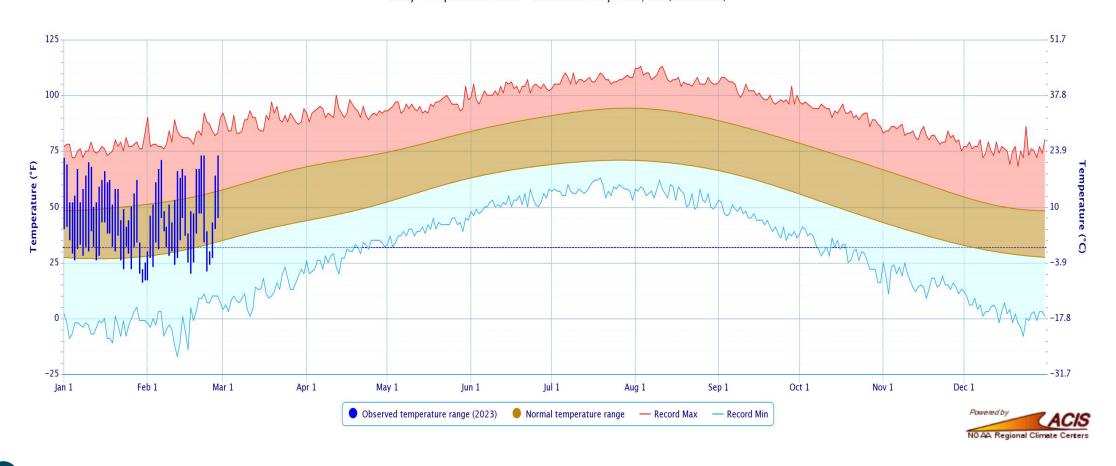


TEMPERATURE PLOT FOR OKLAHOMA CITY, OKLAHOMA FOR 2023



Daily Temperature Data - Oklahoma City Area, OK (ThreadEx)



PRECIPITATION PLOT FOR OKLAHOMA CITY, **OKLAHOMA FOR 2023**



Accumulated Precipitation - Oklahoma City Area, OK (ThreadEx)



RAINFALL SUMMARIES BY OKLAHOMA CLIMATE DIVISION



Calendar Year	01-Jan-2022 though	27-Feb-2023
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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	1.33"	-0.69"	66%	39th driest	0.13" (1970)	5.04" (1949)
Central	3.19"	+0.03"	101%	41st wettest	0.40" (1963)	7.74" (1949)
S. Central	4.61"	+0.37"	109%	36th wettest	0.44" (1963)	11.02" (1932)
Statewide	3.75"	+0.44"	113%	31st wettest	0.59" (1976)	7.56" (1949)

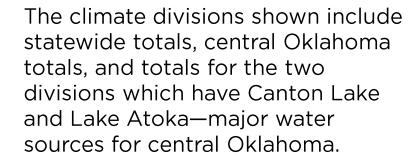
Water Year: 01-Oct-2021 through 27-Feb-2023

Climate Division	Total Rainfall	Departure from Normal	Pct of Normal	Rank since 1921 (88 periods)	Driest on Record	Wettest on Record
W. Central	6.46"	-1.10"	85%	47th wettest	1.47" (1966-67)	15.79" (1986-87)
Central	10.13"	-1.14"	90%	40th wettest	3.00" (1921-22)	22.08" (1984-85)
S. Central	14.40"	+0.47"	103%	31st wettest	3.74" (1966-67)	25.67" (2000-01)
Statewide	11.19"	-0.20"	98%	38th wettest	3.56" (1966-67)	18.93" (1984-85)

Winter Dec 01 through 27-Feb-2023

Climate Division	Total Rainfall	Departure from Normal	Pct of Normal	Rank since 1921 (88 periods)	Driest on Record	Wettest on Record
W. Central	2.48"	-0.76"	77%	51st driest	0.54" (2005-06)	7.90" (1959-60)
Central	5.30"	+0.15"	103%	34th wettest	0.90" (2005-06)	14.01" (1984-85)
S. Central	6.60"	-0.23"	97%	44th wettest	1.99" (1966-67)	13.14" (1937-38)
Statewide	5.60"	+0.22"	104%	35th wettest	1.51" (2005-06)	10.38" (1984-85)



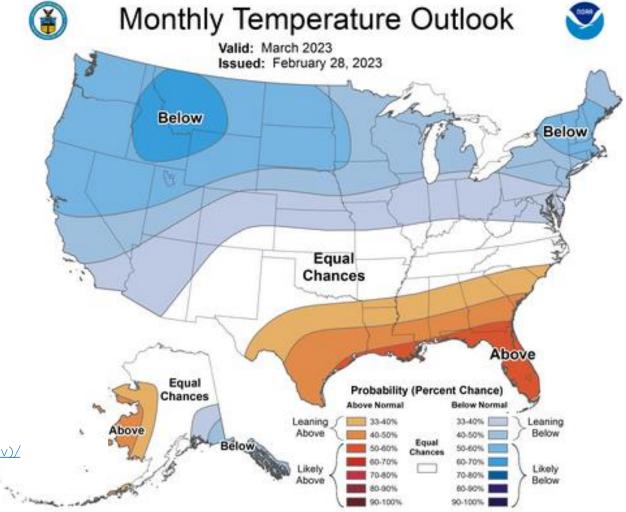


NOAA ONE-MONTH TEMPERATURE OUTLOOK



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)/

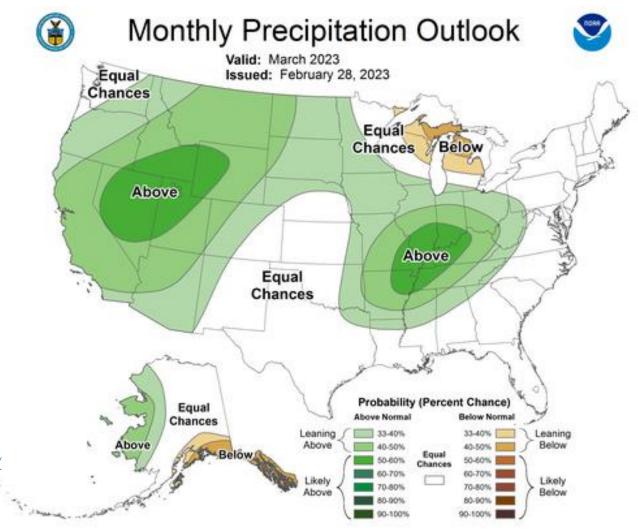
NOAA ONE-MONTH PRECIPITATION OUTLOOK



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.

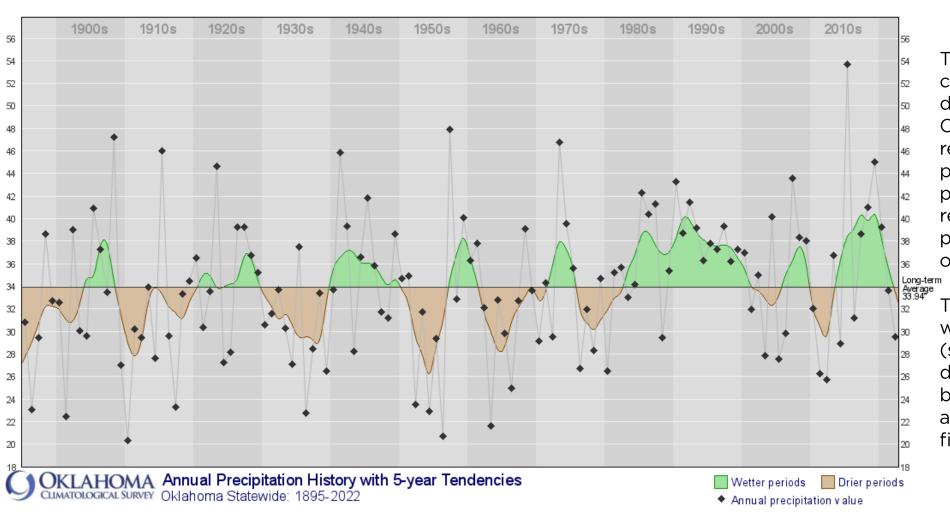
That doesn't mean that there are equal chances of each of the categories occurring – it means that currently there is no skill in identifying the most likely category. In these areas, it is best to be prepared for all possibilities.

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.

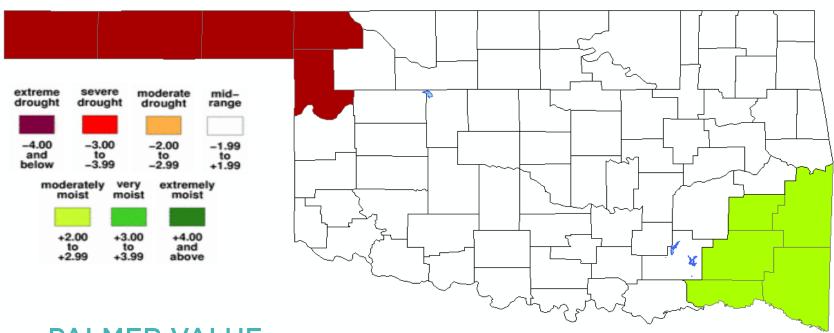
7

http://climate.ok.gov/index.php/climate/climate_trends/precipitation_history_annual_statewide/CD00/prcp/Annual/oklahoma_south-central_u.s

DROUGHT SEVERITY INDEX BY CLIMATE DIVISION







PALMER VALUE

25 FEB 2023

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.

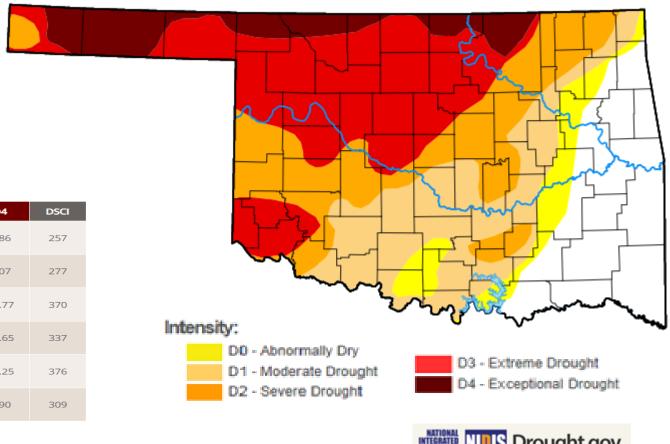
U.S. DROUGHT MONITOR - OKLAHOMA



February 23, 2023

Abnormal dryness or drought are currently affecting approximately 3,066,657 people in Oklahoma.

Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2023-02- 21	19.22	80.78	74.65	56.47	36.64	8.86	257
Last Week	2023-02- 14	14.97	85.03	80.07	66.94	36.58	8.07	277
3 Months Ago	2022-11-	0.00	100.00	97.68	87.88	64.46	19.77	370
Start of Calendar Year	2022-12- 27	1.82	98.18	89.73	80.92	56.13	11.65	337
Start of Water Year	2022-09- 27	0.00	100.00	99.88	94.44	64.44	17.25	376
One Year Ago	2022-02-	6.69	93.31	86.65	73.94	52.05	2.90	309





U.S. DROUGHT MONITOR NATIONWIDE MAP



Map released: February 23, 2023

Data valid: February 21, 2023

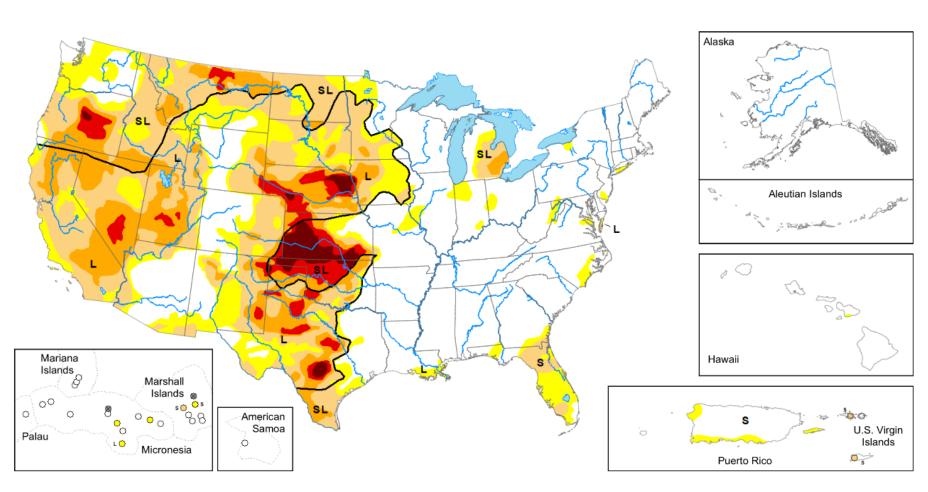
Intensity and Impacts



United States and Puerto Rico Author(s):

Deborah Bathke, National Drought Mitigation Center

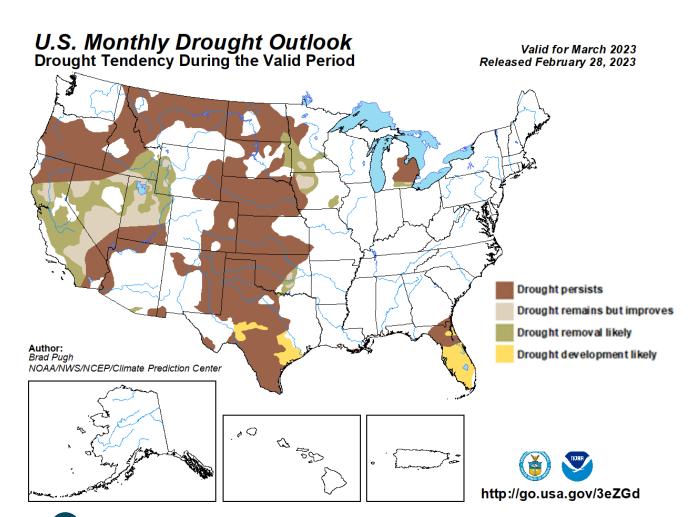
Pacific Islands and Virgin Islands Author(s): Ahira Sanchez-Lugo, NOAA/NCEI





U.S. DROUGHT MONITOR MONTHLY DROUGHT OUTLOOK MAP



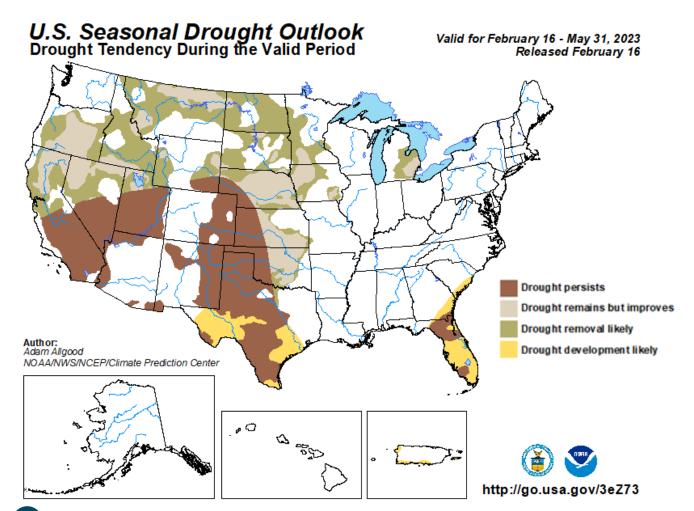


Depicts large-scale trends based on subjectively derived probabilities guided by short and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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



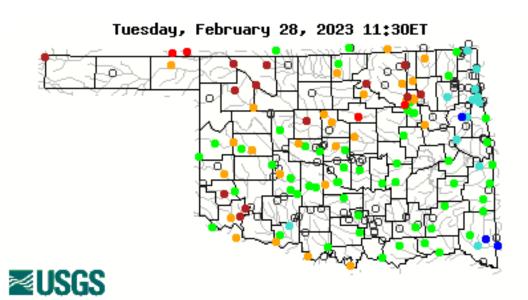


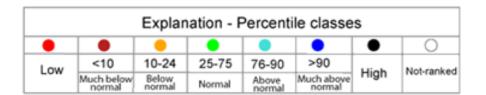
Depicts large-scale trends based on subjectively derived probabilities guided by short and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to 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 (DO or none).

USGS STREAMFLOW DATA

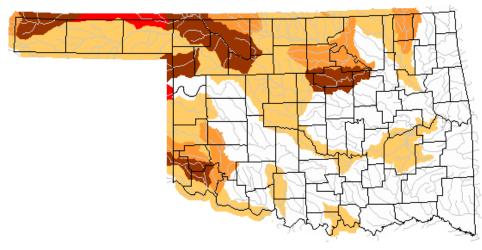






Below normal 28-day average streamflow



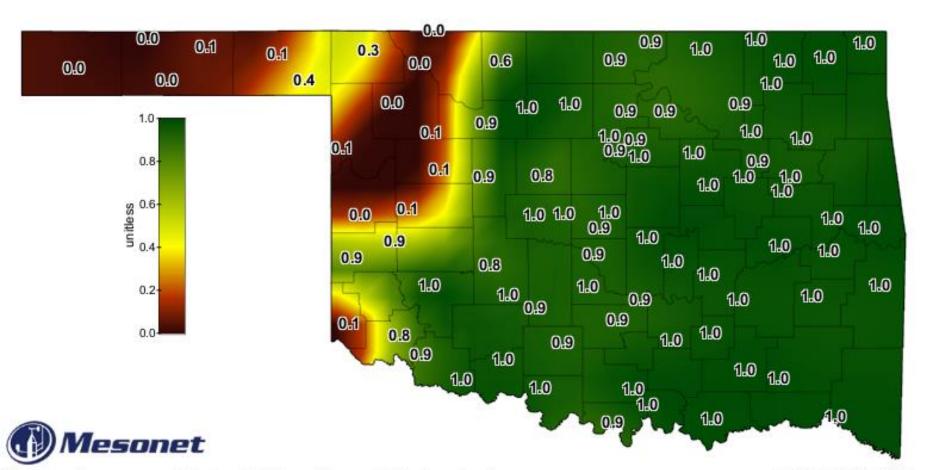




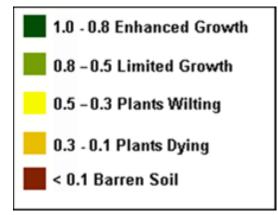
	Explanation	- Percentile cla	sses	
Low	<=5	6-9	10-24	Insufficient data
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal	for a hydrolog is region

SOIL MOISTURE MAP





1-DAY AVERAGE 24-INCH FRACTIONAL WATER INDEX





1-day Average 24-inch Fractional Water Index

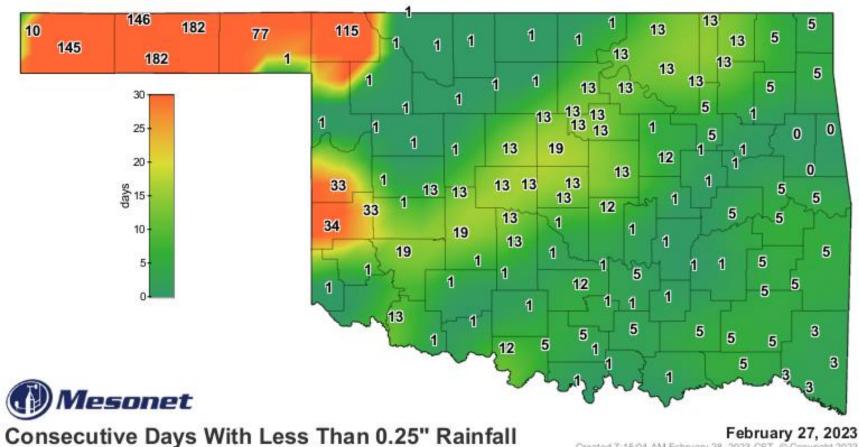
February 27, 2023

Created 6:30:14 AM February 28, 2023 CST. © Copyright 2023



CONSECUTIVE DAYS WITHOUT RAINFALL MAP





CONSECUTIVE DAYS WITH LESS **THAN 0.25**" **RAINFALL**

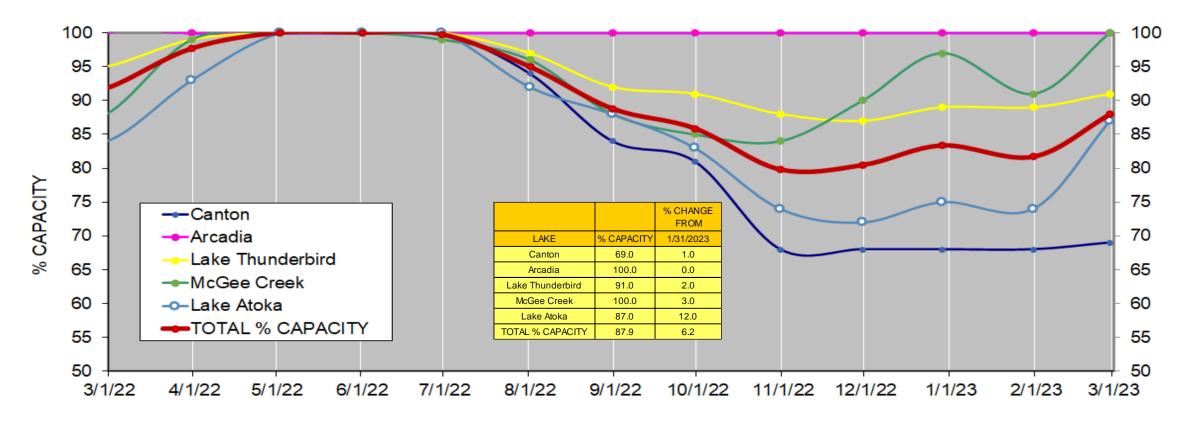


Created 7:15:04 AM February 28, 2023 CST. @ Copyright 2023



PERCENTAGE OF SURFACE WATER CONSERVATION CAPACITY IN CENTRAL OK RESERVOIRS

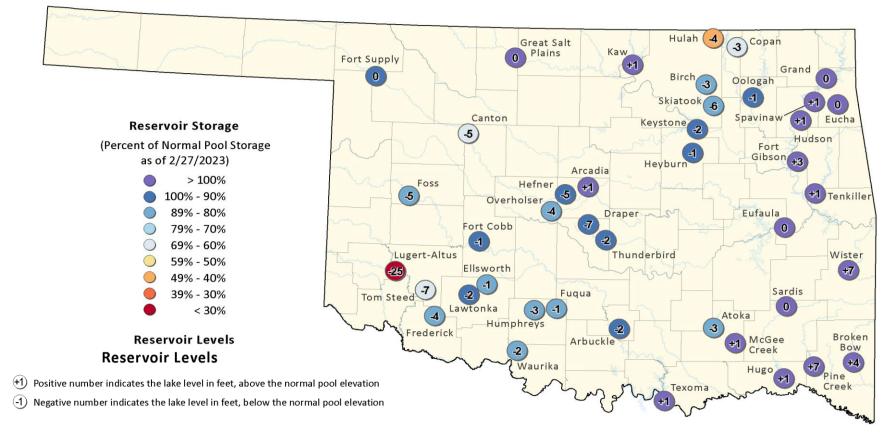




Lake Hefner and Lake Overholser are terminal storage for Canton Lake. Lake Draper is terminal storage for McGee Creek and Atoka Lakes.

OKLAHOMA RESERVOIR LEVELS AND STORAGE





OKLAHOMA RESERVOIR LEVELS AND STORAGE AS OF 2/27/2023

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 (https://www.waterdata.usgs.gov/ok/nwis/current/?type=lake&group_key=basin_cd). For more information, please visit the OWRB's website: (https://www.owrb.ok.gov).

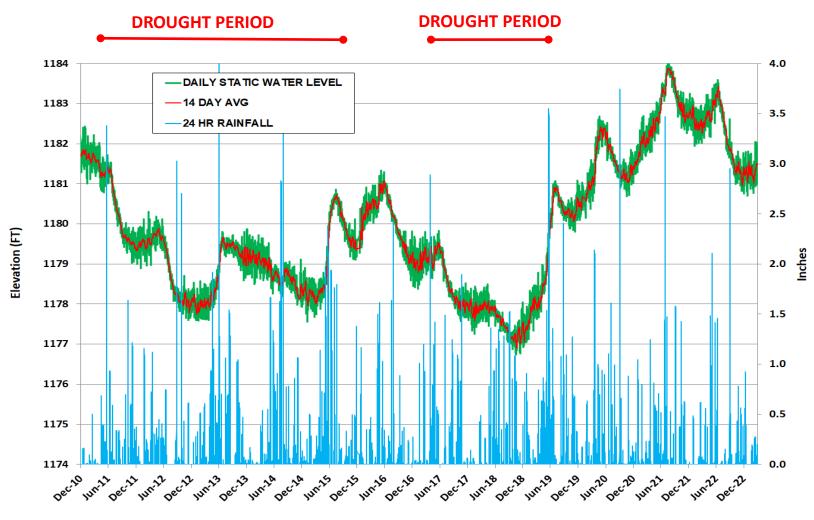






GROUNDWATER LEVELS SPENCER MESONET STATION



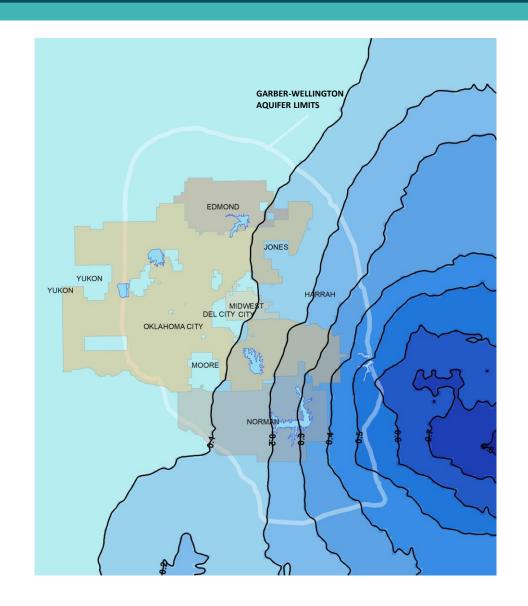




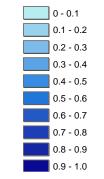
AQUIFER RECHARGE - February 2023

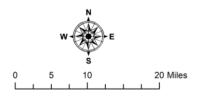


- Aquifer recharge in February 2023 was 0.19 inches.
- Normal recharge for February is 0.24 inches.
- This is 0.38 inches below the cumulative yearly average at this time.



Recharge in Inches

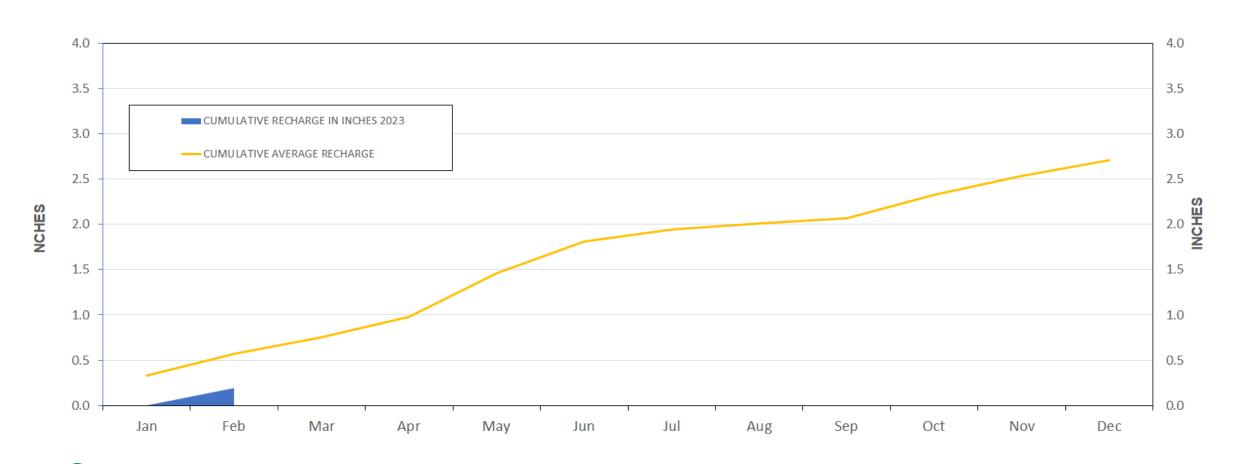




RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM



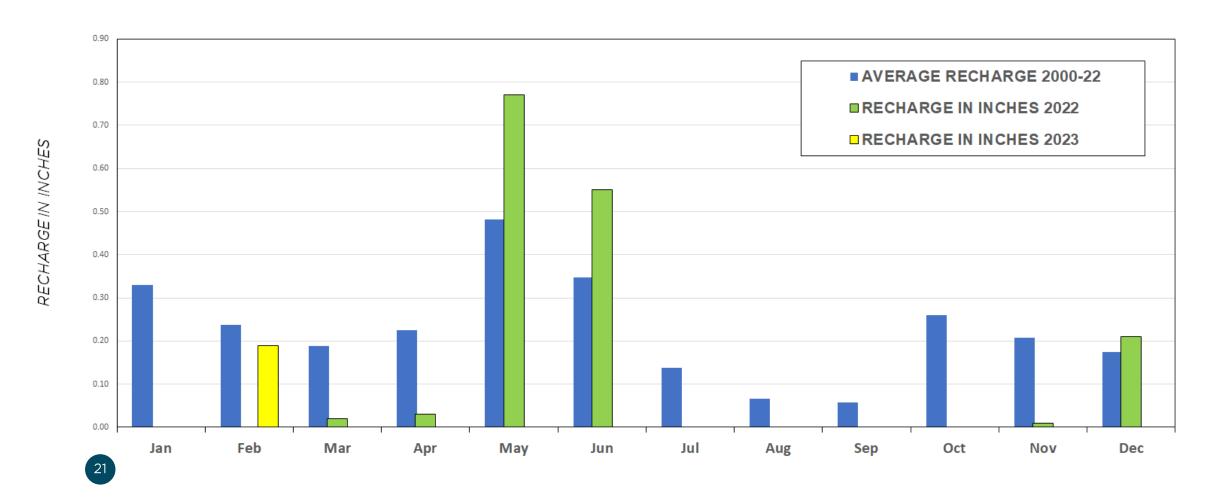
ACCUMULATED CENTRAL OKLAHOMA AQUIFER SYSTEM RECHARGE 2022



RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM CONTINUED

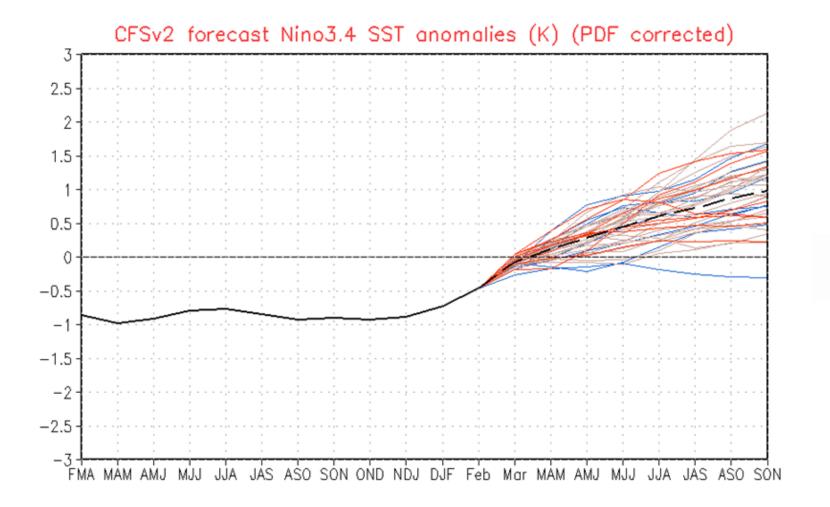


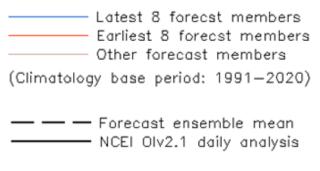
MONTHLY AQUIFER RECHARGE



ENSO CYCLE - RECENT EVOLUTION, CURRENT STATUS AND PREDICTIONS



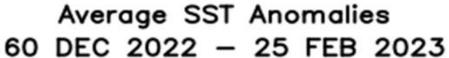


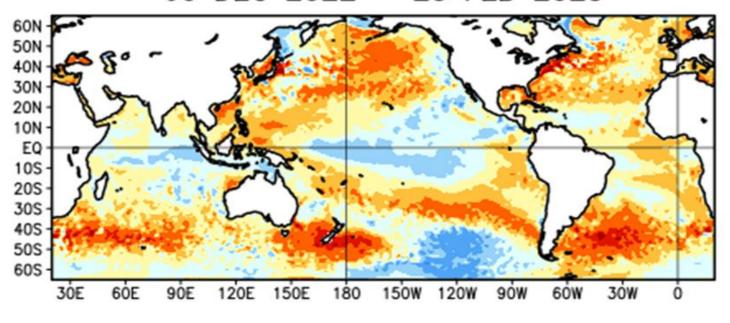




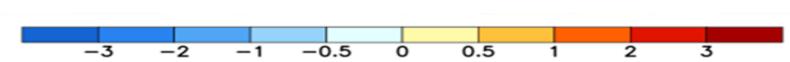
ENSO CYCLE - RECENT EVOLUTION, CURRENT STATUS AND PREDICTIONS











SUMMARY



ENSO ALERT SYSTEM STATUS: LA NIÑA ADVISORY

- La Niña is present.
- Equatorial sea surface temperatures (SSTs) are below average across most of the Pacific Ocean.
- The tropical Pacific atmosphere is consistent with La Niña.
- ENSO-neutral conditions are expected to begin within the next couple of months, and persist through the Northern Hemisphere spring and early summer.



