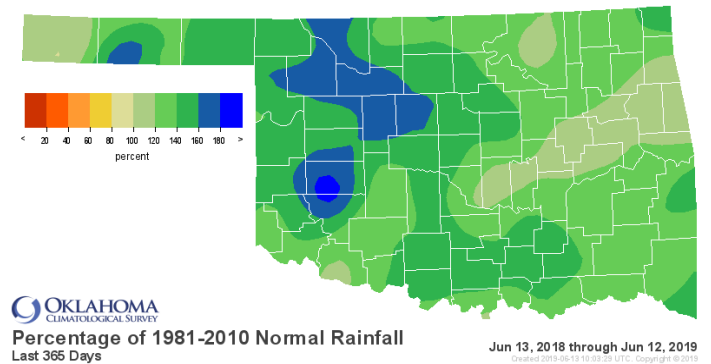
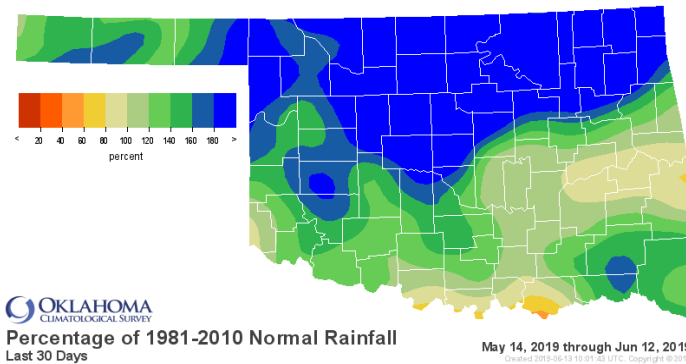


June 13, 2019

PRECIPITATION

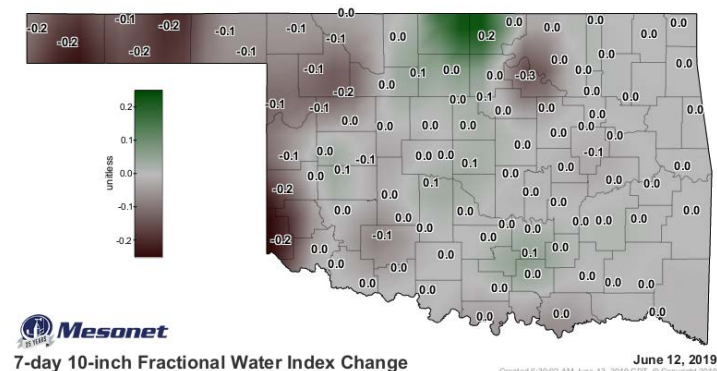
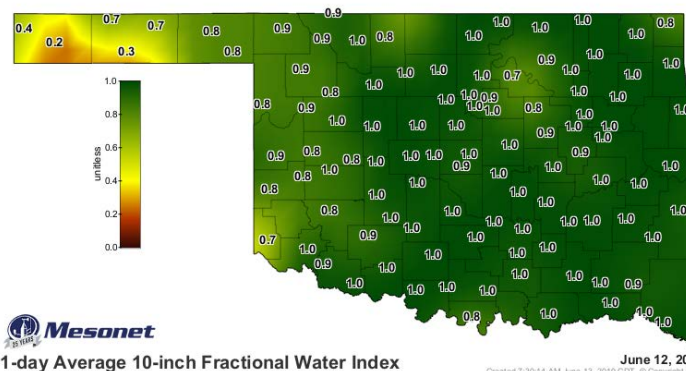
Statewide Precipitation

Climate Division	Last 30 Days May 14, 2019 – June 12, 2019				Last 365 Days June 13, 2018 – June 12, 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	4.87"	+1.87"	162%	18th wettest	28.47"	+7.89"	138%	6th wettest
NORTH CENTRAL	10.76"	+6.19"	235%	2nd wettest	47.13"	+15.71"	150%	2nd wettest
NORTHEAST	14.15"	+8.48"	249%	2nd wettest	54.68"	+12.01"	128%	7th wettest
WEST CENTRAL	8.12"	+3.60"	180%	10th wettest	47.27"	+18.87"	166%	1st wettest
CENTRAL	10.75"	+5.59"	208%	4th wettest	53.51"	+15.88"	142%	2nd wettest
EAST CENTRAL	6.83"	+1.18"	121%	23rd wettest	54.26"	+8.12"	118%	10th wettest
SOUTHWEST	6.29"	+1.88"	143%	25th wettest	42.33"	+12.06"	140%	2nd wettest
SOUTH CENTRAL	6.29"	+0.91"	117%	36th wettest	57.51"	+16.80"	141%	2nd wettest
SOUTHEAST	7.77"	+2.13"	138%	18th wettest	68.29"	+17.70"	135%	1st wettest
STATEWIDE	8.61"	+3.72"	176%	7th wettest	50.30"	+13.83"	138%	1st wettest



SOIL MOISTURE

Fractional Water Index June 12, 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 May 2019		
Climate Division	Status 6/08/19	Value		Change in Value	3-month	12-month	24-month
NORTHWEST	Extremely Moist	3.38	4.51	1.13(+)	Moderately Moist	Exceptionally Moist	Moderately Moist
NORTH CENTRAL	Extremely Moist	4.78	6.47	1.69(+)	Exceptionally Moist	Exceptionally Moist	Very Moist
NORTHEAST	Extremely Moist	2.82	4.77	1.95(+)	Exceptionally Moist	Very Moist	Moderately Moist
WEST CENTRAL	Extremely Moist	5.37	6.34	0.97(+)	Exceptionally Moist	Exceptionally Moist	Extremely Moist
CENTRAL	Extremely Moist	4.54	5.28	0.74(+)	Exceptionally Moist	Exceptionally Moist	Extremely Moist
EAST CENTRAL	Very Moist Spell	3.34	3.3	0.04(-)	Moderately Moist	Very Moist	Moderately Moist
SOUTHWEST	Extremely Moist	5.09	4.72	0.37(-)	Extremely Moist	Exceptionally Moist	Extremely Moist
SOUTH CENTRAL	Extremely Moist	4.92	4.59	0.33(-)	Moderately Moist	Exceptionally Moist	Extremely Moist
SOUTHEAST	Extremely Moist	4.26	4.34	0.08(+)	Moderately Moist	Extremely Moist	Very 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 June 8, the East Central region was having a very moist spell and all other climate regions in the state were experiencing extremely moist conditions.

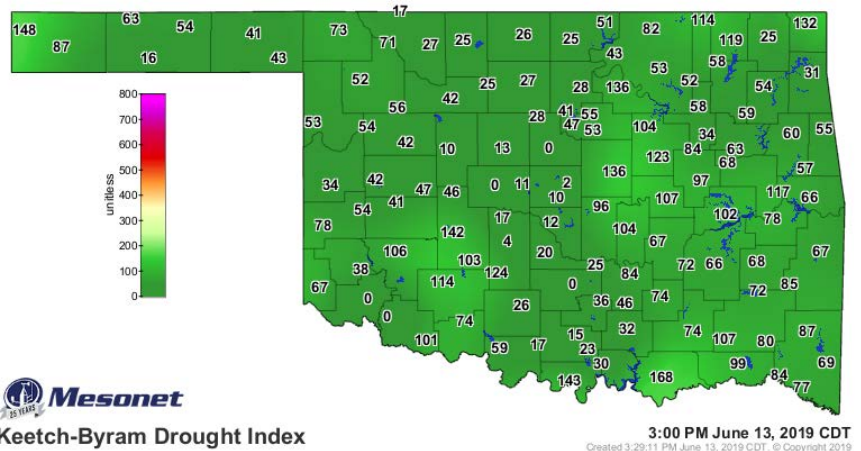
The SPI provides a comparison of precipitation over several specified periods with totals from the same periods for all years included in the historical record. For all three time periods shown, all climate regions were moderately moist or wetter.

Keetch-Byram Drought Fire Index

June 13, 2019, zero stations are above 600.

Zero stations were above 600 on May 20, 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.



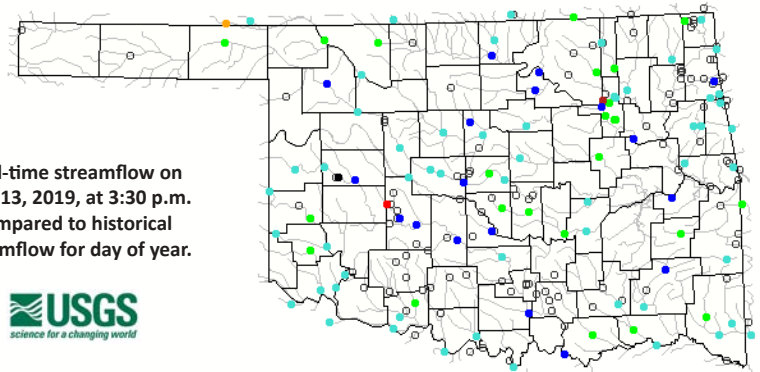
STREAMFLOW CONDITIONS

June 13, 2019

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

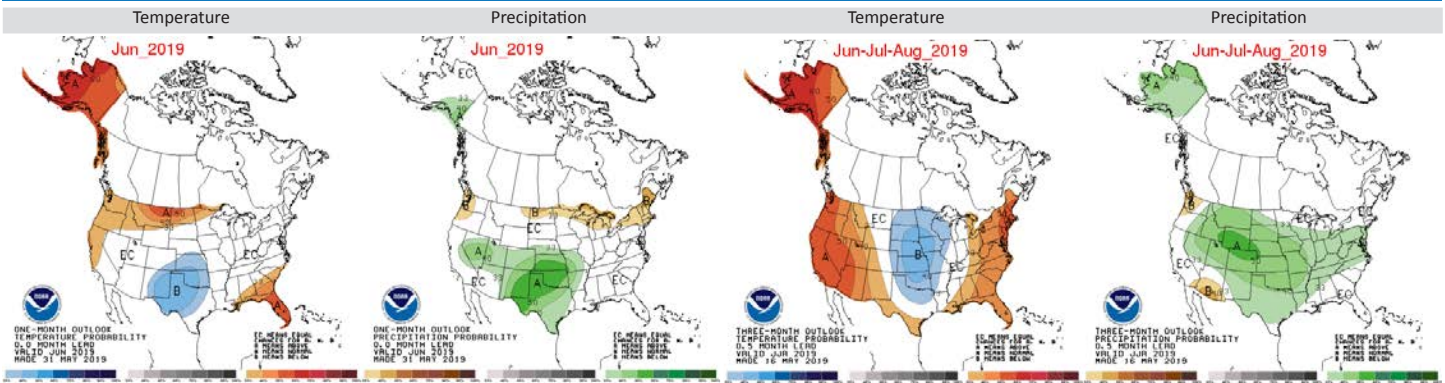
Visit waterwatch.usgs.gov for real-time streamflow information.

Real-time streamflow on June 13, 2019, at 3:30 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

June 11, 2019

(Released Thursday, Jun. 13, 2019)

Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week 06-04-2019	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago 03-12-2019	94.05	5.95	0.79	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 06-12-2018	19.29	80.71	50.75	35.76	23.91	2.12

Author:
David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

Intensity



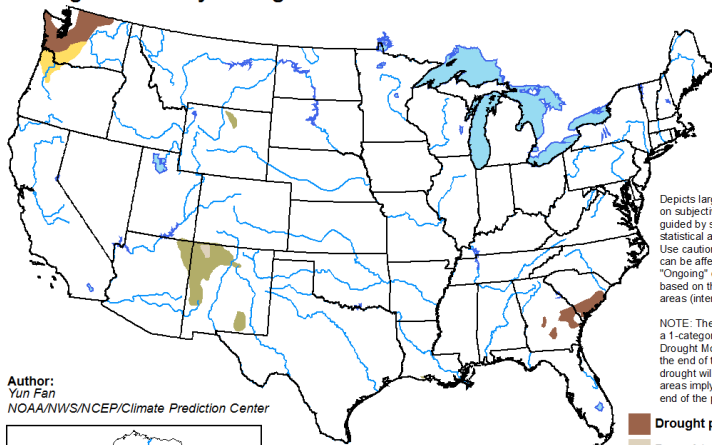
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

According to the latest U.S. Drought Monitor, as of June 11, the estimated Oklahoma population in drought remained at zero.

According to the latest seasonal drought outlook for the period of May 16, 2019, through August 31, 2019, Oklahoma is predicted to be free of drought development.

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

Valid for May 16 - August 31, 2019
Released May 16



Author:
Yun Fan
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).

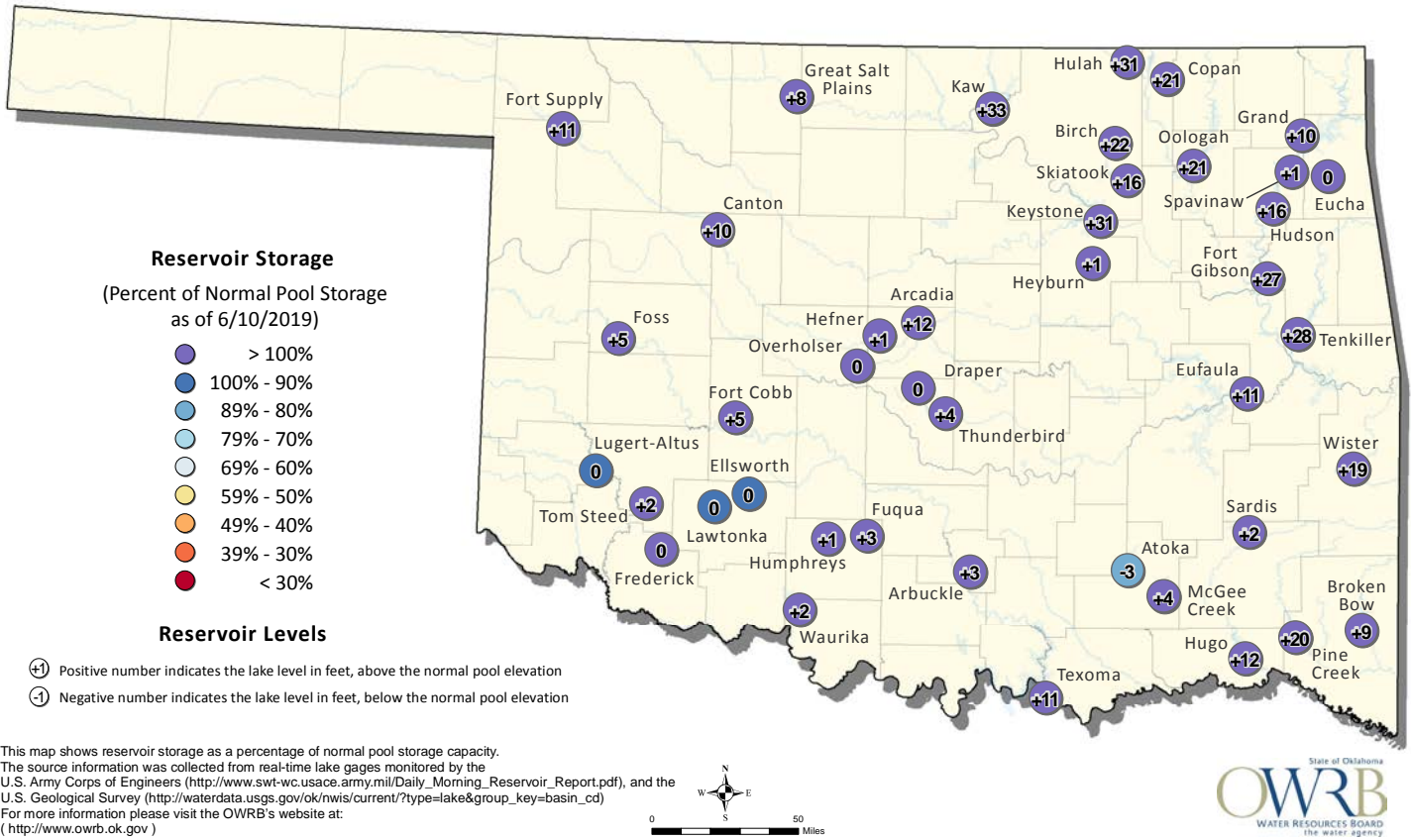
- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



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

RESERVOIR STORAGE

Oklahoma Surface Water Resources Reservoir Levels and Storage as of 6/10/2019



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/Daily_Morning_Reservoir_Report.pdf), and the U.S. Geological Survey (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>)

