

Storm Data and Unusual Weather Phenomena - February 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ARKANSAS, Northwest

(AR-Z002) CARROLL, (AR-Z010) WASHINGTON, (AR-Z011) MADISON, (AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

02/01/18 00:00 CST	0	Drought
02/27/18 06:00 CST	0	

Severe drought (D2) conditions continued across much of northwestern and west central Arkansas through mid February. An active weather pattern began across the area on February 16th and continued for over a week, resulting in multiple rain events across the region. Several of these events were significant. Due to these late-month rains, total monthly rainfall from six to ten inches occurred across all of northwestern and west central Arkansas. The normal average rainfall for February across this region is around three inches. The excessive rainfall resulted in much improved drought conditions by the end of February.

SEBASTIAN COUNTY --- 0.5 NNE BEVERLY [35.39, -94.10], 0.6 NE BEVERLY [35.39, -94.09], 0.5 ENE BEVERLY [35.38, -94.09], 0.2 NE BEVERLY [35.38, -94.10]

02/21/18 10:00 CST	0	Flash Flood (due to Heavy Rain)
02/21/18 12:00 CST	0	Source: Emergency Manager

Portions of Highway 252 were flooded and closed at Onion Creek.

MADISON COUNTY --- 1.9 WSW COMBS [35.80, -93.86], 2.3 SSW BOSTON [35.80, -93.61], 2.4 WSW REYNOLDS [35.95, -93.64], 2.8 WNW WITTER [35.95, -93.72]

02/21/18 12:00 CST	50K	Flash Flood (due to Heavy Rain)
02/21/18 14:00 CST	0	Source: Emergency Manager

Locally heavy rainfall resulted in flooding that damaged portions of county roads.

Widespread showers and thunderstorms developed across much of northwestern Arkansas on the 20th as a cold front moved through the region. A very moist air mass in place ahead of the cold front promoted the development of heavy rainfall from some of this activity. Widespread two to four inches of rain fell across much of northwestern Arkansas through the morning hours of the 21st, with nearly four inches occurring across portions of Sebastian, Franklin, and Madison Counties. This heavy rainfall resulted in some flash flooding.

BENTON COUNTY --- 3.8 N BELLA VISTA [36.49, -94.23], 2.6 WSW ROGERS MUNI ARPT [36.36, -94.16], 2.9 NNW GLADE [36.41, -93.93], 0.5 NW GATEWAY [36.49, -93.93]

02/24/18 03:00 CST	0	Flash Flood (due to Heavy Rain)
02/24/18 09:30 CST	0	Source: Emergency Manager

Heavy rainfall resulted in the flooding of portions of numerous roads across northern Benton County.

Widespread showers and thunderstorms to the north of a stalled frontal boundary produced locally heavy rainfall across much of northwestern Arkansas on the 23rd and 24th. Portions of Benton County received between 2.5 and 5 inches of rain, which resulted in some flash flooding.

OKLAHOMA, Eastern

(OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z059) PAWNEE, (OK-Z062) MAYES, (OK-Z063) DELAWARE, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

02/01/18 00:00 CST	0	Drought
02/28/18 23:59 CST	0	

Severe drought (D2) conditions continued across much of eastern Oklahoma through mid February. An active weather pattern began across the area on February 16th and continued for over a week, resulting in multiple rain events across the region. Several of these events were significant. Due to these late-month rains, total monthly rainfall from six to ten inches occurred across eastern Oklahoma generally along and south of I-44, with one to four inches occurring to the north of I-44. The normal average rainfall for February across this region is from around two inches in Osage and Pawnee Counties to around three inches in southeastern Oklahoma. The excessive rainfall that fell across much of the area during the latter part of the month resulted in much improved drought conditions by the end of February, with the exception of portions of Osage and Pawnee Counties, where severe drought conditions persisted through the end of the month. Monetary damage estimates due to the drought were not available.

(OK-Z062) MAYES

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	02/01/18 00:00 CST		0	Wildfire
	02/05/18 11:00 CST		0	

Unseasonably warm temperatures, strong gusty wind, low relative humidity, and drought-stricken, dormant vegetation promoted the rapid spread of several wildfires in eastern Oklahoma during late January. A wildfire burned over 300 acres in Mayes County on the 31st, which continued through February 5th before it was fully contained.

(OK-Z049) PUSHMATAHA, (OK-Z054) OSAGE

02/04/18 11:00 CST		0	Wildfire
02/07/18 08:00 CST		0	

Unseasonably warm temperatures, strong gusty wind, low relative humidity, and drought-stricken, dormant vegetation promoted the rapid spread of several wildfires in eastern Oklahoma during early February. Wildfires burned over 8000 acres in Osage County and over 600 acres in Pushmataha County.

ADAIR COUNTY --- 2.1 ESE STILLWELL ARPT [35.82, -94.59], 2.5 SE STILLWELL ARPT [35.81, -94.58], 4.1 ESE STILLWELL ARPT [35.81, -94.55], 3.0 ESE STILLWELL ARPT [35.82, -94.57]

02/21/18 12:00 CST	1	0	Flood (due to Heavy Rain)
02/21/18 14:00 CST		0	Source: Broadcast Media

A 53-year old man drove his vehicle into a flooded, low-water crossing about three miles east of Stillwell in Adair County, where he drowned.

Direct Fatalities: M53VE

Widespread showers and thunderstorms developed across much of eastern Oklahoma on the 20th as a cold front moved through the region. A very moist air mass in place ahead of the cold front promoted the development of heavy rainfall from some of this activity. Widespread two to five inches of rain fell across much of east central and southeastern Oklahoma through the morning hours of the 21st, which resulted in some flooding of low-lying areas as well as low water crossings.

MUSKOGEE COUNTY --- 1.5 NNE MUSKOGEE DAVIS ARPT [35.69, -95.36], 2.0 NE MUSKOGEE DAVIS ARPT [35.69, -95.34], 1.7 ENE MUSKOGEE DAVIS ARPT [35.68, -95.34], 0.7 ENE MUSKOGEE DAVIS ARPT [35.68, -95.36]

02/23/18 18:44 CST		0	Flash Flood (due to Heavy Rain)
02/24/18 00:30 CST		0	Source: Public

Portions of Gulick Street were flooded and impassable.

MCINTOSH COUNTY --- 1.0 E EUFAULA [35.28, -95.56], 0.4 E EUFAULA [35.28, -95.57], 0.7 ESE EUFAULA [35.27, -95.57], 1.5 ESE EUFAULA [35.28, -95.55]

02/23/18 20:15 CST		0	Flash Flood (due to Heavy Rain)
02/24/18 00:30 CST		0	Source: Public

Portions of several roads were reported flooded.

CHEROKEE COUNTY --- 4.1 ENE LOST CITY [36.00, -95.06], 2.9 W MOODYS [36.03, -95.00], 3.1 S MOODYS [35.98, -94.94], 2.0 NNW TAHLEQUAH ARPT [35.95, -95.01]

02/23/18 20:34 CST		0	Flash Flood (due to Heavy Rain)
02/24/18 03:30 CST		0	Source: Public

Portions of several roads were reported flooded northwest of Tahlequah.

MCINTOSH COUNTY --- 2.4 NNW CHECOTAH [35.46, -95.54], 1.1 SSW RENTIESVILLE [35.51, -95.51], 2.2 N SHADY GROVE [35.51, -95.43], 1.1 SW SHADY GROVE [35.47, -95.43]

02/23/18 21:50 CST		0.10M	Flash Flood (due to Heavy Rain)
02/24/18 00:30 CST		0	Source: Trained Spotter

Portions of several county roads were reported flooded, some of which were washed out.

MAYES COUNTY --- 1.2 NNW PRYOR [36.32, -95.33], 1.3 SW GREEN [36.37, -95.30], 1.7 WSW ADAIR [36.42, -95.30], 4.4 W ADAIR [36.42, -95.35], 3.5 NW PRYOR [36.33, -95.37]

02/24/18 09:41 CST		0	Flood (due to Heavy Rain)
02/24/18 21:00 CST		0	Source: Emergency Manager

Portions of several roads were flooded and impassable along Pryor Creek, west of Pryor and Adair.

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CHEROKEE COUNTY --- 5.0 NNW TAHLEQUAH [35.99, -95.00], 3.2 WSW MOODYS [36.01, -95.00], 4.0 WSW MOODYS [36.01, -95.02], 4.6 SW MOODYS [35.99, -95.02]				
	02/24/18 14:36 CST		25K	Flood (due to Heavy Rain)
	02/24/18 21:00 CST		0	Source: Public

A creek flooded cropland and a basement of a home.

Widespread showers and thunderstorms to the north of a stalled frontal boundary produced locally heavy rainfall across much of east central and northeastern Oklahoma on the 23rd and 24th. Areas of McIntosh, Muskogee, Cherokee and Mayes Counties received between 2.5 and 6 inches of rain, which resulted in some flash flooding.

LE FLORE COUNTY --- 1.3 SSE PANAMA [35.15, -94.66], 2.1 SE PANAMA [35.15, -94.64], 1.7 NNW TAHONA [35.19, -94.62], 1.6 NE COAL CREEK [35.19, -94.65]				
	02/23/18 19:30 CST		0	Flood (due to Heavy Rain)
	02/26/18 19:45 CST		0	Source: Official NWS Observations

The Poteau River near Panama rose above its flood stage of 29 feet at 7:30 pm CST on February 23rd. The river crested at 35.50 feet at 11:30 am CST on the 25th, resulting in moderate flooding. Some agricultural land was flooded and portions of county roads were impassable. The river fell below flood stage at 7:45 pm CST on the 26th.

ADAIR COUNTY --- 1.0 NE BALLARD [36.11, -94.56], 2.3 N WATTS [36.15, -94.56], 2.8 NW WATTS [36.15, -94.60], 1.7 W WATTS [36.12, -94.60]				
	02/24/18 04:30 CST		0	Flood (due to Heavy Rain)
	02/25/18 14:00 CST		0	Source: Official NWS Observations

The Illinois River near Watts rose above its flood stage of 13 feet at 4:30 am CST on February 24th. The river crested at 21.70 feet at 5:00 pm CST on the 24th, resulting in moderate flooding. Severe flooding occurred from the Arkansas border to Fidler's Bend, with numerous cabins and permanent campgrounds flooded. The river fell below flood stage at 2:00 pm CST on the 25th.

CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97], 1.1 ESE PARK HILL [35.86, -94.93], 4.0 SSE ELLERVILLE [35.98, -94.87], 3.2 SSE MOODYS [35.98, -94.94]				
	02/24/18 08:00 CST		0	Flood (due to Heavy Rain)
	02/26/18 10:45 CST		0	Source: Official NWS Observations

The Illinois River near Tahlequah rose above its flood stage of 11 feet at 8:00 am CST on February 24th. The river crested at 19.58 feet at 12:00 pm CST on the 25th, resulting in major flooding. Severe flooding occurred from near Hanging Rock to near Tahlequah where cabins and parks were severely flooded and portions of Highway 10 were impassable. The river fell below flood stage at 10:45 am CST on the 26th.

ADAIR COUNTY --- 1.5 WNW CHEWEY [36.11, -94.79], 1.8 SW CHEWEY [36.08, -94.79], 3.2 E CHEWEY [36.09, -94.71], 1.8 ENE CHEWEY [36.11, -94.74]				
	02/24/18 09:15 CST		0	Flood (due to Heavy Rain)
	02/25/18 19:30 CST		0	Source: Official NWS Observations

The Illinois River near Chewey rose above its flood stage of 12 feet at 9:15 am CST on February 24th. The river crested at 20.08 feet at 1:15 am CST on the 25th, resulting in major flooding. This crest was the fifth highest crest ever recorded at this site. Very severe flooding occurred from near Fidler's Bend to near Hanging Rock, with numerous cabins flooded in permanent campgrounds, and portions of Chewey Road inundated east of Chewey Bridge. The river fell below flood stage at 7:30 pm CST on the 25th.

A slow-moving, strong cold front moved through eastern Oklahoma on the 20th and 21st. Very moist air resided across the region ahead of the front. Widespread showers and thunderstorms developed over the area as the front moved into eastern Oklahoma, and the unseasonably moist air supported heavy rainfall with this activity. Additional heavy rainfall occurred on the 23rd. Much of eastern Oklahoma received between six and ten inches of rain over a 7-day period during this active weather pattern. This excessive rainfall resulted in moderate to major river flooding in the Lower Arkansas River Basin.