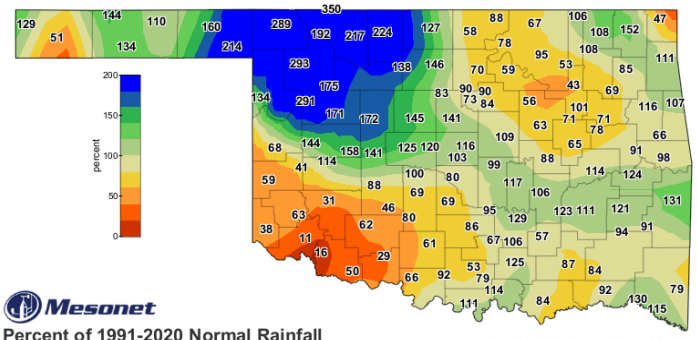
Oklahoma Water Resources Bulletin

Summary of Current Conditions

September 12, 2025

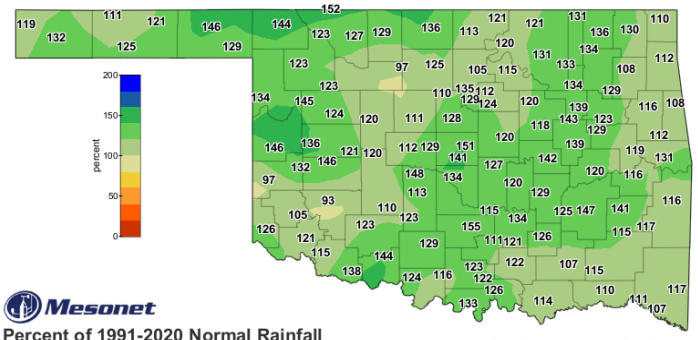
Precipitation

Last 30 Days: August 13, 2025, through September 11, 2025					Last 365 Days: September 12, 2024, through September 11, 2025				
Climate Division	**Total Rainfall (inches)**	**Departure From Normal (inches)**	**Percent of Normal**	**Rank Since 1921**	**Climate Division**	**Total Rainfall (inches)**	**Departure From Normal (inches)**	**Percent of Normal**	**Rank Since 1921**
PANHANDLE	3.53"	+1.17"	150%	17th wettest	PANHANDLE	25.41"	+4.83"	123%	10th wettest
N. CENTRAL	5.03"	+2.08"	171%	12th wettest	N. CENTRAL	37.85"	+6.43"	120%	11th wettest
NORTHEAST	3.13"	-0.41"	88%	53rd wettest	NORTHEAST	52.95"	+10.28"	124%	9th wettest
W. CENTRAL	3.94"	+1.06"	137%	22nd wettest	W. CENTRAL	35.84"	+7.44"	126%	10th wettest
CENTRAL	3.20"	-0.09"	97%	47th wettest	CENTRAL	46.71"	+9.08"	124%	9th wettest
E. CENTRAL	3.65"	+0.18"	105%	43rdwettest	E. CENTRAL	57.97"	+11.83"	126%	8th wettest
SOUTHWEST	1.55"	-1.38"	53%	30th driest	SOUTHWEST	35.17"	+4.90"	116%	16th wettest
S. CENTRAL	2.83"	-0.35"	89%	53rd wettest	S. CENTRAL	49.61"	+8.90"	122%	13th wettest
SOUTHEAST	3.71"	+0.54"	117%	42nd wettest	SOUTHEAST	58.73"	+8.14"	116%	20th wettest
STATEWIDE	**3.39"**	**+0.30"**	**110%**	**42nd wettest**	**STATEWIDE**	**44.51"**	**+8.04"**	**122%**	**9th wettest**



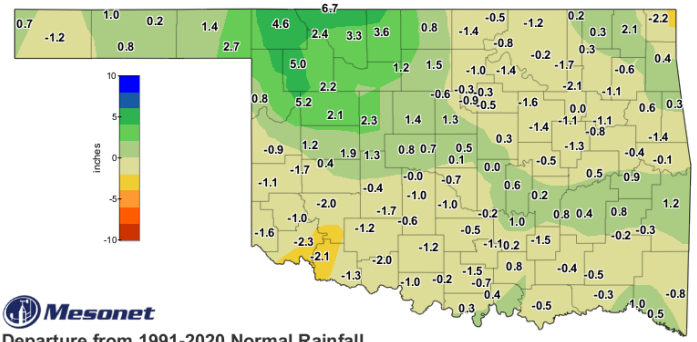
Percent of 1991-2020 Normal Rainfall
Last 30 Days

Aug 13, 2025 through Sep 11, 2025



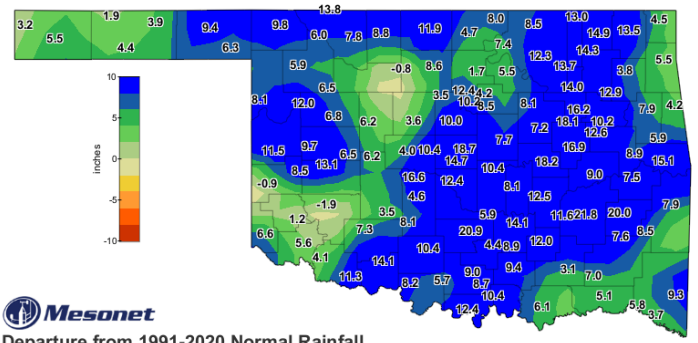
Percent of 1991-2020 Normal Rainfall
Last 365 Days

Sep 12, 2024 through Sep 11, 2025



Departure from 1991-2020 Normal Rainfall
Last 30 Days

Aug 13, 2025 through Sep 11, 2025



Departure from 1991-2020 Normal Rainfall
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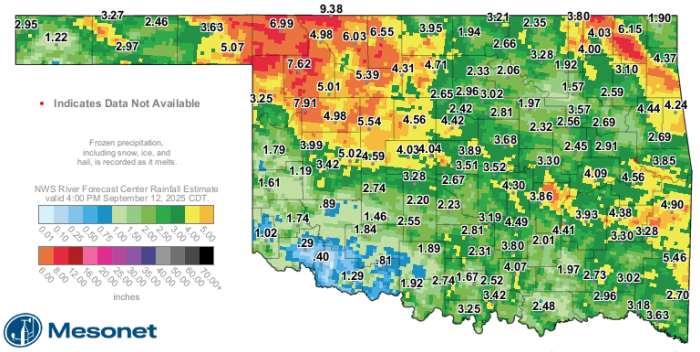
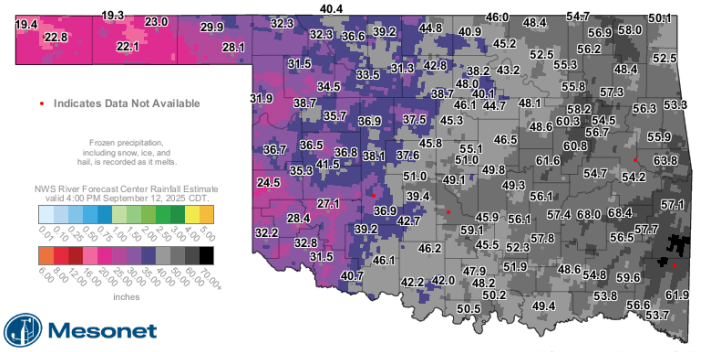
Sep 12, 2024 through Sep 11, 2025



30-Day Rainfall Accumulation (inches)

5:05 PM September 12, 2025 CDT

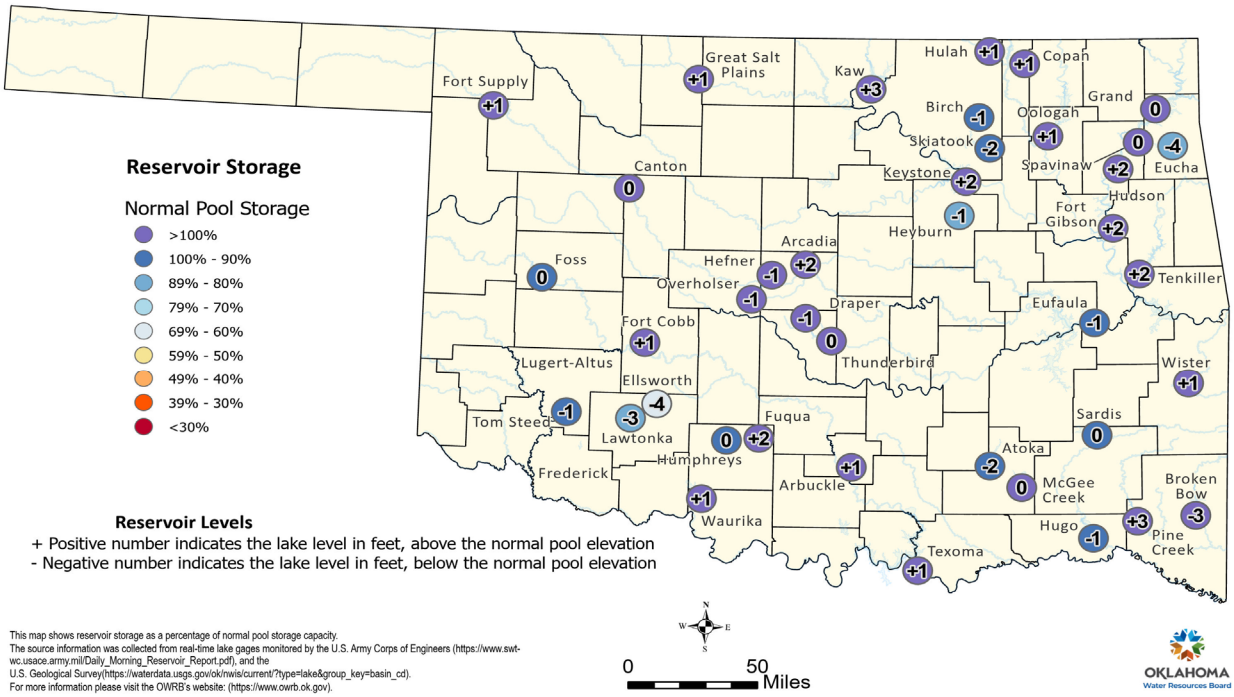


365-Day Rainfall Accumulation (inches)

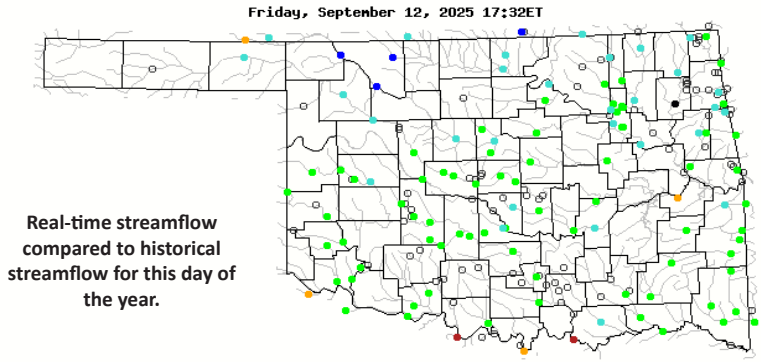
5:05 PM September 12, 2025 CDT

Reservoir Levels

Oklahoma Reservoir Levels and Storage as of 9/2/2025

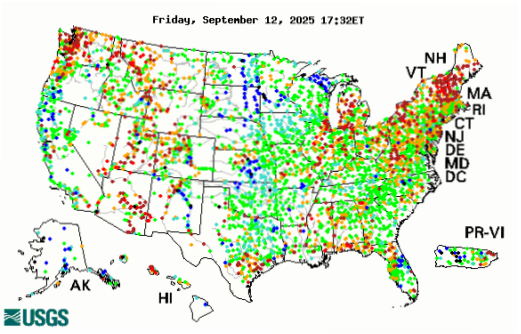


Streamflow



Real-time streamflow compared to historical streamflow for this day of the year.

USGS

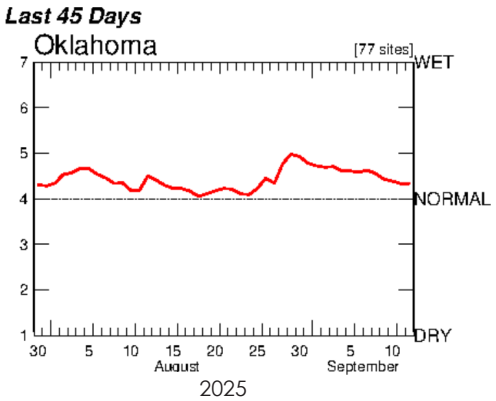


Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	Not ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Visit waterwatch.usgs.gov for additional real-time streamflow information.

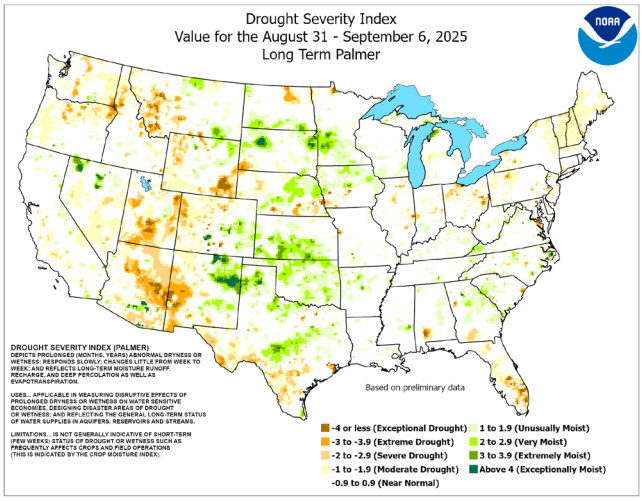
Visit the OWRB's Water Data and Analysis Portal for continuous and discrete water quality and quantity data for Oklahoma lakes, streams, and aquifers across the state.

Average Streamflow Index



Drought Conditions

Palmer Drought Severity Index (PDSI)



The PDSI is a standardized index based on a simplified soil water balance and estimates relative soil moisture conditions.

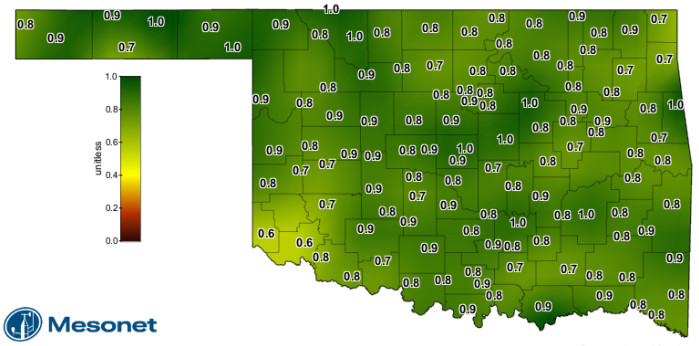
Standardized Precipitation Index (SPI)
Through August 2025

Climate Division	3-month	12-month	24-month
PANHANDLE	Very Moist	Moderately Moist	Moderately Moist
NORTH CENTRAL	Extremely Moist	Very Moist	Moderately Moist
NORTHEAST	Extremely Moist	Very Moist	Moderately Moist
WEST CENTRAL	Moderately Moist	Moderately Moist	Abnormally Moist
CENTRAL	Moderately Moist	Extremely Moist	Very Moist
EAST CENTRAL	Moderately Moist	Very Moist	Very Moist
SOUTHWEST	Near Normal	Moderately Moist	Abnormally Moist
SOUTH CENTRAL	Abnormally Moist	Very Moist	Very Moist
SOUTHEAST	Moderately Moist	Moderately Moist	Moderately Moist

exceptionally dry	extremely dry	severely dry	moderately dry	abnormally dry	near normal	abnormally moist	moderately moist	very moist	extremely moist	exceptionally moist
-2.00 and below	-1.99 to -1.60	-1.59 to -1.30	-1.29 to -0.80	-0.79 to -0.51	-0.50 to +0.50	+0.51 to +0.79	+0.80 to +1.29	+1.30 to +1.59	+1.60 to +1.99	+2.0 and above

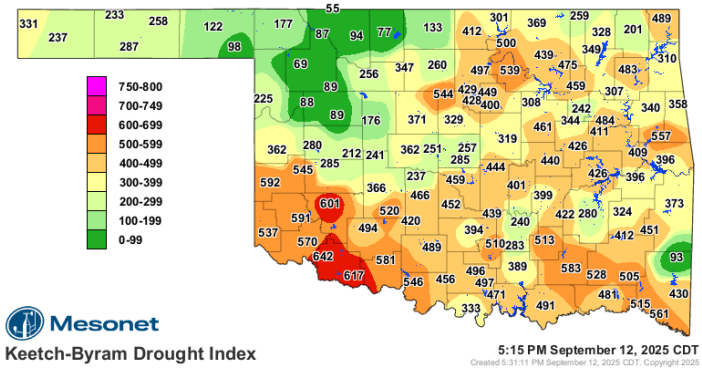
The SPI provides a comparison of precipitation over several specified time periods with totals for all years in the historical record. Through August 2025, all regions were Near Normal or wetter for all time periods shown.

Soil Moisture



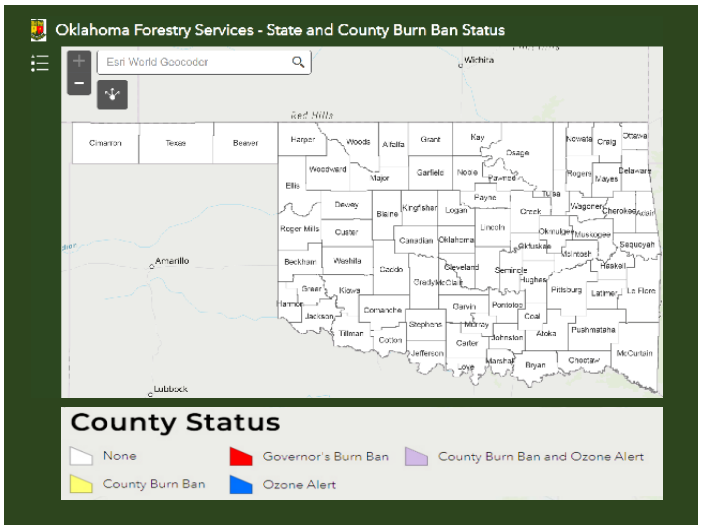
The 1-day Average 4-inch Bare Soil Fractional Water Index map displays the 24-hour-averaged soil moisture at 4 inches under bare soil for the previous day. Fractional water index ranges from 0 (as dry as the sensor can read) to 1.0 (as wet as the sensor can read). Soil moisture cannot be measured if the soils are frozen, which may cause maps to have large areas of missing data during the winter months.

Keetch-Byram Drought Index

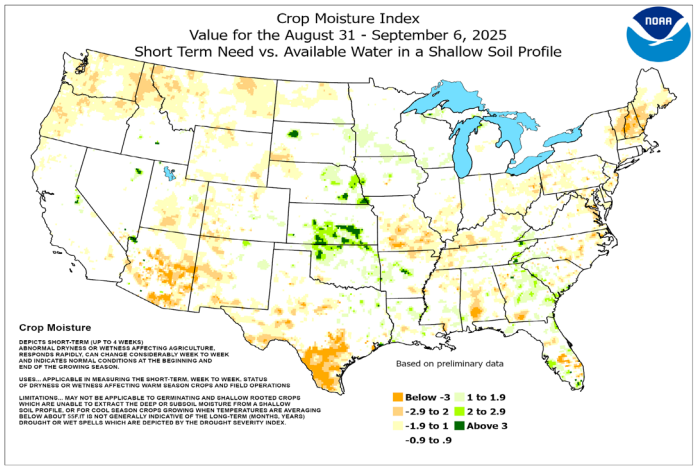


The Keetch-Byram Drought Index measures the state of near-surface soil moisture (within the uppermost eight inches of soil) as well as the amount of fuel available for fires. KBDI values > 600 are often associated with severe drought and increased wildfire occurrence.

State & County Burn Ban Status



Crop Moisture Index



Oklahoma Drought Monitor

~33,400
Oklahoma residents in areas of drought, according to the Drought Monitor
↑ 33.3% since last week

23rd
wettest August on record (since 1895)
4.13 in. total precipitation
↑ 1.28 in. from normal

8th
wettest January—August on record (since 1895)
32.28 in. total precipitation
↑ 8.79 in. from normal

Statistics valid as of 09/09/25

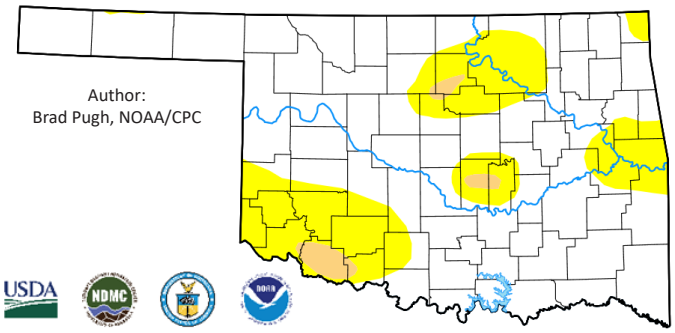
D0 - Abnormally Dry
- Crops are stressed (wheat, canola, alfalfa, pecans); winter wheat germination is delayed
- Stock pond levels decline

D1 - Moderate Drought
- Summer crop and forage yields are reduced
- Wildfire risk increases
- Lake recreation activities are affected; deer reproduction is poor

D2 - Severe Drought
- Dryland crops are severely reduced; pasture growth is stunted
- Cattle are stressed
- Burn bans begin

D3 - Extreme Drought
- Grasses are dormant, and hay is nonexistent; planting is delayed; fields are spotty; emergency CRP grazing is authorized
- Cattle have little water and feed
- Wildfires are increasing in number and severity; air quality is poor, with dust storms and smoke

D4 - Exceptional Drought
- Ground is cracking; farmers are bailing failed crops or abandoning fields; pastures are bare; land is abandoned
- Cost of hay and water is high and supplies are scarce; producers are liquidating herds
- Burn restrictions increase; fire season is long



Author:
Brad Pugh, NOAA/CPC

September 9, 2025
(Released September 11, 2025)
Valid 8 a.m. EDT

Intensity:
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

droughtmonitor.unl.edu

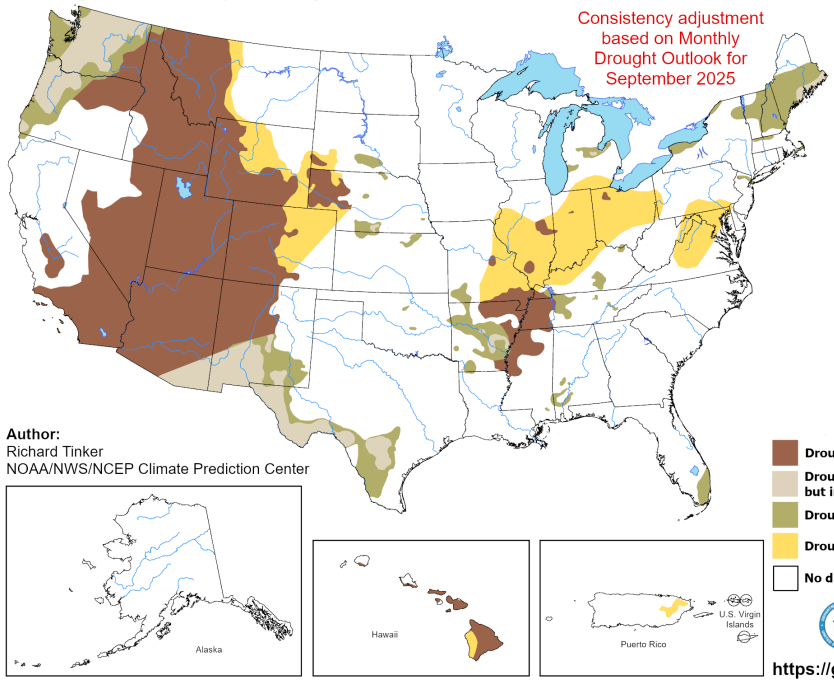
Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2025-09-09	75.35	24.65	1.83	0.00	0.00	0.00	26
Last Week to Current	2025-09-02	81.67	18.33	0.72	0.00	0.00	0.00	19
3 Months Ago to Current	2025-06-10	100.00	0.00	0.00	0.00	0.00	0.00	0
Start of Calendar Year to Current	2024-12-31	70.28	29.72	5.52	0.33	0.00	0.00	36
Start of Water Year to Current	2024-10-01	22.82	77.18	61.31	37.39	11.50	0.00	187
One Year Ago to Current	2024-09-10	21.42	78.58	60.63	28.36	5.62	0.00	173

Drought Probability

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for September 1 - November 30, 2025
Released August 31, 2025



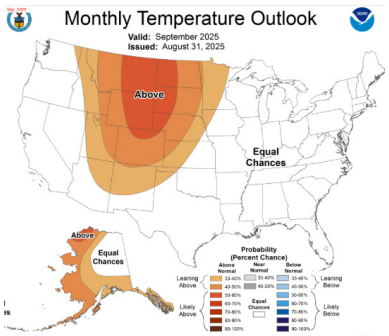
Author:
Richard Tinker
NOAA/NWS/NCEP Climate Prediction Center

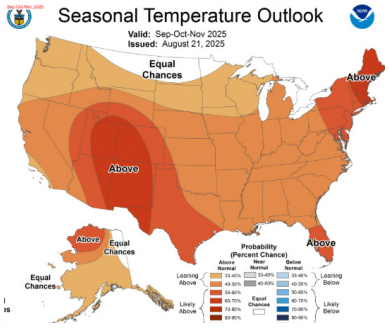
- Drought persists
- Drought remains, but improves
- Drought removal likely
- Drought development likely
- No drought

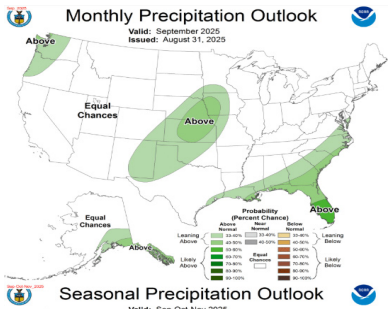
https://go.usa.gov/3eZ73

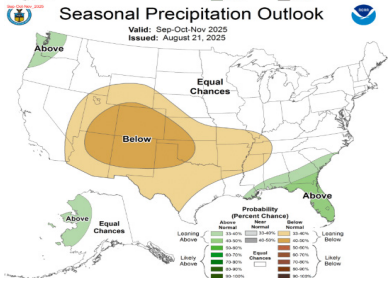
The map depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4). Tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. Green areas imply drought removal by the end of the period.

Monthly/Seasonal Outlook









NOAA/ National Weather Service
National Centers for Environmental Prediction
Climate Prediction Center