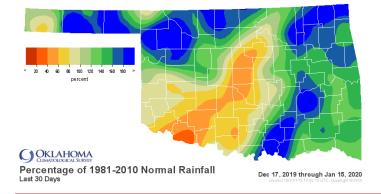
Oklahoma Water Resources Bulletin & Summary of Current Conditions

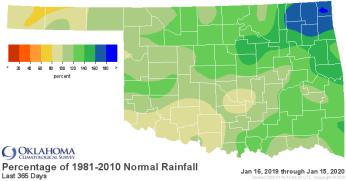


January 16, 2020

PRECIPITATION

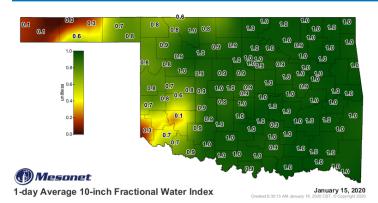
Statewide Precipitation										
	Dece	Last 3 ember 17, 2019	0 Days 9 – January 1	15, 2020	Last 365 Days January 16, 2019 – January 15, 2020					
Climate Division	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	Rank Since 1921	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	RANK SINCE 1921		
PANHANDLE	0.93"	+0.27"	141%	15th wettest	20.16"	-0.42"	98%	50th wettest		
NORTH CENTRAL	1.66"	+0.65"	164%	17th wettest	39.18"	+7.76"	125%	7th wettest		
NORTHEAST	3.08"	+1.12"	157%	15th wettest	64.15"	+21.48"	150%	1st wettest		
WEST CENTRAL	1.16"	+0.20"	121%	31st wettest	34.36"	+5.96"	121%	12th wettest		
CENTRAL	1.24"	-0.30"	81%	43rd wettest	46.39"	+8.76"	123%	8th wettest		
EAST CENTRAL	4.08"	+1.45"	155%	13th wettest	60.60"	+14.46"	131%	5th wettest		
SOUTHWEST	0.78"	-0.34"	69%	47th wettest	30.07"	-0.20"	99%	36th wettest		
SOUTH CENTRAL	2.80"	+0.62"	128%	19th wettest	44.69"	+3.98"	110%	20th wettest		
SOUTHEAST	4.53"	+1.34"	142%	16th wettest	63.01"	+12.42"	125%	11th wettest		
STATEWIDE	2.21"	+0.53"	131%	18th wettest	44.81"	+8.34"	123%	7th wettest		

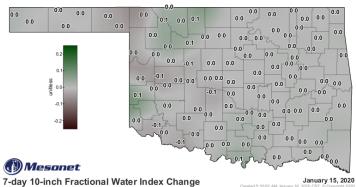




SOIL MOISTURE

Fractional Water Index January 15, 2020





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.]

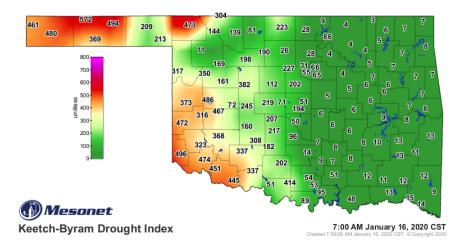
DROUGHT INDICES

Palmer Drought Severity Index (PDSI)					Standardized Precipitation Index (SPI) Through December 2019				
Climate Division	Status 01/11/20	Va 10/05	lue 01/11	Change in Value	3-month	12-month	24-month		
NORTHWEST	Unusual Moist Spell	3.63	2.39	1.24(-)	Near Normal	Abnormally Moist	Very Moist		
NORTH CENTRAL	Very Moist Spell	4.92	3.73	1.19(-)	Near Normal	Extremely Moist	Extremely Moist		
NORTHEAST	Extremely Moist	5.19	5.05	0.14(-)	Abnormally Moist	Exceptionally Moist	Extremely Moist		
WEST CENTRAL	Near Normal	2.36	0.96	1.4(-)	Near Normal	Very Moist	Very Moist		
CENTRAL	Very Moist Spell	3.64	3.76	0.12(+)	Near Normal	Extremely Moist	Extremely Moist		
EAST CENTRAL	Extremely Moist	2.96	4.52	1.56(+)	Moderately Moist	Very Moist	Extremely Moist		
SOUTHWEST	Near Normal	0.47	-0.62	1.09(-)	Abnormally Dry	Near Normal	Abnormally Moist		
SOUTH CENTRAL	SOUTH CENTRAL Very Moist Spell		3.28	1.39(+)	Near Normal	Moderately Moist	Extremely Moist		
SOUTHEAST Extremely Moist		2.87	4.45	1.58(+)	Abnormally Moist	Moderately Moist	Extremely Moist		
extreme drought severe drought -4.0 or less -3.0 to -3.9	drought normal moist	t spell mo	very ist spell 0 to +3.9 +4	extremely moist 4.0 and above	exceptionally extremely dry dry dry dry -2.00 and -1.99 to -1.50 to -0.80	dry normal moist	noderately wery moist extremely exceptionally moist with the second moist with the secon		

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 January 11, the West Central and Southwest regions were near normal but the rest of the state's climate regions were above normal.

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 except the Southwest region, which was abnormally dry for the 3-month period.

Keetch-Byram Drought Fire Index

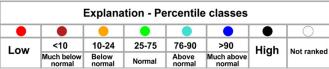


The Keetch-Byram Drought Index measures the state of near-surface soil moisture (within the uppermost eight inches of soil) as well as the amount of fuel available for fires.

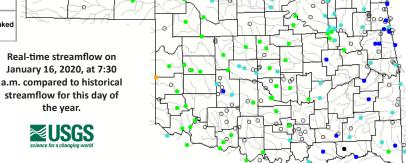
KBDI values of 600 and above are often associated with more severe drought and increased wildfire occurrence.

STREAMFLOW CONDITIONS

January 16, 2020

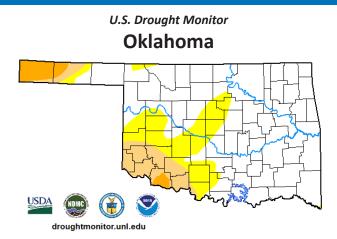


Visit waterwatch.usgs.gov for additional real-time streamflow information.



WEATHER/DROUGHT FORECAST

Drought Summary for Oklahoma



January 14, 2020 (Released Thursday, Jan. 16, 2020) Valid 7 a.m. EDT



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

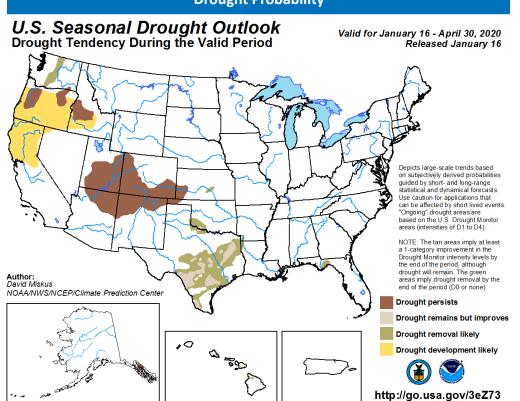
Author: Curtis Riganti National Drought Mitigation Center

Drought Conditions (percent area)

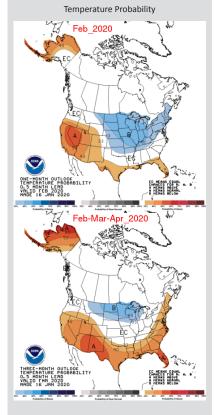
Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	1/14/2020	71.77	28.23	12.1	3.64	0	0	44
Last Week	1/7/2020	76.26	23.74	10.5	3.64	0	0	38
3 Months Ago	10/15/2019	70.51	29.49	8.7	1.09	0	0	39
Start of Calendar Year	12/31/2019	76.45	23.55	10.47	3.64	0	0	38
Start of Water Year	10/1/2019	71.94	28.06	11.08	1.01	0	0	40
One Year Ago	1/15/2019	100	0	0	0	0	0	0

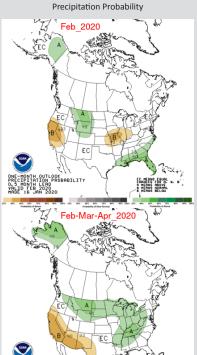
According to the latest U.S. Drought Monitor, as of January 14, 2020, the estimated Oklahoma population living in areas experiencing drought was 162,933. More than 12% of the state in area is experiencing Moderate Drought (D1) or worse with 3.64% experiencing Severe Drought (D2). Several areas (28.23% of the state) are having Abnormally Dry (D0) conditions.

Drought Probability



Seasonal Outlook





The contours on the maps above show the total probability of three categories. "Above" is indicated by the letter "A"; "Below" is indicated by the letter "B"; "EC" indicates "Equal Chances" for A or B.

DUTLOOK N PROBABILITY

RESERVOIR STORAGE

Oklahoma Surface Water Resources

Reservoir Levels and Storage as of 1/13/2020

