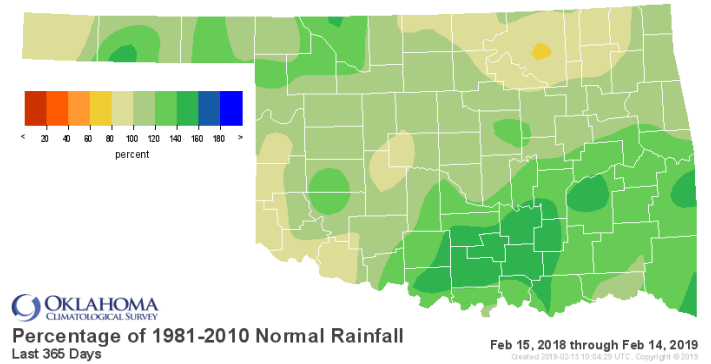
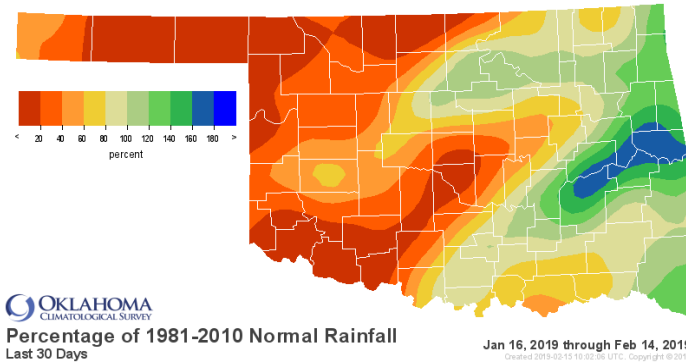


February 15, 2019

## PRECIPITATION

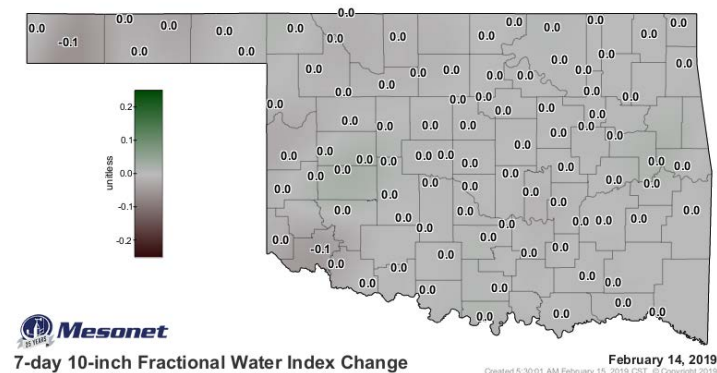
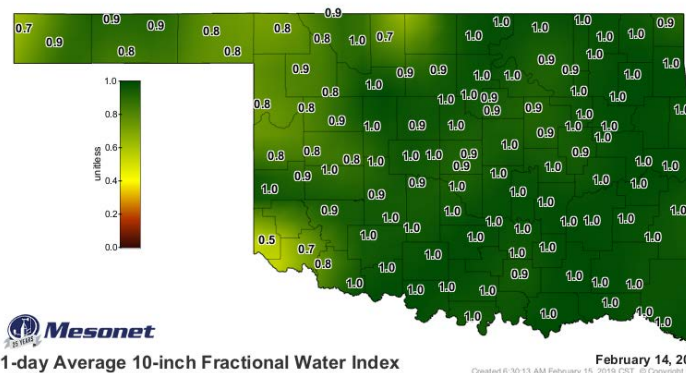
### Statewide Precipitation

Climate Division	Last 30 Days January 16, 2019 – February 14, 2019				Last 365 Days February 15, 2018 – February 14, 2019			
	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	Rank Since 1921	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	RANK SINCE 1921
PANHANDLE	0.10"	-0.54"	15%	16th driest	23.02"	+2.44"	112%	25th wettest
NORTH CENTRAL	0.41"	-0.68"	37%	26th driest	34.81"	+3.39"	111%	21st wettest
NORTHEAST	1.79"	-0.04"	98%	48th wettest	42.34"	-0.33"	99%	40th wettest
WEST CENTRAL	0.42"	-0.62"	40%	33rd driest	31.83"	+3.43"	112%	15th wettest
CENTRAL	0.90"	-0.75"	55%	36th driest	43.05"	+5.42"	114%	13th wettest
EAST CENTRAL	3.24"	+0.83"	135%	23rd wettest	56.55"	+10.41"	123%	6th wettest
SOUTHWEST	0.33"	-0.97"	25%	22nd driest	31.91"	+1.64"	105%	26th wettest
SOUTH CENTRAL	1.66"	-0.47"	78%	43rd driest	57.15"	+16.44"	140%	4th wettest
SOUTHEAST	3.32"	+0.09"	103%	37th wettest	65.95"	+15.36"	130%	6th wettest
STATEWIDE	1.31"	-0.38"	78%	44th driest	42.82"	+6.35"	117%	10th wettest



## SOIL MOISTURE

### Fractional Water Index February 14, 2019



The Fractional Water Index ranges from very dry soil having a value of 0 to soil at field capacity illustrated by a value of 1. [1.0-0.8 = Enhanced Growth; 0.8-0.5 = Limited Growth; 0.5-0.3 = Plants Wilting; 0.3-0.1 = Plants Dying; <0.1 = Barren Soil.]

# DROUGHT INDICES

Palmer Drought Severity Index (PDSI)					Standardized Precipitation Index (SPI) Through January 2019		
Climate Division	Status 2/09/19	Value 1/05	2/09	Change in Value	3-month	12-month	24-month
NORTHWEST	Unusual Moist Spell	3.15	2.64	0.51 (-)	Near Normal	Very Moist	Moderately Moist
NORTH CENTRAL	Very Moist Spell	3.41	3.26	0.15 (-)	Near Normal	Moderately Moist	Moderately Moist
NORTHEAST	Unusual Moist Spell	1.52	2.00	0.48 (+)	Moderately Moist	Near Normal	Abnormally Moist
WEST CENTRAL	Very Moist Spell	3.49	2.95	0.54 (-)	Near Normal	Moderately Moist	Moderately Moist
CENTRAL	Very Moist Spell	3.53	3.19	0.34 (-)	Moderately Moist	Moderately Moist	Moderately Moist
EAST CENTRAL	Very Moist Spell	2.84	2.96	0.12 (+)	Moderately Moist	Moderately Moist	Moderately Moist
SOUTHWEST	Very Moist Spell	3.94	3.23	0.71 (-)	Abnormally Moist	Moderately Moist	Moderately Moist
SOUTH CENTRAL	Extremely Moist	5.06	4.61	0.45 (-)	Moderately Moist	Extremely Moist	Moderately Moist
SOUTHEAST	Very Moist Spell	4.13	3.42	0.71 (-)	Moderately Moist	Very Moist	Moderately Moist

extreme drought -4.0 or less	severe drought -3.0 to -3.9	moderate drought -2.0 to -2.9	near normal -1.9 to +1.9	unusual moist spell +2.0 to +2.9	very moist spell +3.0 to +3.9	extremely moist +4.0 and above				
exceptionally dry -2.00 and below	extremely dry -1.99 to -1.60	severely dry -1.59 to -1.30	moderately dry -1.29 to -0.80	abnormally dry -0.79 to -0.51	near normal -0.50 to +0.50	abnormally moist +0.51 to +0.79	moderately moist +0.80 to +1.29	very moist +1.30 to +1.59	extremely moist +1.60 to +1.99	exceptionally moist +2.0 and above

*The PDSI is based upon precipitation, temperature, and soil moisture, and is considered most effective for unirrigated cropland, spanning from -10 (dry) to +10 (wet). According to the latest PDSI, as of February 9, all climate regions in the state were experiencing an unusual moist spell or wetter.*

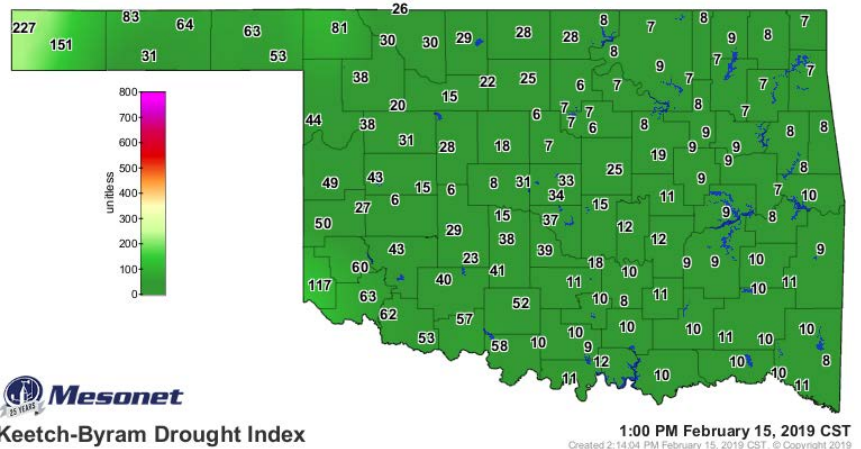
*The SPI provides a comparison of precipitation over several specified periods with totals from the same periods for all years included in the historical record. For all three time periods shown, all climate regions were near normal or wetter.*

## Keetch-Byram Drought Fire Index

February 15, 1:00 p.m., zero stations are above 600.

Zero stations were above 600 on January 14, 2019.

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 of 600 and above are often associated with more severe drought and increased wildfire occurrence.



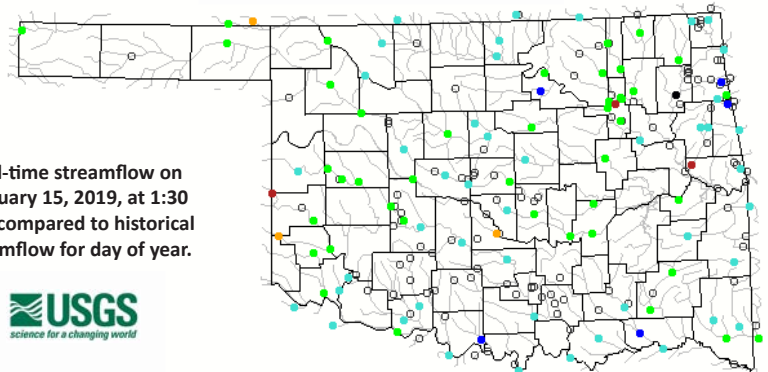
## STREAMFLOW CONDITIONS

February 15, 2019

Explanation - Percentile classes							
<span style="color: red;">●</span>	<span style="color: orange;">●</span>	<span style="color: green;">●</span>	<span style="color: cyan;">●</span>	<span style="color: blue;">●</span>	<span style="color: black;">●</span>	<span style="color: grey;">○</span>	
<b>Low</b>	<10 <small>Much below normal</small>	10-24 <small>Below normal</small>	25-75 <small>Normal</small>	76-90 <small>Above normal</small>	>90 <small>Much above normal</small>	<b>High</b>	Not ranked

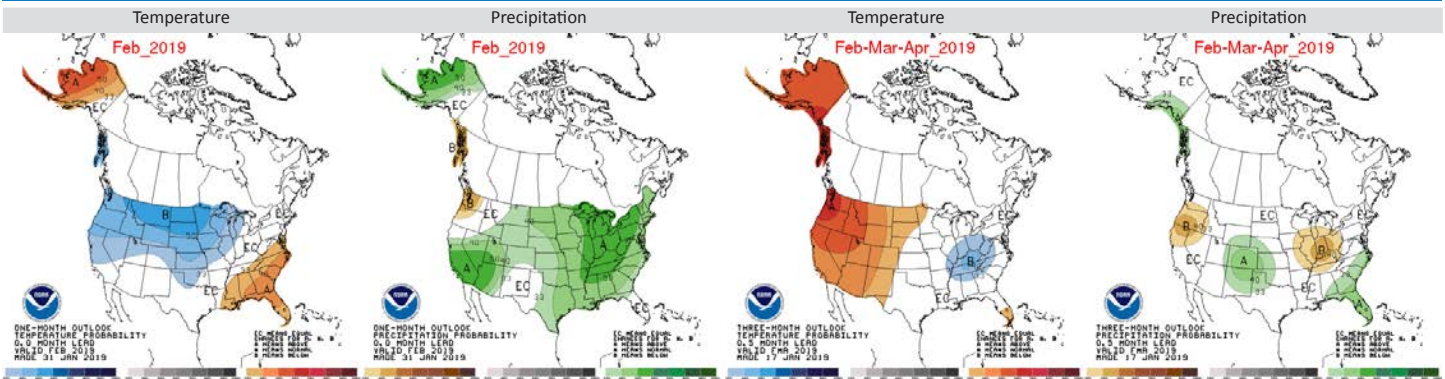
Visit [waterwatch.usgs.gov](http://waterwatch.usgs.gov) for real-time streamflow information.

Real-time streamflow on February 15, 2019, at 1:30 p.m. compared to historical streamflow for day of year.



# WEATHER/DROUGHT FORECAST

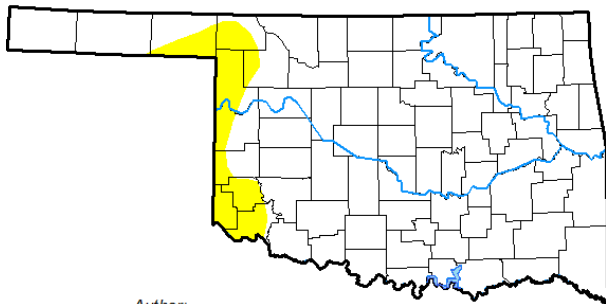
## Seasonal Outlook



The contours on the maps show the total probability of three categories—above, indicated by the letter “A”; and below, indicated by the letter “B”. “EC” indicates “Equal Chances” for A or B.

## Drought Summary & Outlook

### U.S. Drought Monitor Oklahoma



Author:  
Richard Tinker  
CPC/NOAA/NWS/NCEP



<http://droughtmonitor.unl.edu/>

**February 12, 2019**  
(Released Thursday, Feb. 14, 2019)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	92.41	7.59	0.00	0.00	0.00	0.00
Last Week 02-05-2019	96.94	3.06	0.00	0.00	0.00	0.00
3 Months Ago 11-13-2018	92.22	7.78	2.12	0.00	0.00	0.00
Start of Calendar Year 01-01-2019	94.85	5.15	0.00	0.00	0.00	0.00
Start of Water Year 09-25-2018	72.93	27.07	9.11	4.16	0.00	0.00
One Year Ago 02-13-2018	0.00	100.00	99.92	88.91	37.80	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

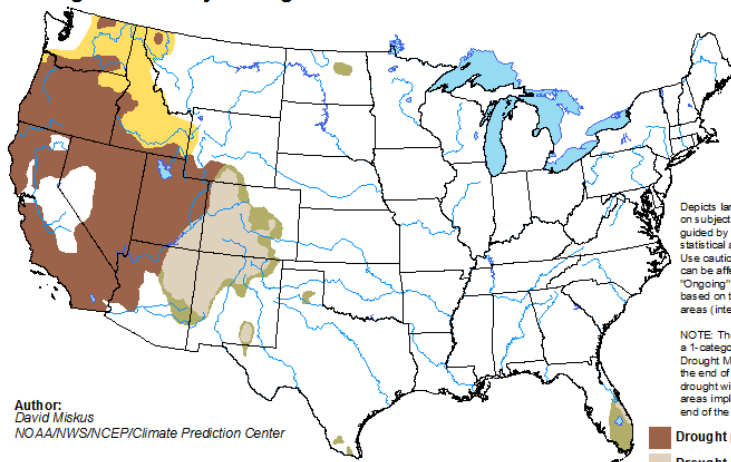
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

According to the latest U.S. Drought Monitor, as of February 12, the estimated Oklahoma population in drought areas is still at zero. However, since this time last month, in western Oklahoma, 7.59% of the state (in area) has been classified as abnormally dry.

According to the latest seasonal drought outlook for the period of January 17, 2019, through April 30, 2019, Oklahoma is predicted to be unaffected by drought. However, drought is predicted to develop and persist in many states to the west of Oklahoma.

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

Valid for January 17 - April 30, 2019  
Released January 17



Author:  
David Miskus  
NOAA/NWS/NCEP/Climate Prediction Center

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



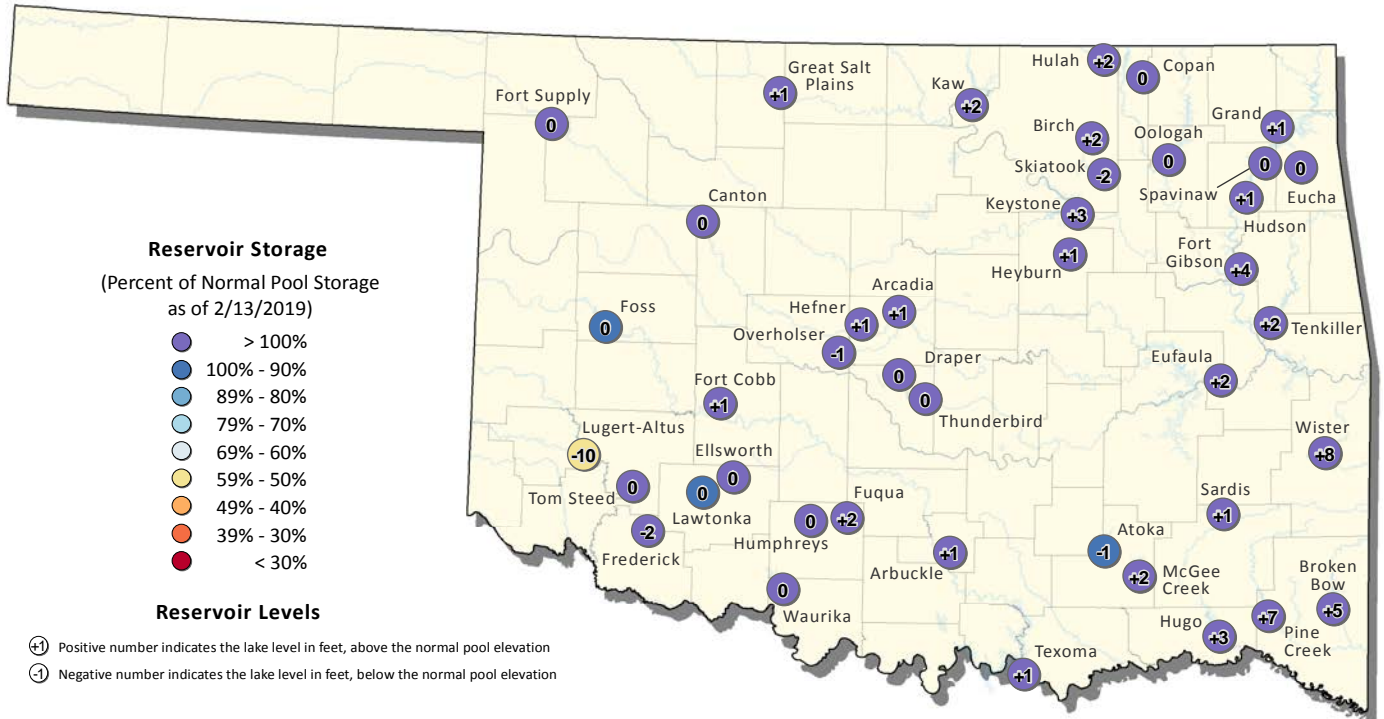
<http://go.usa.gov/3eZ73>





# RESERVOIR STORAGE

## Oklahoma Surface Water Resources Reservoir Levels and Storage as of 2/13/2019



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 ([http://www.swt-wc.usace.army.mil/old\\_resv rept.htm](http://www.swt-wc.usace.army.mil/old_resv rept.htm)), and the U.S. Geological Survey ([http://waterdata.usgs.gov/ok/nwis/current/?type=lake&group\\_key=basin\\_cd](http://waterdata.usgs.gov/ok/nwis/current/?type=lake&group_key=basin_cd)). For more information please visit the OWRB's website at (<http://www.owrb.ok.gov>)

