



DROUGHT CONDITIONS

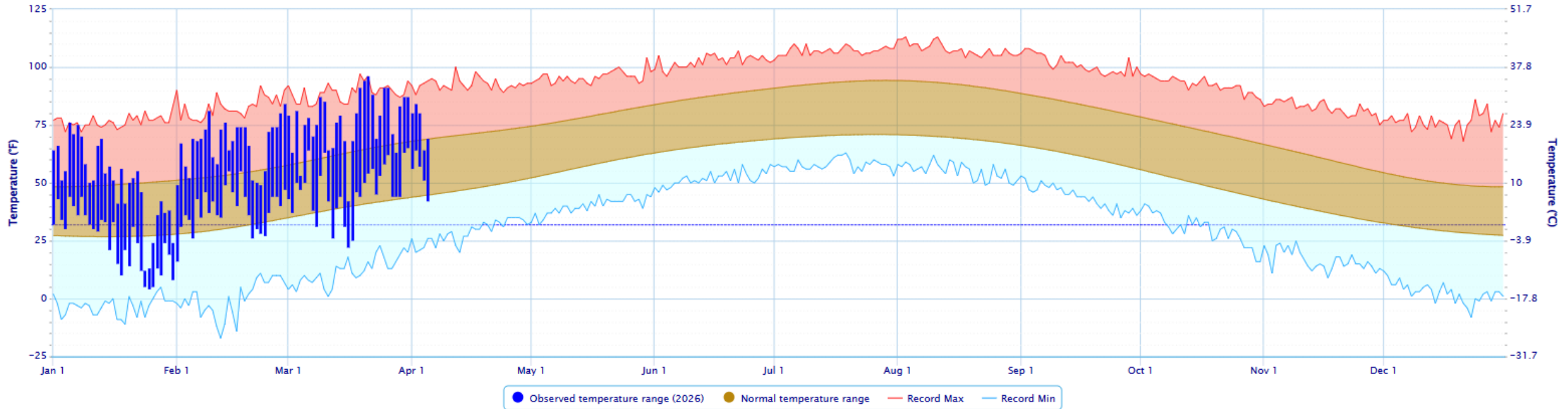
IN CENTRAL OKLAHOMA

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APRIL 2026

TEMPERATURE PLOT FOR OKLAHOMA CITY, OK - 2026

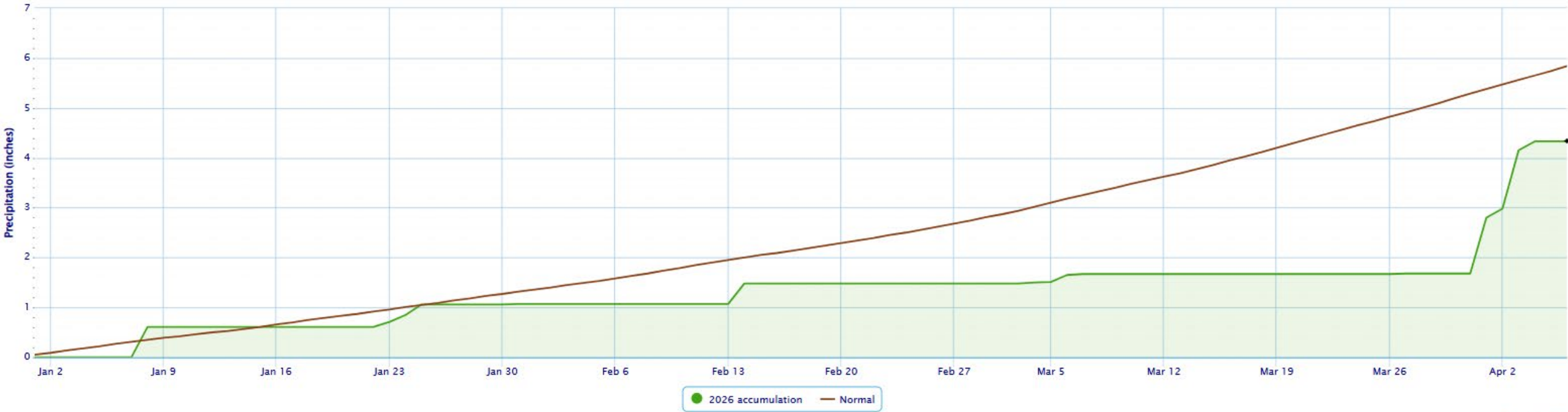


Powered by ACIS

MONTHLY TEMPERATURE TREND:

March brought more record-breaking heat - with the highest temperatures just shy of 100°F

PRECIPITATION PLOT FOR OKLAHOMA CITY, OK - 2026



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MONTHLY PRECIPITATION TREND:

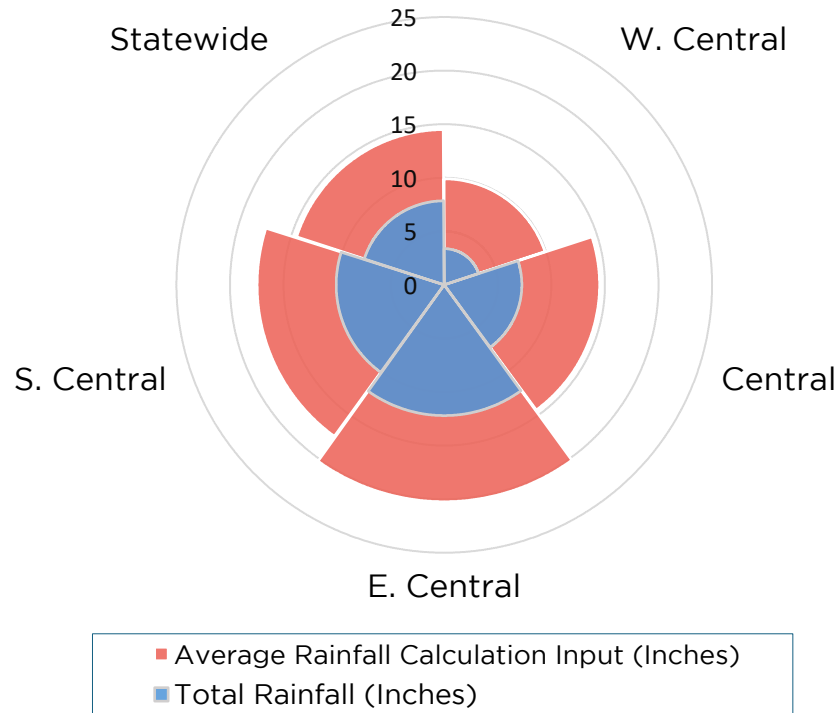
March received only 0.20 inches of rain - but April is looking much more promising

WATER YEAR RAINFALL SUMMARY



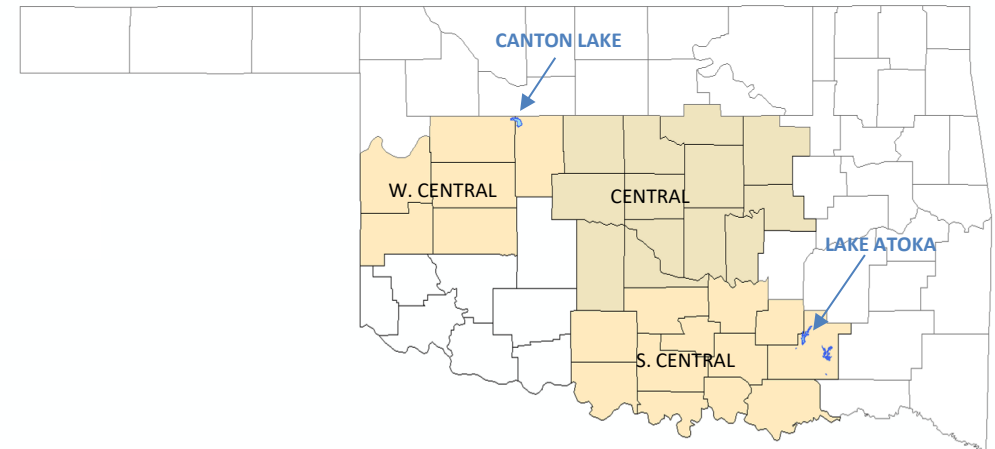
WATER YEAR RAINFALL SUMMARY

Oct 1, 2025 - Apr 1, 2026



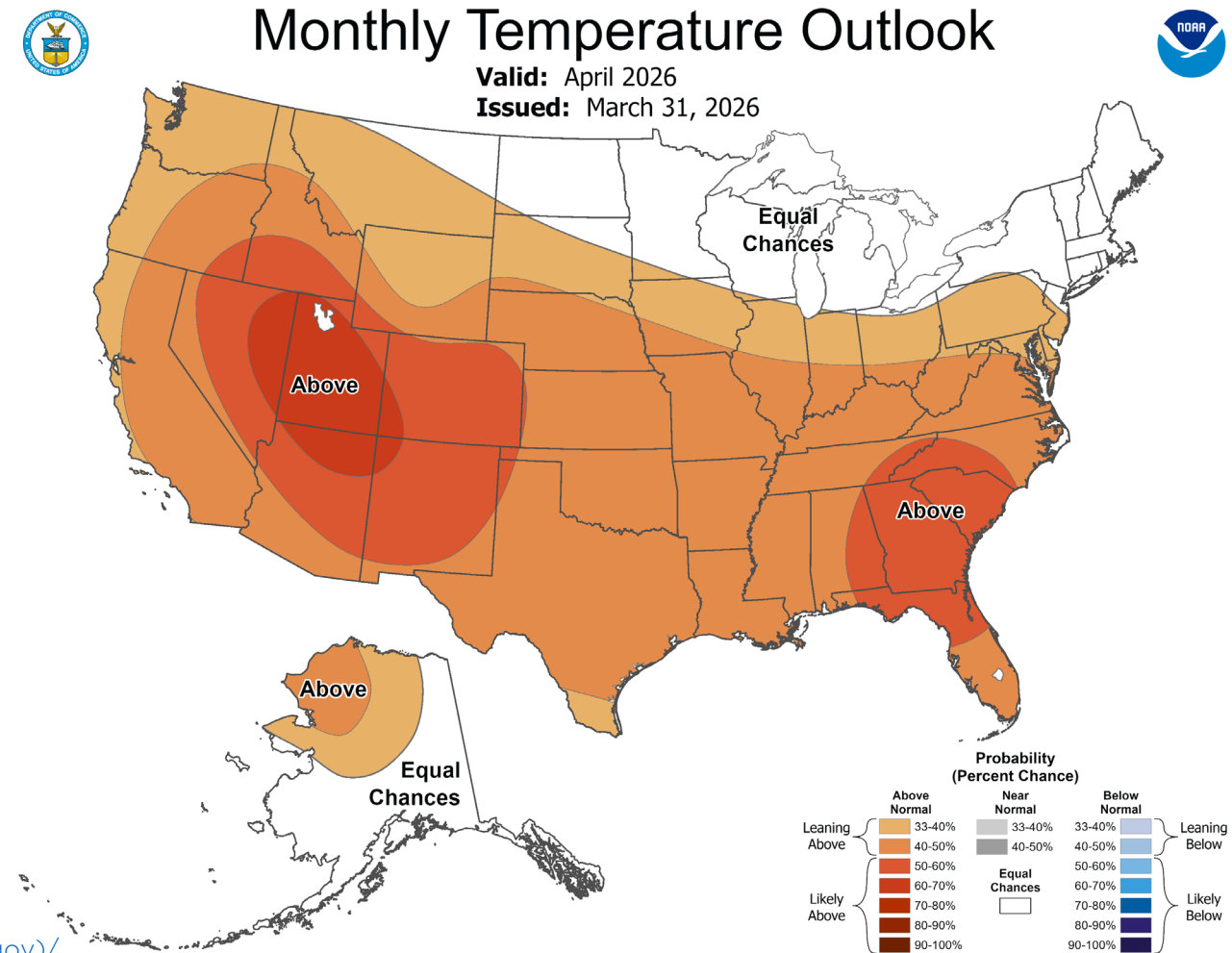
CENTRAL OKLAHOMA TAKEAWAY:

- Total water year rainfall through March was exactly 50% of normal - short by 7.26 inches
- However, thanks to the early April rains, Central OK has gone from its 9th driest water year to its 40th wettest as of April 6th.



APRIL TEMPERATURE OUTLOOK:

- White areas shown as EC (Equal Chance) on these maps represent areas with no strong climate signals based on current data.
- Although not as deep in the red as March – April is expected to remain warmer than average

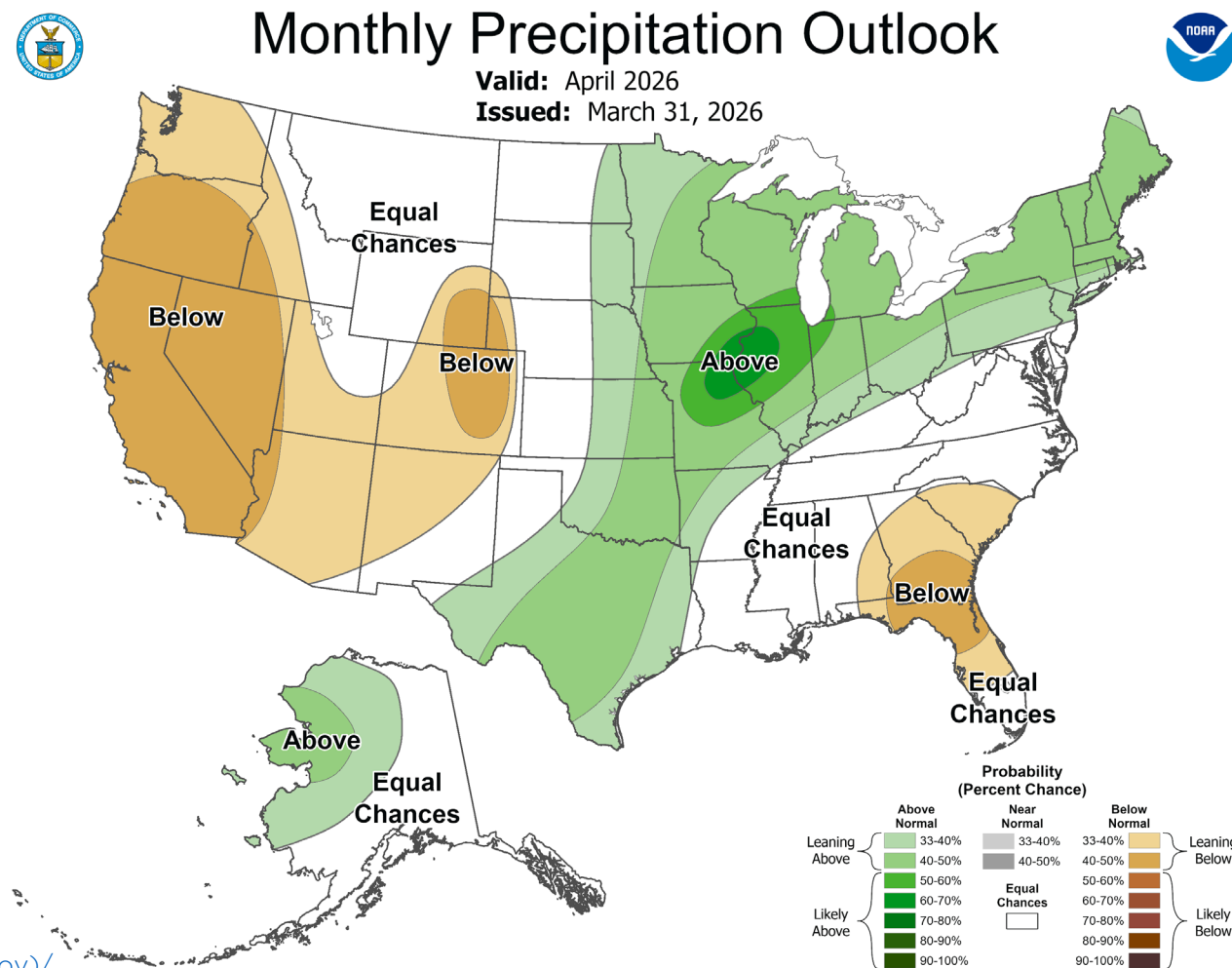


NOAA ONE-MONTH PRECIPITATION OUTLOOK

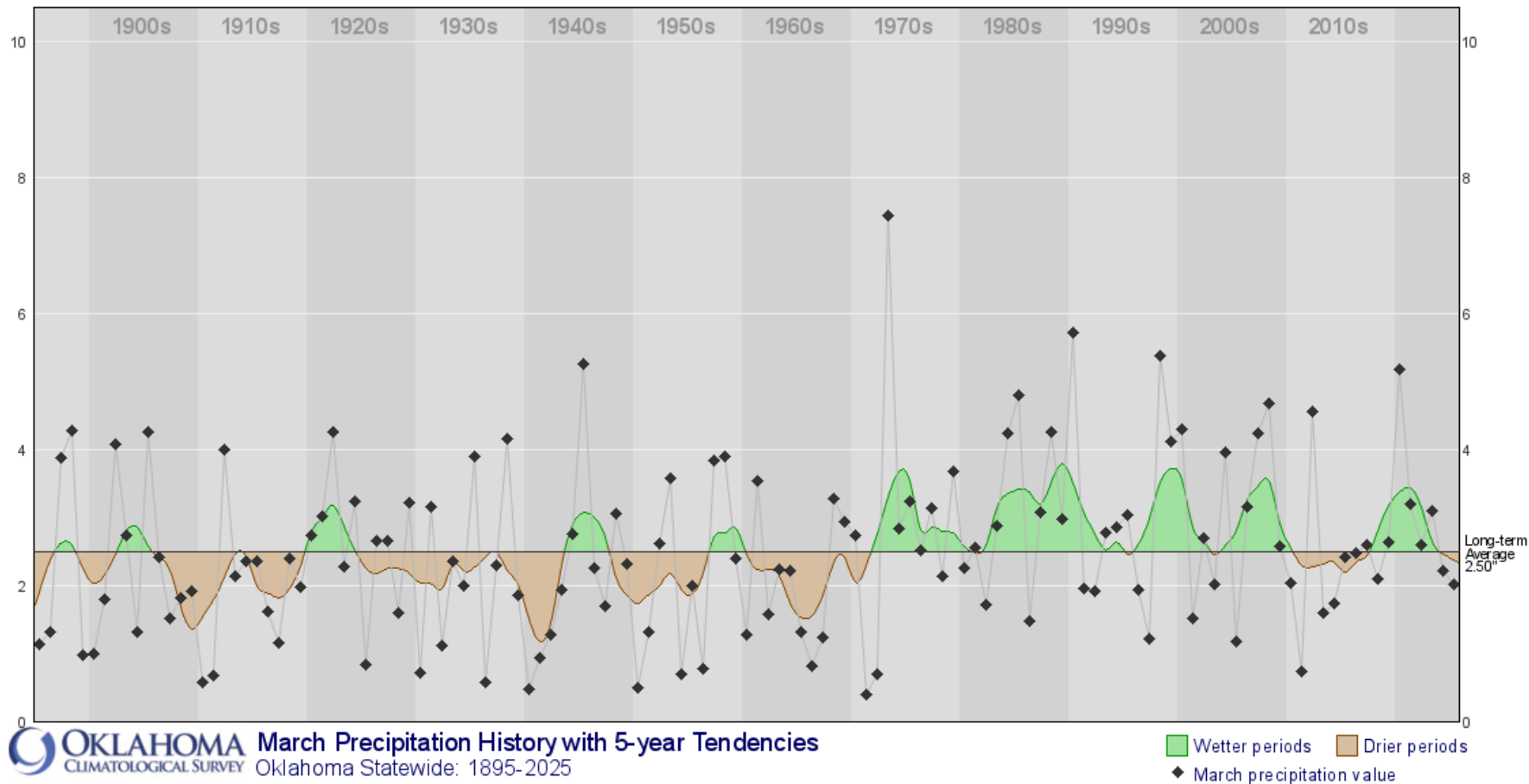


APRIL PRECIPITATION OUTLOOK:

- White areas shown as EC (Equal Chance) on these maps represent areas with no strong climate signals based on current data.
- The precipitation outlook map looks similar to last month – but April has already received nearly an inch more rain as of the 1st



MARCH PRECIPITATION HISTORY WITH 5-YEAR TENDENCIES



HISTORICAL RAINFALL TRENDS:

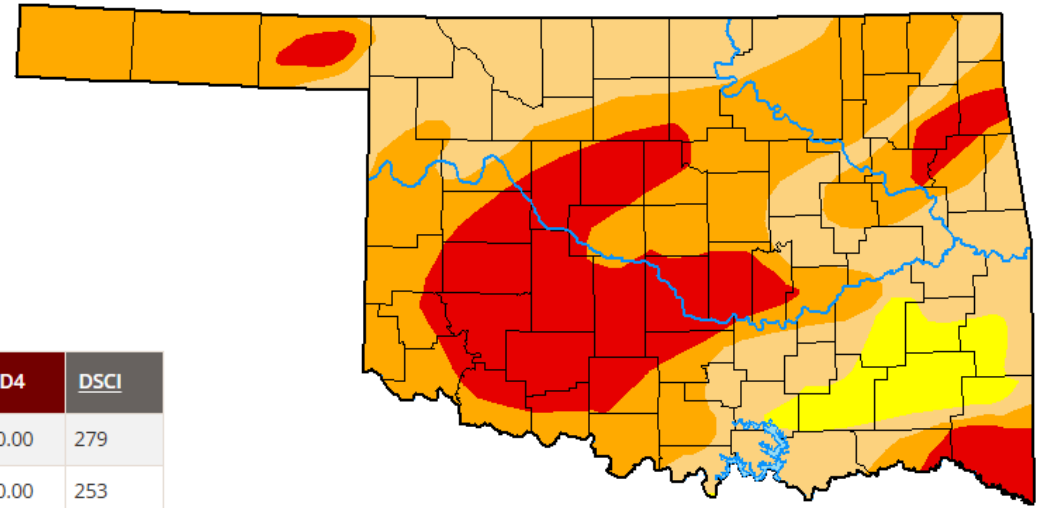
- This March follows the drier period from 2025 – forming what may become a longer trend
- The April data shows a growing wet pattern that we seem to be following

U.S. DROUGHT MONITOR - OKLAHOMA



ALL OF OKLAHOMA REMAINS IN DROUGHT:

While a small Southeastern portion of Oklahoma saw weakened drought intensity, most areas experienced worsening drought conditions



Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2026-03-24	0.00	100.00	94.29	62.17	22.49	0.00	279
Last Week to Current	2026-03-17	0.00	100.00	94.29	45.44	13.50	0.00	253
3 Months Ago to Current	2025-12-23	26.30	73.70	44.79	13.13	4.80	0.00	136
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	2025-03-25	23.05	76.95	47.52	14.10	0.00	0.00	139

Estimated Population in Drought Areas: **3,680,693**

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

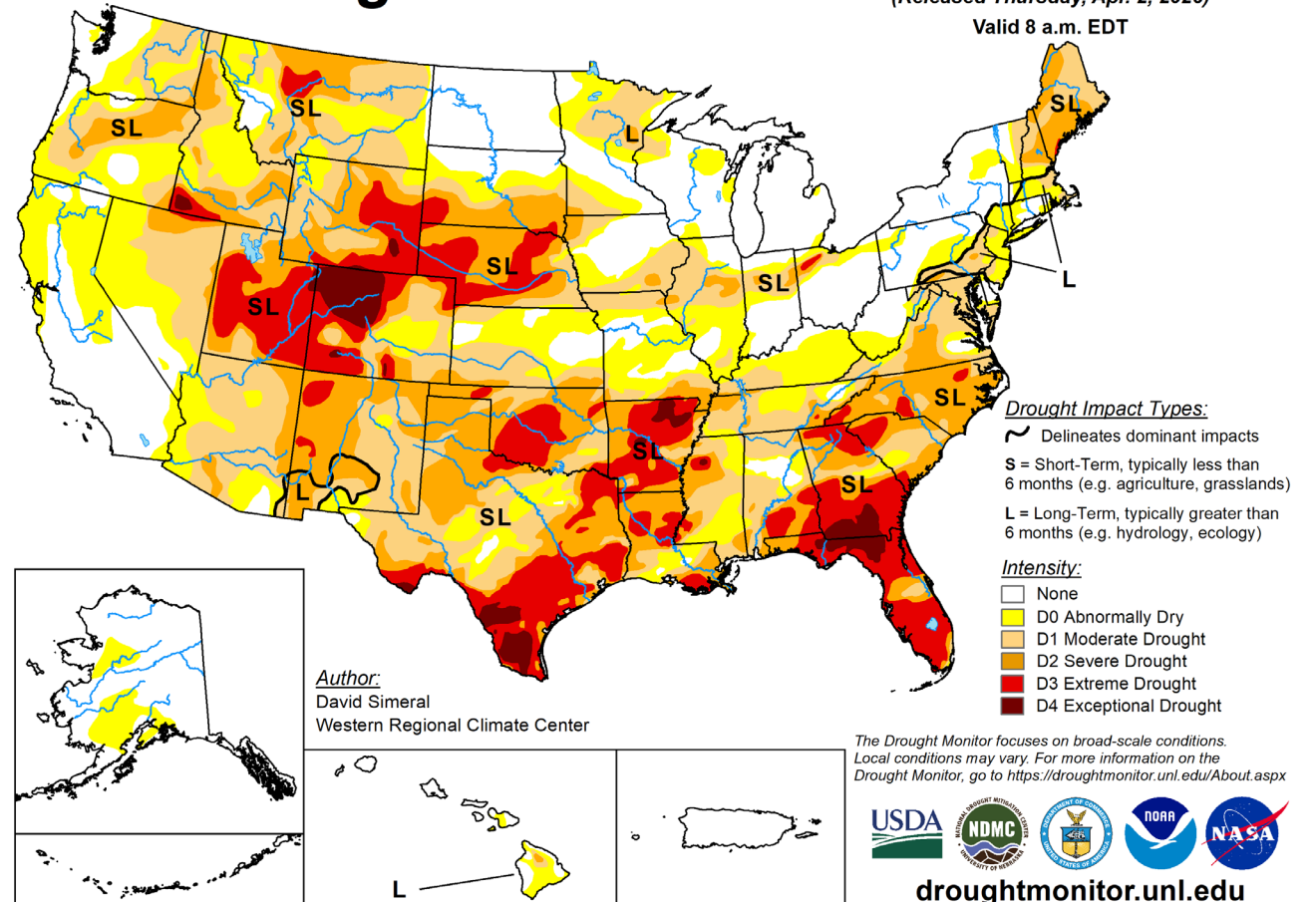


NATIONAL DROUGHT IMPACTS:

- Levels of extreme and exceptional drought have grown in multiple states
- Some states saw moderate relief – but relief is still outpaced by drought growth overall

U.S. Drought Monitor

March 31, 2026
(Released Thursday, Apr. 2, 2026)
Valid 8 a.m. EDT

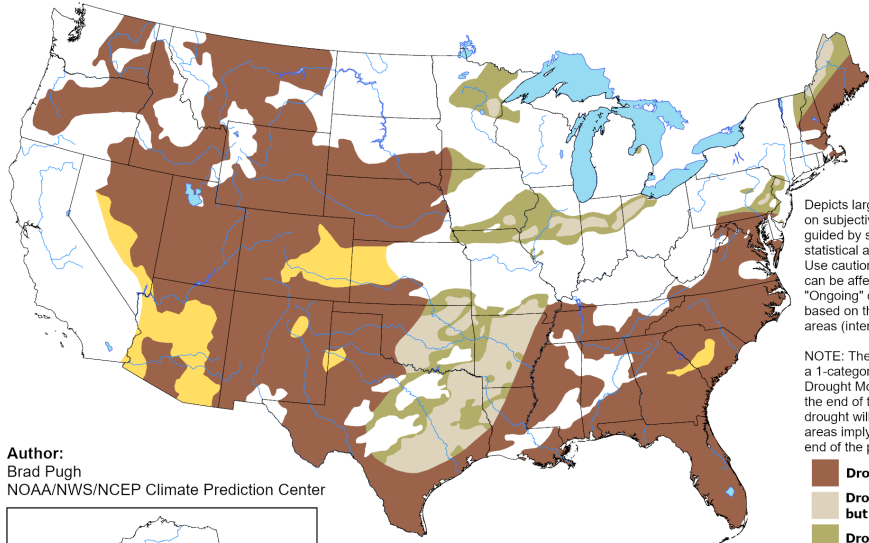


U.S. DROUGHT OUTLOOK MAPS



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

Valid for April 2026
Released March 31, 2026

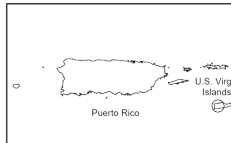
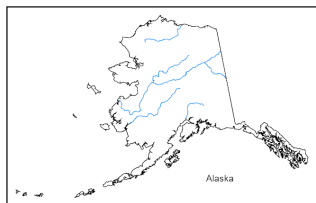


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

- Drought persists
- Drought remains, but improves
- Drought removal likely
- Drought development likely
- No drought

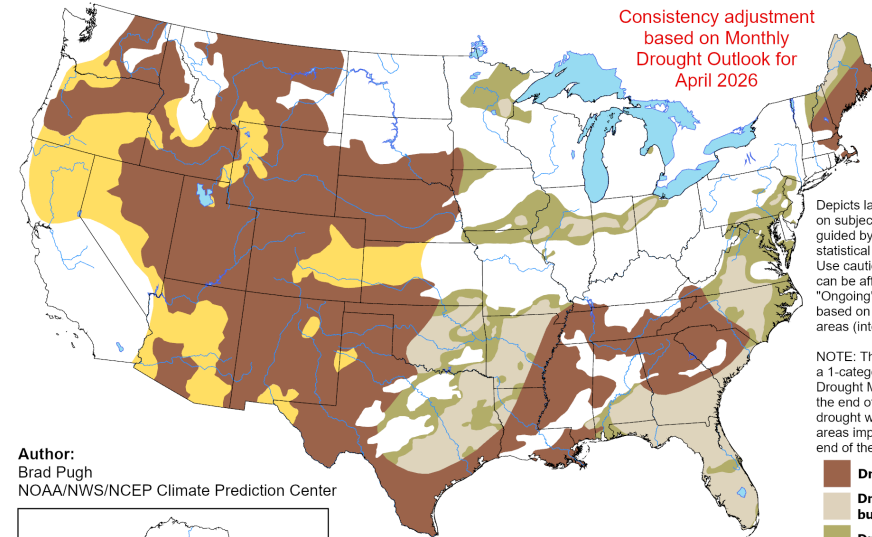
Author:
Brad Pugh
NOAA/NWS/NCEP Climate Prediction Center



<https://go.usa.gov/3eZGd>

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

Valid for April 1 - June 30, 2026
Released March 31, 2026

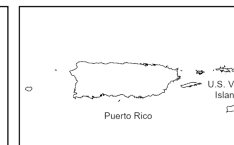
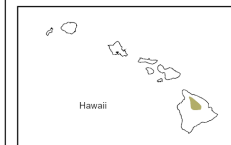
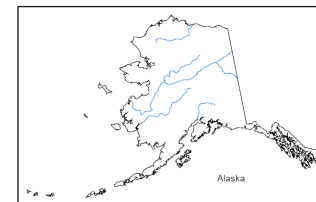


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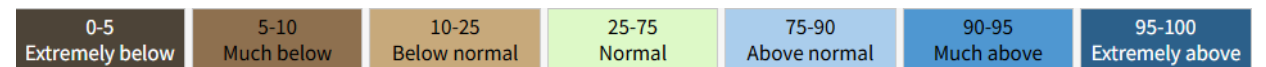
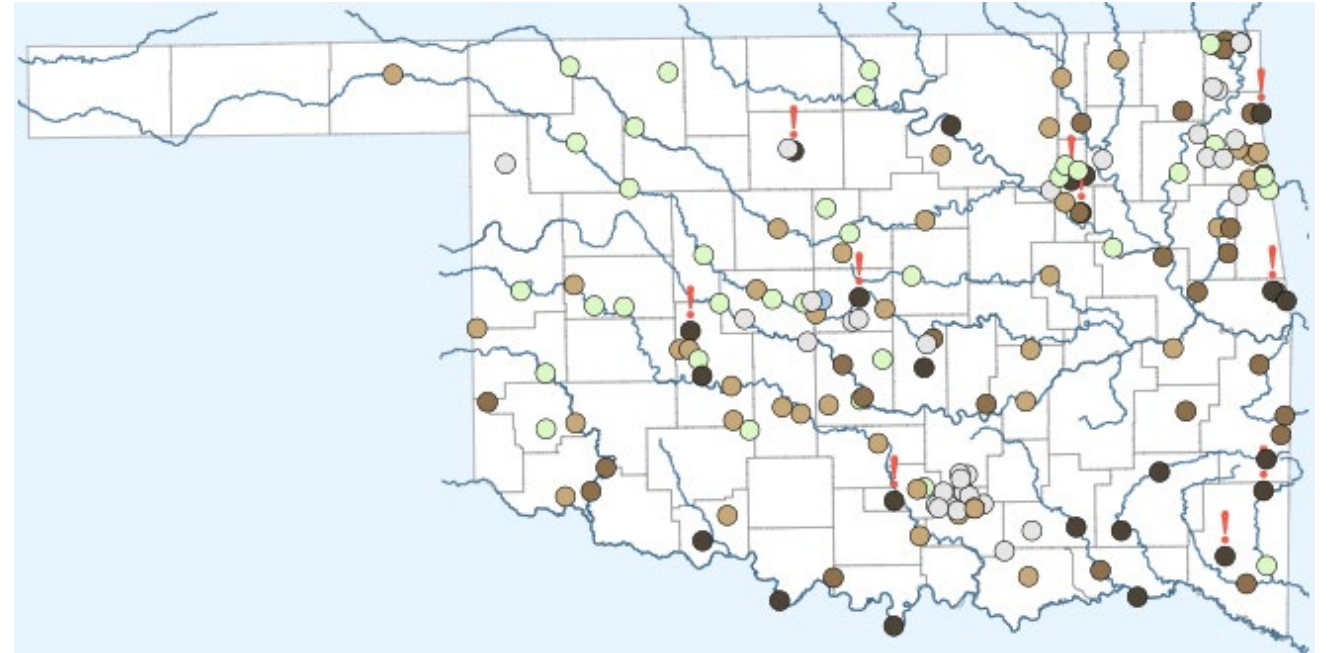
<https://go.usa.gov/3eZ73>

US DROUGHT OUTLOOK SUMMARY:

Both monthly and seasonal predictions have drought growing across most of the United States - especially in the West

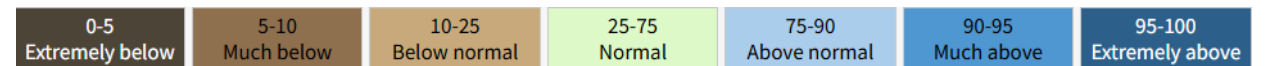
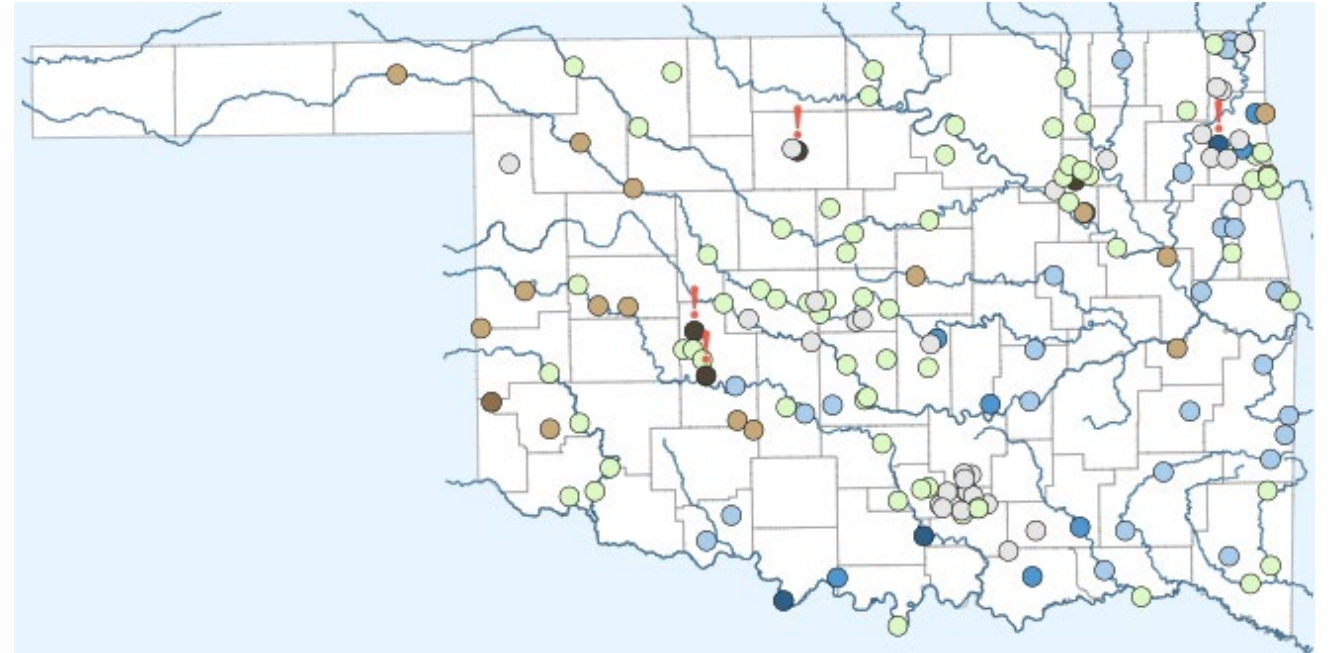
STREAMFLOW CONDITIONS:

- Streamflow ratings are made by comparing current readings against historic 120-day readings
- Multiple sampling areas saw shifts to “below normal” and “much below” compared to February
- Areas with “extremely below” flow conditions had nearly doubled by the end of March

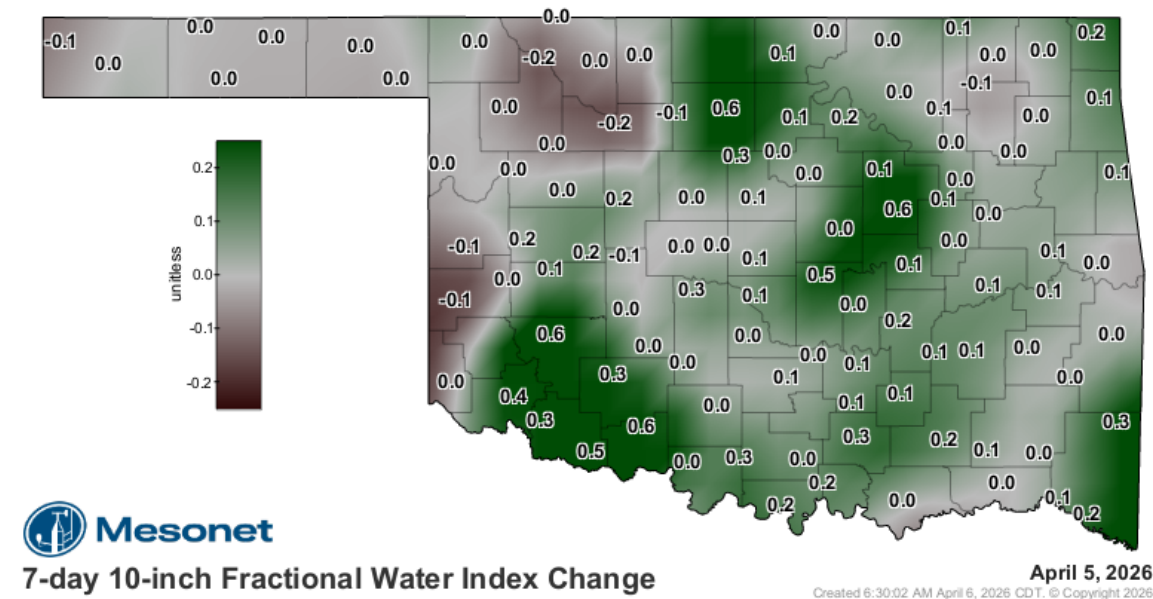
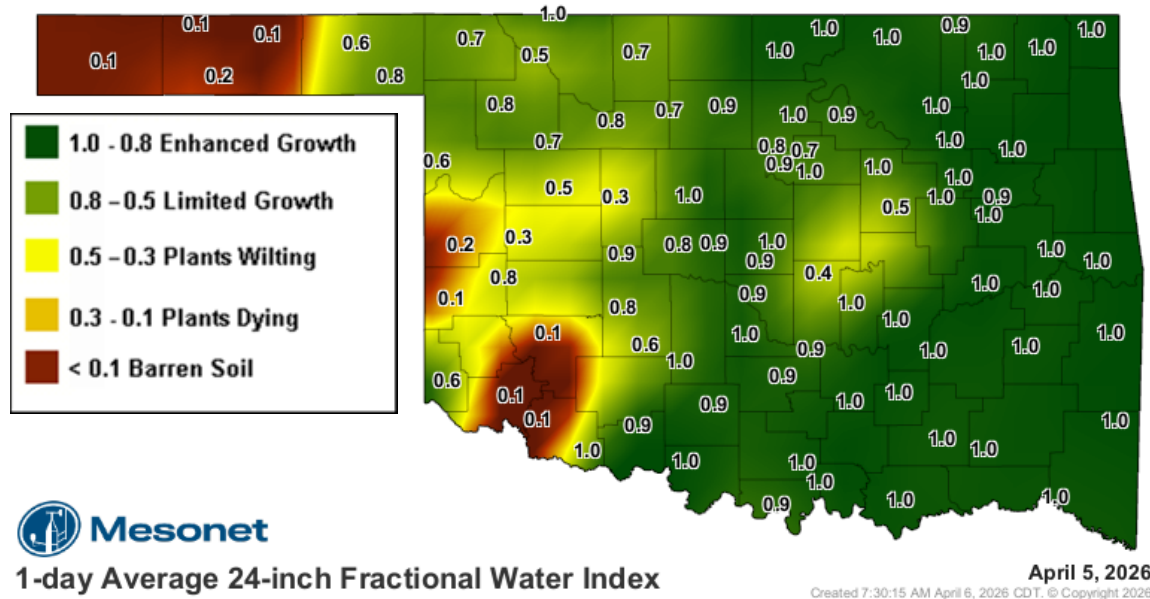


STREAMFLOW CONDITIONS (CONTINUED):

- Fortunately, rains in the first weekend of April have nearly eradicated our below normal conditions - leaving just a few areas left



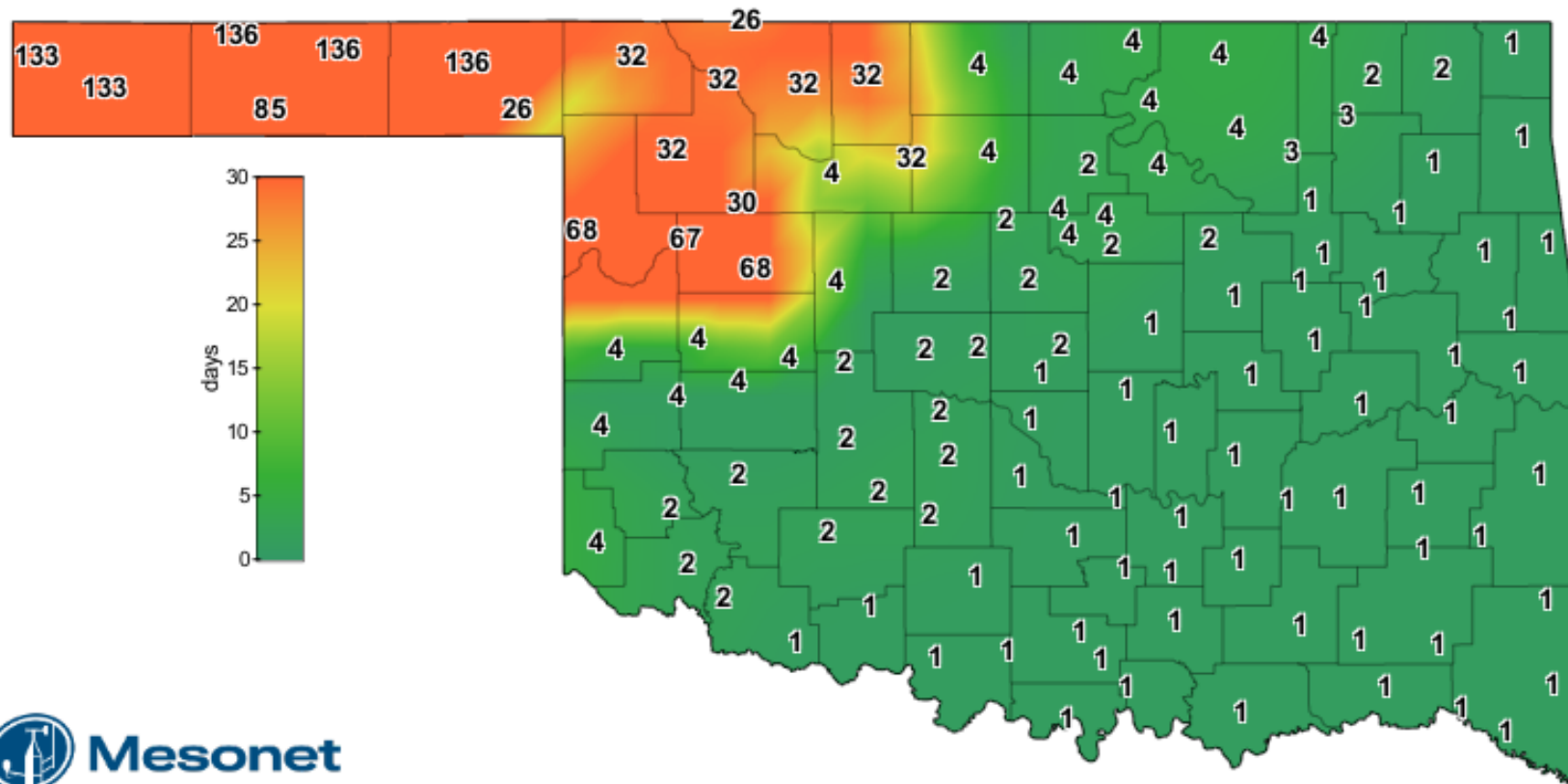
SOIL MOISTURE MAP



SHORT-TERM SOIL MOISTURE STATUS:

The 24-inch soil moisture map remains largely unchanged from February – but our 7-day map shows clear increases in moisture thanks to the April showers

DAYS SINCE LAST RAINFALL



A WAVE OF RELIEF:

- Nearly all the state racked up days without rain throughout March
- April has once again changed that trajectory - with just the Northwestern and Panhandle areas remaining dry

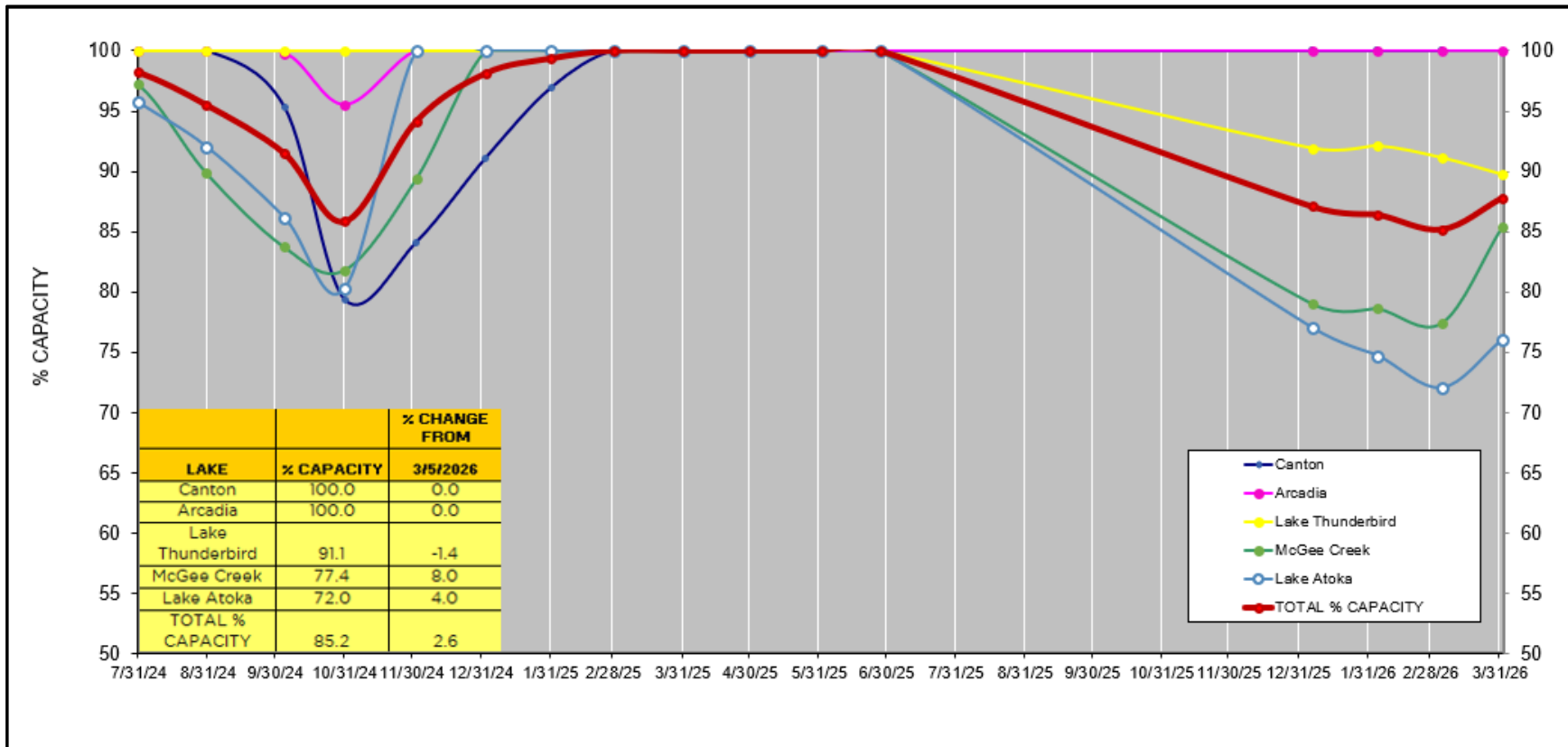


Consecutive Days With Less Than 0.25" Rainfall

April 5, 2026

Created 8:15:02 AM April 6, 2026 CDT. © Copyright 2026

SURFACE WATER CONSERVATION CAPACITY – CENTRAL OK RESERVOIRS



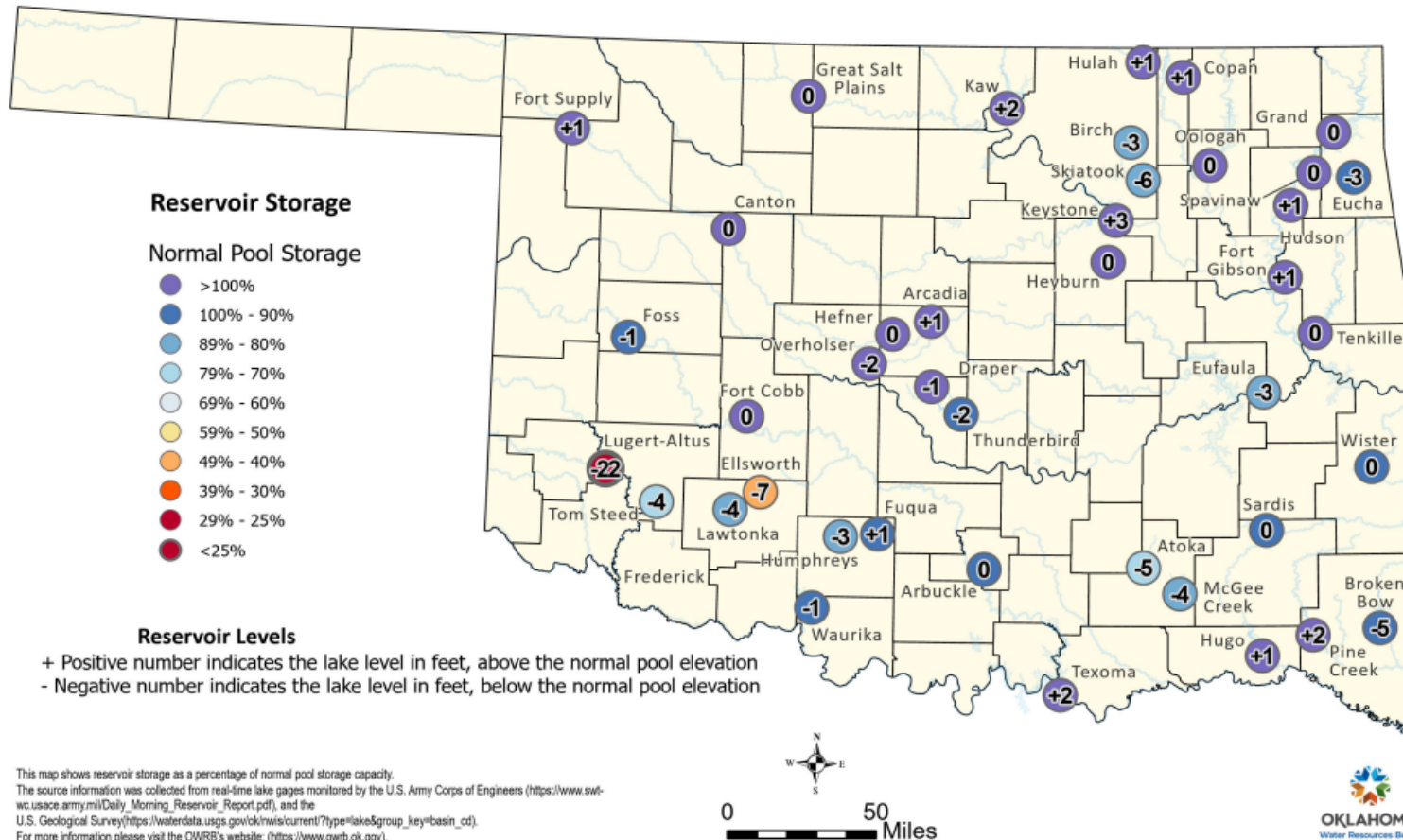
RESERVOIR TRENDS:

- Central Oklahoma reservoirs began holding inflow in March – responding to increased demand during the unusually warm months

OKLAHOMA RESERVOIR LEVELS AND STORAGE



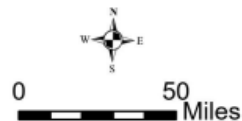
Oklahoma Reservoir Levels and Storage as of 3/30/2026



CURRENT RESERVOIR CONDITIONS:

- Oklahoma lake levels tracked as a percentage of normal storage
- Levels are being carefully maintained across all regions to meet warm weather demands

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.swf-wc.usace.army.mil/Daily_Morning_Reservoir_Report.pdf), and the U.S. Geological Survey (https://waterdata.usgs.gov/ok/hwis/current/?type=lake&group_key=basin_cd). For more information please visit the OWRB's website: (<https://www.owrb.ok.gov>).

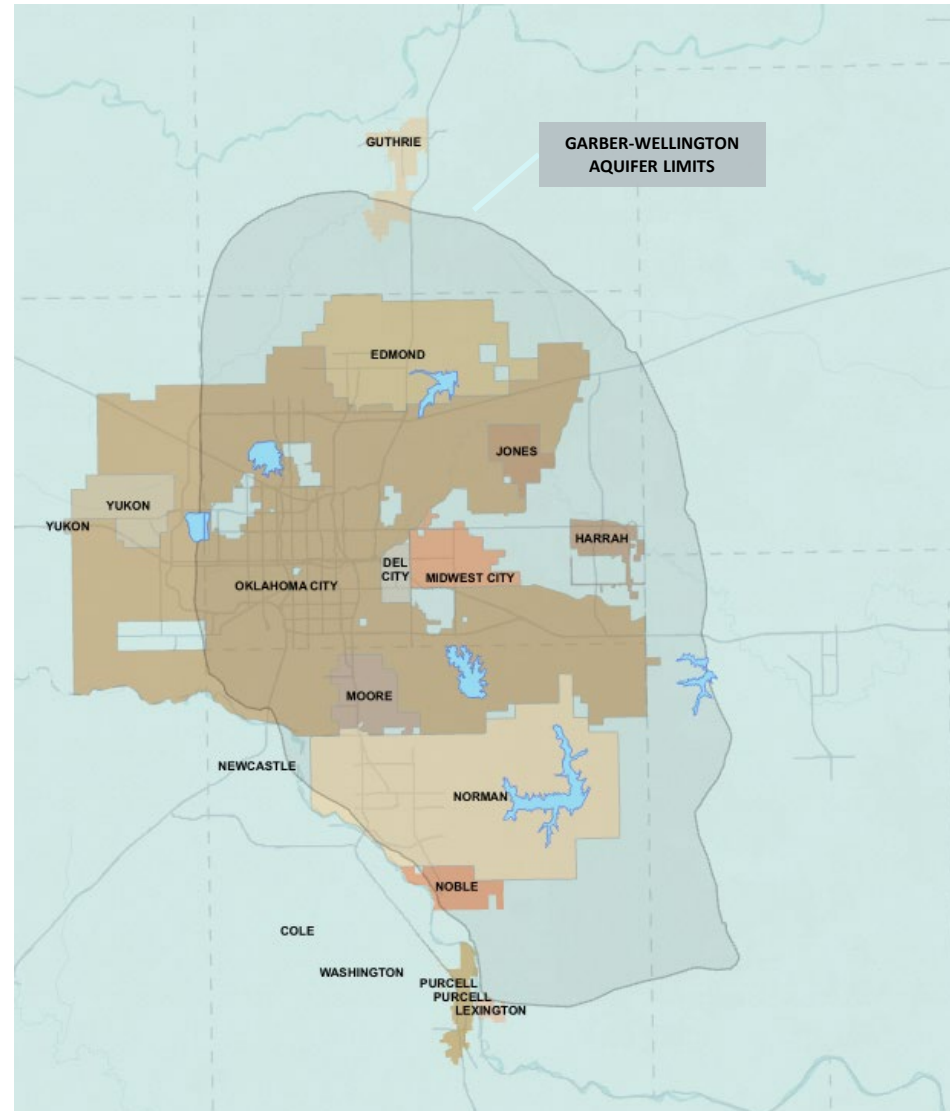


MONTHLY AQUIFER RECHARGE

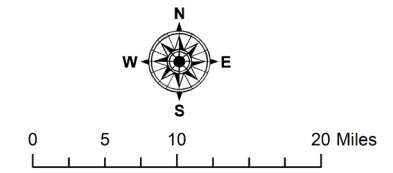
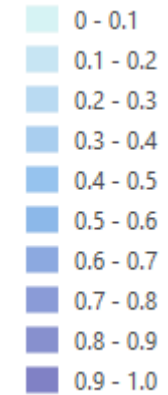


NO MARCH RECHARGE:

- The Garber-Wellington saw negligible recharge between the lack of rain and the hot temperatures
- On the bright side – April’s recharge map will have much more color



Recharge in Inches

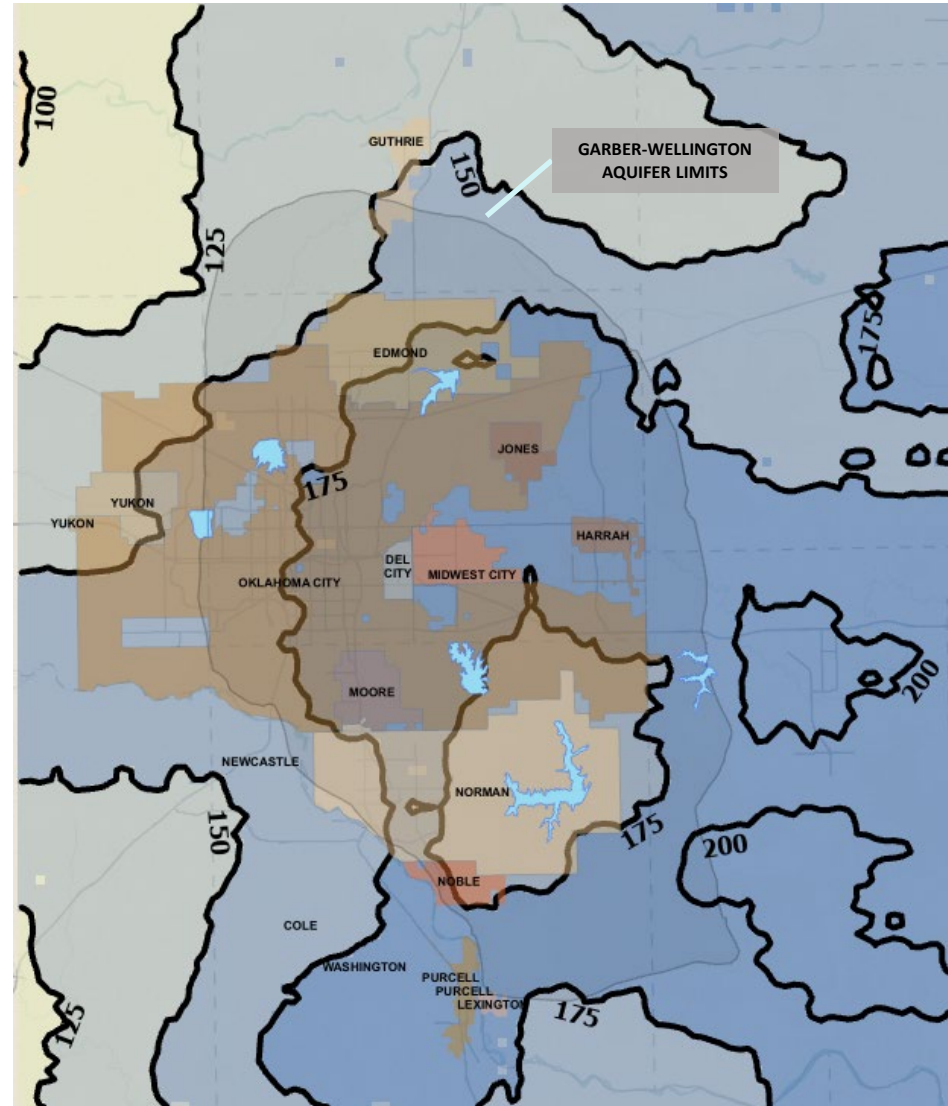


12-MONTH CUMULATIVE AQUIFER RECHARGE

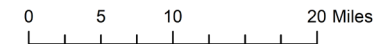
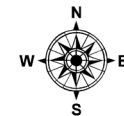
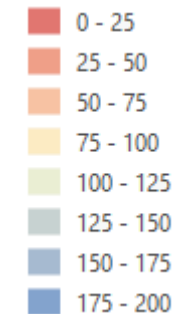


LOSING GROUND:

- As we near the 12-month mark from our big 2025 wet season - our cumulative recharge areas start shrinking on the map
- But once again - April looks like it will keep this map in the blue



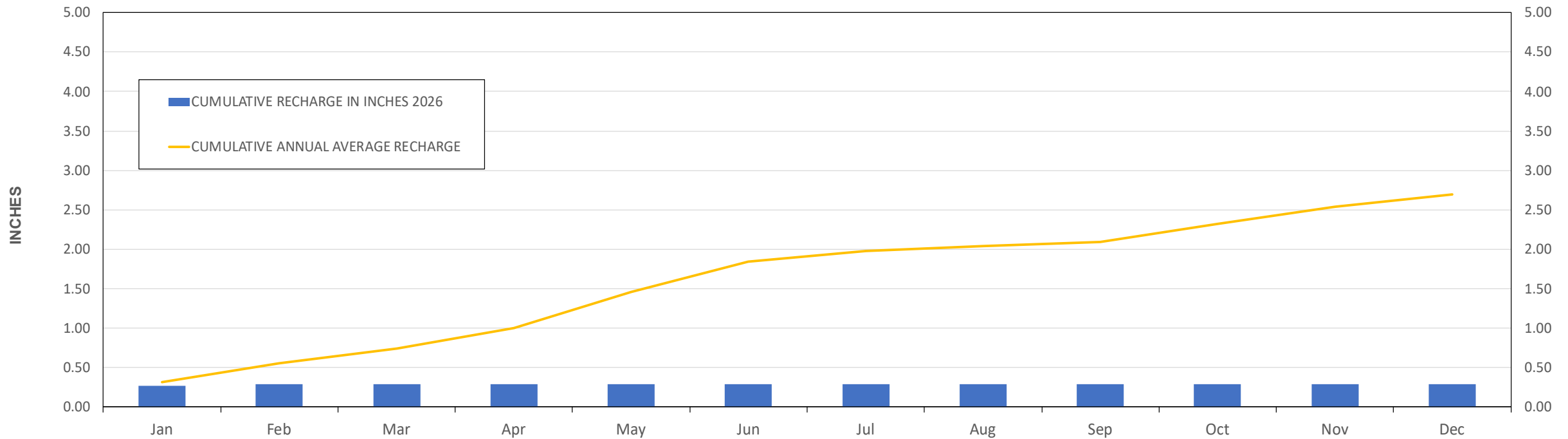
Percent of Cumulative Recharge



RECHARGE CHARTS: CENTRAL OKLAHOMA AQUIFER SYSTEM



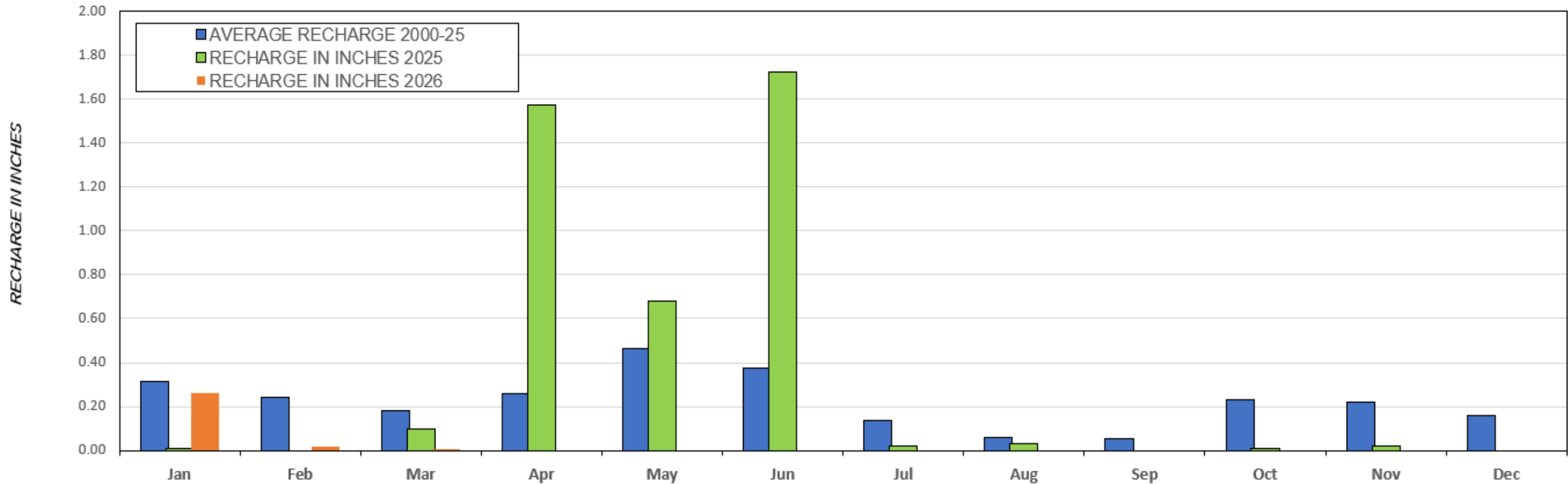
ACCUMULATED CENTRAL OKLAHOMA AQUIFER SYSTEM RECHARGE 2026



RECHARGE CHARTS: CENTRAL OKLAHOMA AQUIFER SYSTEM CONT.

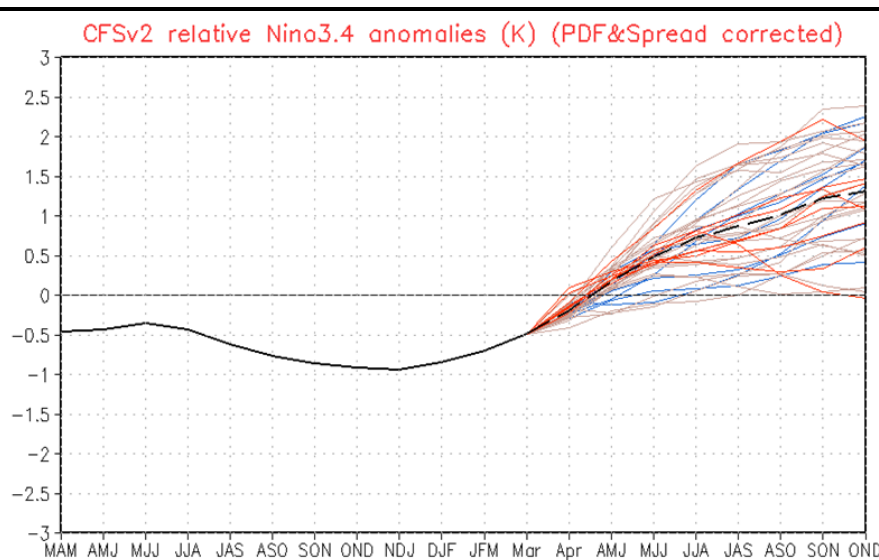


MONTHLY AQUIFER RECHARGE 2026



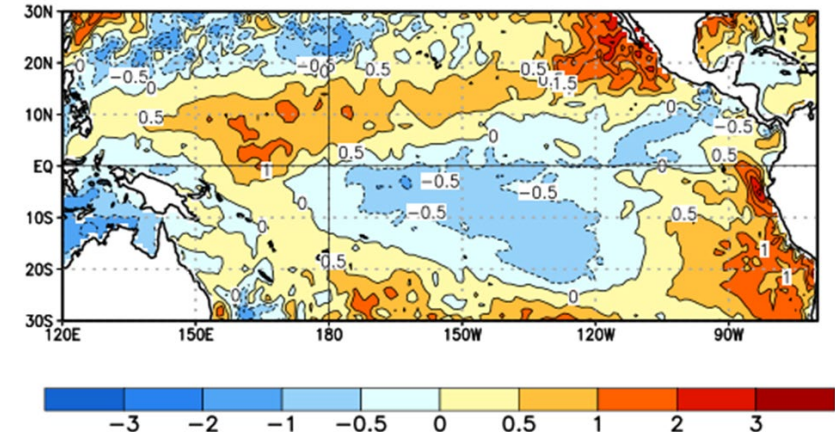
Recharge for March barely shows on the graph - but the bar will finally go up in April

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

Average Relative SST Anomalies
8 MAR 2026 – 4 APR 2026



CLIMATE PATTERN UPDATE (ENSO):

We saw the expected large temperature swings through March – now we’re finally seeing the rain as we transition to ENSO-neutral



- March started out promising with early rainfall - but that was all the significant rain we received for the month
- 2026 was even hotter and drier than 2025 in a continuing pattern of record-breaking drought and heat each year
- Thankfully, April has already brought some relief - and more is expected throughout the month

QUESTIONS?

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ASSOCIATION OF
CENTRAL OKLAHOMA
GOVERNMENTS