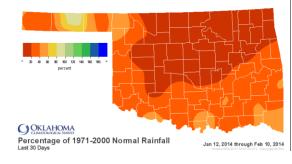
Oklahoma Water Resources Bulletin & Summary of Current Conditions

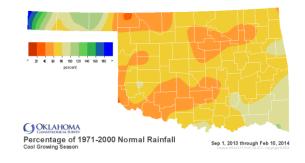


February 13, 2014

PRECIPITATION

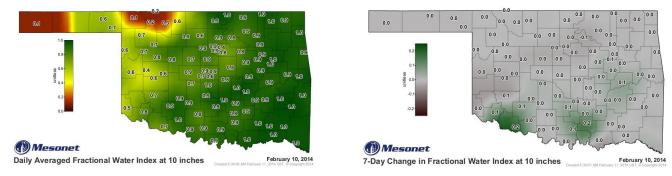
Statewide Precipitation									
	Last 30 Days January 12, 2014 – February 10, 2014					Cool Growing Season September 1, 2013 – February 10, 2014			
Climate Division	Total Rainfall (inches)	DEPARTURE FROM NORMAL (INCHES)	Percent Of Normal	Rank Since 1921	Total Rainfall (inches)	Departure From Normal (inches)	Percent Of Normal	Rank Since 1921	
Panhandle	0.25"	-0.32"	44%	37th driest	4.94"	-0.94"	84%	46th driest	
North Central	0.11"	-0.92"	11%	7th driest	6.20"	-4.33"	59%	17th driest	
Northeast	0.10"	-1.62"	6%	2nd driest	10.82"	-5.76"	65%	23rd driest	
West Central	0.20"	-0.77''	21%	20th driest	6.47"	-3.27"	66%	24th driest	
Central	0.21"	-1.34"	13%	6th driest	8.29"	-6.33"	57%	17th driest	
East Central	0.53"	-1.72"	23%	5th driest	13.70"	-5.81"	70%	29th driest	
Southwest	0.30''	-0.86"	26%	24th driest	6.45"	-4.57"	59%	17th driest	
South Central	0.68"	-1.34"	34%	15th driest	11.23"	-5.68"	66%	21st driest	
Southeast	1.10"	-1.83"	38%	12th driest	19.26"	-3.34"	85%	42nd driest	
Statewide	0.37"	-1.20"	24%	6th driest	9.55"	-4.56"	68%	20th driest	





SOIL MOISTURE





¹ 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.]

Water Resources Bulletin, 2/13/2014 – page 1

Drought Indices									
Palmer Drought Severity Index ¹					Standardized Precipitation Index ² Through January 2014				
Climate Division	Current Status 2/8/2014	VA 2/8	LUE 1/11	CHANGE In Value	3-Month	6-Month	12-MONTH	24-MONTH	
Northwest	INCIPIENT DROUGHT	-0.99	-0.98	-0.01	MODERATELY DRY	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	
North Central	INCIPEINT MOIST SPELL	0.65	1.14	-0.49	MODERATELY DRY	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	
Northeast	NEAR NORMAL	-0.16	0.87	-1.03	MODERATELY DRY	NEAR NORMAL	NEAR NORMAL	MODERATELY DRY	
West Central	INCIPIENT DROUGHT	-0.66	-0.61	-0.05	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	MODERATELY DRY	
Central	NEAR NORMAL	0.46	1.31	-0.85	MODERATELY DRY	NEAR NORMAL	MODERATELY WET	NEAR NORMAL	
East Central	NEAR NORMAL	-0.23	0.81	-1.04	VERY DRY	EXTREMELY DRY	NEAR NORMAL	VERY DRY	
Southwest	MODERATE DROUGHT	-2.27	-2.05	-0.22	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	
South Central	NEAR NORMAL	0.13	0.48	-0.35	MODERATELY DRY	MODERATELY DRY	NEAR NORMAL	MODERATELY DRY	
Southeast	NEAR NORMAL	0.17	1.23	-1.06	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	MODERATELY DRY	

• Three climate divisions—all in western Oklahoma—are classified as experiencing drought (or incipient drought) conditions, according to the PDSI. All nine regions have undergone a PDSI moisture decrease since January 11.

• According to the latest SPI, all nine climate divisions are experiencing longer-term dry conditions (through the last two years).

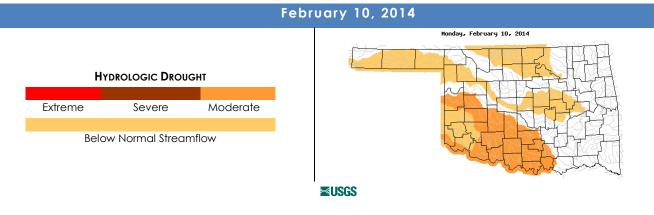
Keetch-Byram Drought Fire Index³

Mesonet Station	Climate Division	CURRENT VALUE 2/10/2014	207 479 289 570	244 574 526 457 359 189 159 56 31 34 27 23 34 27
Hollis	Southwest	607	203 516 800	455 360 208 213 349 264 85 121 73 26
Buffalo	Northwest	574	700-	244 270 327 338 136 187
Tipton	Southwest	563	600- 500-	355 65 356 111 97 58 41 3
 Stations currently at or above 600 (February 10) = 1 Stations above 600 on January 13 = 0 			8 400- 5 300- 200- 100- 0	421 462 189 179 254 189129 61 35 11 416 262 189 179 254 167 120 13 17 416 262 410 389 246 157 146 3 323 236 273 392 246 243 402 6 15 95 0 607 484 39 366 243 402 0 0 0 0

Keetch-Byram Drought Index

7:00 AM February 10, 2014 CST

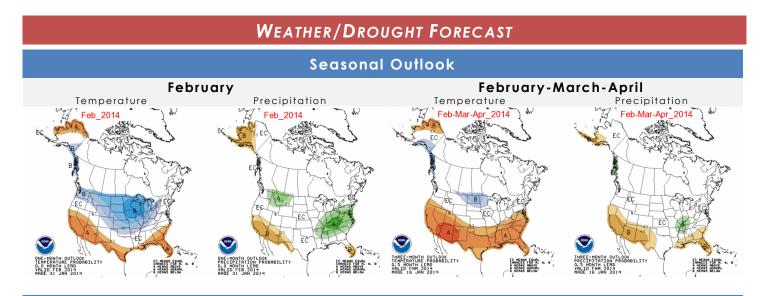
STREAMFLOW CONDITIONS



¹ The Palmer Drought Severity Index is based upon precipitation, temperature, and soil moisture. Though widely used by government agencies and states to trigger drought relief programs, the PDSI may underestimate or overestimate the severity of ongoing dry periods.

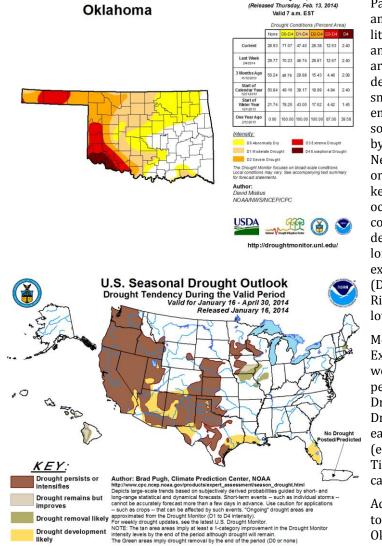
² The Standardized Precipitation Index, more sensitive than the PDSI, provides a comparison of precipitation over a specified period with precipitation totals from that same period for all years included in the historical record. The 3-month SPI provides a seasonal estimation of precipitation while the 6-month SPI can be very effective in showing precipitation over distinct seasons.

³ 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.



Regional Drought Summary & Outlook

February 11, 2014



U.S. Drought Monitor

February 11—According to the U.S. Drought Monitor, with the exception of light to moderate snows from the Oklahoma Panhandle northeastward across Kansas, southern Nebraska, and into Missouri and Iowa, and light rain in eastern Texas, little or no precipitation fell on the remainder of the central and southern Plains. Fortunately, normal precipitation totals are relatively low during the winter months, so accumulating deficits were also low. In central and eastern Kansas, where snow amounts were highest (liquid equivalent 0.5 to 1 inch), enough precipitation fell to produce 60-day surpluses from south central to northeastern Kansas, thus improving drought by one category in those areas. Elsewhere in Kansas, Nebraska, and western Oklahoma, the amounts were lighter or 60- to 90-day shortages still existed, so status-quo was kept. In Texas and southern Oklahoma with little precipitation occurring and normals low, most sections maintained their condition. A few areas, however, did require some deterioration as short-term dryness has begun to impact long-term conditions. This included southeastern Texas (D2 expansion), east-central Texas (D0 increase), southwest Texas (D3 merged), and D3-D4 increase eastward along the Red River where USGS flows are at 7-, 14-, and 28-day record lows.

More than twelve percent of Oklahoma is classified in Extreme Drought, signaling the continued evolution of worsening conditions over the last few months. More than 28 percent of the state is considered to be experiencing Severe Drought, and more than 47 percent remains in Moderate Drought as dryness increases in the west and spreads to the east. A large portion of far southwestern Oklahoma (especially the area consisting of Harmon, Jackson and Tillman Counties) remains in Exceptional Drought, the worst category. The Panhandle also remains quite dry.

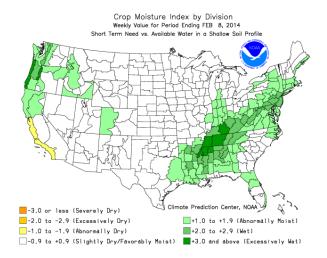
According to the latest Drought Outlook, drought is expected to persist or intensify throughout the general western half of Oklahoma through April.

CROP REPORT SUMMARY

February 3, 2013 – Overall, January was dry and cold. High winds and low humidity sparked a few wildfires. Due to the limited amount of moisture, wheat grazing was inadequate. Some canola and winter wheat have also experienced freeze damage. Small grain condition ratings and pasture conditions were mostly good to fair for January. Topsoil and subsoil moisture conditions were both rated 72 percent short to very short, 28 percent adequate and none surplus.

Conditions of small grains and canola declined over the past month. Small grains and canola were rated mostly good to fair. Forty- one percent of the wheat crop was being grazed, six points ahead of the five-year average, and 19 points more than during January 2013. Sixty-nine percent of rye was reported as grazed, 38 points more than the previous year and 11 points higher than normal. Twenty-nine percent of oats were being grazed, compared to the five-year average of 19 percent.

Pasture and range conditions continued to be rated mostly good to fair. Grazing of small grains decreased this month with limited moisture conditions. Producers were also providing hay and supplementary feed to herds as needed. Livestock conditions continued to be rated mostly good to fair.





Oklahoma Surface Water Resources

Reservoir Levels and Storage as of 2/11/2014

