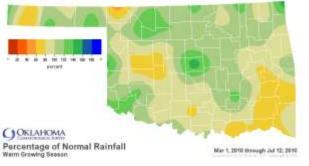
Oklahoma Water Resources Bulletin & Summary of Current Conditions

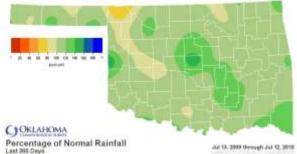


July 15, 2010

PRECIPITATION

Statewide Precipitation									
	Warm Growing Season March 1 – July 12, 2010				Last 365 Days July 13, 2009 – July 12, 2010				
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	10.44"	-0.32"	97%	37th wettest	21.11"	+0.01"	100%	37th wettest	
North Central	17.25"	+1.79"	112%	18th wettest	33.68"	+2.03"	106%	24th wettest	
Northeast	20.27"	+1.28"	107%	26th wettest	47.41"	+5.44"	113%	20th wettest	
West Central	12.59"	-1.99"	86%	42nd driest	30.63"	+1.54"	105%	20th wettest	
Central	20.03"	+2.07"	112%	19th wettest	45.66"	+7.67"	120%	8th wettest	
East Central	18.98"	-1.35"	93%	45th wettest	50.89"	+4.80"	110%	19th wettest	
Southwest	15.01"	+0.10"	101%	36th wettest	33.34"	+2.54"	108%	15th wettest	
South Central	17.34"	-1.19"	94%	42nd wettest	45.82"	+4.86"	112%	16th wettest	
Southeast	16.10"	-5.32"	75%	20th driest	58.86"	+7.92"	116%	14th wettest	
Statewide	16.70"	-0.30"	98%	37th wettest	40.91"	+4.22"	111%	18th wettest	

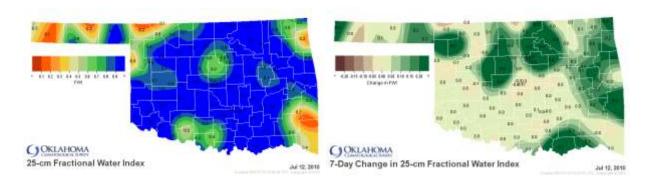




SOIL MOISTURE

Fractional Water Index¹ July 12, 2010

25 CM (~10 INCHES)



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. Specifically, 1.0 to 0.8 equals Enhanced Growth, 0.8 to 0.5 equals Limited Growth, 0.5 to 0.3 equals Plants Wilting, 0.3 to 0.1 equals Plants Dying, and less than 0.1 equals Barren Soil.

DROUGHT INDICES

Palmer Drought Severity Index ¹					Standardized Precipitation Index ² Through June 2010			
CLIMATE	CURRENT STATUS	VALUE		CHANGE	3-Month	6-Month	9-Month	12-Молтн
DIVISION	7/10/2010	7/10	6/12	IN VALUE	3-MONIH	o-MONIH	7-MONIH	12-MONTH
Northwest	MOIST SPELL	1.49	1.81	-0.32	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL
North Central	VERY MOIST SPELL	3.09	2.26	0.83	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL
Northeast	INCIPIENT MOIST SPELL	0.94	0.31	0.63	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	MODERATELY WET
West Central	INCIPIENT MOIST SPELL	0.91	0.30	0.61	MODERATELY DRY	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL
Central	UNUSUAL MOIST SPELL	2.39	0.40	1.99	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	MODERATELY WET
East Central	NEAR NORMAL	-0.10	-1.18	1.08	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL
Southwest	MOIST SPELL	1.52	-1.38	2.90	MODERATELY DRY	MODERATELY DRY	MODERATELY DRY	NEAR NORMAL
South Central	NEAR NORMAL	-0.08	-0.58	0.50	MODERATELY DRY	MODERATELY DRY	NEAR NORMAL	NEAR NORMAL
Southeast	MILD DROUGHT	-1.23	-0.56	-0.67	MODERATELY DRY	NEAR NORMAL	NEAR NORMAL	MODERATELY WET

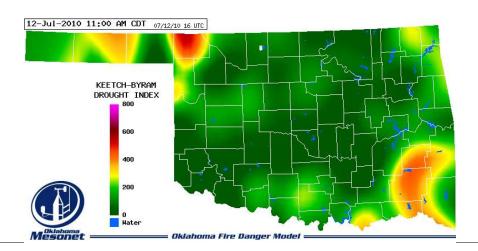
- One climate division is currently experiencing drought conditions, according to the PDSI.
- Two climate divisions have undergone PDSI moisture decreases since June 12.
- Four climate divisions are experiencing near long-term dry conditions, according to the SPI.

Keetch-Byram Drought Fire Index³

MESONET STATION	COUNTY	CLIMATE DIVISION	CURRENT VALUE 7/12/2010
Buffalo	Harper	Northwest	514
Talihina	LeFlore	Southeast	497
Cloudy	Pushmataha	Southeast	447

• Stations currently at or above 600 (July 12) = 0

Stations above 600 on June 14 = 0



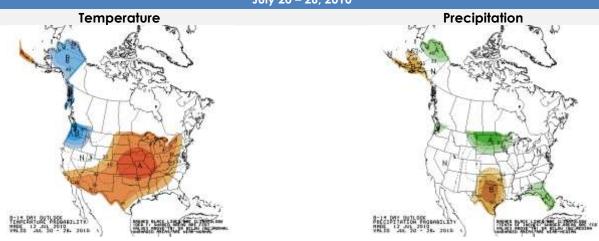
² The Standardized Precipitation Index, more sensitive than the PDSI, provides a comparison of precipitation over a specified period with precipitation totals from that same period for all years included in the historical record. The 3-month SPI provides a seasonal estimation of precipitation while the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

¹ The Palmer Drought Severity Index, the first comprehensive drought index developed in the United States, is calculated based on 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.

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.

WEATHER/DROUGHT FORECAST

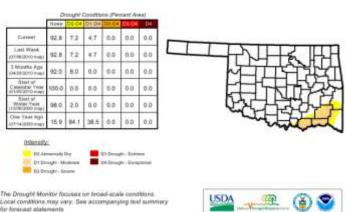
8- to 14-Day Outlook July 20 – 26, 2010



Regional Drought Summary & Outlook

U.S. Drought Monitor

July 13, 2010

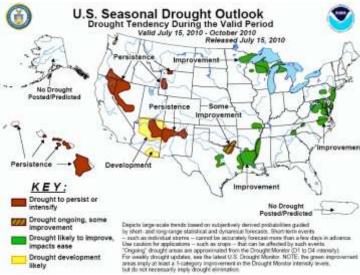


July 13 – The latest U.S. Drought Monitor reports that during the past week heavy rain (2 inches or more) fell across much of eastern and southern Oklahoma, northern, central, and southeastern Texas, northern Arkansas, and portions of Louisiana. Even with this beneficial rainfall, it is unclear as to what significant improvements can be made in the drought depiction at this time, and a reassessment of conditions will be made next week for possible modifications. In the west, only light shower activity was reported over portions of the northern and central Rockies. No changes have been made to the regional drought depiction this week. Light to moderate showers (up to an inch) fell over central and southeastern Arizona, with a few spotty locations receiving between 1.5 and 2.5 inches of precipitation. Monsoonal showers and thunderstorms are gradually increasing in coverage across both Arizona and New Mexico. About a dozen sites in New Mexico, mostly in the southern part of the state, reported rainfall amounts in excess of 2 inches.

the forecast statements

http://drought.unil.edu/dm Released Thursday, July 15, 2010

According to the Drought Outlook (July 15), hot, dry weather has led to drought development for the lower Mississippi Valley and parts of northern Texas. Improvement is forecast by the end October, but no relief is expected during the latter half of July. Since the beginning of June, major drought improvement has occurred across the upper Mississippi Valley and Great Lakes region. Improvement is likely to continue. The southwest monsoon that typically peaks during August has started weakly. Most tools on the monthly and seasonal time scales indicate a tilt in the odds for below median rainfall. Therefore, persistence or development is forecast for Arizona and New Mexico.



CROP REPORT

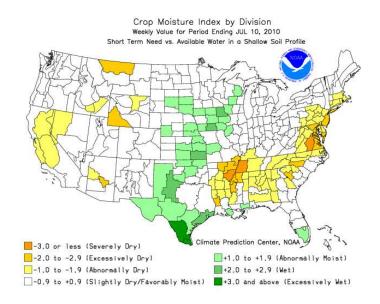
July 12, 2010 – Heavy rains and flash flooding returned to Oklahoma this week, providing needed moisture for most of the state, but resulting in dangerous conditions in some areas. Hobart received 10.94 inches of rain for the week, most of which fell on Monday. Despite extensive rainfall in some areas of the state, there were still parts of the Panhandle and southeast in need of additional moisture. Flood damage to crops was reported for 17 percent of the state, with 11 percent light and six percent moderate damage. Topsoil and subsoil conditions were rated in the adequate to surplus range with 32 percent of topsoil conditions rated surplus and 20 percent of subsoil conditions rated surplus. Average temperatures remained in the mid-to high-70's. Rainfall allowed only 2.5 days suitable for field work.

Rainfall limited field work and slowed the completion of wheat harvest. Wheat harvested reached 92 percent complete, an increase of only two points from the previous week, and two points behind normal. Sixty percent of wheat ground was plowed by week's end. Oats harvested was virtually complete by week's end. Sixty percent of both rye and oats were plowed by Sunday.

Crop conditions improved slightly from the week prior due to the ample rainfall which also provided for considerable crop progress. Corn silking reached 82 percent complete, a 29 point increase from the week prior and nineteen points ahead of normal. Virtually all sorghum was emerged by Sunday, 19 points ahead of the five-year average. Sorghum headed reached 16 percent complete, seven points ahead of normal. Virtually all soybeans were emerged by week's end, 15 points ahead of normal, while 21 percent of the crop had bloomed, a 14 point increase from the week prior. Peanuts pegging reached 60 percent complete by week's end and 18 percent of the plants were setting pods. Cotton squaring increased substantially to reach 74 percent complete, 23 points ahead of the five-year average. Eighteen percent of the cotton crop was setting bolls by week's end. Ninety-four percent of watermelons were setting fruit by week's end, six points ahead of normal. Harvest began with five percent complete, well behind the five-year average.

Both alfalfa and other hay conditions continue to be rated mostly in the good to fair range, however, rainfall limited the cutting of hay and little progress was made. A third cutting of alfalfa was 42 percent complete by week's end. First cuttings of other hay remained at 77 percent complete.

Pasture and range conditions were rated mostly in the good to fair range, with 14 percent rated excellent. Livestock conditions rated mostly in the good to fair range with 11 percent rated excellent.



RESERVOIR STORAGE

- 7 reservoirs are currently operating at less than full capacity (compared to 10 four weeks ago).
- 14 reservoirs have experienced lake level decreases.

Lake or Reservoir	Normal Pool Elevation	Previous Elevation 06/16/2010	Current Elevation 07/13/2010	Change in Elevation	Current Flood Control Storage
Lake of Reservoir	(feet)	(feet)	07/13/2010 (feet)	(feet)	(acre-feet)
North Central	Песп	пеен	Heen	Песп	(ucre-leen
Fort Supply	2004.00	2004.53	2005.18	0.65	2,237
Great Salt Plains	1125.00	1126.91	1126.40	(0.51)	12,194
Kaw*	1013.00	1025.55	1022.17	(3.38)	191,293
Northeast					
Birch	750.50	755.76	751.22	(4.54)	832
Copan	710.00	714.69	717.94	3.25	47,972
Fort Gibson	554.00	552.65	557.37	4.72	68,192
Grand*	744.00	744.97	745.70	0.73	78,901
Hudson	619.00	620.71	621.72	1.01	30,900
Hulah	733.00	743.40	740.80	(2.60)	40,469
Keystone*	723.00	733.49	725.27	(8.22)	43,969
Oologah*	638.00	645.26	646.24	0.98	292,679
Skiatook	714.00	717.78	715.51	(2.27)	16,519
West Central	711.00	717.70	710.01	(2.27)	10,017
Canton	1615.40	1615.74	1616.00	0.26	5,589
Foss	1642.00	1641.90	1642.10	0.20	690
Central	1012.00	1011.70	1012.10	0.20	070
Arcadia	1006.00	1022.28	1006.56	(15.72)	1,042
Heyburn	761.50	769.62	762.24	(7.38)	713
Thunderbird	1039.00	1039.79	1040.46	0.67	9,090
East Central	1037.00	1037.77	1040.40	0.07	7,070
Eufaula*	585.00	586.97	588.55	1.58	361,882
Tenkiller	632.00	632.81	633.24	0.43	16,244
Southwest	032.00	032.01	033.24	0.43	10,244
Fort Cobb	1342.00	1341.98	1343.60	1.62	/ 222
Lugert-Altus	1559.00	1553.37	1555.03	1.66	6,333 (23,419)
Tom Steed	1411.00	1406.75	1410.62	3.87	
	1411.00	1406./3	1410.62	3.07	(2,383)
South Central	070.00	072.77	070.04	(0.00)	1 000
Arbuckle	872.00	873.76	872.84	(0.92)	1,999
McGee Creek**	175.90	176.00	176.53	0.53	8,130
Texoma* Waurika*	619.00 951.40	618.29	618.69	0.40 0.36	(23,837)
	951.40	951.93	952.29	0.36	9,126
Southeast	/00.50	/00 00	100 71	(1.00)	(05.510)
Broken Bow*	602.50	602.03	600.74	(1.29)	(25,513)
Hugo*	406.00	405.03	404.46	(0.57)	(30,296)
Pine Creek*	438.00	437.97	437.01	(0.96)	(3,613)
Sardis	599.00	598.94	598.70	(0.24)	(4,017)
Wister	478.00	478.16	478.09	(0.07)	569

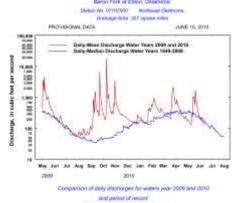
^{*} indicates seasonal pool operation

negative numbers in red, parentheses

^{**} elevation in meters

STREAMFLOW CONDITIONS



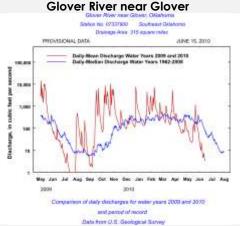


Cimarron River near Waynoka



North Fork of the Red River near Carter





2010

Companion of daily discharges for water years 2009 and 2010

and period of resort is from U.S. Geological Sc

Canadian River at Purcell

Washita River near Dickson





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.