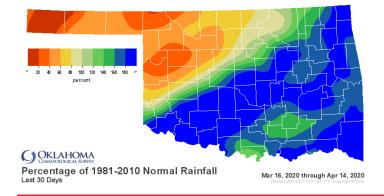
Oklahoma Water Resources Bulletin & Summary of Current Conditions

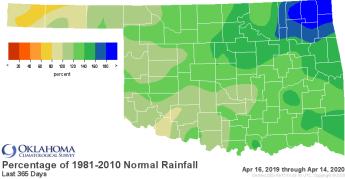


April 15, 2020

PRECIPITATION

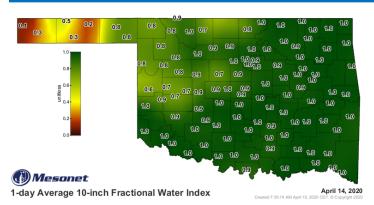
Statewide Precipitation									
	Last 30 Days March 16, 2020 – April 14, 2020				Last 365 Days April 16, 2019 – April 14, 2020				
Climate Division	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	Rank Since 1921	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	RANK SINCE 1921	
PANHANDLE	0.55"	-1.02"	35%	30th driest	20.23"	-0.30"	99%	47th wettest	
NORTH CENTRAL	1.66"	-0.99"	63%	44th driest	41.23"	+9.90"	132%	5th wettest	
NORTHEAST	5.34"	+1.77"	150%	15th wettest	69.02"	+26.48"	162%	1st wettest	
WEST CENTRAL	1.28"	-0.96"	57%	36th driest	34.40"	+6.08"	121%	11th wettest	
CENTRAL	4.88"	+1.77"	157%	14th wettest	50.62"	+13.09"	135%	4th wettest	
EAST CENTRAL	6.78"	+3.01"	180%	7th wettest	65.52"	+19.51"	142%	3rd wettest	
SOUTHWEST	4.46"	+2.20"	197%	8th wettest	33.86"	+3.67"	112%	18th wettest	
SOUTH CENTRAL	5.38"	+2.11"	165%	13th wettest	50.73"	+10.13"	125%	6th wettest	
SOUTHEAST	8.09"	+3.88"	192%	8th wettest	68.80"	+18.35"	136%	3rd wettest	
STATEWIDE	4.26"	+1.30"	144%	16th wettest	48.41"	+12.04"	133%	2nd wettest	

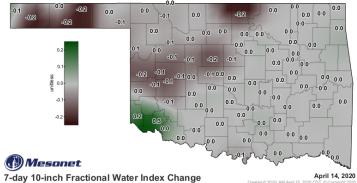




SOIL MOISTURE

Fractional Water Index April 14, 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.]

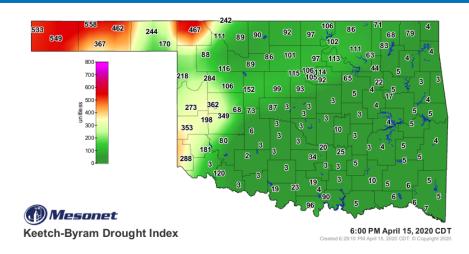
DROUGHT INDICES

Palmer Drought Severity Index (PDSI)				Standardized Precipitation Index (SPI) Through March 2020				
Climate Division	Status 04/11/20	Value 02/08 04/11	Change in Value	3-month	12-month	24-month		
NORTHWEST	Near Normal	2.75 1.36	1.39(-)	Abnormally Moist	Abnormally Moist	Extremely Moist		
NORTH CENTRAL	Very Moist Spell	3.85 3.44	0.41(-)	Moderately Moist	Exceptionally Moist	Exceptionally Moist		
NORTHEAST	Extremely Moist	5.09 5.06	0.03(-)	Exceptionally Moist	Exceptionally Moist	Exceptionally Moist		
WEST CENTRAL	Near Normal	1.59 1.70	0.11(+)	Moderately Moist	Very Moist	Extremely Moist		
CENTRAL	Extremely Moist	4.47 4.67	0.2(+)	Extremely Moist	Exceptionally Moist	Exceptionally Moist		
EAST CENTRAL	Extremely Moist	4.88 4.93	0.05(+)	Extremely Moist	Exceptionally Moist	Exceptionally Moist		
SOUTHWEST	Unusual Moist Spell	0.42 2.73	2.31(+)	Extremely Moist	Moderately Moist	Abnormally Moist		
SOUTH CENTRAL	Extremely Moist	4.00 4.40	0.4(+)	Exceptionally Moist	Extremely Moist	Exceptionally Moist		
SOUTHEAST	Extremely Moist	4.39 4.64	0.25(+)	Extremely Moist	Extremely Moist	Extremely Moist		
extreme severe drought drought	moderate near unusual drought normal moist spe	ell moist spell	extremely moist	exceptionally extremely severely moderately dry dry dry -2.00 and -1.99 to -1.59 to -1.29 to -0.80	-0.79 to -0.50 to +0.51 to +	oderately very extremely exceptionally moist moist moist moist moist moist the following moist moist moist moist with 1.30 to +1.60 to +2.0 and +1.29 +1.59 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 April 11, the Northwest and West Central 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 abnormally moist or wetter.

Keetch-Byram Drought Fire Index

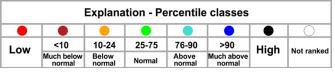


The Keetch-Byram Drought Index measures the state of near-surface soil moisture (within the uppermost eight inches of soil) as well as the amount of fuel available for fires.

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

STREAMFLOW CONDITIONS

April 15, 2020



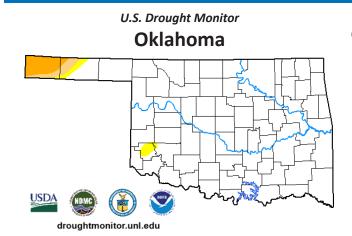
Visit waterwatch.usgs.gov for additional real-time streamflow information.

Real-time streamflow on April 15, 2020, at 6:30 p.m. compared to historical streamflow for this day of the year.



WEATHER/DROUGHT FORECAST

Drought Summary for Oklahoma



April 14, 2020 (Released Thursday, Apr. 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.

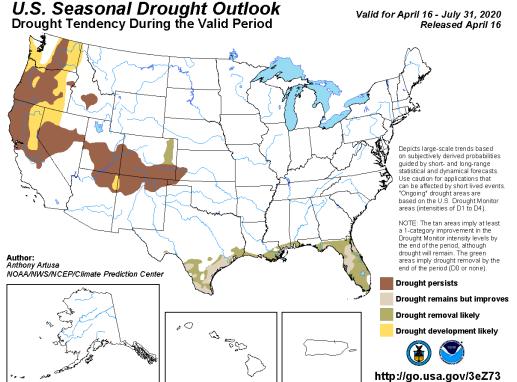
Author: Brian Fuchs National Drought Mitigation Center

Drought Conditions (percent area)

Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2020-04-14	95.47	4.53	3.35	2.27	0.00	0.00	10
Last Week	2020-04-07	95.47	4.53	3.35	2.27	0.00	0.00	10
3 Months Ago	2020-01-14	71.77	28.23	12.10	3.64	0.00	0.00	44
Start of Calendar Year	2019-12-31	76.45	23.55	10.47	3.64	0.00	0.00	38
Start of Water Year	2019-10-01	71.94	28.06	11.08	1.01	0.00	0.00	40
One Year Ago	2019-04-16	100.00	0.00	0.00	0.00	0.00	0.00	0

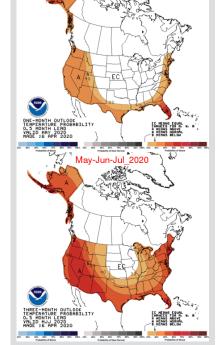
According to the latest U.S. Drought Monitor, as of April 14, 2020, the estimated Oklahoma population living in areas experiencing drought was 7,970, with 2.27% of the state in area experiencing Severe Drought (D2) conditions and 3.35% experiencing Moderate Drought (D1) conditions or worse. A total of 4.53% of the state has Abnormally Dry (D0) conditions or worse.

Drought Probability



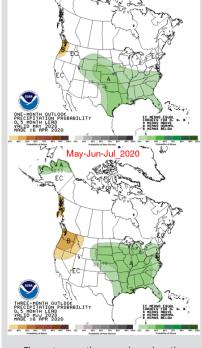
Seasonal Outlook

Temperature Probability





EC



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.

RESERVOIR STORAGE

Oklahoma Surface Water Resources

Reservoir Levels and Storage as of 4/14/2020

