

## Storm Data and Unusual Weather Phenomena - March 2021

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

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**WASHINGTON COUNTY --- 2.5 ESE TONTITOWN [36.17, -94.19]**

03/17/21 15:10 CST	0	Hail (1.00 in)
03/17/21 15:10 CST	0	Source: Public

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**BENTON COUNTY --- 0.9 NW GATEWAY [36.49, -93.93]**

03/17/21 16:01 CST	10K	Hail (1.25 in)
03/17/21 16:01 CST	0	Source: Public

Half dollar size hail covered the ground. The hail damaged homes.

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**BENTON COUNTY --- 0.9 NW GATEWAY [36.49, -93.93]**

03/17/21 16:05 CST	20K	Hail (1.75 in)
03/17/21 16:05 CST	0	Source: Broadcast Media

Hail up to golf ball size damaged vehicles and homes.

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**BENTON COUNTY --- BELLA VISTA [36.43, -94.23]**

03/17/21 16:16 CST	0	Hail (0.88 in)
03/17/21 16:16 CST	0	Source: Public

Thunderstorms developed into northwestern Arkansas during the afternoon of the 17th, as a cold front moved into the area. The atmosphere ahead of the cold front was weakly unstable, but low level wind shear was strong, promoting the development of supercell thunderstorms. The strongest storms produced hail up to golf ball size.

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**WASHINGTON COUNTY --- 3.0 ENE WHEELER [36.14, -94.20]**

03/27/21 16:49 CST	0	Hail (0.88 in)
03/27/21 16:49 CST	0	Source: Trained Spotter

Thunderstorms developed into northwestern Arkansas during the evening of the 27th, as a cold front moved into the area. The strongest storms produced hail up to nickel size.

### OKLAHOMA, Eastern

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**(OK-Z049) PUSHMATAHA, (OK-Z063) DELAWARE, (OK-Z066) OKMULGEE, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z075) LATIMER, (OK-Z076) LE FLORE**

03/05/21 10:00 CST	25K	Wildfire
03/11/21 22:00 CST	1	0

Unseasonably warm temperatures and strong, gusty wind, combined with very low humidity and dormant, dry fine fuels to promote conditions that supported the rapid spread of wildfire across eastern Oklahoma during early March. Numerous wildfires occurred across the region during this period, but the largest fires affected Delaware County where over 4000 acres were burned, Latimer County where over 2000 acres were burned, Cherokee and Okmulgee Counties where over 1500 acres were burned, Adair County where over 1100 acres were burned, Pittsburg County where over 700 acres were burned, Sequoyah and Le Flore Counties where over 350 acres were burned, and Pushmataha County where over 150 acres were burned. Fires in Pushmataha County burned two structures and injured a resident.

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**OSAGE COUNTY --- 3.5 SW BARNSDALL [36.53, -96.21], 0.6 E SKIATOOK ARPT [36.35, -96.01], 5.6 NE SKIATOOK [36.42, -95.92], 2.8 N WOLCO [36.59, -96.08]**

03/13/21 10:30 CST	0	Flood (due to Heavy Rain)
03/14/21 01:15 CST	0	Source: Official NWS Observations

Bird Creek near Avant rose above its flood stage of 17 feet at 10:30 am CST on March 13th. The river crested at 21.32 feet at 8:00 pm CST on the 13th, resulting in moderate flooding. Farmland was flooded, and county roads west of Highway 11 were inundated. The river fell below flood stage at 1:15 am CST on the 14th.

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**OTTAWA COUNTY --- 13.3 WNW NORTH MIAMI [37.00, -95.10], 2.9 ENE NARCISSA [36.81, -94.88], 3.0 NNE OTTAWA [36.89, -94.78], 3.9 WNW CARDIN [37.00, -94.91]**

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	03/13/21 15:30 CST		0	Flood (due to Heavy Rain)
	03/17/21 16:00 CST		0	Source: Official NWS Observations
<p>The Neosho River near Commerce rose above its flood stage of 15 feet at 3:30 pm CST on March 13th. The river crested at 19.59 feet at 3:45 am CDT on the 16th, resulting in moderate flooding. Low-lying areas around Miami were flooded, including Riverview Park, and Highway 125 near the Fairgrounds was flooded. The river fell below flood stage at 5:00 pm CDT on the 17th.</p>				
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<b>TULSA COUNTY --- 3.1 WSW COLLINSVILLE [36.35, -95.88], 4.9 ENE OWASSO ARPT [36.30, -95.70], 10.0 NE OWASSO ARPT [36.36, -95.64], 4.5 NNE COLLINSVILLE [36.43, -95.80]</b>				
	03/14/21 10:15 CST		0	Flood (due to Heavy Rain)
	03/16/21 15:30 CST		0	Source: Official NWS Observations
<p>The Caney River near Collinsville rose above its flood stage of 26 feet at 11:15 am CDT on March 14th. The river crested at 29.32 feet at 1:00 am CDT on the 16th, resulting in moderate flooding. County roads were flooded, as was agricultural land. The river fell below flood stage at 4:30 pm CDT on the 16th.</p>				
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<b>OTTAWA COUNTY --- 13.3 WNW NORTH MIAMI [37.00, -95.10], 2.9 ENE NARCISSA [36.81, -94.88], 3.0 NNE OTTAWA [36.89, -94.78], 3.9 WNW CARDIN [37.00, -94.91]</b>				
	03/18/21 04:30 CST		0	Flood (due to Heavy Rain)
	03/22/21 01:00 CST		0	Source: Official NWS Observations
<p>The Neosho River near Commerce rose above its flood stage of 15 feet at 5:30 am CDT on March 18th. The river crested at 18.97 feet at 4:15 pm CDT on the 19th, resulting in moderate flooding. Low-lying areas around Miami were flooded, including Riverview Park. The river fell below flood stage at 2:00 am CDT on the 22nd.</p>				
<p><b>The presence of a frontal boundary, a persistent flow of unseasonably moist air from the Gulf of Mexico, and the slow approach of an upper level system to the Southern Plains, resulted in multiple rounds of showers and thunderstorms across northeastern Oklahoma from the 12th through the 17th. Four to eight inches of rain fell along and north of a line from Pawhuska to Grove during the period, with up to ten inches occurring locally. This widespread heavy rainfall resulted in moderate flooding on portions of the Caney River, Bird Creek, and the Neosho River.</b></p>				
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<b>OSAGE COUNTY --- SHIDLER [36.78, -96.65]</b>				
	03/17/21 02:09 CST		0	Hail (1.00 in)
	03/17/21 02:09 CST		0	Source: Public
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<b>OSAGE COUNTY --- BURBANK [36.70, -96.72]</b>				
	03/17/21 03:15 CST		0	Thunderstorm Wind (EG 52 kt)
	03/17/21 03:15 CST		0	Source: Public
<p>Thunderstorm wind gusts were estimated to 60 mph.</p>				
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<b>WASHINGTON COUNTY --- 1.3 ESE BARTLESVILLE [36.74, -95.98]</b>				
	03/17/21 04:06 CST		0	Hail (0.75 in)
	03/17/21 04:06 CST		0	Source: Public
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<b>TULSA COUNTY --- 2.3 SSE BROKEN ARROW [36.02, -95.77]</b>				
	03/17/21 12:53 CST		0	Hail (1.00 in)
	03/17/21 12:53 CST		0	Source: Broadcast Media
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<b>WAGONER COUNTY --- 1.6 E BROKEN ARROW [36.05, -95.75]</b>				
	03/17/21 13:00 CST		0	Hail (0.88 in)
	03/17/21 13:00 CST		0	Source: NWS Employee
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<b>TULSA COUNTY --- 1.0 WNW BOZARTH [36.08, -96.04]</b>				
	03/17/21 13:42 CST		0	Hail (1.00 in)
	03/17/21 13:42 CST		0	Source: Public
<p>Thunderstorms developed along a warm front over northwestern Oklahoma during the evening of the 16th. These storms developed eastward along the front, into northeastern Oklahoma during the early morning hours of the 17th. The strongest storms produced large hail up to quarter size, and wind gusts to 60 mph. Another round of thunderstorms developed across eastern Oklahoma during the afternoon of the 17th, as a cold front moved into the area. The strongest storms produced hail up to quarter size.</p>				
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<b>(OK-Z069) ADAIR, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER</b>				

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	03/21/21 09:00 CST		0	Wildfire
	03/22/21 22:00 CST		0	

Warm temperatures and strong, gusty wind, combined with very low humidity and dormant, dry fine fuels to promote conditions that supported the rapid spread of wildfire across eastern Oklahoma during late March. A number of wildfires occurred across the region during this period, but the largest fires affected Haskell County where over 450 acres were burned, Pittsburg County where over 200 acres were burned, and Adair and Latimer Counties where over 150 acres were burned.

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### TULSA COUNTY --- 2.9 WSW WEKIWA [36.13, -96.22]

03/22/21 21:05 CST	5K	Thunderstorm Wind (EG 52 kt)
03/22/21 21:05 CST	0	Source: Public

Strong thunderstorm wind damaged a barn.

A line of thunderstorms moved into eastern Oklahoma during the evening hours of the 22nd. The strongest storms produced damaging wind gusts.

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### (OK-Z064) CREEK, (OK-Z068) CHEROKEE, (OK-Z075) LATIMER

03/29/21 09:00 CST	0	Wildfire
03/31/21 23:59 CST	0	

Unseasonably warm temperatures and strong, gusty wind, combined with very low humidity and dormant, dry fine fuels to promote conditions that supported the rapid spread of wildfire across eastern Oklahoma during late March. A number of wildfires occurred across the region during this period, but the largest fires affected Creek County where over 3200 acres were burned, Cherokee County where over 650 acres were burned, and Latimer County where over 450 acres were burned.