



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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ARKANSAS, Northwest

Crawford County 8 N Mountainburg	03	0320CST			0	0			Hail (0.75)
Crawford County Alma	03	0400CST			0	0			Hail (1.00)
Madison County 2 S Huntsville	03	0400CST			0	0	0.10K		Thunderstorm Wind
Tree limbs were blown down.									
Crawford County Mountainburg	03	0730CST 0830CST			0	0			Flash Flood
Low-water crossings were flooded near Mountainburg									
Washington County Odell to West Fork	03	0740CST 0900CST			0	0			Flash Flood
County roads near Odell were flooded. Dye Creek Road in West Fork became impassable as the fast current of the West Fork of the White River flowed over the road.									
Madison County Marble	03	0745CST 0845CST			0	0	80K		Flash Flood
A bridge on US Hwy 412 was washed out.									
Sebastian County Ft Smith	03	0757CST 0857CST			0	0			Flash Flood
Streets in Fort Smith were flooded.									
Sebastian County Ft Smith	03	1236CST			0	0			Funnel Cloud
Funnel cloud was moving toward Barling. No confirmed touchdown.									
Sebastian County Greenwood	03	1240CST			0	0	0.10K		Thunderstorm Wind
A large tree was blown down in Greenwood.									
Crawford County Rudy	03	1245CST			0	0			Thunderstorm Wind (G52)
Crawford County Van Buren	03	1251CST			0	0	0.20K		Thunderstorm Wind
Trees were blown down in Van Buren.									
Sebastian County Ft Smith	03	1251CST			0	0			Hail (0.75)
Washington County 4 N Odell	03	1300CST			0	0	0.20K		Thunderstorm Wind
Several small trees were blown down.									
Benton County Lowell	03	1315CST			0	0			Hail (0.75)
Franklin County Charleston	03	1325CST			0	0			Thunderstorm Wind (G52)
Benton County Rogers	03	1330CST			0	0	0.50K		Thunderstorm Wind
Numerous tree limbs were blown down around Rogers, Cave Springs, and Horseshoe Bend.									
Carroll County Berryville	03	1355CST			0	0	1K		Thunderstorm Wind
A business sign was blown down in Berryville.									



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ARKANSAS, Northwest

Carroll County									
8 N Eureka Spgs	03	1400CST			0	0			Hail (0.75)

Location: Holiday Island

Madison County									
2 N Clifty	03	1400CST			0	0	0.20K		Thunderstorm Wind

Trees were blown down onto AR Hwy 127.

Summary of events for April 3 1999:

Early on the morning of April 3, an isolated cluster of severe thunderstorms formed over Crawford County and moved northeast through Madison County, producing hail as large as quarters and marginally severe winds. Later in the morning, non-severe thunderstorms training across the same area caused some flash flooding. Early in the afternoon, a slow-moving line of thunderstorms that had tracked across all of eastern Oklahoma moved into west-central Arkansas and strengthened. This last round of storms produced marginally severe hail and winds, although the strongest storm produced a funnel cloud over Fort Smith.

ARZ001

Benton

15	0800CST				0	0	1K		High Wind

The pressure gradient between a 993 mb low over eastern Missouri and a 1040 mb high over the northern Rockies brought strong northwest winds to northwest Arkansas on April 15. The strongest winds occurred in the morning, when high winds toppled a sycamore tree onto a TV cable line in Sleep Hollow. Wind gusts of 40 to 45 miles an hour were common with locally higher gusts.

Benton County									
Bella Vista	22	1830CST			0	0			Hail (0.88)

Washington County									
Prairie Grove	22	2045CST			0	0			Hail (0.75)

Washington County									
7 W Winslow	22	2115CST			0	0			Hail (0.75)

Location: Devil's Den State Park

Crawford County									
Natural Dam	22	2120CST			0	0			Hail (0.75)

Crawford County									
Chester	22	2200CST			0	0			Thunderstorm Wind (G52)

Franklin County									
4 E Cass	22	2210CST			0	0			Hail (0.75)

Summary of events for April 22 1999:

A cold front pushed from Kansas and Missouri into northwest Arkansas on the evening of April 22. A broken line of severe thunderstorms accompanied the front as it pushed southward through the evening. These thunderstorms mainly contained marginally severe hail and wind.

Franklin County									
Ozark	24	0705CST			0	0			Hail (1.00)

Franklin County									
Ozark	24	0705CST			0	0	0.10K		Thunderstorm Wind

Large limbs were blown out of trees.

Sebastian County									
Lavaca	24	0842CST			0	0			Hail (0.75)

Sebastian County									
Ft Chaffee	24	0910CST			0	0			Hail (1.00)

Sebastian County									
Countywide	24	0930CST 1030CST			0	0			Flash Flood

Several roads were flooded throughout the county.



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ARKANSAS, Northwest

Summary for April 24 1999:

A series of thunderstorms moved eastward along a stationary front located east-west along the Arkansas River valley. Some of the storms in the morning produced marginally severe hail and wind. Meanwhile, the repeated movement of thunderstorms along the same path led to locally heavy rainfall amounts. An NWS Cooperative Observer 1 mile northwest of Greenwood measured 2.85 inches of rain for the 24 hours ending at 7 AM CDT on April 25.

Sebastian County									
5 S Mansfield	26	1200CST			0	0	0.10K		Thunderstorm Wind

Several tree limbs were blown down.

Crawford County									
Kibler	26	1215CST			0	1			Lightning

A 39-year old man standing outside near Kibler was injured when lightning struck a nearby tree or the ground.

Sebastian County									
Ft Smith	26	1215CST			0	0	0.80K		Thunderstorm Wind

A large oak tree fell onto a power line in the 1300 block of Waldron Road.

Franklin County									
Altus	26	1245CST			0	0			Thunderstorm Wind (G52)

Summary of events for April 26 1999:

A broad band of rain and thunderstorms moved across the area from west to east during the late morning and early afternoon of April 26 in advance of a closed upper-level low. Some of the embedded thunderstorms which moved through the Arkansas River valley contained marginally severe thunderstorm winds. One man was injured by lightning.

ARZ019-029									
		Crawford - Sebastian							
	26	2100CST			0	0			Flood
	30	2359CST							

The Arkansas River at Van Buren rose above its flood stage of 22 feet at 1000 PM CDT on April 26. The river crested at 24.0 feet at 100 AM CDT on April 28. The river remained above flood stage at the end of April.

OKLAHOMA, Eastern

Osage County									
Foraker	03	0300CST			0	0			Hail (0.75)

Creek County									
Bristow	03	0306CST			0	0			Thunderstorm Wind (G52)

Creek County									
Mannford	03	0306CST			0	0			Hail (0.75)

Creek County									
Mannford	03	0306CST			0	0			Thunderstorm Wind (G52)

Pawnee County									
Cleveland	03	0310CST			0	0	15K		Thunderstorm Wind (G61)

Winds estimated as high as 70 mph destroyed a car port, damaged a motel awning, uprooted trees, blew a hole through the middle school's gym roof, and knocked down numerous tree limbs.

Okmulgee County									
Beggs	03	0320CST			0	0			Hail (0.75)

Osage County									
7 NW Tulsa	03	0335CST			0	0	4K		Thunderstorm Wind

A roof was blown off of a barn, and tree limbs were blown down.

Tulsa County									
Bixby	03	0344CST			0	0			Hail (0.75)



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					Killed	Injured	Property	Crops	

OKLAHOMA, Eastern

Tulsa County Bixby	03	0344CST			0	0			Thunderstorm Wind (G52)
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Wagoner County Coweta	03	0410CST			0	0	1.5K		Thunderstorm Wind
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Three 45-foot power poles near Coweta were blown over, knocking out power to 60 power customers.

Washington County Dewey	03	0415CST			0	0	0.10K		Thunderstorm Wind
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Several tree limbs were blown down.

Cherokee County Peggs	03	0430CST			0	0	0.10K		Thunderstorm Wind
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Several tree limbs were blown down.

Adair County 4 W Stilwell to 1 N Stilwell	03	0500CST			0	0	20K		Thunderstorm Wind
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Winds destroyed a barn, damaged roofs on chicken sheds, caused damage at the rodeo grounds, and caused minor damage to a mobile home.

Choctaw County 2 E Hugo	03	0610CST			0	0	0.30K		Thunderstorm Wind
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A tree was blown down onto a fence.

Le Flore County Poteau	03	0800CST 0900CST			0	0			Flash Flood
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Several streets in Poteau were flooded.

Pushmataha County 8 W Eubanks	03	0800CST			0	0			Hail (0.75)
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Pushmataha County Jumbo	03	0800CST 0900CST			0	0			Flash Flood
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A county road near Jumbo was under water. About 3 1/2" of rain fell in this location.

Latimer County Wilburton	03	0900CST 1000CST			0	0			Flash Flood
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Streets and creeks in the Wilburton area were flooded.

Pushmataha County 5 W Antlers	03	1030CST			0	0			Hail (0.88)
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Pittsburg County 4 S Weathers	03	1045CST			0	0			Thunderstorm Wind (G52)
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Pushmataha County 2 N Clayton	03	1115CST			0	0			Hail (0.75)
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Sequoyah County 7 S Sallisaw	03	1210CST			0	0	2K		Thunderstorm Wind
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A shed was lifted and blown 100 feet.

Adair County Bunch	03	1230CST			0	0			Hail (0.75)
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Le Flore County Arkoma	03	1242CST			0	0			Hail (0.75)
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Summary of events for April 3 1999:

A solid line of thunderstorms moved across eastern Oklahoma during the early morning of April 3. Along the way, there were reports of marginally severe wind and hail.



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OKLAHOMA, Eastern

Choctaw County 3 W Frogville	04	1545CST 1555CST			0	0			Hail (1.00)
Pushmataha County Cloudy	04	1615CST			0	0			Hail (0.75)
Sequoyah County Marble City	04	1820CST			0	0			Hail (1.00)
Adair County 5 NW Stilwell	04	1848CST			0	0			Hail (1.00)
Okfuskee County Weleetka	05	0710CST			0	0			Thunderstorm Wind (G57)
Mcintosh County 18 W Eufaula	05	0717CST			0	0			Hail (0.75)
Location: on the Indian Nations Turnpike									
Okmulgee County Henryetta Arpt	05	0725CST			0	0			Thunderstorm Wind (G52)
Wagoner County 3 NE Okay	05	0845CST	0.5	25	0	0	40K		Tornado (F0)

A small tornado touched down on the south edge of Sequoyah Bay State Park and destroyed an equipment shed. The tornado moved north-northeast through the park, downing several trees and causing minor damage to two vehicles and two campers. One of the campers set down on one end of a pickup truck. The gate attendants' trailer was moved six feet. The tornado destroyed an empty boat dock before eyewitnesses reported it moving into Fort Gibson Lake as a waterspout. The waterspout moved toward the Highway 51 bridge but dissipated before reaching the bridge.

Sequoyah County Nicut	05	1000CST			0	0			Hail (0.88)
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Summary of events for April 4-5 1999:

After a day of dry weather, high humidity air invaded southeast Oklahoma on Easter afternoon, April 4. The increase in instability allowed widely scattered severe thunderstorms to form. These storms produced hail as large as quarters.

As a dryline approached from the west on the morning of April 5, a line of thunderstorms moved across the area. One thunderstorm in this line moved east along the I-40 corridor, producing marginally severe hail and winds. The big story of the morning, however, was a brief tornado touchdown along the line in Wagoner County.

Latimer County 3 NE Yanush	13	1030CST			0	0			Hail (1.00)
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Location: Buffalo Valley

Latimer County 1 N Panola	14	1744CST			0	0			Hail (1.75)
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Muskogee County .5 W Jamesville	14	1756CST			0	0			Hail (1.00)
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Latimer County 8 NE Red Oak	14	1820CST			0	0			Hail (1.00)
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Latimer County Northeast Portion	14	1845CST 1945CST			0	0			Flash Flood
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US Hwy 270 in northeast Latimer County was impassable due to high water.

Summary of events for April 14 1999:

The center of an upper level low pressure system passed east over southern Oklahoma on the afternoon and evening of April 14. Near the center of the upper level system, where the coldest air aloft was located, an isolated severe thunderstorm formed over Latimer County. While this thunderstorm showed strong rotation, it never produced a tornado. However, it did produce hail as large as golfballs and locally excessive rainfall. A short-lived severe thunderstorm also developed over northwest Muskogee



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OKLAHOMA, Eastern

County, affecting a very small area just west of Jamesville.

OKZ054>055

Osage - Washington

15	0045CST				0	0			High Wind (G44)
	0815CST								

Summary of events for April 15 1999:

The pressure gradient between a 993 mb low over eastern Missouri/Illinois and a 1040 mb high over the northern Rockies brought strong northwest winds to eastern Oklahoma on April 15. The strongest winds occurred in the morning. While most of eastern Oklahoma experienced wind gusts of 40 to 45 miles an hour, a few locations north and northwest of Tulsa experienced wind gusts near 50 miles an hour. The following are wind gusts in excess of 50 miles an hour measured by Oklahoma mesonet sites:

Time(CST)	Site	Wind Gust (mph)
0115	7 SW Burbank	51
0415	7 SW Burbank	51
0800	2 ENE Copan	51

OKZ058

Ottawa

15	0100CST				0	0			Flood
	1700CST								

The Neosho River at Commerce rose above its flood stage of 15 feet at 200 AM CDT on April 15. The river crested at 18.9 feet at 300 PM CDT on April 16 before falling back below flood stage at 600 PM CDT on April 18.

There was flooding mainly in agricultural areas, but the city of Miami had some nuisance flooding around Riverside Park.

**Pawnee County
Pawnee**

21	2145CST				0	0			Hail (0.88)
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There were two reports of nickel-sized hail near Pawnee...one report from in Pawnee and the other report from 5 miles north of Pawnee. An unknown source indicated golfball-sized hail just north of Pawnee. Additionally, 50 mph winds accompanied this storm.

**Pawnee County
Hallett**

21	2258CST				0	0			Hail (1.75)
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**Pawnee County
Hallett**

21	2303CST				0	0	13K		Thunderstorm Wind (G66)
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Winds estimated near 75 mph blew down trees, power lines and highway signs in and near Hallett. A roof was blown off of a home east of Hallett.

**Creek County
1 W Mannford**

21	2307CST				0	0			Thunderstorm Wind (G52)
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**Pawnee County
10 E Hallett**

21	2315CST				0	0	1K		Thunderstorm Wind
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Highway signs were blown down near the intersection of OK Hwy 48 and US Hwy 412, which is near Westport.

**Tulsa County
Tulsa**

21	2326CST				0	0			Thunderstorm Wind (G52)
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Location: Downtown Tulsa

**Osage County
3 NW Tulsa**

21	2330CST				0	0			Thunderstorm Wind (G57)
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Location: Gilcrease Museum

**Rogers County
Claremore**

21	2358CST				0	0			Hail (0.88)
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OKLAHOMA, Eastern

Craig County									
7 SW Vinita	22	0010CST			0	0			Thunderstorm Wind (G52)

Location: Big Cabin

Mayes County									
Adair	22	0010CST			0	0	2K		Thunderstorm Wind

Shingles were blown off of several roofs in Adair.

Mayes County									
Pryor	22	0015CST			0	0	0.10K		Thunderstorm Wind

Several 2-inch tree limbs were blown down in Pryor.

Delaware County									
Bernice	22	0030CST			0	0			Thunderstorm Wind (G52)

Ottawa County									
9 SE Wyandotte	22	0055CST			0	0			Hail (0.75)

Summary of events for April 21 1999:

A series of severe thunderstorms developed along a dryline over central Oklahoma on the evening of April 21. These thunderstorms then moved eastward across northeast Oklahoma through the late evening before exiting into southwest Missouri around 200 AM CDT. These storms produced scattered wind damage and hail as large as golfballs.

Osage County									
3 E Bowring	22	1420CST			0	0			Thunderstorm Wind (G52)

60 mph winds at Wah-Sha-She State Park knocked down power lines.

Nowata County									
6 NE Lenapah	22	1442CST			0	0			Thunderstorm Wind (G52)

Washington County									
Copan	22	1442CST			0	0			Thunderstorm Wind (G52)

There were two reports of strong winds from far northern Washington County. They were: 1) 60 mph gust at Copan and 2) tin was blown off of a barn roof 6 miles northeast of Dewey.

Nowata County									
2 E Lenapah to 3 E Lenapah	22	1510CST 1515CST			0	0			Hail (2.75)

There were several reports of extremely large hail from Nowata County. First, there were two reports of baseball-sized hail 2 and 3 miles east of Lenapah at 415 PM CDT, while another report noted golfball-sized hail between Nowata and Coffeyville at 410 PM CDT.

Craig County									
Centralia	22	1555CST			0	0			Hail (1.00)

Craig County									
Bluejacket	22	1615CST			0	0			Hail (1.00)

Craig County									
Bluejacket	22	1615CST			0	0			Thunderstorm Wind (G52)

Ottawa County									
2 NE Afton	22	1620CST			0	0			Hail (1.00)

Tulsa County									
Tulsa	22	1632CST 1638CST			0	0			Hail (1.00)

Location: near intersection of US Hwy 75 and OK Hwy 11

Craig County									
3 SW Vinita	22	1635CST			0	0			Thunderstorm Wind (G52)

Location: Big Cabin toll plaza on Rogers Turnpike

Delaware County									
Bernice	22	1635CST			0	0			Hail (0.75)



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OKLAHOMA, Eastern

Ottawa County Afton	22	1637CST			0	0			Hail (0.88)
Delaware County 8 NE Grove	22	1650CST 1655CST			0	0			Hail (1.75)
Location: on the Delaware/Ottawa County line, 3 miles west of the MO border									
Ottawa County 10 SSE Wyandotte	22	1650CST 1655CST			0	0			Hail (1.75)
Location: on the Delaware/Ottawa County line, 3 miles west of the MO border									
Rogers County Claremore	22	1655CST			0	0	0.30K		Thunderstorm Wind (G52)
A door was blown off of a house. Two downtown buildings in Claremore had their frontages damaged. One of these was the Chamber of Commerce which had two concrete veneer blocks from the roofline blown down.									
Mayes County 5 NW Adair	22	1700CST			0	0			Hail (0.75)
Craig County 11 SE Vinita	22	1710CST			0	0			Hail (0.75)
Location: Ketchum									
Delaware County 4 W Bernice to Bernice	22	1715CST 1720CST			0	0			Hail (0.88)
There was a report of dime-sized hail 4 miles west of Bernice at 610 PM CDT, followed by a report of nickel-sized hail in downtown Bernice at 620 PM CDT.									
Mayes County 5 W Chouteau	22	1732CST			0	0			Hail (0.88)
Location: Rogers/Mayes county line on US Hwy 412									
Rogers County 5 E Inola	22	1732CST			0	0			Hail (0.88)
Location: Rogers/Mayes county line on US Hwy 412									
Rogers County 3 S Inola to 4 SE Inola	22	1738CST 1744CST			0	0			Funnel Cloud
Rogers County 5 SE Inola	22	1745CST			0	0			Hail (1.75)
Location: Rogers/Wagoner County line									
Wagoner County 3 NW Neodesha	22	1745CST			0	0			Hail (1.75)
Location: Rogers/Wagoner County line									
Rogers County 4 SE Inola to 5 SE Inola	22	1747CST 1750CST	1	200	0	0	1K		Tornado (F1)
An F1 tornado touched down in a rural area 4 miles southeast of Inola. This tornado moved east into Mayes County. The tornado reached its widest point of 200 yards in Rogers County. This tornado was responsible for tree damage. For more information on this tornado, see the Mayes County Tornado entry.									
Mayes County 4.5 WSW Mazie to 2.5 SW Mazie	22	1750CST 1753CST	2	200	0	0	2K		Tornado (F1)
This F1 tornado originally formed in extreme southeast Rogers County and then moved east into extreme southwest Mayes County before lifting 2.5 miles southwest of Mazie. This tornado produced tree damage in a mostly rural area. While the tornado reached its widest point of 200 yards in Rogers County, the tornado was about 75 yards at its widest in Mayes County.									
Mayes County Mazie	22	1756CST			0	0			Hail (1.75)



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OKLAHOMA, Eastern

Wagoner County

5 ENE Neodesha 22 **1805CST**
1806CST **0.3** **50** **0** **0** **Tornado (F0)**
Spotters reported a brief tornado touchdown 3.2 miles NNW of Rocky Point in extreme northern Rogers County.

Okmulgee County

Bald Hill 22 **1819CST** **0** **0** **Hail (1.75)**

Muskogee County

Taft 22 **1830CST** **0** **0** **0.20K** **Thunderstorm Wind**
Numerous tree limbs were blown down in Taft, causing a power outage.

Cherokee County

Lost City to
1 N Hulbert 22 **1835CST**
1843CST **0** **0** **Hail (1.50)**
At 735 PM CDT, there was a report of 1.5 inch hail near Lost City. At 742 PM CDT, there was a report of 1.25-inch hail just north of Hulbert.

Cherokee County

Lost City 22 **1835CST** **0** **0** **Thunderstorm Wind (G61)**

Cherokee County

5.5 N Hulbert 22 **1840CST**
1841CST **0.3** **50** **0** **0** **Tornado (F0)**
Spotters reported a brief tornado touchdown 5 1/2 miles north of Hulbert.

Muskogee County

Muskogee 22 **1845CST**
1945CST **0** **0** **Flash Flood**
There was street flooding in Muskogee.

Muskogee County

2 E Muskogee to
3 E Muskogee 22 **1850CST**
1853CST **1** **50** **0** **0** **1K** **Tornado (F0)**
A weak tornado touched down for several minutes just east of the Fort Howard paper plant, or one mile east of the Muskogee Turnpike. The tornado caused some tree damage.

Cherokee County

Tahlequah 22 **1900CST** **0** **0** **Hail (0.88)**

Muskogee County

Jamesville 22 **1900CST** **0** **0** **Hail (0.75)**

Mcintosh County

3 S Stidham 22 **1920CST** **0** **0** **Hail (1.00)**

Muskogee County

Muskogee 22 **1930CST** **0** **0** **10K** **Lightning**
Lightning struck a radio tower at the Troop C Headquarters of the Oklahoma Highway Patrol, destroying phone, computer and radio systems.

Okfuskee County

Bearden 22 **1930CST**
2030CST **0** **0** **Flash Flood**
There was street flooding in Bearden.

Okfuskee County

4 E Weleetka 22 **1930CST** **0** **0** **Hail (0.75)**

Okmulgee County

Henryetta 22 **1930CST**
2030CST **0** **0** **Flash Flood**
There was street flooding in Henryetta.

Okmulgee County

Schulter 22 **1930CST** **0** **0** **Hail (0.75)**

Okmulgee County

Dewar 22 **1932CST** **0** **0** **0.40K** **Thunderstorm Wind**
Several trees were blown down in Dewar.



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Eastern

Mcintosh County 3 E Eufaula	22	1945CST			0	0			Hail (1.25)
Adair County Baron	22	1950CST			0	0			Hail (1.00)
Cherokee County 3 W Moodys	22	2000CST 2100CST			0	0			Flash Flood
A county road flooded 3 miles west of Moodys.									
Cherokee County 2 E Pettit	22	2010CST			0	0	0.20K		Thunderstorm Wind
Trees were blown down.									
Okfuskee County Weleetka	22	2040CST			0	0			Hail (0.75)
Adair County 8 SE Stilwell	22	2057CST			0	0			Hail (0.75)
Mcintosh County 3 S Stidham	22	2100CST			0	0			Hail (1.50)
Mcintosh County 2 W Eufaula	22	2129CST			0	0			Hail (1.50)

Summary of events for April 22 1999:

A cold front moved southeast out of Kansas into northeast Oklahoma on the afternoon of April 22. A broken line of thunderstorms formed along the front and quickly became severe as the front continued a steady southeast push. The front slowed down as it neared the I-40 corridor, causing some training thunderstorms and minor flash flooding. These thunderstorms contained the full spectrum of severe weather, from golfball-sized hail to damaging winds to several touchdowns of weak tornadoes.

Pittsburg County 3 SE Canadian	24	0545CST			0	0			Hail (0.88)
Location: Arrowhead State Park									
Haskell County Mc Curtain	24	0615CST			0	0			Hail (0.88)
Pittsburg County 3 NE Mc Alester	24	0625CST			0	0			Hail (0.75)
Pittsburg County Crowder	24	0710CST			0	0	1K		Thunderstorm Wind
Numerous trees were blown down in the city of Crowder.									
Pittsburg County 3 E Crowder	24	0715CST			0	0			Hail (0.75)
Le Flore County Spiro	24	0730CST			0	0			Hail (0.75)
Sequoyah County 5 S Muldrow	24	0730CST			1	1			Lightning
A 36-year old Muldrow man was killed by lightning while fishing in a tournament on the Arkansas River near Lock and Dam 14. A 24-year old companion was also struck by lightning, suffering severe burns on his right arm, shoulder and foot. M36BO									
Pittsburg County Central Portion	24	0815CST 0915CST			0	0			Flash Flood
There was some street flooding west of McAlester.									
Le Flore County 3 W Spiro	24	0830CST 0835CST			0	0			Hail (0.75)



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Eastern

Le Flore County									
3 W Spiro	24	0830CST			0	0	0.10K		Thunderstorm Wind

Large tree limbs were blown down.

Le Flore County									
Panama	24	1000CST 1100CST			0	0			Flash Flood

Several streets in Panama were closed due to street flooding.

Pushmataha County									
Tuskahoma	24	1020CST			0	0			Hail (0.88)

Pushmataha County									
Clayton	24	1030CST 1130CST			0	0			Flash Flood

Roads in Clayton were closed by high water.

Latimer County									
Wilburton	24	1100CST 1200CST			0	0			Flash Flood

A road next to a school in Wilburton was closed by high water.

Latimer County									
Wilburton	24	1257CST			0	0			Hail (0.75)

Latimer County									
North Portion	24	1300CST 1700CST			0	0			Flash Flood

Water covered a number of roadways.

Pittsburg County									
Central Portion	24	1400CST 1530CST			0	0			Flash Flood

OK Hwy 31A west of McAlester and US Hwy 270 near McAlester were closed by high water. OK Hwy 63 near Kiowa was closed for a short time. A tin horn was washed out of North Buffalo Road four miles west of Arpelar.

Latimer County									
Wilburton	24	1415CST			0	0			Hail (0.75)

Mcintosh County									
West Portion	24	1800CST 1900CST			0	0	50K		Flash Flood

A bridge was washed out by flood waters.

Mcintosh County									
Checotah	24	1900CST			0	0	0.10K		Thunderstorm Wind

Several tree limbs were blown down in Checotah.

Summary of events for April 24 1999:

Thunderstorms formed on the morning of April 24 along a stationary front running east-west across southeast Oklahoma. Some of these storms became severe during the day, producing marginally severe hail and wind.

However, most of these thunderstorms moved eastward along a similar path running across Pittsburg, Latimer, and northern Pushmataha Counties. This led to saturated grounds and flash flooding. Listed here are some of the heavier rainfall amounts from the area for the day (in inches): Stuart_3SE Stuart...4.29, McCurtain_1SE...2.75, Clayton_15WNW...2.60, McAlester_4S...2.10, and Wilburton_2SW...1.41

Craig County									
Countywide	25	0830CST 1330CST			0	0	15K		Flash Flood

Throughout Craig County, county roads were flooded. Two vehicles became stuck and submerged in the flooded Pawpaw Creek northwest of Vinita. A newspaper photo showed deep water flowing over Churchill Road.

Creek County									
Countywide	25	0830CST 1330CST			0	0			Flash Flood

OK Hwy 48 along the Deep Fork River in southern Creek County flooded.



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Eastern

Mayes County Countywide

25	0830CST 1330CST				0	0	15K		Flash Flood
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In Pryor, several homes had water just over their foundations.

Nowata County Countywide

25	0830CST 1330CST				0	0			Flash Flood
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Low-lying areas and several county roads flooded across parts of Nowata County.

Osage County Countywide

25	0830CST 1330CST				0	0	30K		Flash Flood
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In Hominy, 6.9 inches of rain caused several streets to close. Three homes in the 1000 block of South Price were evacuated. Evacuations took place from 10th Street on the south side of town. This was the first time that these homes had been evacuated since the 1980's. Areas off of OK Hwy 99 north of town were flooded, and Hwy 99 was closed between Hominy and Cleveland for a time. Penn Creek at the north end of Katy in Hominy flooded the entrance to the City Barn and the Water Department.

Ottawa County Countywide

25	0830CST 1330CST				0	0	30K		Flash Flood
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Several homes in the Sky Ranch subdivision near Tar Creek were flooded. A newspaper photo showed an in-ground pool that "lost its shape" when grounds became saturated. At least five streets in Miami, including Veterans Boulevard, were closed due to flooding, and a bridge near Cardin was closed. The NEO A&M practice field was under water.

Rogers County Countywide

25	0830CST 1330CST				0	0			Flash Flood
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Near Talala, US Hwy 169 was closed.

Tulsa County Countywide

25	0830CST 1330CST				0	0	90K		Flash Flood
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In Tulsa, numerous streets were flooded and closed. Some of these streets include 1720 E. Pine, 96th and Sheridan, 71st and Canton, Riverside Drive between 41st and 45th Streets, Lewis Avenue between 61st and 71st Streets, 200 W. 81st Street, 23rd and Yukon, 5th and Madison, and 31st and Utica.

In Broken Arrow, Lynn Lane was closed between 101st and 111th Streets. The intersection of 101st and Garnett and a section of 71st Street near the Wagoner county line were also closed. Several homes near Kenosha Street (71st Street) and Oneta Road flooded when street drains backed up.

In Bixby, several houses flooded.

In Glenpool, a section of 121st Street east of US Hwy 75 partially collapsed.

All of the rain caused mainstem river flooding as well, particularly in northern Tulsa County. See river Flood entries in this publication for more details.

Wagoner County Countywide

25	0830CST 1330CST				0	0	30K		Flash Flood
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In Coweta, numerous streets and side roads were closed. Coweta Creek overflowed its banks and caused flooding problems in the Cottonwood subdivision.

Washington County Countywide

25	0830CST 1330CST				0	0			Flash Flood
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County roads 401 and 402 near highway 60 were closed by high water. Several city parks in Bartlesville experienced flooding.

Summary of flash flooding on April 25 1999:

A solid area of heavy rainfall lifted northeastward across northeast Oklahoma during the morning and early afternoon of April 25. Widespread rainfall amounts of 3 to 5 inches occurred across the area. The Tulsa metropolitan area was especially hard-hit as the heaviest rain bands remained stationary over the area for several hours. Some of the largest rainfall amounts for the day are (in inches): Wynona_2S...5.14", Broken Arrow (west)...4.82", Broken Arrow (south)...4.72", Delaware_2SE (Nowata County) ...4.53", Skiatook...4.37", Bixby_2NE...4.34", Beggs...4.28", Broken Arrow (east)...4.19", Pawnee_3ENE...4.18", Bixby...3.88", Pryor...3.71", Tulsa (south)...3.54", Centralia_7E...3.37", Claremore...3.35", Miami_2NE...3.30", and Nowata...3.17". Widespread flash flooding took place, and many mainstem rivers rose above flood stage.



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Eastern

OKZ054-060

Osage - Tulsa

25	0900CST				0	0	200K		Flood
28	1200CST								

The Bird Creek at Avant rose above its flood stage of 16 feet at 1000 AM CDT on April 25. The river crested at 26.1 feet at 400 PM CDT on April 25 before falling back below flood stage at 200 AM CDT on April 26.

The Bird Creek at Sperry rose above its flood stage of 21 feet at 100 PM CDT on April 25. The river crested at 28.9 feet at 600 PM CDT on April 26 before falling back below flood stage at 1200 AM CDT on April 28.

The Bird Creek at Owasso (Mingo Road) rose above its flood stage of 19 feet at 300 PM CDT on April 25. The river crested at 25.6 feet at noon CDT on April 27 before falling back below flood stage at 100 PM CDT on April 28.

At Skiatook, OK Hwys 11 and 20 were closed due to overflows from Bird Creek. A 4x5 block area in east Skiatook was affected by flood waters, damaging nine homes and eight businesses. In north Tulsa, floodwaters from Bird Creek flooded the Tulsa Gun Club building with three feet of water. The parking lot of the Tulsa Zoo flooded, closing the zoo for a couple of days. Throughout Tulsa County, a Red Cross report showed 30 homes suffering minor damage, most of which was probably due to flash flooding, although there were some homes in northern Tulsa County which were damaged by the overflows from Bird Creek.

OKZ058

Ottawa

25	1100CST				0	0	700K		Flood
30	1300CST								

The Neosho River at Commerce rose above its flood stage of 15 feet at noon CDT on April 25. The river crested at 20.2 feet at 100 AM CDT on April 28 before falling back below flood stage at 200 PM CDT on April 30.

Flash flooding along Tar Creek combined with mainstem river flooding along the Neosho River resulted in major damage to 14 homes, with 75 homes suffering minor damage. OK Hwy 125 near the Miami Fairgrounds was closed.

OKZ059

Pawnee

25	1200CST				0	0			Flood
27	2200CST								

The Black Bear Creek at Pawnee rose above its flood stage of 17 feet at 100 PM CDT on April 25. The river crested at 20.8 feet at 400 PM CDT on April 25 before falling back below flood stage at 1100 PM CDT on April 27.

Water covered the bridge over the Black Bear Creek north of Hostutler's Corner, west of Pawnee. The overflowing creek covered Skedee Road east of Pawnee.

OKZ055-060>061

Washington - Tulsa - Rogers

25	1300CST				0	0			Flood
29	1000CST								

The Caney River at Bartlesville rose above its flood stage of 13 feet at 400 PM CDT on April 25. The river crested at 13.6 feet at 800 PM CDT before falling back below flood stage at 1200 AM CDT on April 26.

The Caney River at Ramona rose above its flood stage of 26 feet at 800 PM CDT on April 25. The river crested at 28.6 feet at 300 PM CDT on April 26 before falling back below flood stage at 900 AM CDT on April 28.

The Caney River at Collinsville rose above its flood stage of 26 feet at 200 PM CDT on April 25. The river crested at 32.4 feet at 1000 PM CDT on April 28 before falling back below flood stage at 1100 AM CDT on April 29.

OKZ060-064

Tulsa - Creek

25	1500CST				0	0	10K		Flood
27	2100CST								

The Polecat Creek at Sapulpa rose above its flood stage of 21 feet on the afternoon of April 25. The river crested at 27.2 feet at 700 PM CDT on April 26 before falling back below flood stage on the evening of April 27.

The Polecat Creek at Jenks rose above its flood stage of 17 feet at 600 PM CDT on April 25. The river crested at 20.1 feet at 200 PM CDT on April 26 before falling back below flood stage on the evening of April 27.

Rising floodwaters along the Polecat Creek caused evacuations in a subdivision in east Sapulpa and resulted in damage to two homes. Minor flooding was reported in Jenks. Several schools in Creek County were canceled due to lack of accessibility.



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Eastern

OKZ058	Ottawa	25 29	1600CST 0200CST		0	0			Flood
		The Spring River at Quapaw rose above its flood stage of 20 feet at 500 PM CDT on April 25. The river crested at 25.2 feet at 200 AM CDT on April 27 before falling back below flood stage at 300 AM CDT on April 29.							
OKZ066	Okmulgee	25 30	2200CST 2359CST		0	0			Flood
		The Deep Fork River at Beggs rose above its flood stage of 18 feet at 1100 PM CDT on April 25. The river crested at 27.1 feet at 700 PM CDT on April 29. The river was still above flood stage at the end of April.							
OKZ070	Muskogee	26 27	0400CST 1200CST		0	0			Flood
		The Arkansas River at Muskogee rose above its flood stage of 28 feet at 500 AM CDT on April 26. The river crested at 28.8 feet at 500 AM CDT on April 27 before falling back below flood stage at 100 PM CDT on April 27.							
Okfuskee County 2 E Okemah		26	0800CST		0	0	40K		Thunderstorm Wind
		An 18-wheeler semi-truck was blown over as it was traveling east on I-40 near mile marker 223.							
Latimer County Wilburton		26	1006CST		0	0	0.50K		Thunderstorm Wind
		Several trees were blown down in Wilburton.							
Tulsa County 3 S Bixby		26	1010CST		0	0	20K		Thunderstorm Wind
		A mobile home flipped over near 181st Street and Yale Avenue.							
Tulsa County Tulsa		26	1018CST		0	0	1K		Thunderstorm Wind
		A tin building was damaged near Yale Avenue and Dawson.							
Tulsa County Bixby		26	1051CST		0	0			Thunderstorm Wind (G50)
Sequoyah County Muldrow		26	1145CST		0	0			Thunderstorm Wind (G52)
Pittsburg County Ashland		26	1800CST		0	0			Hail (0.75)
Pittsburg County Kiowa		26	1813CST		0	0			Hail (0.88)
Pittsburg County Mc Alester		26	1825CST		0	0			Hail (0.88)
Latimer County 4 SE Yanush		26	1924CST		0	0			Hail (0.88)
		Location: on the Latimer/Pushmataha county line							
Pushmataha County 4 N Tuskahoma		26	1924CST		0	0			Hail (0.88)
		Location: on the Latimer/Pushmataha county line							
Pushmataha County 4 NNE Finley		26	1945CST		0	0			Hail (0.75)
Choctaw County 3 N Messer		26	2010CST		0	0	0.50K		Thunderstorm Wind



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Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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OKLAHOMA, Eastern

A 100-year old oak tree was snapped in half.

Summary of severe events for April 26 1999:

A broad band of rain and thunderstorms moved eastward across eastern Oklahoma in advance of a closed upper-level low on the morning of April 26. By the time the band reached far eastern Oklahoma, daytime heating allowed one of the embedded thunderstorms to produce marginally severe hail.

By late afternoon, cold air aloft near the center of the upper-level low allowed isolated thunderstorms to form over central Oklahoma. These storms then moved east-southeast across Pittsburg, Pushmataha and Latimer Counties in southeast Oklahoma, producing marginally severe hail and wind. As the last storm of the day approached southeast Pushmataha County, it developed strong rotation, but there were no reports received of any tornadoes.

Creek County Countywide

26	0900CST 1300CST				0	0	50K		Flash Flood
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High water forced the closing of east- and west-bound lanes on the Turner Turnpike (Interstate 44) near Sapulpa. Rock Creek in Sapulpa flooded causing the evacuation of several homes and businesses. Two businesses in downtown Sapulpa suffered minor damage from the floodwaters of Rock Creek. There was also street flooding in Bristow, and numerous county roads were flooded. Schools in Kiefer and Lone Star let out early for the day. At least three county roads were washed out. One of the washed-out roads was south of Milfay, stranding about six families.

Mcintosh County Countywide

26	0900CST 1300CST				0	0			Flash Flood
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A low-water crossing near Hitchita was flooded.

Okfuskee County Countywide

26	0900CST 1300CST				0	0			Flash Flood
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In Okemah, there was street flooding. OK Hwy 48 was closed for a time when Little Wewoka Creek inundated the highway for a short time. Also, the North Canadian River north of Bearden rose enough to cover a portion of OK Hwy 48.

Okmulgee County Countywide

26	0900CST 1300CST				0	0	70K		Flash Flood
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Numerous streets and county roads were flooded. There was a culvert washout between Beggs and US Hwy 75 that isolated several families. There was one other bridge washout and three other county roads that were closed by flooding. 221st Street between Peoria and Lewis was impassable. In Henryetta, two people had to be rescued from a pickup after it stalled in chest-high water on a county road.

Pittsburg County Countywide

26	0900CST 1300CST				0	0			Flash Flood
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A county road was flooded 7 miles north of McAlester when Coal Creek approached bankfull.

Tulsa County Countywide

26	0900CST 1300CST				0	0	40K		Flash Flood
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More than 20 streets in Tulsa had to be closed. Tulsa police responded to 39 vehicles that were stalled in high water. Mingo Creek overflowed, flooding undeveloped areas near 36th Street North. Lower Haikey Creek at 101st Street also overflowed its banks.

In Glenpool, water seeped into five homes, and firefighters had to free passengers from vehicles in two separate incidents. Street closings included 121st Street and Elwood, and 181st Street west of US Hwy 75.

Flooding in a few homes and street flooding were also reported from Jenks and Bixby.

Low-lying rural roads near Owasso also had flooding problems. Otherwise, mainstem river flooding along the Bird Creek affected northern Tulsa County. See the separate river Flood entry for more details.

In Sand Springs, a daycare center on 177th West Avenue north of Shell Creek Lake dam had to be evacuated.

In Broken Arrow, several streets were flooded, including Kenosha and Midway, Kenosha and Shelby Lane at Covington, Kenosha and 234th, Washington and 23rd, and New Orleans at 23rd. There was also water over 23rd and Tucson. Haikey Creek west of Olive experienced flooding problems. One vehicle became stranded on Midway south of Kenosha.



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Eastern

Cherokee County

Countywide	26	1100CST 1300CST			0	0			Flash Flood
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In Tahlequah, heavy rains forced the closing of several city streets. Several county roads were also closed.

Mayes County

Countywide	26	1100CST 1300CST			0	0	15K		Flash Flood
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Numerous county roads were flooded, including Nipak Road southeast of Pryor, old Airport Road, and Scenic US Hwy 412 near Locust Grove. Wolf Creek overflowed its banks, closing Cole-Strang Road. Parts of the approach to the Wolf Creek bridge were washed away.

Muskogee County

Countywide	26	1100CST 1300CST			0	0			Flash Flood
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Several county roads were closed by flooding.

Nowata County

South Portion	26	1100CST 1300CST			0	0			Flash Flood
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Flooding forced the closing of county roads leading to Talala.

Osage County

Southeast Portion	26	1100CST 1300CST			0	0			Flash Flood
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Rock School Road west of Sperry was closed.

Rogers County

Countywide	26	1100CST 1300CST			0	0	30K		Flash Flood
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Near Claremore, OK Hwy 66 north of the city was closed for an hour by high water. Cat Creek overflowed its banks and flooded South Muskogee Avenue. Many other streets experienced less serious flooding.

In Inola, five homes and a business were flooded near the 100 block of East Commercial and NE C Street. Rural areas to the south of town experienced significant flooding.

Low-lying rural roads near Catoosa and Chelsea also had flooding problems.

Wagoner County

Countywide	26	1100CST 1300CST			0	0			Flash Flood
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OK Hwy 16 south of Wagoner, near Okay, was under water. Midway Road in western Wagoner County was under four feet of water.

Washington County

South Portion	26	1100CST 1300CST			0	0			Flash Flood
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Secondary roads south of Bartlesville had standing water. Some roads had to be closed.

Tulsa County

Glenpool	26	1200CST			0	0	5K		Lightning
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Lightning struck a home on South Quince in Glenpool, starting two small fires and rendering useless all appliances that were plugged in.

Craig County

Countywide	26	1300CST 1500CST			0	0			Flash Flood
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Rural roads south of Vinita were closed by high water. US Hwy 69 north of Big Cabin had water covering the road.

Ottawa County

Countywide	26	1300CST 1500CST			0	0	150K		Flash Flood
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Tar Creek in Miami overflowed flooding 30 homes in the east side of the city. Numerous streets in the city of Miami were closed by high water.

Summary of flash flooding on April 26 1999:

Following three to five inches of rain on April 25, a broad band of rain and thunderstorms shifted across all of eastern Oklahoma on the morning of April 26 in advance of a closed upper-level low. Widespread rainfall amounts of 1.5 to 3 inches of rain fell, bringing two-day rainfall totals for much of northeast Oklahoma into the 5- to 7-inch range. With grounds already saturated from



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Eastern

rains the day before and creeks already flowing high, this added rainfall led to more serious flash flooding across much of northeast Oklahoma. The heaviest rain fell in the northeast corner of the state. The following are some of the heavier rainfall amounts measured on the morning of April 26 (in inches): Vinita...3.11", Claremore...3.08", Big Cabin...2.58", Commerce...2.49", Tahlequah_4N...2.09", Okemah...2.00", and Bixby_2NE...1.86". The new round of rainfall worsened what was already major mainstem river flooding.