

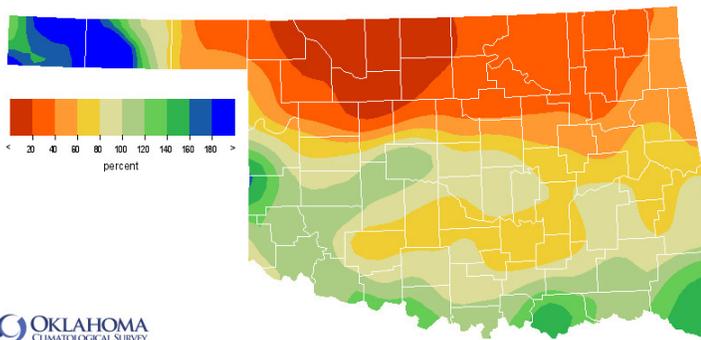
# Oklahoma Water Resources Bulletin & Summary of Current Conditions

January 26, 2015

## PRECIPITATION

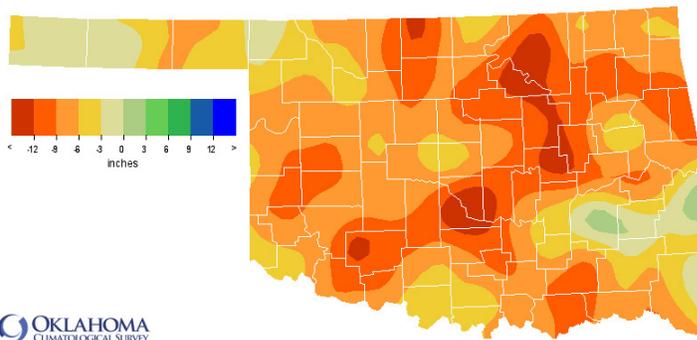
### Statewide Precipitation

CLIMATE DIVISION	Last 30 Days December 27, 2014 – January 25, 2015				Last 365 Days January 26, 2014 – January 25, 2015			
	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	0.48"	-0.12"	80%	33rd wettest	16.89"	-3.69"	82%	24th driest
N. Central	0.15"	-0.77"	16%	13th driest	23.99"	-7.43"	76%	20th driest
Northeast	0.59"	-1.18"	33%	15th driest	33.78"	-8.89"	79%	19th driest
W. Central	0.72"	-0.19"	80%	43rd wettest	20.77"	-7.63"	73%	15th driest
Central	0.95"	-0.45"	68%	44th driest	28.63"	-9.00"	76%	18th driest
E. Central	1.55"	-0.85"	64%	40th driest	37.91"	-8.23"	82%	28th driest
Southwest	1.11"	+0.06"	106%	32nd wettest	23.03"	-7.24"	76%	20th driest
S. Central	1.84"	-0.14"	93%	40th wettest	33.07"	-7.64"	81%	28th driest
Southeast	3.21"	+0.26"	109%	31st wettest	46.86"	-3.73"	93%	37th driest
Statewide	1.13"	-0.40"	74%	44th driest	29.29"	-7.18"	80%	20th driest



OKLAHOMA CLIMATOLOGICAL SURVEY  
Percentage of 1981-2010 Normal Rainfall  
Last 30 Days

Dec 27, 2014 through Jan 25, 2015  
Created 2/3/15 10:02:11 UTC. Copyright © 2015

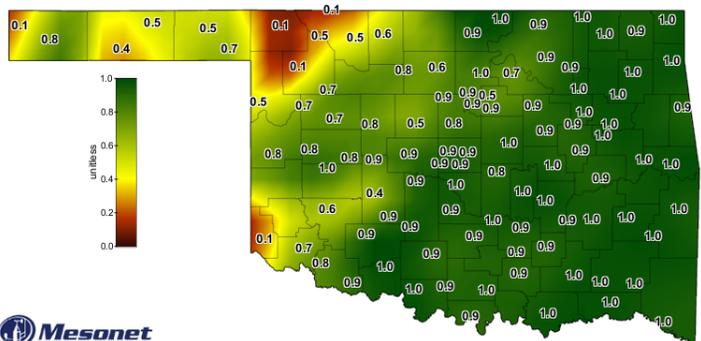


OKLAHOMA CLIMATOLOGICAL SURVEY  
Departure from 1981-2010 Normal Rainfall  
Last 365 Days

Jan 26, 2014 through Jan 25, 2015  
Created 2/3/15 10:04:23 UTC. Copyright © 2015

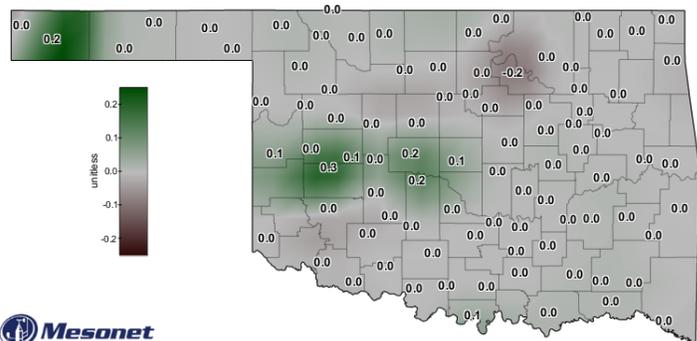
## SOIL MOISTURE

### Fractional Water Index<sup>1</sup> January 25, 2015



Mesonet  
Daily Averaged Fractional Water Index at 10 inches

January 25, 2015  
Created 6:30:15 AM January 26, 2015 CST. © Copyright 2015



Mesonet  
7-Day Change in Fractional Water Index at 10 inches

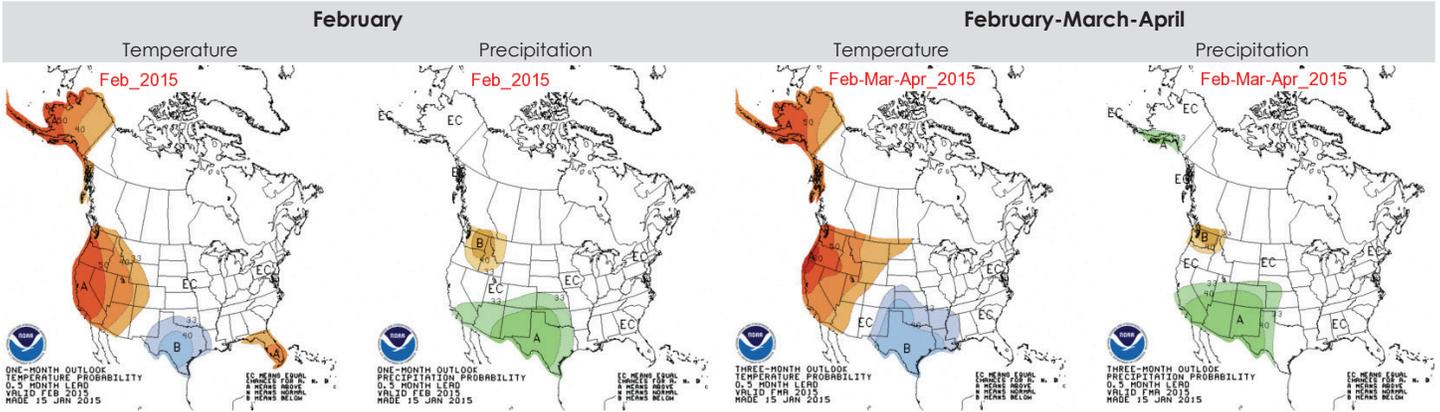
January 25, 2015  
Created 5:30:01 AM January 26, 2015 CST. © Copyright 2015

<sup>1</sup>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.]



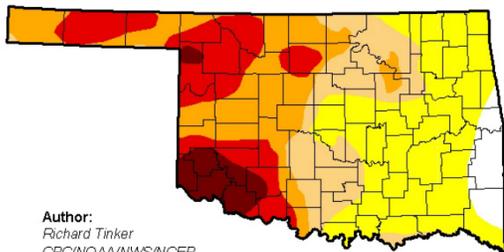
# WEATHER/DROUGHT FORECAST

## Seasonal Outlook



## Regional Drought Summary & Outlook

### U.S. Drought Monitor Oklahoma



Author:  
Richard Tinker  
CPC/NOAA/NWS/NCEP



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

**January 20, 2015**  
(Released Thursday, Jan. 22, 2015)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	5.03	94.97	60.60	43.87	22.58	5.69
<b>Last Week</b> 9/3/2015	29.59	70.41	59.12	42.59	22.58	5.69
<b>3 Months Ago</b> 10/2/2014	22.15	77.85	64.49	55.44	20.87	4.84
<b>Start of Calendar Year</b> 1/20/2014	25.63	74.37	62.03	40.84	21.74	5.70
<b>Start of Water Year</b> 9/26/2014	8.55	91.45	73.31	58.13	20.92	4.64
<b>One Year Ago</b> 1/21/2014	35.17	64.83	38.04	18.99	4.84	2.40

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.

January 20—According to the U.S. Drought Monitor, 1,820,050 Oklahomans are being affected by drought (category D1-D4).

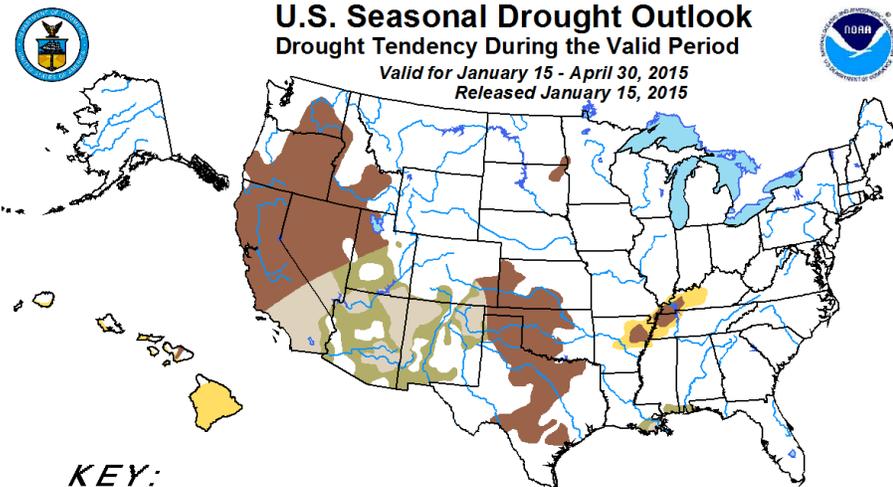
The last 30 days have been extremely dry from the eastern Texas Panhandle and the central tier of Oklahoma northeastward through southern and eastern Kansas and into Missouri. Amounts below half of normal are widespread, and only 1/10 of normal at best was measured in a swath from west-central to north-central Oklahoma. The dry conditions prompted fairly broad expansion of D0 through eastern sections of Oklahoma.

In the past month, the percentage of Oklahoma classified as being in Exceptional Drought (D4) has decreased slightly (from 5.71% to 5.69%), but more than 60% of the state still remains classified in Moderate Drought or worse (D1-D4). Most of the areas experiencing Exceptional Drought are in the Southwest corner of the state with a small area in northern Ellis County. The percentage of the state that has moved from no drought classification to the Abnormally Dry (D0) classification has increased significantly (74.37% to 94.97%), all in the eastern half of the state.

According to the seasonal drought outlook, from mid-January through late April, drought conditions will likely persist or intensify in all of the western half of the state, the North Central region, and the western half of the South Central climate region. The rest of the state is expected not to experience drought conditions during this time period.

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

Valid for January 15 - April 30, 2015  
Released January 15, 2015



**KEY:**

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

Author: David Miskus, Climate Prediction Center, NOAA  
[http://www.cpc.ncep.noaa.gov/products/expert\\_assessment/sdo\\_summary.html](http://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.html)

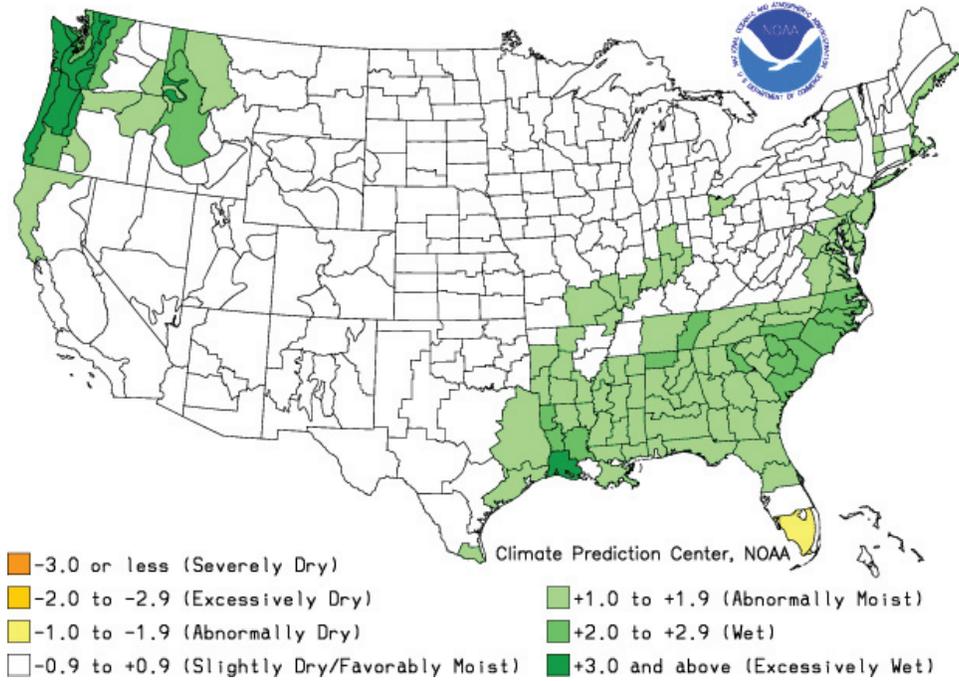
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events – such as individual storms – cannot be accurately forecast more than a few days in advance. Use caution for applications – such as crops – that can be affected by such events. “Ongoing” drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor.

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)

# CROP REPORT

January 17—According to the NOAA Crop Moisture Index by Division, the entire state is classified as experiencing slightly dry/favorably moist conditions.

Crop Moisture Index by Division  
Weekly Value for Period Ending JAN 17, 2015  
Short Term Need vs. Available Water in a Shallow Soil Profile



# RESERVOIR STORAGE

Oklahoma Surface Water Resources  
Reservoir Levels and Storage as of 1/13/2015

