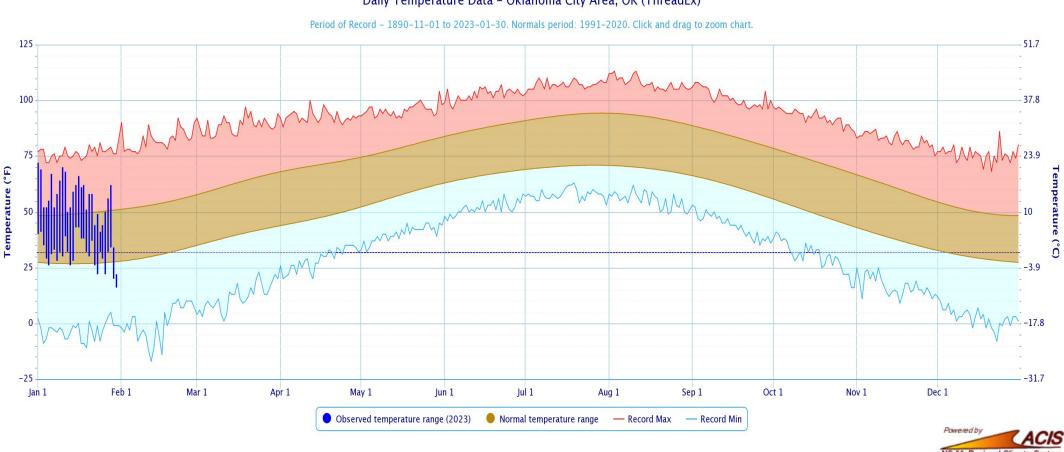


TEMPERATURE PLOT FOR OKLAHOMA CITY, OKLAHOMA FOR 2023



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



http://xmacis.rcc-acis.org/

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	30-Jan-2023

Climate Division	Total Rainfall	Departure from Normal	Pct of Normal	Rank since 1921 (88 periods)	Driest on Record	Wettest on Record
W. Central	0.66"	-0.25"	72%	51st driest	0.00" (1986)	3.92" (1949)
Central	1.10"	-0.28"	79%	48th driest	0.00" (1986)	5.71" (1949)
S. Central	1.25"	-0.70"	64%	41st driest	0.02" (2003)	6.86" (1932)
Statewide	1.17"	-0.35"	77%	49th driest	0.04" (1986)	5.27" (1949)

Water Year: 01-Oct-2021 through 30-Jan-2023

Climate Division	Total Rainfall	Departure from Normal	Pct of Normal	Rank since 1921 (88 periods)	Driest on Record	Wettest on Record
W. Central	5.79"	-0.66"	90%	44th wettest	1.10" (1950-51)	13.41" (1986-87)
Central	8.04"	-1.45"	85%	47th wettest	2.39" (1921-22)	17.17" (1984-85)
S. Central	11.03"	-0.61"	95%	41st wettest	2.10" (1950-51)	22.55" (2015-16)
Statewide	8.61"	-0.99"	90%	44th wettest	2.44" (1950-51)	15.80" (2015-16)

Winter Dec 01 through 30-Jan-2023

Climate Division	Total Rainfall	Departure from Normal	Pct of Normal	Rank since 1921 (88 periods)	Driest on Record	Wettest on Record
W. Central	1.81"	-0.32"	85%	42nd wettest	0.07" (2017-18)	5.20" (1984-85)
Central	3.20"	-0.17"	95%	37th wettest	0.49" (2010-11)	9.11" (1984-85)
S. Central	3.23"	-1.31"	71%	40th driest	0.93" (1951-52)	10.95" (1997-98)
Statewide	3.02"	-0.57"	84%	49th driest	0.99" (1955-56)	7.43" (1997-98)



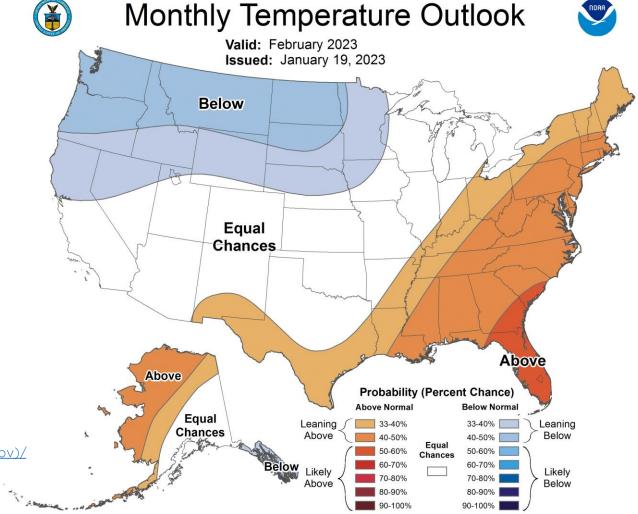
The climate divisions shown include statewide totals, central Oklahoma totals, and totals for the two divisions which have Canton Lake and Lake Atoka—major water sources for central Oklahoma.

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.



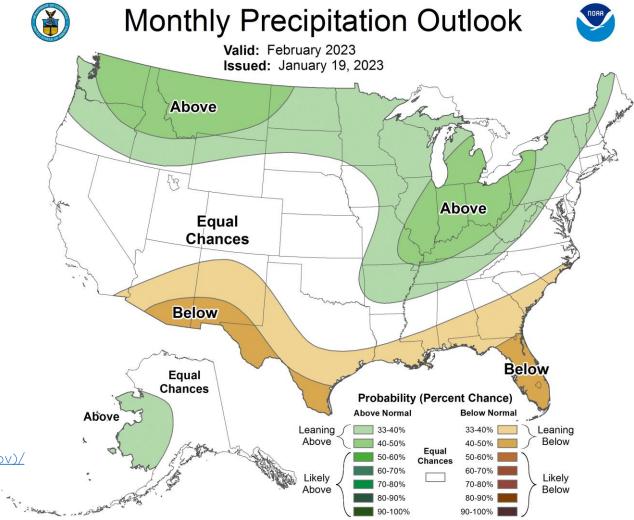
Climate Prediction Center - Updated OFFICIAL 30-Day Forecasts (noaa.gov)/

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.

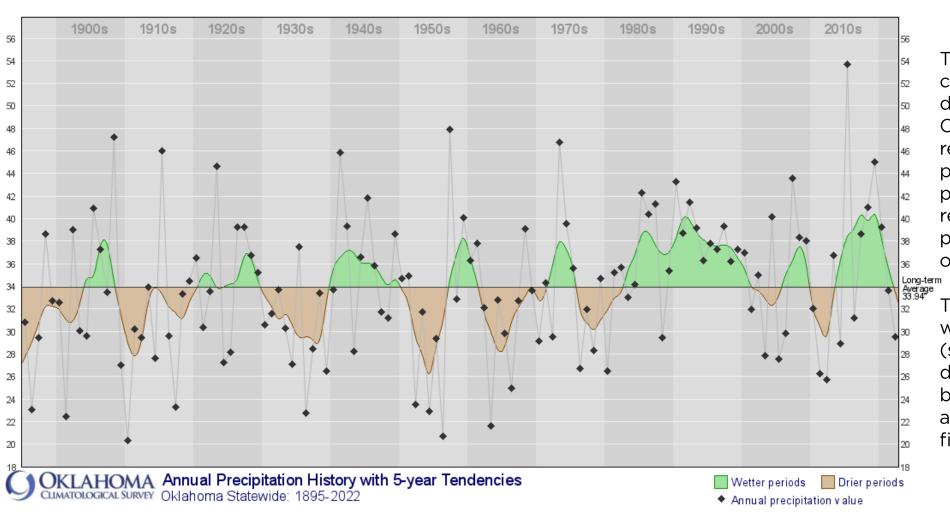
That doesn't mean that there are equal chances of each of the categories occurring – it means that currently there is no skill in identifying the most likely category. In these areas, it is best to be prepared for all possibilities.



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.

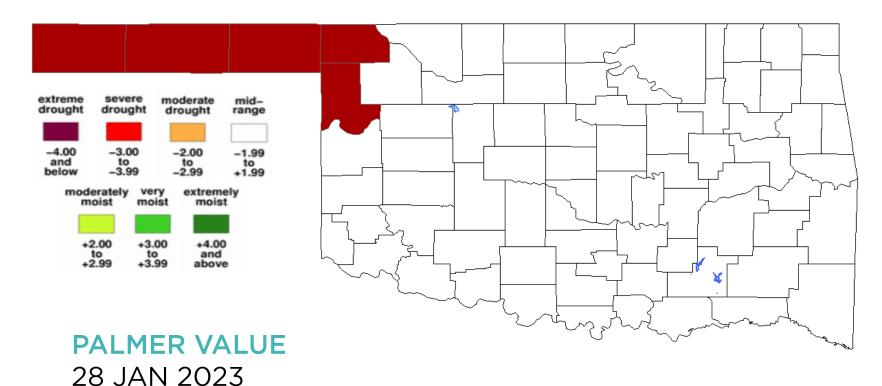
7

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







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.

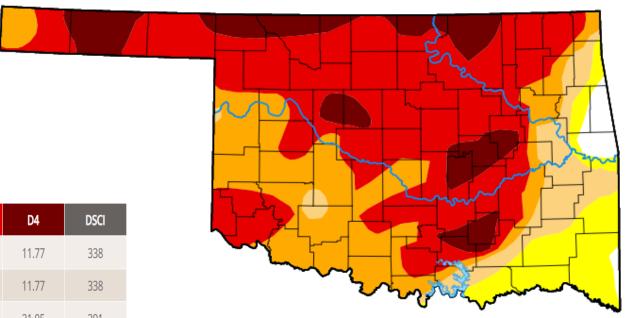
U.S. DROUGHT MONITOR - OKLAHOMA



January 24, 2023

Abnormal dryness or drought are currently affecting approximately 3,522,506 people in Oklahoma.

Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2023-01-24	2.04	97.96	89.12	81.01	57.90	11.77	338
Last Week	2023-01-17	2.04	97.96	89.12	81.01	57.90	11.77	338
3 Months Ago	2022-10-25	0.00	100.00	100.00	99.82	70.29	21.05	391
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	2022-01-25	3.91	96.09	88.23	77.66	49.17	2.90	314



Intensity:

D0 - Abnormally Dry
D1 - Moderate Drought
D2 - Severe Drought

D3 - Extreme Drought
D4 - Exceptional Drought



U.S. DROUGHT MONITOR NATIONWIDE MAP



Map released: January 26, 2023

Data valid: January 24, 2023

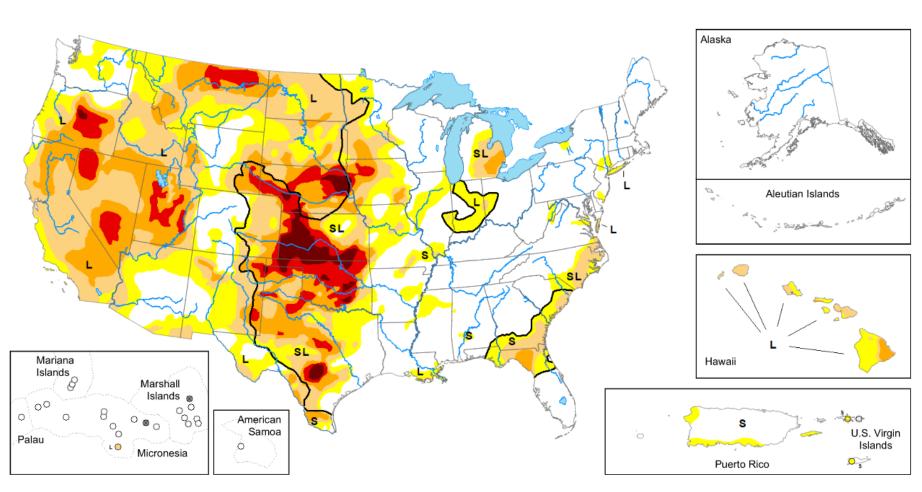
Intensity and Impacts



United States and Puerto Rico Author(s):

Deborah Bathke, National Drought Mitigation Center

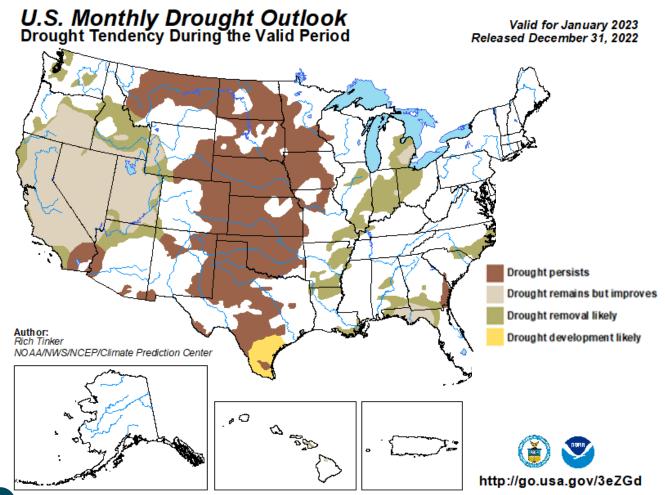
Pacific Islands and Virgin Islands Author(s): Ahira Sanchez-Lugo, NOAA/NCEI





U.S. DROUGHT MONITOR MONTHLY DROUGHT OUTLOOK MAP



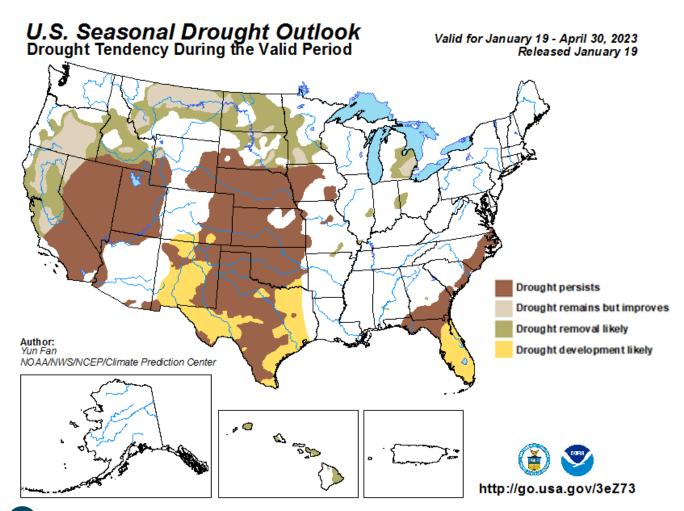


Depicts large-scale trends based on subjectively derived probabilities guided by short and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to 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 (D0 or none).

U.S. DROUGHT MONITOR SEASONAL DROUGHT OUTLOOK MAP



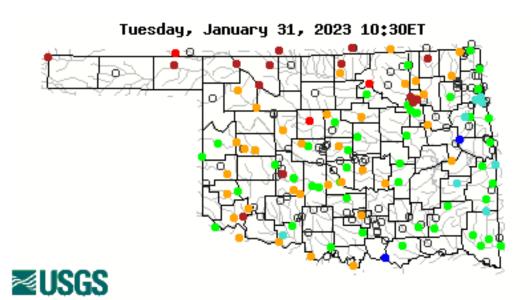


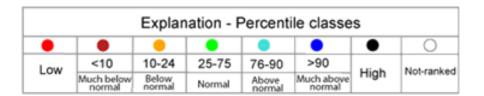
Depicts large-scale trends based on subjectively derived probabilities guided by short and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

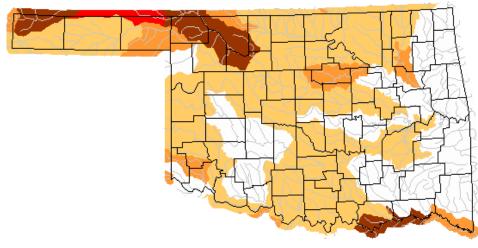






Below normal 28-day average streamflow



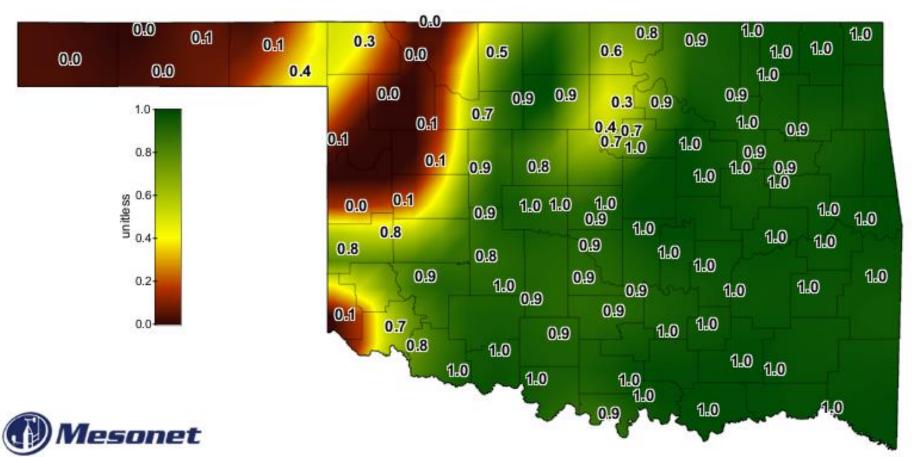




	Explanation	- Percentile cla	sses	
Low	<=5	6-9	10-24	Insufficient data
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal	for a hydrolog is region

SOIL MOISTURE MAP





1-DAY AVERAGE 24-INCH FRACTIONAL WATER INDEX





January 30, 2023

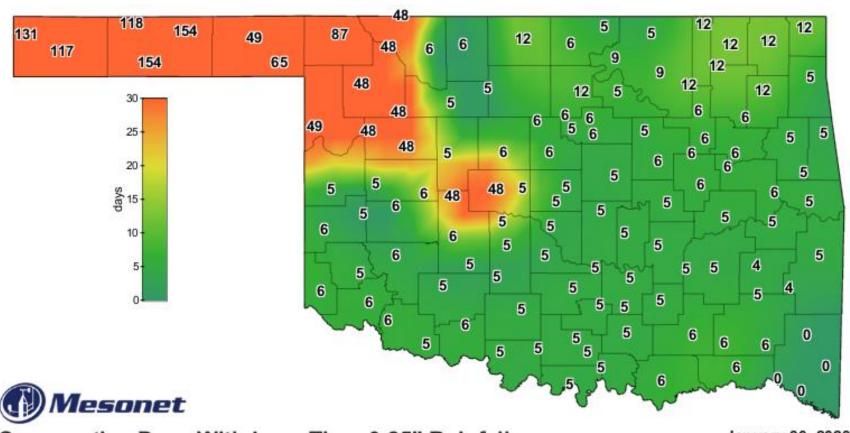
Created 6:30:14 AM January 31, 2023 CST. © Copyright 2023





CONSECUTIVE DAYS WITHOUT RAINFALL MAP





CONSECUTIVE DAYS WITH LESS THAN 0.25" RAINFALL



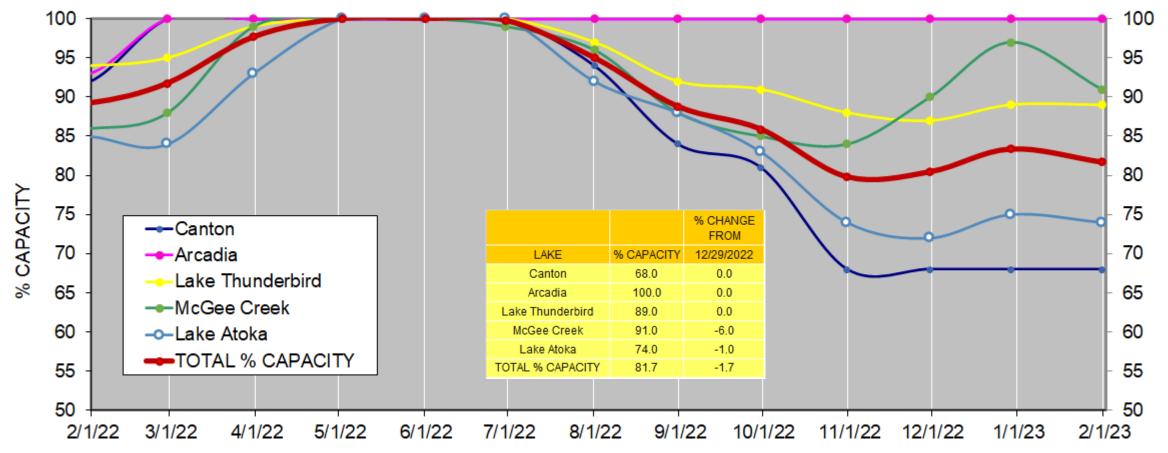
January 30, 2023 Created 7:15:03 AM January 31, 2023 CST. © Copyright 2023





PERCENTAGE OF SURFACE WATER CONSERVATION CAPACITY IN CENTRAL OK RESERVOIRS

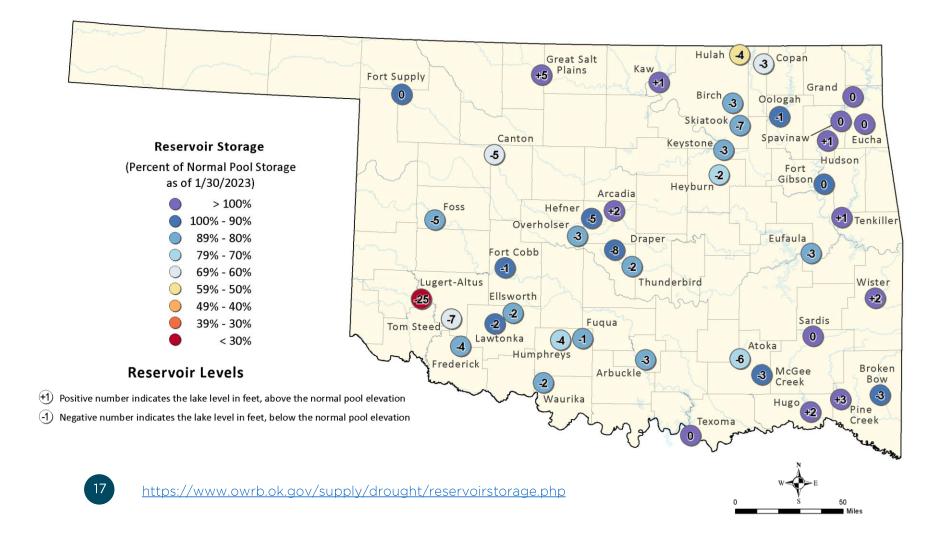




Lake Hefner and Lake Overholser are terminal storage for Canton Lake. Lake Draper is terminal storage for McGee Creek and Atoka Lakes.

OKLAHOMA RESERVOIR LEVELS AND STORAGE





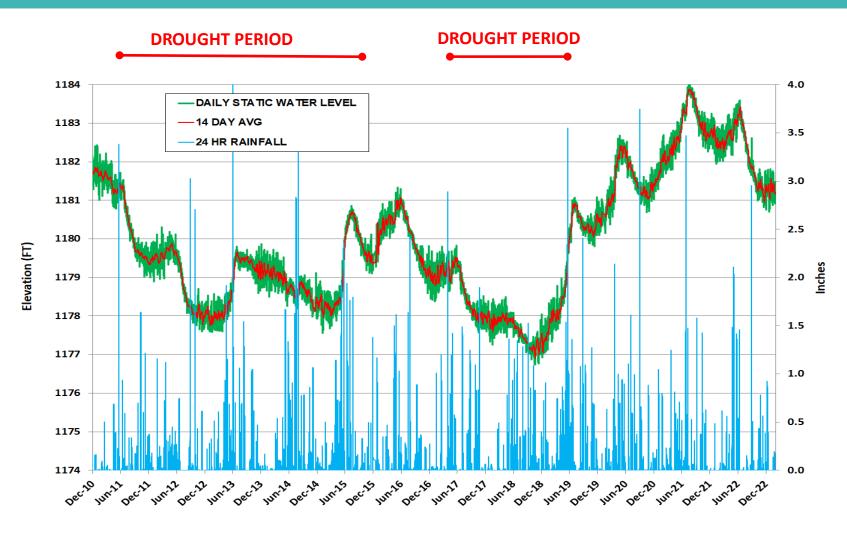
OKLAHOMA RESERVOIR LEVELS AND STORAGE AS OF 1/30/2023

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



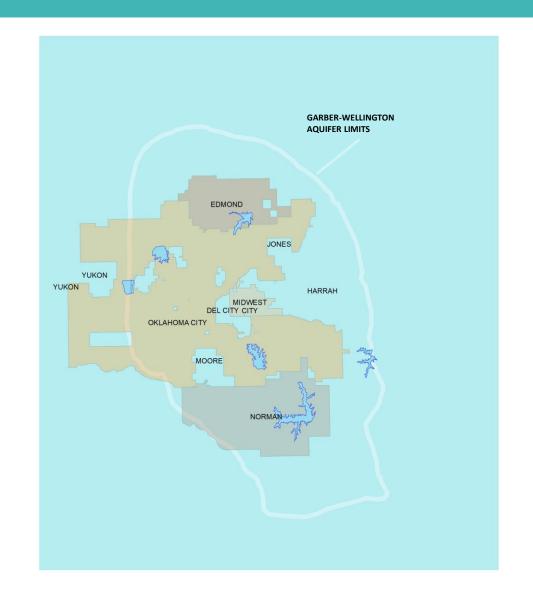




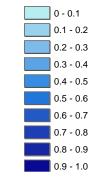
AQUIFER RECHARGE - January 2023

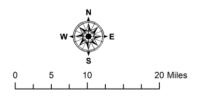


- Aquifer recharge in January 2023 was 0.00 inches.
- Normal recharge for January is 0.33 inches.
- This is two
 Januarys in a row
 where there has
 been no
 recharge.



Recharge in Inches

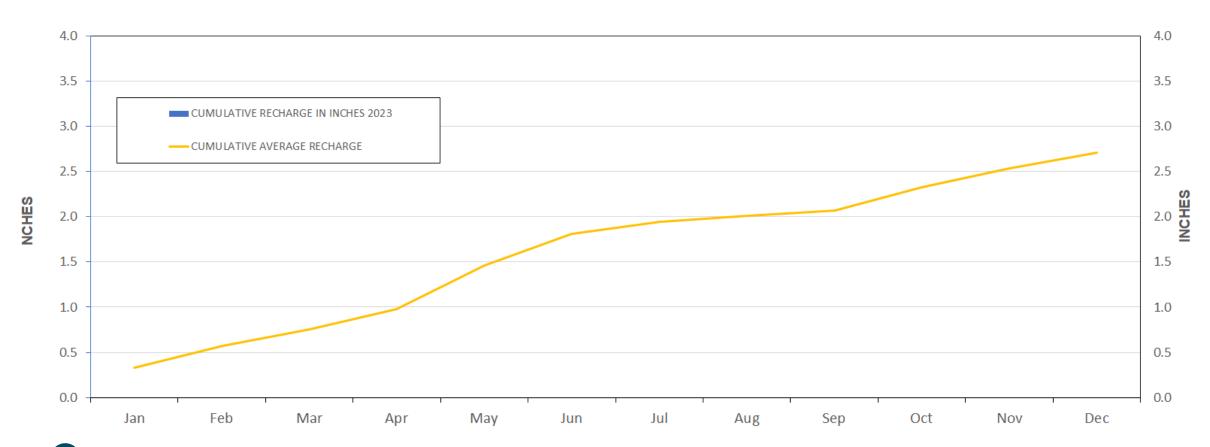




RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM



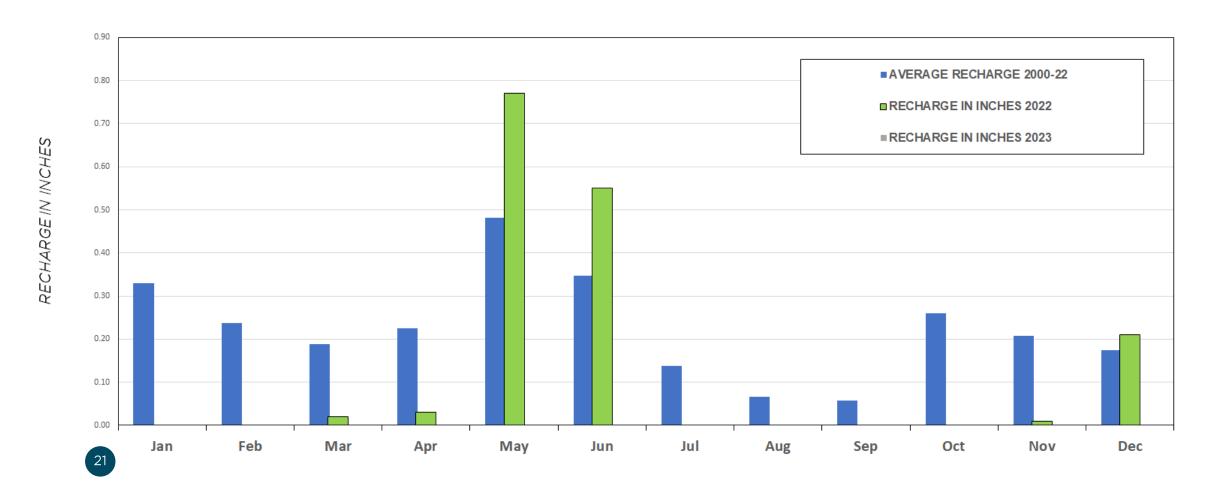
ACCUMULATED CENTRAL OKLAHOMA AQUIFER SYSTEM RECHARGE 2022



RECHARGE CHARTS CENTRAL OKLAHOMA AQUIFER SYSTEM CONTINUED

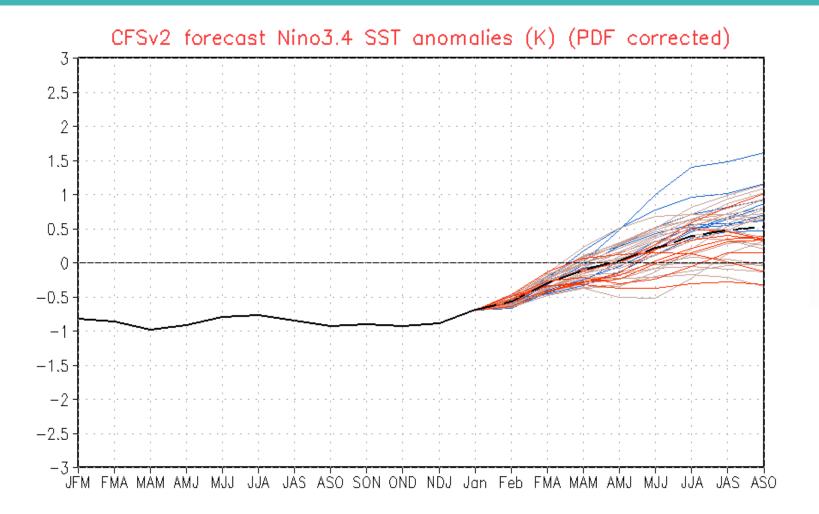


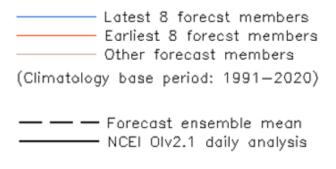
MONTHLY AQUIFER RECHARGE



ENSO CYCLE - RECENT EVOLUTION, CURRENT STATUS AND PREDICTIONS



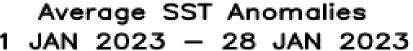


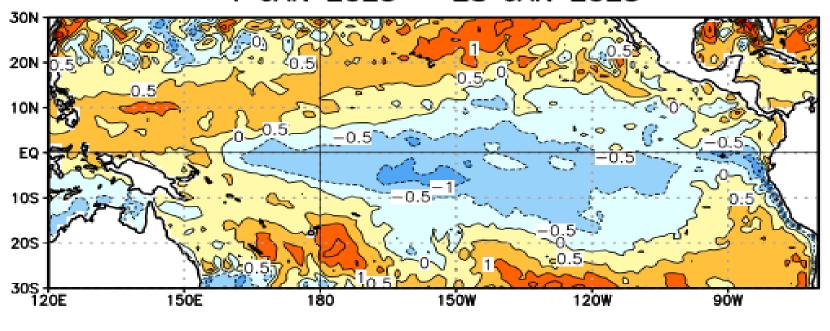




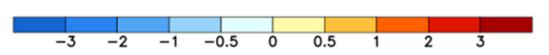
ENSO CYCLE - RECENT EVOLUTION, CURRENT STATUS AND PREDICTIONS











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.
- A transition from La Niña to ENSO-neutral is anticipated during the February-April 2023 season. By Northern Hemisphere spring (March-May 2023), the chance for ENSO-neutral is 82%.



