

## Storm Data and Unusual Weather Phenomena - October 2006

<u>Location</u>	<u>Date/Time</u>	<u>Deaths &amp; Injuries</u>	<u>Property &amp; Crop Dmg</u>	<u>Event Type and Details</u>
<b>OKLAHOMA, Western, Central and Southeast</b>				
HARPER (OK-Z004), WOODS (OK-Z005), ALFALFA (OK-Z006), GRANT (OK-Z007), KAY (OK-Z008), ELLIS (OK-Z009), WOODWARD (OK-Z010), MAJOR (OK-Z011), GARFIELD (OK-Z012), NOBLE (OK-Z013), ROGER MILLS (OK-Z014), DEWEY (OK-Z015), CUSTER (OK-Z016), BLAINE (OK-Z017), KINGFISHER (OK-Z018), LOGAN (OK-Z019), PAYNE (OK-Z020), BECKHAM (OK-Z021), WASHITA (OK-Z022), CADDO (OK-Z023), CANADIAN (OK-Z024), OKLAHOMA (OK-Z025), LINCOLN (OK-Z026), GRADY (OK-Z027), MCCLAIN (OK-Z028), CLEVELAND (OK-Z029), POTTAWATOMIE (OK-Z030), SEMINOLE (OK-Z031), HUGHES (OK-Z032), STEPHENS (OK-Z039), GARVIN (OK-Z040), MURRAY (OK-Z041), PONTOTOC (OK-Z042), COAL (OK-Z043), COTTON (OK-Z044), JEFFERSON (OK-Z045), CARTER (OK-Z046), JOHNSTON (OK-Z047), ATOKA (OK-Z048), LOVE (OK-Z050), MARSHALL (OK-Z051), BRYAN (OK-Z052)				

10/01/06 00:00 CST	0	20K	Drought
10/31/06 23:59 CST	0	500K	

Despite some rainfall the drought continued across much of western and central Oklahoma during October. The area was under severe to exceptional (D2-D4) drought conditions throughout the month. The worst conditions were in south central and southeast Oklahoma where drought conditions were in the extreme to exceptional (D3-D4) drought categories. Drought conditions worsened in northern Oklahoma as the month progressed. The drought was severe (D2) at the beginning of the month but conditions deteriorated to extreme (D3) at the end of the month.

The drought continued to affect the agriculture industry during October. Focus was shifting from the damaged summer crops to the planting of the winter wheat crop. Experts and farmers were concerned that this winter crop would be greatly affected, just as last winter's crop, due to the lack of moisture just after planting that would allow the seed to establish before the cold temperatures arrive. The lack of pasture and a substantial hay crop also continued to affect farmers and ranchers. Farm ponds continued to dry up or remain dry. Farmers and ranchers continued to sell part or all of their livestock herds due to the lack of adequate water and food. The drought adversely affecting the agriculture industry led to concerns in the banking and insurance industries due to lack of money to pay loans, paying crop insurance claims, etc.

The recreational industry also continued to be affected by the dry conditions. Lake levels remained low keeping many boat docks and ramps on dry land. Boating accidents occurred on some lakes due to the lake beds and debris at the bottom of the lakes being closer to the surface. Hunting activities were also hit by the drought. The dry conditions have affected the habitats of wildlife with fewer animals prospering in the region.

Many communities continued voluntary or mandatory water rationing programs. The drought combined with warm temperatures also helped to increase the potential for wildfires across the area. However, some rainfall led to enough improvement in some counties for a burn ban on outdoor burning to be lifted.

### COTTON COUNTY

NORTH CENTRAL PORTION	10/16/06 01:30 CST	0	0	Flood (due to Heavy Rain)
SOUTH CENTRAL PORTION	10/16/06 15:45 CST	0	0	34.4N, 98.38W ~ 34.15N, 98.37W

In southwestern Oklahoma, rainfall totals of 3 to 4 inches over Cotton County generated heavy runoff and East Cache Creek experienced a crest above flood stage on October 16. A crest occurred at 8:00 am CST on October 16 as East Cache Creek reached a gage height of 22.3 feet, 1.3 feet above flood stage, and remained above flood stage from 1:30 am CST until 3:45 pm CST on October 16. Minor agricultural flooding occurred during this event.

### COTTON COUNTY

SOUTH PORTION	10/17/06 06:00 CST	0	0	Flood (due to Heavy Rain)
	10/19/06 00:00 CST	0	0	34.18N, 98.38W

Storm total precipitation amounts of 3 to 7 inches over western north Texas and southwestern Oklahoma generated heavy runoff along the Red River mainstem and its tributaries, and produced minor flooding along the Red River in the vicinity of Burkburnett, TX on October 17-19. The Red River crested at 10.5 feet, 1.5 feet above flood stage, at 9:00 am CST on October 18, and remained above flood stage from approximately 6:00 am CST on October 17 until 12:00 am CST on October 19. Low-lying areas and agricultural lands along the Red River were inundated during this period.

### JEFFERSON COUNTY

SOUTH PORTION	10/17/06 06:00 CST	0	0	Flood (due to Heavy Rain)
	10/19/06 00:00 CST	0	0	34N, 97.83W

Storm total precipitation amounts of 3 to 7 inches over western north Texas and southwestern Oklahoma generated heavy runoff along the Red River mainstem and its tributaries, and produced minor flooding along the Red River in the vicinity of Burkburnett, TX on October 17-19. The Red River crested at 10.5 feet, 1.5 feet above flood stage, at 9:00 am CST on October 18, and remained above flood stage from approximately 6:00 am CST on October 17 until 12:00 am CST on October 19. Low-lying areas and agricultural lands along the Red River were inundated during this period.

### TILLMAN COUNTY

SOUTH PORTION	10/17/06 06:00 CST	0	0	Flood (due to Heavy Rain)
	10/19/06 00:00 CST	0	0	34.25N, 98.9W

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Storm total precipitation amounts of 3 to 7 inches over western north Texas and southwestern Oklahoma generated heavy runoff along the Red River mainstem and its tributaries, and produced minor flooding along the Red River in the vicinity of Burkburnett, TX on October 17-19. The Red River crested at 10.5 feet, 1.5 feet above flood stage, at 9:00 am CST on October 18, and remained above flood stage from approximately 6:00 am CST on October 17 until 12:00 am CST on October 19. Low-lying areas and agricultural lands along the Red River were inundated during this period.				

**A strong, slow-moving storm system drenched southwestern and south central Oklahoma with rainfall amounts of 3 to 6 inches during a three-day period on October 14-17. The heavy rains produced flooding along the East Cache Creek in Cotton County on October 16, and along the Red River mainstem near Burkburnett, TX on October 17-19.**

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### ROGER MILLS (OK-Z014)

10/27/06 02:40 CST	0	0	High Wind (MAX 50 kt)
10/27/06 02:45 CST	0	0	

**A strong cold front moved through the region on October 27, 2006. Winds behind the front became strong and shifted to the north and northwest. Wind gusts mainly ranged from 30 to 43 knots (35-50 mph). However, the Oklahoma mesonet station 6 miles southwest of Cheyenne in Roger Mills county measured a wind gust of 50 knots (58 mph) during the early morning hours. No damage was reported.**

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### TILLMAN (OK-Z037)

10/30/06 20:28 CST	0	0	High Wind (MAX 57 kt)
10/30/06 20:33 CST	0	0	

**An area of showers and thunderstorms moved from west Texas into southwest Oklahoma on the evening of October 30. As this precipitation weakened, a heatburst was produced causing wind gusts ranging from mainly 35 to 43 knots (40 to 50 mph). However, the KFDR ASOS station 4 miles southeast of Frederick in Tillman county measured a gust of 57 knots (66 mph). No damage was reported.**

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## TEXAS, Western North

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### KNOX COUNTY

NORTH PORTION	10/15/06 02:30 CST	0	0	Flood (due to Heavy Rain)
	10/16/06 22:00 CST	0	0	33.7N, 99.73W

A moderate flood crest occurred along the South Wichita River in Knox County near Benjamin, TX on October 15-17. The South Wichita River crested at 15.9 feet, 3.9 feet above flood stage, at 7:00 am CST on October 16, and remained above flood stage from 2:30 am CST on October 15 to 10:00 pm CST on October 16. Flooding of agricultural lands along the river in Knox County occurred during this event.

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### BAYLOR COUNTY

NORTHWEST PORTION	10/15/06 09:00 CST	0	0	Flood (due to Heavy Rain)
	10/18/06 19:00 CST	0	0	33.68N, 99.33W

Three moderate flood crests occurred along the Wichita River in northwestern Baylor County near Seymour, TX and upstream of Lake Kemp on October 15-18. The Wichita River initially crested at 16.4 feet, 3.4 feet above flood stage, at 4:15 pm CST on October 15, with a higher, secondary crest occurring at 2:30 pm on October 16 as the Wichita River crested at 16.5 feet, or 3.5 feet above flood stage. A third crest of 16.3 feet, 3.3 feet above flood stage, occurred on October 18 at 6:30 am CST. The Wichita River remained above flood stage from 9:00 am CST on October 15 until 7:00 pm CST on October 18. Flooding of agricultural lands along the river occurred during this event.

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### WICHITA COUNTY

NORTHWEST PORTION	10/15/06 09:30 CST	0	0	Flash Flood (due to Heavy Rain)
	10/15/06 12:30 CST	0	0	34.05N, 98.83W

Heavy rains during the late evening of October 14 and morning of October 15 produced heavy runoff and flash flooding along China Creek in northwestern Wichita County near Haynesville, TX during the late morning and early afternoon of October 15. At 1030 AM CST, the Texas Department of Transportation reported that Texas State Highway 25 was closed about 0.5 miles south of Haynesville due to floodwaters from China Creek. In addition, Texas State Highway 240 was closed by floodwaters from China Creek about 0.5 miles east of Haynesville.

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### WICHITA COUNTY

SOUTHWEST PORTION	10/15/06 14:00 CST	0	0	Flood (due to Heavy Rain)
	10/17/06 23:45 CST	0	0	33.9N, 98.83W

Moderate flooding occurred along Beaver Creek in southern Wilbarger and southwestern Wichita counties on October 15-17. Storm total precipitation amounts of 3 to 6 inches kept Beaver Creek in flood for over 2 days. Beaver Creek crested at 27.4 feet, 3.4 feet above flood stage, at 8:30 am CST on October 16, and remained above flood stage from 2:00 pm CST on October 15 until 11:45 pm CST on October 17. Some secondary roads and agricultural lands near the creek were inundated during this period.

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### WILBARGER COUNTY

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SOUTH PORTION	10/15/06 14:00 CST	0	0	Flood (due to Heavy Rain)
	10/17/06 23:45 CST	0	0	33.92N, 99.22W
Moderate flooding occurred along Beaver Creek in southern Wilbarger and southwestern Wichita counties on October 15-17. Storm total precipitation amounts of 3 to 6 inches kept Beaver Creek in flood for over 2 days. Beaver Creek crested at 27.4 feet, 3.4 feet above flood stage, at 8:30 am CST on October 16, and remained above flood stage from 2:00 pm CST on October 15 until 11:45 pm CST on October 17. Some secondary roads and agricultural lands near the creek were inundated during this period.				
<b>HARDEMAN COUNTY</b>				
NORTH PORTION	10/15/06 21:00 CST	0	0	Flood (due to Heavy Rain)
	10/17/06 08:00 CST	0	0	34.35N, 99.77W
Storm total precipitation amounts of 5 to 7 inches produced rural flooding along Groesbeck Creek near Quanah, TX in northern Hardeman County on October 15-17. Groesbeck Creek crested at 20.0 feet, 6.0 feet above flood stage, at approximately 6:00 am CST on October 16, and remained above flood stage from 9:00 pm CST on October 15 until 8:00 am CST on October 17.				
<b>FOARD COUNTY</b>				
SOUTH PORTION	10/16/06 01:00 CST	0	0	Flood (due to Heavy Rain)
	10/17/06 21:00 CST	0	0	33.85N, 99.75W
A moderate flood crest occurred along the North Wichita River near Truscott, TX in northern Knox and southern Foard counties on October 16-17. The North Wichita River crested at 18.3 feet, 4.3 feet above flood stage, at 6:30 pm CST on October 16, and remained above flood stage from 1:00 am CST on October 16 to 9:00 pm CST on October 17. Flooding of agricultural lands along the river occurred during this event.				
<b>KNOX COUNTY</b>				
NORTH PORTION	10/16/06 01:00 CST	0	0	Flood (due to Heavy Rain)
	10/17/06 21:00 CST	0	0	33.7N, 99.73W
A moderate flood crest occurred along the North Wichita River near Truscott, TX in northern Knox and southern Foard counties on October 16-17. The North Wichita River crested at 18.3 feet, 4.3 feet above flood stage, at 6:30 pm CST on October 16, and remained above flood stage from 1:00 am CST on October 16 to 9:00 pm CST on October 17. Flooding of agricultural lands along the river occurred during this event.				
<b>FOARD COUNTY</b>				
NORTH PORTION	10/16/06 20:45 CST	0	0	Flood (due to Heavy Rain)
	10/17/06 06:45 CST	0	0	34.02N, 99.8W
Storm total precipitation amounts of 4 to 7 inches over the Pease River basin in western north Texas generated minor rural flooding on the Pease River along the Hardeman/Foard county line and in Wilbarger County on October 16-17. The Pease River crested at 16.1 feet, 1.1 feet above flood stage, at 2:45 am CST on October 17, and remained above flood stage from 8:45 pm CST on October 16 until 6:45 am CST on October 17. This was the first crest above flood stage since June 3, 2000, and the highest crest since July 11, 1999, when the Pease River crested at a stage of 18.4 feet.				
<b>HARDEMAN COUNTY</b>				
SOUTH PORTION	10/16/06 20:45 CST	0	0	Flood (due to Heavy Rain)
	10/17/06 06:45 CST	0	0	34.13N, 99.72W
Storm total precipitation amounts of 4 to 7 inches over the Pease River basin in western north Texas generated minor rural flooding on the Pease River along the Hardeman/Foard county line and in Wilbarger County on October 16-17. The Pease River crested at 16.1 feet, 1.1 feet above flood stage, at 2:45 am CST on October 17, and remained above flood stage from 8:45 pm CST on October 16 until 6:45 am CST on October 17. This was the first crest above flood stage since June 3, 2000, and the highest crest since July 11, 1999, when the Pease River crested at a stage of 18.4 feet.				
<b>WILBARGER COUNTY</b>				
WEST CENTRAL PORTION	10/16/06 20:45 CST	0	0	Flood (due to Heavy Rain)
NORTH CENTRAL PORTION	10/17/06 06:45 CST	0	0	34.07N, 99.42W ~ 34.18N, 99.2W
Storm total precipitation amounts of 4 to 7 inches over the Pease River basin in western north Texas generated minor rural flooding on the Pease River along the Hardeman/Foard county line and in Wilbarger County on October 16-17. The Pease River crested at 16.1 feet, 1.1 feet above flood stage, at 2:45 am CST on October 17, and remained above flood stage from 8:45 pm CST on October 16 until 6:45 am CST on October 17. This was the first crest above flood stage since June 3, 2000, and the highest crest since July 11, 1999, when the Pease River crested at a stage of 18.4 feet.				
<b>CLAY COUNTY</b>				
NORTH PORTION	10/17/06 06:00 CST	0	0	Flood (due to Heavy Rain)
	10/19/06 00:00 CST	0	0	33.93N, 98.2W

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### **WICHITA COUNTY**

NORTH PORTION	10/17/06 06:00 CST	0	0	Flood (due to Heavy Rain)
	10/19/06 00:00 CST	0	0	34.05N, 98.68W

Storm total precipitation amounts of 3 to 7 inches over western north Texas and southwestern Oklahoma generated heavy runoff along the Red River mainstem and its tributaries, and produced minor flooding along the Red River in the vicinity of Burkburnett, TX on October 17-19. The Red River crested at 10.5 feet, 1.5 feet above flood stage, at 9:00 am CST on October 18, and remained above flood stage from approximately 6:00 am CST on October 17 until 12:00 am CST on October 19. Low-lying areas and agricultural lands along the Red River were inundated during this period.

**A strong, slow-moving storm system drenched western north Texas with rainfall amounts of 3 to 8+ inches during a two-day period on October 14-16. The heavy rains produced flash flooding in northwestern Wichita County on October 15, and river flooding along several rivers and creeks in the region on October 15-19 including the Red River mainstem.**