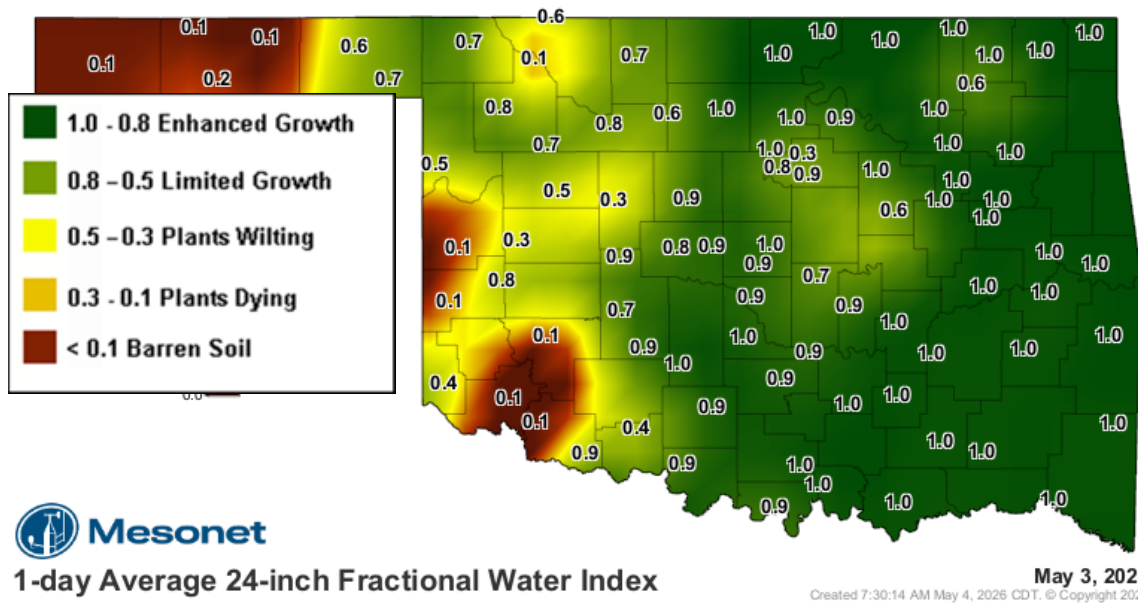
Drought predictions continue to grow on a monthly and seasonal scale – especially in the Western half of the United States

STREAMFLOW CONDITIONS:

- Streamflow ratings are made by comparing current readings against historic 120-day readings
- Eastern stream levels remain close to normal – but most flows have once again fallen below normal
- This map lines up well with the eastern-heavy rainfall seen throughout the month



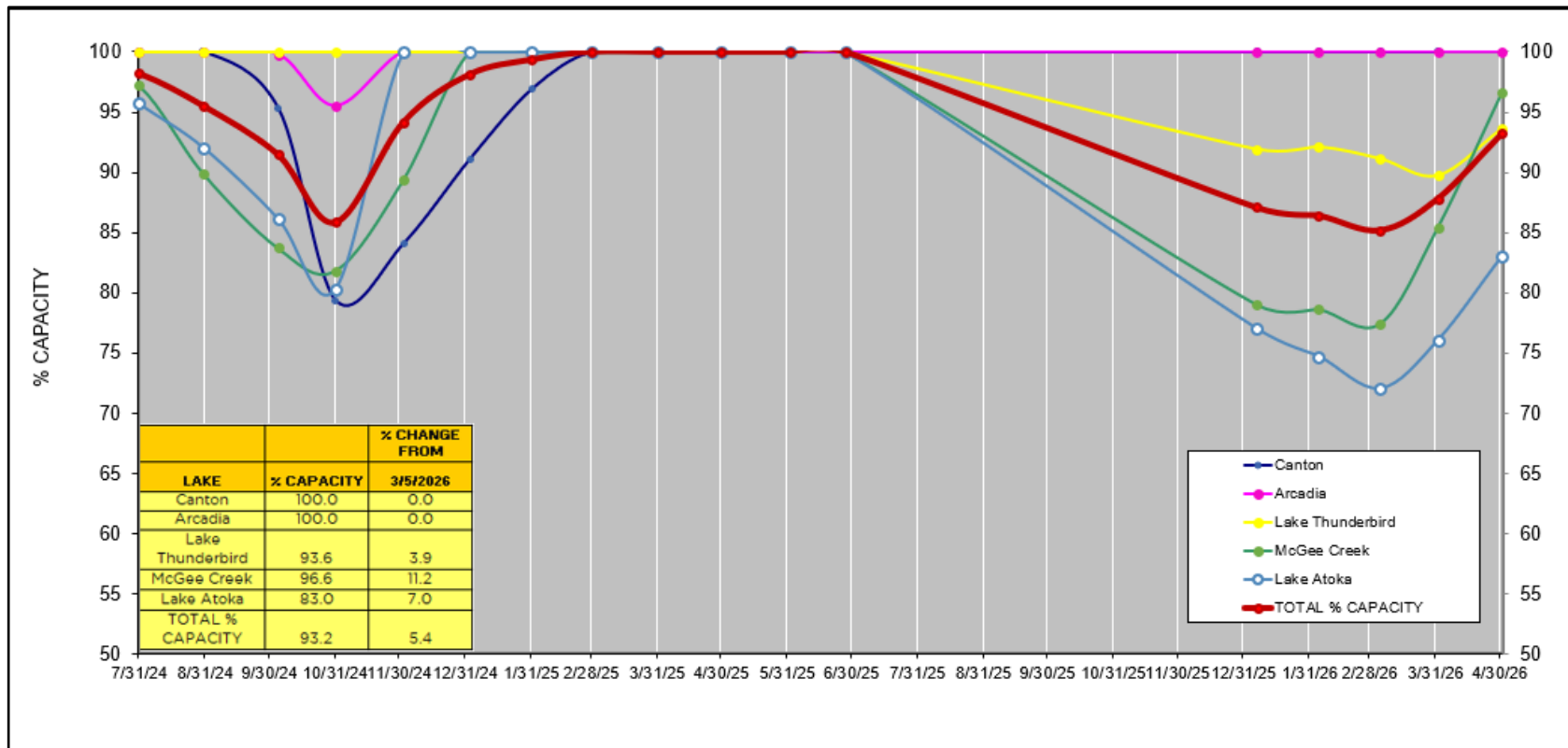
SOIL MOISTURE MAP



SHORT-TERM SOIL MOISTURE STATUS:

The 1-day, 24-inch soil moisture index remains mostly unchanged – with the 7-day, 10-inch index also showing only a few areas of change

SURFACE WATER CONSERVATION CAPACITY – CENTRAL OK RESERVOIRS



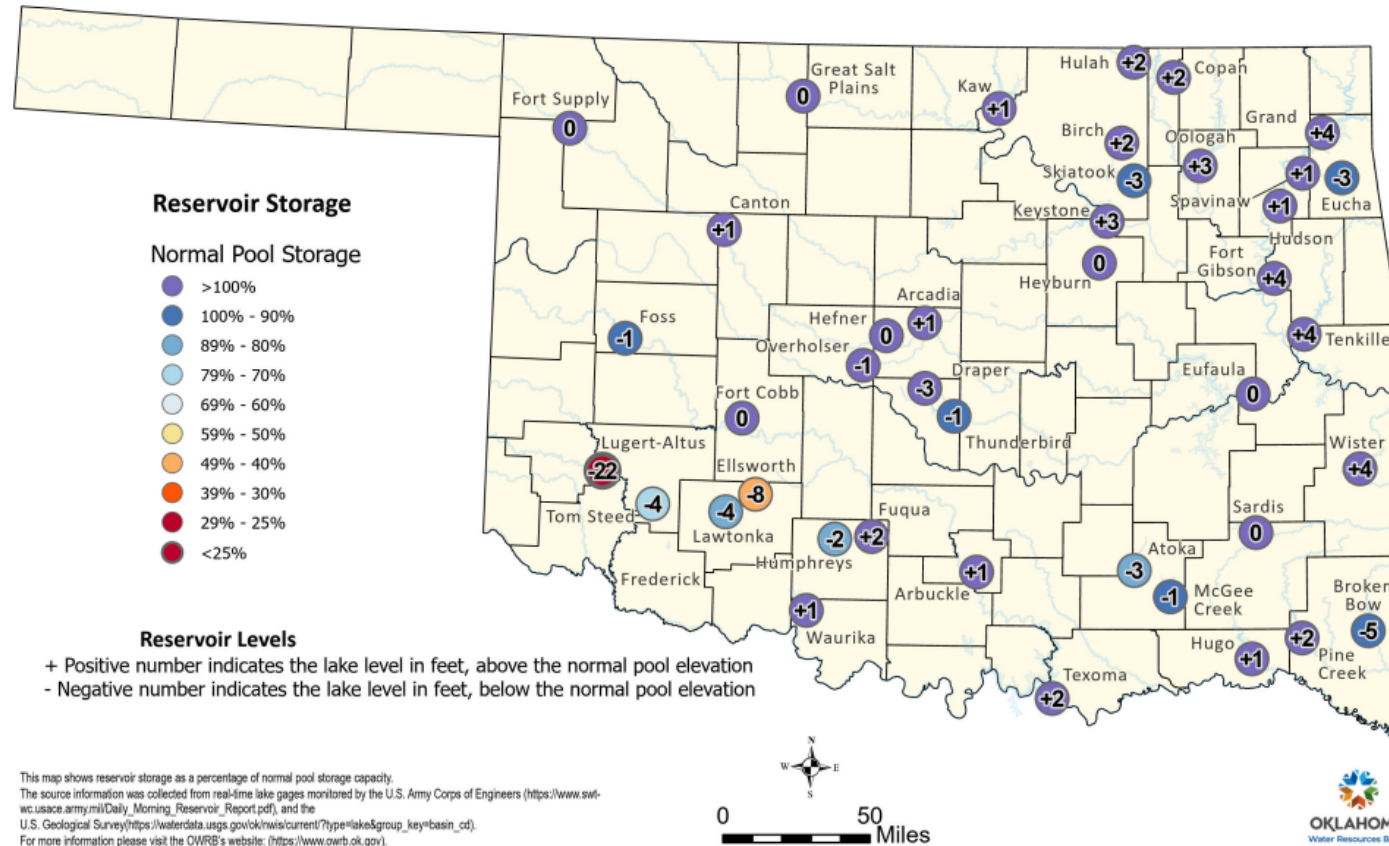
RESERVOIR TRENDS:

- A combination of rainfall and inflow capture has increased multiple reservoir levels – preparing Oklahoma for the high water demands of a nearing summer

OKLAHOMA RESERVOIR LEVELS AND STORAGE



Oklahoma Reservoir Levels and Storage as of 4/28/2026



CURRENT RESERVOIR CONDITIONS:

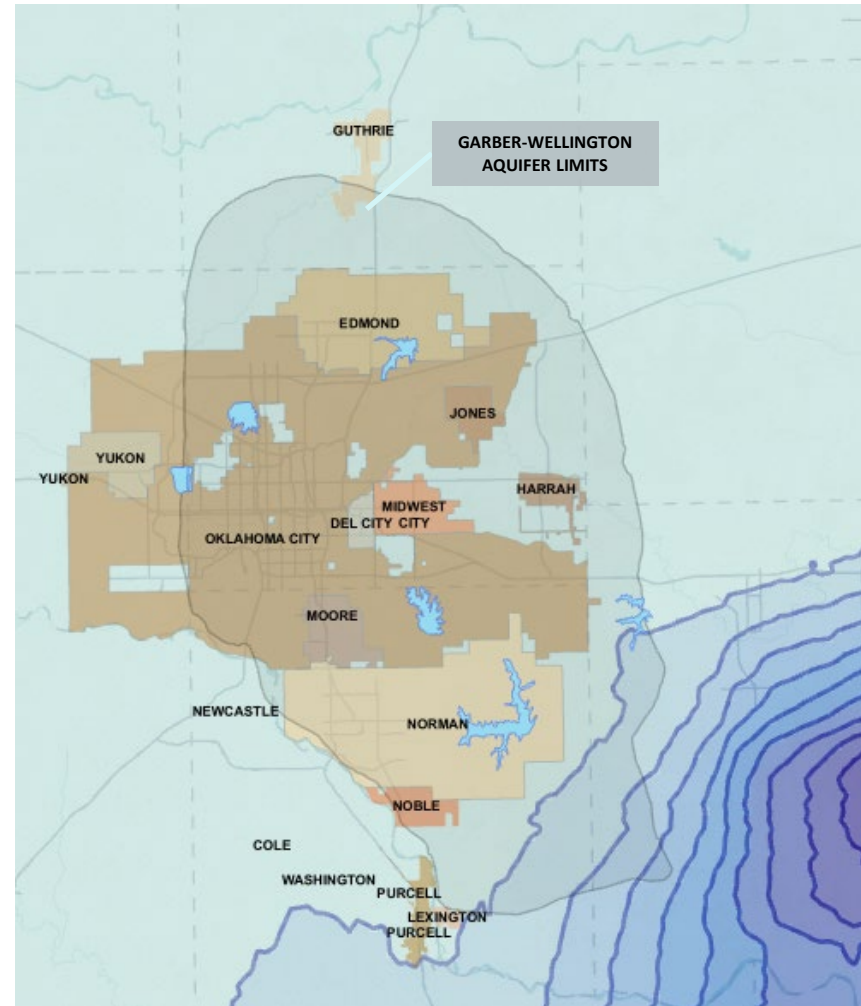
- Oklahoma lake levels tracked as a percentage of normal storage
- Levels in Eastern Oklahoma are trending up, while Western reservoirs remain largely unchanged

MONTHLY AQUIFER RECHARGE

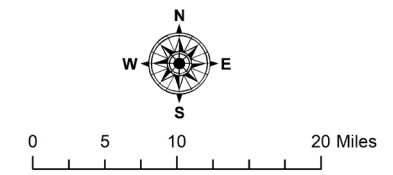
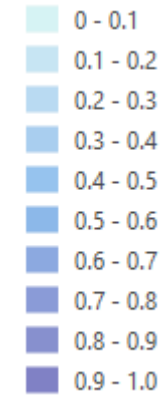


RECHARGE CREEPS IN:

- While the rain wasn't heavy enough to reach the Garber-Wellington Aquifer everywhere – the lower portion is starting to see some inflow again
- Ideally, the soils should be better primed this month to allow even more recharge



Recharge in Inches

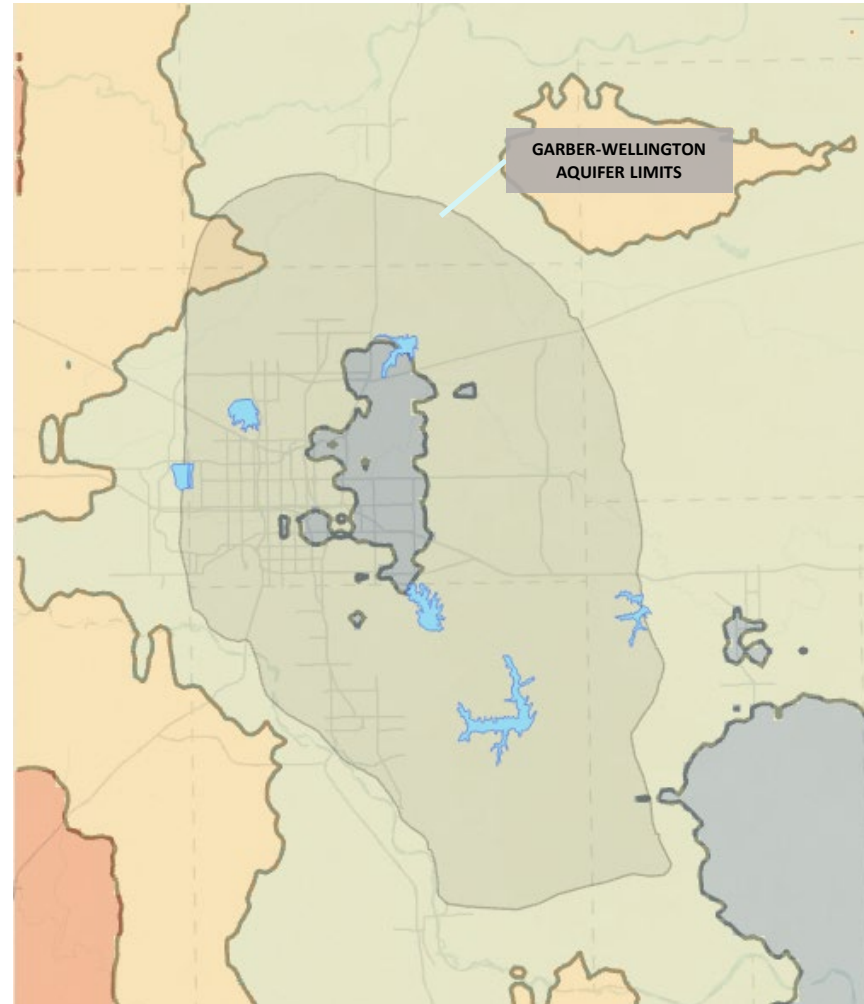


12-MONTH CUMULATIVE AQUIFER RECHARGE

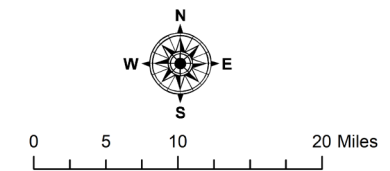
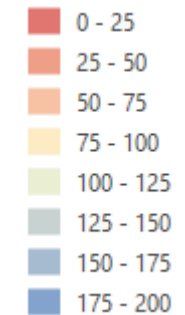


CLOSER TO AVERAGE:

- This April was not as wet as last year - meaning our cumulative recharge is hovering around average levels now
- The next 1-2 months will likely decide what our recharge map looks like until fall



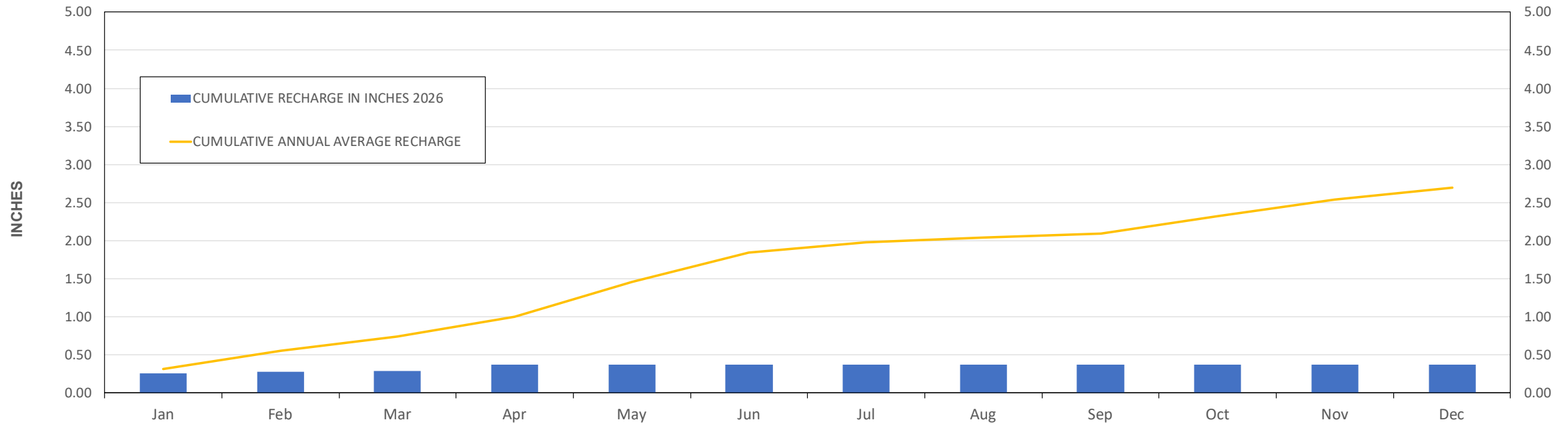
Percent of Cumulative Recharge



RECHARGE CHARTS: CENTRAL OKLAHOMA AQUIFER SYSTEM



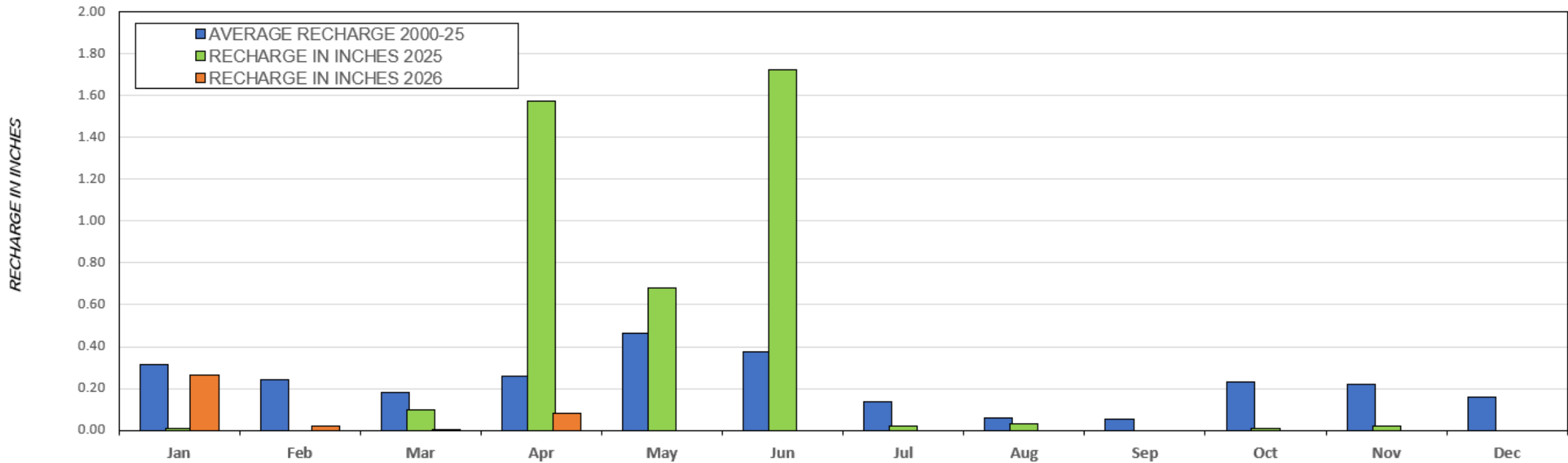
ACCUMULATED CENTRAL OKLAHOMA AQUIFER SYSTEM RECHARGE 2026



RECHARGE CHARTS: CENTRAL OKLAHOMA AQUIFER SYSTEM CONT.

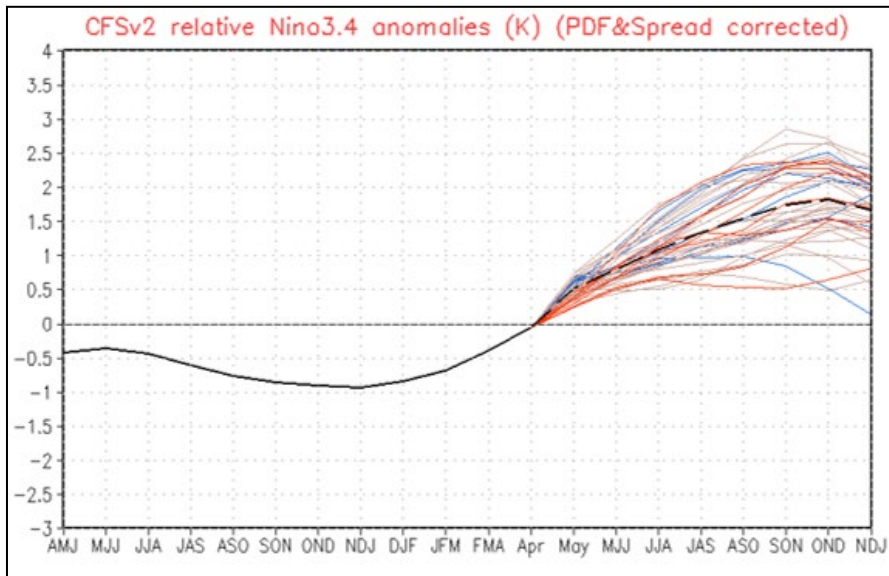


MONTHLY AQUIFER RECHARGE 2026

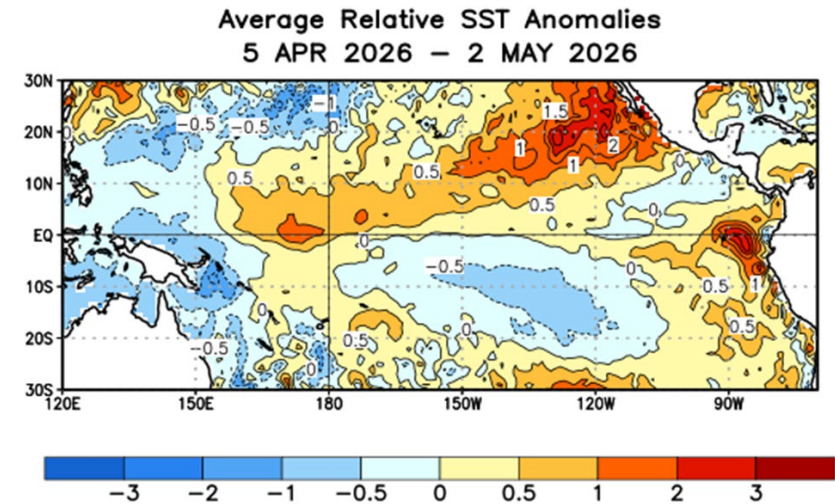


Recharge for April was certainly higher than March - but nowhere near 2025 levels.

ENSO CYCLE – CURRENT PATTERNS 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):

April progressed as expected with our shift towards ENSO-neutral conditions – meaning we should expect some storms and variable weather this month.



- April rainfall this year was nowhere near what we saw in 2025, but the rain we received still helped.
- The outlook for May is uncertain - ideally the variable weather will bring out a few big storms to help us catch up.
- Keep conserving water resources and planning long term, since we could be facing a drier year than 2025.



THANK YOU!

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Water Resources Manager

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ASSOCIATION OF
CENTRAL OKLAHOMA
GOVERNMENTS