

Oklahoma Water Resources Bulletin & Summary of Current Conditions

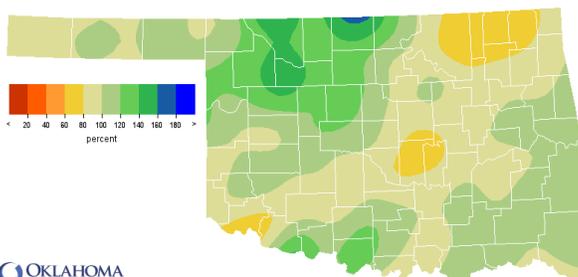


February 9, 2012

PRECIPITATION

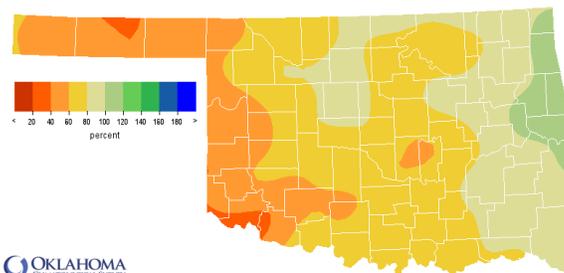
Statewide Precipitation

CLIMATE DIVISION	Cool Growing Season September 1, 2011 – February 6, 2012				Last 365 Days February 7, 2011 – February 6, 2012			
	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	5.69"	-0.09"	98%	39th wettest	10.58"	-10.51"	50%	1st driest
North Central	12.97"	+2.62"	125%	14th wettest	23.67"	-7.98"	75%	17th driest
Northeast	13.81"	-2.48"	85%	42nd driest	36.10"	-5.85"	86%	32nd driest
West Central	10.21"	+0.64"	107%	29th wettest	16.98"	-12.10"	58%	4th driest
Central	13.42"	-0.92"	94%	34th wettest	27.02"	-10.96"	71%	15th driest
East Central	18.71"	-0.43"	98%	37th wettest	42.88"	-3.19"	93%	36th driest
Southwest	10.71"	-0.11"	99%	36th wettest	17.08"	-13.72"	55%	2nd driest
South Central	16.54"	-0.04"	100%	36th wettest	27.09"	-13.85"	66%	7th driest
Southeast	23.65"	+1.52"	107%	29th wettest	45.46"	-5.46"	89%	31st driest
Statewide	13.84"	-0.00"	100%	29th wettest	27.32"	-9.36"	74%	11th driest



OKLAHOMA CLIMATOLOGICAL SURVEY
Percentage of Normal Rainfall
Cool Growing Season

Sep 1, 2011 through Feb 6, 2012
Created 5/30/07 AM February 6, 2012 CST. © Copyright 2012

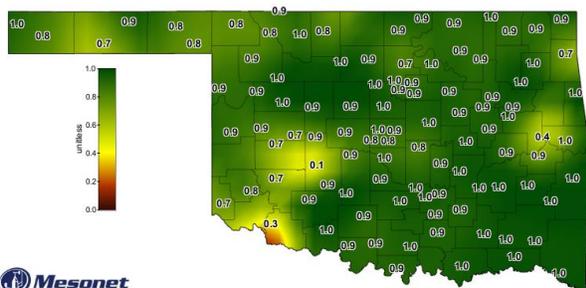


OKLAHOMA CLIMATOLOGICAL SURVEY
Percentage of Normal Rainfall
Last 365 Days

Feb 7, 2011 through Feb 6, 2012
Created 5/30/07 AM February 6, 2012 CST. © Copyright 2012

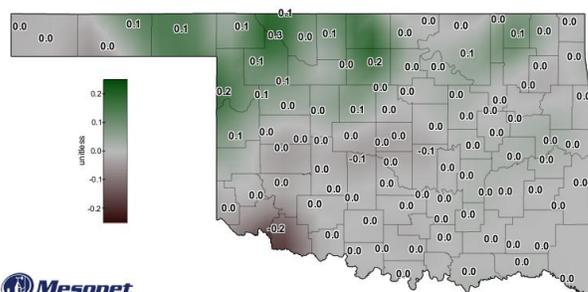
SOIL MOISTURE

Fractional Water Index¹ February 7, 2012



Mesonet
Daily Averaged Fractional Water Index at 10 inches

February 7, 2012
Created 5/30/07 AM February 6, 2012 CST. © Copyright 2012



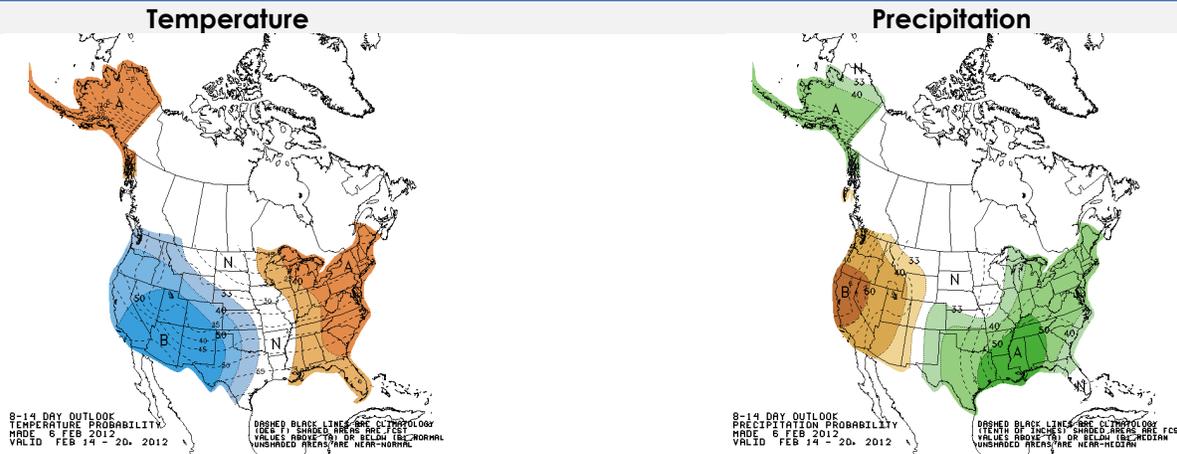
Mesonet
7-Day Change in Fractional Water Index at 10 inches

February 7, 2012
Created 5/30/07 AM February 6, 2012 CST. © Copyright 2012

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.]

WEATHER/DROUGHT FORECAST

8- to 14-Day Outlook February 14-20, 2012



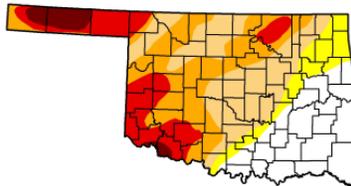
Regional Drought Summary & Outlook

U.S. Drought Monitor

February 7, 2012
Valid 7 a.m. EST

Oklahoma

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	24.91	75.09	66.53	41.82	18.57	3.78
Last Week (01/31/2012 map)	24.91	75.09	66.53	49.80	26.62	3.78
3 Months Ago (11/08/2011 map)	0.00	100.00	100.00	95.31	66.53	32.03
Start of Calendar Year (12/27/2011 map)	14.83	85.17	78.76	50.55	27.48	3.33
Start of Water Year (09/27/2011 map)	0.00	100.00	100.00	100.00	78.97	66.42
One Year Ago (02/01/2011 map)	0.36	99.64	57.77	5.51	0.00	0.00



Intensity:

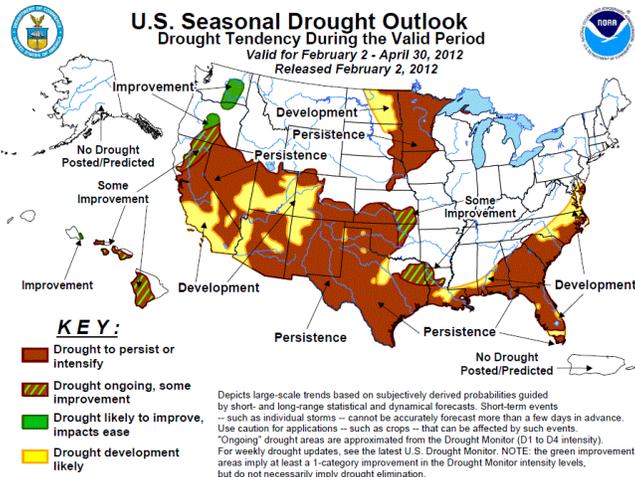
- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

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

<http://droughtmonitor.unl.edu>



Released Thursday, February 9, 2012
Rich Tinker, Climate Prediction Center/NCEP/NWS/NOAA



February 7—The latest U.S. Drought Monitor reports that little or no precipitation was recorded from central Texas northward and westward through southwestern Oklahoma, the southern Texas Panhandle, and the High Plains. Other areas received light to moderate precipitation. Central and eastern Kansas and much of northern Oklahoma also received heavy precipitation. At least 2 inches fell on north-central and northwestern Oklahoma east of the Panhandle, and on south-central Kansas, with a swath of 3 to 6 inches observed from near the northeastern Texas Panhandle northeastward through south-central Kansas. Conditions improved enough to justify 2-category drought classification reductions in this wettest area, generally to D1. Here, 6-month totals are now above normal. Most other areas improved a single category to D1 or D2. Moderate rains were scattered across central and southern Texas, leading to a broken pattern of 1-category improvements, while a relatively dry week left conditions unchanged elsewhere.

According to the latest Drought Outlook (February 2), the ongoing La Niña event favors drought persistence and development for the next three months across the south. Much of this same area will also have enhanced odds for above normal temperatures. Despite early winter snowfall in Arizona and New Mexico, the odds for subnormal precipitation and above normal temperatures across the southwest are elevated in the monthly and seasonal outlooks. Therefore, persistence or development is forecasted across most of California, the Great Basin, southwest, and southern Plains. Some improvement is possible along the northern drought boundary in the central Great Plains.

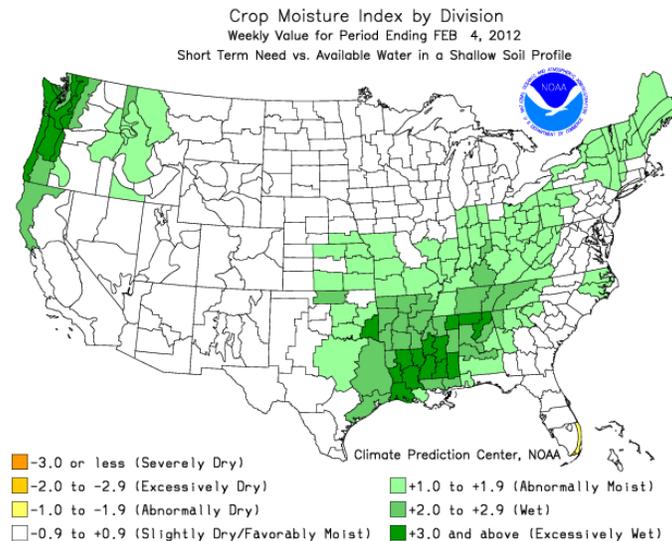
CROP REPORT

January 30, 2012 (January Summary) – Scattered rains were seen across Oklahoma during January. A daily maximum rainfall record was set in McAlester, at 1.9 inches on January 10, breaking the old record of 0.62 inches set in 1954. A second daily record was set in Oklahoma City, at 1.52 inches on January 24, breaking the old record of 0.37 inches set in 1949.

Drought conditions continued around the state. The Drought Monitor indicated that 68 percent of the state was in a drought, as the Panhandle and much of the southwestern parts of the state continued to experience severe to exceptional drought conditions. Temperatures continued to be unseasonably warm for this time of year. The high temperatures ranged from 72 degrees in McAlester on January 20th to 79 degrees recorded in Mangum on January 16th. This unseasonable warm January along with the scattered rains have small grain crops off to a good start. Scattered rains have supplied much needed moisture for small grain grazing, which helped slow the feeding of hay. While the scattered rains have helped small grains, farm ponds and lakes have seen little relief from the drought. Some ranchers continued to haul water to livestock. Topsoil moisture conditions improved slightly with 53 percent rated adequate or surplus and 47 percent rated short to very short. Subsoil moisture conditions were rated mostly short to very short, though 27 percent of the state was rated as adequate.

Conditions have slipped slightly but small grain crops continued to be rated mostly good, while the canola condition rating remained mostly good to fair. Wheat grazed was at 39 percent, three points above the five year average. Rye grazed was at 67 percent, six percent above the five year average. Oats grazed was at 47 percent, 30 points above the five-year average.

Pasture and range conditions showed little improvement from December, with 72 percent rated poor to very poor. Ranchers were fortunate that more small grain grazing acres were available to replace the limited availability of cool season grasses. Livestock conditions were rated mostly in the good to fair range with 29 percent rated poor to very poor. Ranchers continued feeding hay and selling cattle with prices holding strong. Rains received over January were welcomed but have done little to replenish critically low ponds with many producers continuing to haul water.



RESERVOIR STORAGE

- 12 major reservoirs are currently operating at less than full capacity (compared to 15 four weeks ago).
- 6 reservoirs have experienced lake level decreases.

Storage in Selected Oklahoma Lakes & Reservoirs					
February 7, 2012					
Lake or Reservoir	Normal Pool Elevation (feet)	Previous Elevation 1/10/2012 (feet)	Current Elevation 2/7/2012 (feet)	Change in Elevation (feet)	Current Flood Control Storage (acre-feet)
North Central					
Fort Supply	2004.00	2001.77	2003.82	2.05	(297)
Great Salt Plains	1125.00	1125.10	1126.37	1.27	14,195
Kaw*	1011.90	1013.14	1015.37	2.23	60,404
Northeast					
Birch	750.50	742.09	742.14	0.05	(7,711)
Copan	710.00	710.77	711.25	0.48	5,749
Fort Gibson	554.00	554.36	555.08	0.72	20,900
Grand*	742.00	742.02	742.00	(0.02)	0
Hudson	619.00	619.49	619.74	0.25	8,228
Hulah	733.00	733.92	735.22	1.30	7,707
Keystone	723.00	723.59	726.50	2.91	37,514
Oologah	638.00	637.66	637.87	0.21	(3,675)
Skiatook	714.00	701.14	700.94	(0.20)	(116,673)
West Central					
Canton	1615.40	1603.82	1604.82	1.00	(65,001)
Foss	1642.00	1635.53	1635.37	(0.16)	(40,998)
Central					
Arcadia	1006.00	1006.35	1006.41	0.06	791
Heyburn	761.50	761.55	761.91	0.36	272
Thunderbird	1039.00	1033.92	1034.05	0.13	(27,597)
East Central					
Eufaula	585.00	583.54	585.81	2.27	74,228
Tenkiller	632.00	632.52	633.66	1.14	22,426
Southwest					
Fort Cobb	1342.00	1338.37	1338.60	0.23	(11,991)
Lugert-Altus	1559.00	1532.03	1531.92	(0.11)	(109,929)
Tom Steed	1411.00	1404.27	1404.02	(0.25)	(38,364)
South Central					
Arbuckle	872.00	867.47	868.61	1.14	(7,670)
McGee Creek**	175.90	174.52	176.91	2.39	13,090
Texoma*	615.30	613.14	615.86	2.72	37,767
Waurika	951.40	945.62	945.43	(0.19)	(53,647)
Southeast					
Broken Bow*	599.50	599.56	605.66	6.10	94,833
Hugo*	404.50	406.37	411.61	5.24	111,477
Pine Creek	433.00	433.31	438.67	5.36	19,260
Sardis	599.00	599.31	600.05	0.74	14,363
Wister	478.00	478.41	491.79	13.38	139,486

* indicates seasonal pool operation

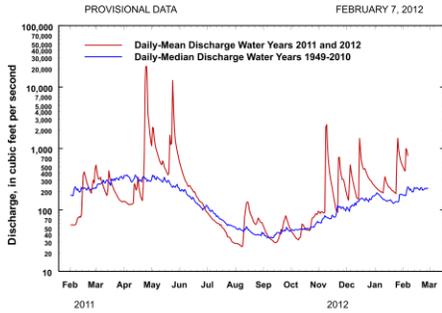
** elevation in meters

negative numbers in red, parentheses

STREAMFLOW CONDITIONS

Baron Fork at Eldon

Baron Fork at Eldon, Oklahoma
 Station No. 07197000 Northeast Oklahoma
 Drainage Area 307 square miles

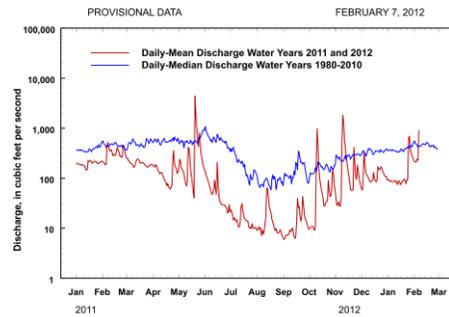


Comparison of daily discharges for water year 2011 and 2012 and period of record

Data from U.S. Geological Survey

Canadian River at Purcell

Canadian River at Purcell, Oklahoma
 Station No. 07229200 Central Oklahoma
 Drainage Area 25,939 square miles

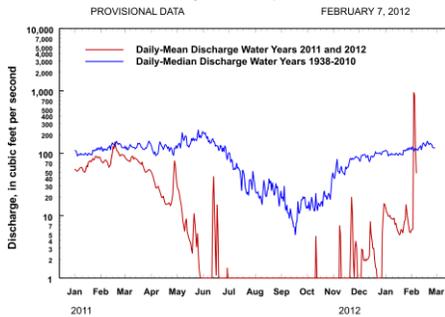


Comparison of daily discharges for water years 2011 and 2012 and period of record

Data from U.S. Geological Survey

Cimarron River near Waynoka

Cimarron River near Waynoka, Oklahoma
 Station No. 07158000 Northwest Oklahoma
 Drainage Area 13,334 square miles

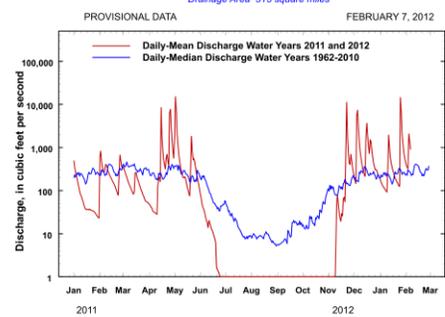


Comparison of daily discharges for water years 2011 and 2012 and period of record

Data from U.S. Geological Survey

Glover River near Glover

Glover River near Glover, Oklahoma
 Station No. 07337900 Southeast Oklahoma
 Drainage Area 315 square miles

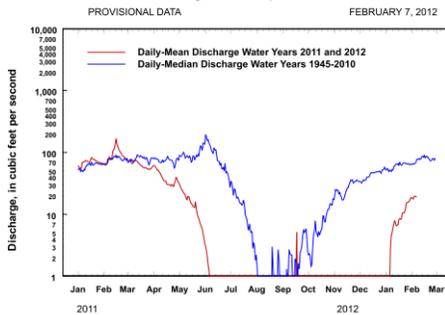


Comparison of daily discharges for water years 2011 and 2012 and period of record

Data from U.S. Geological Survey

North Fork of the Red River near Carter

North Fork of the Red River near Carter, Oklahoma
 Station No. 07301500 Southwest Oklahoma
 Drainage Area 2,337 square miles

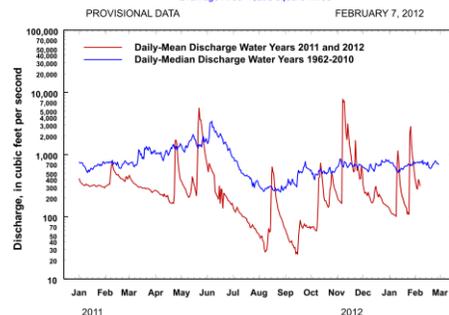


Comparison of daily discharges for water years 2011 and 2012 and period of record

Data from U.S. Geological Survey

Washita River near Dickson

Washita River near Dickson, Oklahoma
 Station No. 07331000 South-Central Oklahoma
 Drainage Area 7,202 square miles



Comparison of daily discharges for water years 2011 and 2012 and period of record

Data from U.S. Geological Survey



Water Bulletin information/data courtesy of National Weather Service, Climate Prediction Center, Oklahoma Climatological Survey, State Department of Agriculture, Food, and Forestry, Agricultural Statistics Service, U.S. Army Corps of Engineers, U.S. Department of Agriculture/Forest Service, U.S. Geological Survey, Western Drought Coordination Council, and National Drought Mitigation Center. For more information, visit www.owrb.ok.gov and www.mesonet.org.