



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

ARKANSAS, Northwest

| | | | | | | | | | |
|--|--|----------------------------|-----------|------------|----------|----------|--------------|--|--------------------------------|
| ARZ019-029 | Crawford - Sebastian | | | | | | | | |
| | 01 | 0000CST | | | 0 | 0 | | | Flood |
| | 14 | 1900CST | | | | | | | |
| | The Arkansas River at Van Buren started the month of May above its flood stage of 22 feet following a crest of 24.0 feet on April 28. The river remained above flood stage until 800 PM CDT on May 14. | | | | | | | | |
| Benton County | | | | | | | | | |
| Siloam Spgs | 04 | 0200CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Benton County | | | | | | | | | |
| Centerton | 04 | 0230CST | | | 0 | 0 | 15K | | Thunderstorm Wind |
| | Small outbuildings were destroyed, trees were blown down, and pull-behind trailers were either damaged or moved. | | | | | | | | |
| Washington County | | | | | | | | | |
| Prairie Grove | 04 | 0820CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Carroll County | | | | | | | | | |
| Beaver | 04 | 0900CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| | Several large tree limbs were blown down. | | | | | | | | |
| Madison County | | | | | | | | | |
| Clifty | 04 | 0915CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| | Several large tree limbs were blown down. | | | | | | | | |
| Benton County | | | | | | | | | |
| Highfill | 04 | 1135CST | | | 0 | 1 | | | Lightning |
| | A man was injured when lightning struck a company trailer that he was unloading at the Northwest Arkansas Regional Airport. | | | | | | | | |
| Crawford County | | | | | | | | | |
| 6 NW Natural Dam to 8 NNW Natural Dam | 04 | 1216CST 1220CST | 3 | 175 | 0 | 0 | 3K | | Tornado (F3) |
| | A significant long-track tornado first developed 4 miles west of Short, OK, moving northeast to about 7 miles southwest of Fayetteville, AR. This tornado reached its peak strength as an F3 tornado as it clipped extreme southeast Adair County, OK. This tornado then clipped extreme northwest Crawford County, passing through an unpopulated, forested area in the Ozark National Forest. An aerial survey by NWS personnel just west of the Oklahoma/Arkansas state line west of Natural Dam revealed that every tree in a hardwood forest was completely leveled. Property damage listed with this entry reflects tree damage sustained in Crawford County, while the F-rating reflects the tornado's peak strength in Adair County, OK. | | | | | | | | |
| Washington County | | | | | | | | | |
| 3 WSW Odell to 7 SW Fayetteville | 04 | 1220CST 1237CST | 22 | 175 | 0 | 0 | 80K | | Tornado (F3) |
| | A significant long-track tornado first touched down 4 miles west of Short, OK, and tracked 39 miles to a point about 7 miles southwest of Fayetteville, AR. Along the way, this tornado passed through portions of four counties but mainly affected sparsely-populated areas. It reached its peak strength as an F3 tornado in extreme southeast Adair County, OK, but mainly caused F2 damage in Washington County, AR. Fortunately, this tornado lifted before it reached heavily-populated Fayetteville. | | | | | | | | |
| | The tornado's first real property damage took place at a property between the Hogeye and Strickland communities, where the tornado peeled off the roof to a home, shattered windows, uprooted trees, destroyed two barns, and wiped a porch off of its stone foundation. Numerous trees were blown down along County Roads 212 and 214. | | | | | | | | |
| | Only a few miles away in the Cove Creek community, south of Prarie Grove, the tornado blew off a home's roof, demolished an enclosed garage, and destroyed a barn. A flagpole was bent almost in half, and a road sign ended up wrapped around a mailbox. The tornado uprooted a 200-year old walnut tree which then fell onto a pickup truck. About a half-dozen other oak and cedar trees on one property dating back at least 150 years were snapped or uprooted. The Washington County Judge's Office supplied a picture of a church near Cove Creek that was moved off of its foundation. Several poultry buildings along the tornado's path were also damaged. | | | | | | | | |
| | The property damage listed in this entry is for just that damage sustained in Washington County, while the F-rating reflects the tornado's peak strength in Adair County, OK. | | | | | | | | |
| Washington County | | | | | | | | | |
| Springdale | 04 | 1305CST | | | 0 | 0 | | | Hail (1.00) |
| Benton County | | | | | | | | | |
| Monte Ne | 04 | 1325CST | | | 0 | 0 | 10K | | Thunderstorm Wind |



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

ARKANSAS, Northwest

A manufactured home was damaged by a falling tree.

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| Benton County | | | | | | | | | |
| Gentry | 04 | 1330CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |

A large tree was blown down.

| | | | | | | | | | |
|----------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| Benton County | | | | | | | | | |
| Gentry | 04 | 1350CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |

Several large tree limbs were blown down.

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|--------------------------|-----------|----------------|--|--|----------|----------|--|--|--------------------------------|
| Washington County | | | | | | | | | |
| 6 E Springdale | 04 | 1400CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |

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|-------------------------|-----------|----------------|--|--|----------|----------|--|--|--------------------|
| Sebastian County | | | | | | | | | |
| Hackett | 04 | 1415CST | | | 0 | 0 | | | Hail (0.75) |

Location: the greater Hackett/Bonanza area

| | | | | | | | | | |
|-------------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|
| Crawford County | | | | | | | | | |
| 5 NW Natural Dam | 04 | 1425CST | | | 0 | 0 | 1K | | Thunderstorm Wind |

Numerous trees were blown down.

| | | | | | | | | | |
|------------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|
| Crawford County | | | | | | | | | |
| Davidson | 04 | 1430CST | | | 0 | 0 | 9K | | Thunderstorm Wind |

A car was blown off of a road. Numerous trees were blown down.

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| Benton County | | | | | | | | | |
| Countywide | 04 | 1600CST 1700CST | | | 0 | 0 | | | Flash Flood |

Water covered numerous roads. Flooding forced the evacuation of a family from their manufactured home off of AR Hwy 94 in the Monte Ne area, east of Rogers. Water ran over other roads in the Cave Springs area.

Summary of events for May 4 1999:

Following a record tornado outbreak in Oklahoma on May 3-4, a significant severe weather outbreak affected northwest Arkansas on the morning and afternoon of May 4 as a vigorous upper level system continued to move slowly east.

While there were many individual storms in the area on May 4, the most outstanding storm of the day was a supercell thunderstorm that spawned a tornado in Sequoyah County, OK, which then moved northeast for 39 miles to near Fayetteville. Other storms produced damaging winds and large hail.

| | | | | | | | | | |
|------------------------|-----------|----------------|--|--|----------|----------|--|--|--------------------------------|
| Crawford County | | | | | | | | | |
| Van Buren | 11 | 2230CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |

| | | | | | | | | | |
|-------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| Sebastian County | | | | | | | | | |
| Lavaca | 11 | 2230CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |

A large tree was uprooted in Lavaca.

Summary of events for May 11 1999:

A slow-moving cold front was located in a north-south fashion across eastern Oklahoma on the evening of May 11. Numerous severe thunderstorms formed in eastern Oklahoma that evening. While most of the storms were confined to eastern Oklahoma, one thunderstorm moved eastward through the Arkansas River valley and into western Arkansas. This storm mainly produced marginally severe winds late in the evening.

| | | | | | | | | | |
|-------------------|-----------|-----------------------------|--|--|----------|----------|--|--|--------------|
| ARZ019-029 | | | | | | | | | |
| | | Crawford - Sebastian | | | | | | | |
| | 16 | 0200CST | | | 0 | 0 | | | Flood |
| | 20 | 2100CST | | | | | | | |

The Arkansas River at Van Buren rose above its flood stage of 22 feet at 300 AM CDT on May 16. The river crested at a level of 24.0 feet at 200 PM CDT on May 18 before falling back below flood stage at 1000 PM CDT on May 20.

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| Benton County | | | | | | | | | |
| Gentry | 17 | 0200CST | | | 0 | 0 | 3K | | Thunderstorm Wind |

Around 300 AM CDT in Gentry, winds left uprooted trees, downed power lines, and blocked roads.



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
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ARKANSAS, Northwest

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|---|----|--------------------|--|--|---|---|-------|--|-------------------|
| Benton County | | | | | | | | | |
| Siloam Spgs | 17 | 0200CST | | | 0 | 0 | 15K | | Thunderstorm Wind |
| Around 300 AM CDT in Siloam Springs, a 60-70 foot tall tree blew onto a parked motor home on Oak Crest Drive. | | | | | | | | | |
| Crawford County | | | | | | | | | |
| Natural Dam | 17 | 0215CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| A church sign was blown down. | | | | | | | | | |
| Washington County | | | | | | | | | |
| Harmon to Tontitown | 17 | 0215CST 0220CST | | | 0 | 0 | 10K | | Thunderstorm Wind |
| High winds uprooted several trees and damaged power lines in Harmon around 315 AM CDT. The wind snapped nine poles and damaged at least three transformers. In Tontitown, around 320 AM CDT, a restaurant had its awning blown off, and a tree fell onto a mobile home. Several other trees were blown down in Tontitown. | | | | | | | | | |
| Benton County | | | | | | | | | |
| Gravette | 17 | 0220CST | | | 0 | 0 | 6K | | Thunderstorm Wind |
| A U-Haul trailer was blown over, and power lines were blown down in Gravette. | | | | | | | | | |
| Washington County | | | | | | | | | |
| Cincinnati | 17 | 0225CST | | | 0 | 0 | 0.60K | | Thunderstorm Wind |
| Several large trees were uprooted, and many large tree limbs were blown down. | | | | | | | | | |
| Washington County | | | | | | | | | |
| Prairie Grove | 17 | 0225CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Trees were blown down in Prairie Grove. | | | | | | | | | |
| Benton County | | | | | | | | | |
| Highfill | 17 | 0230CST | | | 0 | 0 | 60K | | Thunderstorm Wind |
| High winds blew over an 84,000-square-foot airplane hangar under construction at the Northwest Arkansas Regional Airport. There was also minor damage to an existing hangar at the airport. The ASOS at the airport measured a peak wind gust of 46 knots (53 mph). | | | | | | | | | |
| Washington County | | | | | | | | | |
| Fayetteville | 17 | 0230CST | | | 0 | 0 | 20K | | Thunderstorm Wind |
| High winds blew the roof off of a clothing store in the 2300 block of College Avenue in Fayetteville. The ASOS at the Fayetteville Regional Airport (Drake Field) measured a peak wind gust of 47 knots (54 mph). | | | | | | | | | |
| Benton County | | | | | | | | | |
| Rogers | 17 | 0240CST | | | 0 | 0 | 5K | | Thunderstorm Wind |
| At least a half-dozen trees were blown down in Rogers. County road crews had to clear at least 50 trees and tree limbs that were blown into roads throughout Benton County. | | | | | | | | | |
| Washington County | | | | | | | | | |
| Elkins | 17 | 0245CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Trees and tree limbs were blown down near Elkins. | | | | | | | | | |
| Benton County | | | | | | | | | |
| Wareagle | 17 | 0247CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Several trees were blown down in War Eagle. | | | | | | | | | |
| Franklin County | | | | | | | | | |
| Fern | 17 | 0253CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Trees were blown down across highways in Fern. | | | | | | | | | |
| Carroll County | | | | | | | | | |
| Eureka Spgs | 17 | 0257CST | | | 0 | 0 | 2K | | Thunderstorm Wind |
| Trees and power lines were blown down in Eureka Springs. | | | | | | | | | |
| Carroll County | | | | | | | | | |
| Grandview | 17 | 0303CST | | | 0 | 0 | 1.5K | | Thunderstorm Wind |



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
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ARKANSAS, Northwest

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|--|----|--------------------|-----|----|---|---|-------|--|-------------------|
| Trees were blown down over a fence in Grandview. | | | | | | | | | |
| Madison County | | | | | | | | | |
| 1 N Clifty | 17 | 0305CST | | | 0 | 0 | 2K | | Thunderstorm Wind |
| Winds toppled a large tree north of Clifty into a large power line, knocking out power to about 4,500 electric customers. | | | | | | | | | |
| Madison County | | | | | | | | | |
| 5 N Huntsville to Huntsville | 17 | 0305CST | | | 0 | 0 | 1K | | Thunderstorm Wind |
| Trees were blown down across highways in the Huntsville area. Several trees were also blown down in Withrow Springs State Park, 5 miles north of Huntsville. | | | | | | | | | |
| Carroll County | | | | | | | | | |
| Berryville | 17 | 0325CST | | | 0 | 0 | 3K | | Thunderstorm Wind |
| There were numerous reports of trees across roadways throughout Carroll County. | | | | | | | | | |
| Washington County | | | | | | | | | |
| 3 SW Farmington | 17 | 0959CST | 0.5 | 50 | 0 | 0 | 0.50K | | Tornado (F0) |
| There was a brief tornado touchdown in a rural area southwest of Farmington. Damage was limited to trees. | | | | | | | | | |
| Washington County | | | | | | | | | |
| Fayetteville | 17 | 1000CST | | | 0 | 0 | 10K | | Thunderstorm Wind |
| Siding was blown off several houses in Fayetteville. Tree limbs were also blown down. | | | | | | | | | |
| Madison County | | | | | | | | | |
| 8 NE Forum | 17 | 1007CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Trees were blown down near the Ozark Science Center. | | | | | | | | | |
| Washington County | | | | | | | | | |
| Elkins | 17 | 1010CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Trees and tree limbs were blown down in Elkins. | | | | | | | | | |
| Crawford County | | | | | | | | | |
| Van Buren | 17 | 1015CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Tree limbs were blown down in Van Buren. | | | | | | | | | |
| Carroll County | | | | | | | | | |
| 8 NE Green Forest | 17 | 1030CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Several large tree limbs were blown down northeast of Green Forest. | | | | | | | | | |
| Benton County | | | | | | | | | |
| Rogers | 17 | 1051CST | | | 0 | 0 | 1K | | Thunderstorm Wind |
| A tree was blown onto power lines near 14th and West Oak Streets in Rogers, knocking out power to 2,000 electric customers. | | | | | | | | | |
| Crawford County | | | | | | | | | |
| 2 N Alma | 17 | 1130CST | | | 0 | 0 | 50K | | Lightning |
| A bolt of lightning knocked the door and several bricks off of a house north of Alma. The bolt ultimately lit fire to and destroyed the house. The house was located in the 7500 block of Mote Road off of US Hwy 71 north of Alma. | | | | | | | | | |
| Sebastian County | | | | | | | | | |
| Countywide | 17 | 1420CST 1800CST | | | 0 | 0 | 10K | | Flash Flood |
| Flood waters seeped into the basement of the Greenwood city hall around 325 PM CDT. High water forced the closing of AR Hwy 60 east of AR Hwy 252 around 645 PM CDT. Several streets in Fort Smith were closed by high water around 500 PM CDT. The northeastern part of downtown Fort Smith was especially hard-hit by high water, where Phoenix Avenue and the Jenny Lind Road intersection nearly had to be closed. | | | | | | | | | |
| Franklin County | | | | | | | | | |
| Branch | 17 | 1438CST | | | 0 | 0 | | | Hail (0.75) |
| Franklin County | | | | | | | | | |
| South Portion | 17 | 1600CST 1700CST | | | 0 | 0 | 10K | | Flash Flood |
| A bridge washed out on Chaffee Road in Charleston when water covered the road to four feet deep. | | | | | | | | | |



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ARKANSAS, Northwest

**Madison County
Huntsville**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 17 | 1700CST | | | | 0 | 0 | | | Hail (1.50) |
|----|---------|--|--|--|---|---|--|--|--------------------|

Summary of events for May 17 1999:

A large bow echo, a radar signature associated with high winds, moved out of eastern Oklahoma and across northwest Arkansas early on the morning of May 17. Indeed, this line of storms produced widespread wind gusts strong enough to knock down trees and tree branches. By late morning, scattered thunderstorms re-developed across northwest Arkansas, one of which showed strong rotation and produced a brief tornado touchdown in Washington County. By mid-afternoon, an outflow boundary established itself along the Arkansas River valley and acted as a focus for more thunderstorm development. Training of thunderstorm cells along the outflow boundary led to heavy rainfall, though there were some marginally severe thunderstorms that developed along the outflow boundary.

**Washington County
Fayetteville**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------------|
| 21 | 0430CST | | | | 0 | 0 | 0.50K | | Thunderstorm Wind (G52) |
|----|---------|--|--|--|---|---|-------|--|--------------------------------|

Numerous large tree branches were blown down in Fayetteville.

**Sebastian County
Ft Smith to
Greenwood**

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 21 | 0730CST 0800CST | | | | 0 | 0 | | | Flash Flood |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

There was street flooding in Fort Smith and Greenwood.

Summary of events for May 21 1999:

A line of thunderstorms moved out of eastern Oklahoma and into northwest Arkansas during the early morning of May 21. This line of storms was responsible for producing strong winds in Fayetteville. Later in the morning, the line became stationary in Sebastian County, causing localized flooding there.

ARZ019-029

Crawford - Sebastian

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------|
| 21 | 1800CST | | | | 0 | 0 | | | Flood |
| 31 | 2359CST | | | | | | | | |

The Arkansas River at Van Buren rose above its flood stage of 22 feet at 700 PM CDT on May 21. The river crested at a level of 23.8 feet at Noon CDT on May 24 before falling back below flood stage at 300 AM CDT on June 1.

**Benton County
Siloam Spgs**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1500CST | | | | 0 | 0 | | | Hail (0.75) |
|----|---------|--|--|--|---|---|--|--|--------------------|

**Washington County
Prairie Grove**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1613CST | | | | 0 | 0 | | | Hail (0.75) |
|----|---------|--|--|--|---|---|--|--|--------------------|

**Washington County
Springdale**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1630CST | | | | 0 | 0 | | | Hail (1.00) |
|----|---------|--|--|--|---|---|--|--|--------------------|

**Madison County
2 W Japton**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1700CST | | | | 0 | 0 | | | Hail (0.75) |
|----|---------|--|--|--|---|---|--|--|--------------------|

**Crawford County
Natural Dam**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1740CST | | | | 0 | 0 | | | Hail (1.00) |
|----|---------|--|--|--|---|---|--|--|--------------------|

**Franklin County
2 N Ozark to
Altus**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1750CST | | | | 0 | 0 | | | Hail (1.00) |
|----|---------|--|--|--|---|---|--|--|--------------------|

There were two reports of quarter-sized hail at the same time...the first from near AR Hwy 23 and I-40, the second from in Altus.

**Sebastian County
Mansfield**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1832CST | | | | 0 | 0 | | | Hail (0.75) |
|----|---------|--|--|--|---|---|--|--|--------------------|

Summary of events for May 22 1999:

Scattered severe thunderstorms formed along a slow-moving cold front on the afternoon of May 22. Most thunderstorms that formed moved slowly, though the severe weather emphasis shifted south during the afternoon and evening as the front moved south. These severe thunderstorms produced hail to the size of quarters.

**Carroll County
Eureka Spgs**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 23 | 0215CST | | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

A few large tree limbs were blown down in Eureka Springs.



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ARKANSAS, Northwest

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| Benton County | | | | | | | | | |
| 5 E Lowell | 23 | 0225CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |

Several trees were blown down east of Lowell.

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|-----------------------|----|---------|--|--|---|---|-------|--|-------------------|
| Madison County | | | | | | | | | |
| Clifty | 23 | 0225CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |

A few large tree limbs were blown down in Clifty.

| | | | | | | | | | |
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| Washington County | | | | | | | | | |
| Springdale | 23 | 0230CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |

Several trees were blown down in Springdale.

Summary of events for May 23 1999:

A nocturnal bow-echo MCS moved south out of Kansas and Missouri early on the morning of May 23. These storms were gradually weakening as they moved southeast and dropped below severe levels by the time they moved south of the Boston Mountains. The primary threat from these storms were marginally severe wind gusts.

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| Benton County | | | | | | | | | |
| Siloam Spgs | 31 | 0600CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |

Tree limbs were blown down in Siloam Springs.

| | | | | | | | | | |
|--------------------------|----|---------|--|--|---|---|--|--|-------------------------|
| Washington County | | | | | | | | | |
| 2 N Odell | 31 | 0640CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |

Summary of events for May 31 1999:

A nocturnal bow-echo MCS moved southward across eastern Oklahoma and far western Arkansas early on the morning of May 31. These storms mainly produced marginally severe winds close to the Oklahoma border. The storms weakened as they moved south of the Boston Mountains.

OKLAHOMA, Eastern

| | | | | | | | | | |
|----------------------|----|---------|------------------------------------|--|---|---|--|--|-------|
| OKZ064>066 | | | | | | | | | |
| | | | Creek - Okfuskee - Okmulgee | | | | | | |
| | 01 | 0000CST | | | 0 | 0 | | | Flood |
| | 11 | 0800CST | | | | | | | |

The Deep Fork River at Beggs started the month of May above its flood stage of 18 feet following a crest of 27.1 feet on April 29. The river remained above flood stage until 900 AM CDT on May 11.

| | | | | | | | | | |
|---------------------|----|---------|--|--|---|---|--|--|-------------|
| Creek County | | | | | | | | | |
| Shamrock | 03 | 2122CST | | | 0 | 0 | | | Hail (1.00) |

| | | | | | | | | | |
|------------------------------|----|--------------------|---|-----|---|---|----|--|--------------|
| Creek County | | | | | | | | | |
| 3 W Milfay to 1 NW Milfay | 03 | 2146CST 2150CST | 2 | 150 | 0 | 0 | 2K | | Tornado (F3) |

This tornado started out in central Lincoln County, travelling northeast and passing through the eastern Lincoln County town of Stroud. This tornado caused considerable damage in Stroud, most notably to the Tanger Factory Outlet Center. For more information on the Lincoln County portion of this tornado, refer to the Tornado entry for the Central and Western Oklahoma Storm Data compiled by the National Weather Service Office in Norman. This tornado continued on into Creek County, travelling on the ground for two miles before lifting just northwest of Milfay. This tornado reached F3 strength at its peak in Lincoln County but had started weakening by the time it entered Creek County. The path length listed with this Tornado entry only incorporates that part of the tornado path in Creek County. Fortunately in Creek County, the tornado travelled through an unpopulated rural area and was only responsible for tree damage.

| | | | | | | | | | |
|---------------------|----|---------|--|--|---|---|--|--|-------------|
| Creek County | | | | | | | | | |
| Sapulpa | 03 | 2202CST | | | 0 | 0 | | | Hail (0.75) |

| | | | | | | | | | |
|------------------------|----|---------|--|--|---|---|--|--|-------------|
| Okmulgee County | | | | | | | | | |
| Dewar | 03 | 2230CST | | | 0 | 0 | | | Hail (0.75) |

| | | | | | | | | | |
|---------------------|----|---------|--|--|---|---|-------|--|-------------------|
| Osage County | | | | | | | | | |
| 10 WNW Hominy | 03 | 2235CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |

A power pole was blown down between Hominy and Fairfax.



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Storm Data and Unusual Weather Phenomena



May 1999

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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

Osage County

| | | | | | | | | | |
|--------------|----|---------|--|--|---|---|-------|--|-------------------|
| 10 NW Hominy | 03 | 2245CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
|--------------|----|---------|--|--|---|---|-------|--|-------------------|

A power pole was blown down.

Creek County

| | | | | | | | | | |
|--------------------------|----|--------------------|---|----|---|---|-----|--|--------------|
| 2 WSW Sapulpa to Sapulpa | 03 | 2258CST 2300CST | 2 | 50 | 0 | 0 | 40K | | Tornado (F0) |
|--------------------------|----|--------------------|---|----|---|---|-----|--|--------------|

An F0 tornado moved through Sapulpa's central business district on Dewey Street, causing mostly cosmetic damage in the form of broken storefront windows and glass on the sidewalk.

Creek County

| | | | | | | | | | |
|------------------------------|----|--------------------|-----|-----|---|---|------|--|--------------|
| 2 NE Sapulpa to 6 NE Sapulpa | 03 | 2308CST 2318CST | 5.5 | 150 | 0 | 0 | 6.5M | | Tornado (F1) |
|------------------------------|----|--------------------|-----|-----|---|---|------|--|--------------|

The same system that earlier caused a destructive tornado in Stroud and a less destructive tornado in southwest Creek County produced an F1 tornado which first touched down in the north side of Sapulpa near OK Hwy 97 and Interstate 44. The tornado then skipped through an industrial area before moving across I-44. From there, the tornado travelled northeast parallel to and just south of the New Sapulpa Road (OK Hwy 66), taking out a string of homes and businesses before eventually reaching Tulsa County. This tornado tracked a total of 7 miles, 5.5 miles of which was in Creek County. The Hilton Mobile Home Park was especially hard-hit, where about 15 mobile homes were damaged or destroyed. Twenty-four residents of the mobile home park were treated on the scene for minor injuries, but none required a hospital visit. Needless to say, this tornado also blew down numerous power lines and trees. All in all, along its path in Creek County, this tornado heavily damaged 12 homes and caused light to moderate damage to about 150 others. Twenty mobile homes were heavily damaged, and 25 businesses were damaged. Total property damage in Creek County is estimated at \$5.5 million. For more information on this tornado, see the Tulsa County Tornado entry for information on the last 1.5 miles of its track.

Mayes County

| | | | | | | | | | |
|-------|----|---------|--|--|---|---|--|--|-------------|
| Adair | 03 | 2315CST | | | 0 | 0 | | | Hail (0.75) |
|-------|----|---------|--|--|---|---|--|--|-------------|

Tulsa County

| | | | | | | | | | |
|-------|----|--------------------|-----|-----|---|---|----|--|--------------|
| Tulsa | 03 | 2318CST 2321CST | 1.5 | 150 | 0 | 0 | 2M | | Tornado (F1) |
|-------|----|--------------------|-----|-----|---|---|----|--|--------------|

A tornado that originally touched down on the north side of Sapulpa traveled northeast, eventually reaching Tulsa County. This tornado caused considerable damage in several neighborhoods on the southwest side of the city of Tulsa. The majority of the damage was confined to an area roughly bounded on the east by 33rd West Avenue, on the west by 41st West Avenue, on the north by Union Avenue, and on the south by 65th Street South. The most publicized damage occurred at the Carbondale Assembly of God Church (2135 West 51st Street), where the second story of the building was reduced to rubble. Remington Elementary School (2524 W. 53rd Street) was damaged to the point where students had to finish the last two weeks of class elsewhere. The West Regional Library (2224 W. 51st Street) lost about one-third of its roof, and Fire Station #26 sustained minor damage. Four industrial businesses sustained damage, and 70 homes were damaged by the tornado. Damage in Tulsa County is estimated at \$2 million. For more information on the Creek County portion of this tornado, see the Tornado entry for Creek County. The combined path length through Creek and Tulsa Counties is 7 miles.

Okfuskee County

| | | | | | | | | | |
|---------|----|---------|--|--|---|---|--|--|-------------------------|
| Pharoah | 03 | 2325CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
|---------|----|---------|--|--|---|---|--|--|-------------------------|

Okmulgee County

| | | | | | | | | | |
|---------------|----|---------|--|--|---|---|-------|--|-------------------|
| 3 W Henryetta | 03 | 2327CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
|---------------|----|---------|--|--|---|---|-------|--|-------------------|

A tree and several tree limbs were blown down.

Rogers County

| | | | | | | | | | |
|----------------|----------|--------------------|--|--|---|---|--|--|----------------------|
| 6 NE Bushyhead | 03 04 | 2330CST 0030CST | | | 0 | 0 | | | Urban/Sml Stream Fld |
|----------------|----------|--------------------|--|--|---|---|--|--|----------------------|

There was street flooding in Chelsea. Water threatened businesses on Main Street in Chelsea.

Osage County

| | | | | | | | | | |
|------------|----|---------|--|--|---|---|--|--|-------------------------|
| 2 N Hominy | 03 | 2344CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
|------------|----|---------|--|--|---|---|--|--|-------------------------|

Pawnee County

| | | | | | | | | | |
|---------|----------|--------------------|--|--|---|---|--|--|-------------|
| Maramec | 03 04 | 2355CST 0005CST | | | 0 | 0 | | | Hail (1.00) |
|---------|----------|--------------------|--|--|---|---|--|--|-------------|

Tulsa County

| | | | | | | | | | |
|-----------------|----|--------------------|--|--|---|---|--|--|------------|
| Tulsa Intl Arpt | 04 | 0000CST 2359CST | | | 0 | 0 | | | Heavy Rain |
|-----------------|----|--------------------|--|--|---|---|--|--|------------|

The daily rainfall total for May 4 of 2.30 inches was the most rainfall ever recorded on May 4 and is therefore a new record daily rainfall for the date.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

| | | | | | | | | | |
|--|----|--------------------|-----|-----|---|---|-------|--|-------------------|
| Tulsa County | | | | | | | | | |
| Tulsa | 04 | 0002CST | | | 0 | 0 | | | Hail (0.75) |
| Location: I-44 at the Arkansas River | | | | | | | | | |
| Pushmataha County | | | | | | | | | |
| Dunbar | 04 | 0030CST | | | 0 | 0 | | | Hail (0.75) |
| Pushmataha County | | | | | | | | | |
| Dunbar | 04 | 0030CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Many tree limbs were blown down. | | | | | | | | | |
| Osage County | | | | | | | | | |
| 4 W Hominy | 04 | 0032CST | | | 0 | 0 | | | Hail (0.75) |
| Wagoner County | | | | | | | | | |
| Coweta | 04 | 0045CST | | | 0 | 0 | 2K | | Thunderstorm Wind |
| Numerous trees were blown down. | | | | | | | | | |
| Muskogee County | | | | | | | | | |
| 1 S Boynton | 04 | 0059CST | 0.5 | 50 | 0 | 0 | | | Tornado (F0) |
| There was a brief tornado touchdown south of Boynton. | | | | | | | | | |
| Cherokee County | | | | | | | | | |
| 2.5 WNW Hulbert to 3 N Hulbert | 04 | 0100CST 0101CST | 3 | 100 | 0 | 0 | 35K | | Tornado (F1) |
| An F1 tornado cut a swath through Cherokee County to the north and west of Hulbert. One mile north of OK Hwy 51 at a point two miles west of Hulbert, a house trailer was damaged, and trees and power lines were blown down. Three miles north of Hulbert near Blackbird Hill, numerous trees were uprooted, several sheds were destroyed, a mobile home was damaged, and roofs were torn off of several barns. | | | | | | | | | |
| Osage County | | | | | | | | | |
| 11 SW Skiatook | 04 | 0105CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Two large tree limbs were blown down at the Zink Ranch. | | | | | | | | | |
| Okfuskee County | | | | | | | | | |
| Weleetka | 04 | 0130CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Several tree limbs were blown down. | | | | | | | | | |
| Okmulgee County | | | | | | | | | |
| Henryetta to Dewar | 04 | 0130CST 0300CST | | | 0 | 0 | 10K | | Flash Flood |
| Several roads in Dewar and Henryetta were closed between 230 AM and 500 AM CDT. Coal Creek overflowed its banks and closed OK Hwy 266 for a time around 1000 to 1030 AM CDT. Seven houses near the tennis courts on Lake Road had to be evacuated. A home on South Fourt in Henryetta was flooded. | | | | | | | | | |
| Okmulgee County | | | | | | | | | |
| 1 W Henryetta | 04 | 0140CST | | | 0 | 0 | 2K | | Thunderstorm Wind |
| A newspaper clipping showed a picture of a large tree that fell on a home just west of Henryetta. Otherwise, numerous tree limbs were blown down. | | | | | | | | | |
| Okfuskee County | | | | | | | | | |
| 2 N Clearview | 04 | 0145CST | | | 0 | 0 | 10K | | Thunderstorm Wind |
| A barn was about 75 percent destroyed. | | | | | | | | | |
| Cherokee County | | | | | | | | | |
| Eldon | 04 | 0200CST | | | 0 | 0 | 1K | | Thunderstorm Wind |
| Several large trees had their tops twisted out. | | | | | | | | | |
| Cherokee County | | | | | | | | | |
| 1 E Tahlequah | 04 | 0200CST | | | 0 | 0 | 5K | | Lightning |
| Lightning blew shingles from a house roof and caused a fire in the home's attic. The time of this event is a gross estimate. | | | | | | | | | |



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

| | | | | | | | | | |
|--|----|---------|-----|----|---|---|-------|--|-------------------------|
| Wagoner County 1 SE Wagoner | 04 | 0207CST | | | 0 | 0 | | | Hail (0.88) |
| Wagoner County Wagoner | 04 | 0207CST | | | 0 | 0 | 1K | | Thunderstorm Wind |
| A sheriff's deputy on patrol on US Hwy 69 near Baker's Catfish Restaurant had his car spun completely around by strong winds. The deputy reported that the car nearly turned over. | | | | | | | | | |
| Adair County 4 NE Proctor | 04 | 0211CST | 0.5 | 50 | 0 | 0 | 1K | | Tornado (F1) |
| A brief F1 tornado touchdown caused many trees to be uprooted and broken. | | | | | | | | | |
| Adair County 5 N Proctor | 04 | 0215CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Numerous large tree limbs were blown down. | | | | | | | | | |
| Adair County Westville | 04 | 0245CST | | | 0 | 0 | 2K | | Thunderstorm Wind |
| There was a swath of tree damage stretching across Adair County from roughly Eldon in Cherokee County to Westville in Adair County. | | | | | | | | | |
| Osage County 4 N Hominy | 04 | 0630CST | 0.5 | 50 | 0 | 0 | | | Tornado (F0) |
| An amateur radio spotter reported a brief tornado touchdown north of Hominy. | | | | | | | | | |
| Latimer County 2 S Bengal | 04 | 0645CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| A large tree was blown over. | | | | | | | | | |
| Le Flore County 1 S Panama | 04 | 0730CST | | | 0 | 0 | | | Hail (0.75) |
| Osage County 5 W Hominy | 04 | 0812CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Osage County 5 W Hominy | 04 | 0816CST | | | 0 | 0 | | | Hail (0.75) |
| Osage County 1 NE Pawhuska | 04 | 0840CST | | | 0 | 0 | 125K | | Thunderstorm Wind |
| Roofs were blown off houses, windows were knocked out of buildings, four trailers were turned over, porches were knocked off houses, and numerous trees were blown down. Some of the worst damage occurred in Indian Camp. | | | | | | | | | |
| Washington County 1 S Copan | 04 | 0900CST | | | 0 | 0 | 135K | | Thunderstorm Wind |
| Significant damage was reported at several farms and residences on the south side of Copan. There were a total of four houses that received chimney and roof damage. Three barns were either heavily damaged or destroyed. A well house was destroyed, and a well's utility pole was broken. Several outbuildings and sheds were either heavily damaged or destroyed, and numerous trees were snapped or uprooted. One tree fell on a pasture fence, destroying it. A travel trailer and pop-up trailer at separate residences were destroyed. | | | | | | | | | |
| Pushmataha County 13 W Clayton | 04 | 0950CST | 0.5 | 50 | 0 | 0 | 0.50K | | Tornado (F1) |
| An F1 tornado touched down briefly near the Pushmataha/Pittsburg County line off of OK Hwy 43 in an unpopulated area 13 miles west of Clayton. After causing some tree damage, the tornado crossed briefly in Pittsburg County before lifting. | | | | | | | | | |
| Pittsburg County 18 S Hartshorne | 04 | 0951CST | 0.5 | 50 | 0 | 0 | 0.50K | | Tornado (F1) |
| An F1 tornado touched down briefly near the Pittsburg/Pushmataha County line along OK Hwy 43. The tornado crossed the county line in an unpopulated area, causing only tree damage. | | | | | | | | | |



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

| | | | | | | | | | |
|--|----|--------------------|----|-----|---|---|-------|--|--------------------------------|
| Pittsburg County 7 S Hartshorne | 04 | 1000CST | | | 0 | 0 | | | Hail (0.75) |
| Tulsa County Sand Spgs | 04 | 1015CST | | | 0 | 0 | | | Hail (0.75) |
| Choctaw County 5 N Messer | 04 | 1020CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Several large tree limbs were blown down. | | | | | | | | | |
| Latimer County 4 N Yanush | 04 | 1020CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| There was tree damage north of Yanush. | | | | | | | | | |
| Tulsa County Sperry | 04 | 1025CST | | | 0 | 0 | | | Hail (0.75) |
| Creek County 5 NW Depew | 04 | 1030CST | | | 0 | 0 | | | Hail (1.00) |
| Creek County 5 NW Depew | 04 | 1030CST | | | 0 | 0 | | | Thunderstorm Wind (G61) |
| Latimer County 2 S Panola to 7 N Red Oak | 04 | 1030CST 1049CST | 13 | 100 | 0 | 0 | 40K | | Tornado (F1) |
| An F1 tornado touched down south of Panola and moved northeast to the Latimer-Haskell county line. This tornado continued to a point in extreme southern Haskell County about 2 miles south of Lequire. Near Panola, this tornado blew down large trees and power lines, and it caused roof damage. After Panola, the tornado primarily affected sparsely-populated hilly terrain. | | | | | | | | | |
| Pushmataha County 2 W Cloudy | 04 | 1035CST | | | 0 | 0 | 1K | | Thunderstorm Wind |
| Trees and power lines were blown down. | | | | | | | | | |
| Creek County Bristow | 04 | 1037CST | | | 0 | 0 | | | Hail (0.75) |
| Creek County 2 S Bristow | 04 | 1045CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Trees were blown down. | | | | | | | | | |
| Haskell County 3 SSW Lequire to 2 S Lequire | 04 | 1049CST 1050CST | 1 | 100 | 0 | 0 | 1K | | Tornado (F1) |
| An F1 tornado that started in Latimer County 2 miles south of Panola eventually moved across the Haskell-Latimer County line, downing numerous trees 2 miles south of Lequire in extreme southern Haskell County before this tornado lifted. | | | | | | | | | |
| Haskell County 2 SW Mc Curtain to 3 S Keota | 04 | 1100CST 1115CST | 9 | 80 | 0 | 0 | 44K | | Tornado (F0) |
| An F0 tornado touched down 2 miles southwest of McCurtain and tracked to south of Keota. Along the way, the tornado heavily damaged several barns, knocked down numerous power lines, and uprooted numerous trees. The McCurtain area was especially hard-hit with numerous downed trees that blocked several roadways. | | | | | | | | | |
| Creek County 9 W Sapulpa | 04 | 1105CST | | | 0 | 0 | | | Hail (0.75) |
| Location: Heyburn Lake | | | | | | | | | |
| Rogers County Claremore | 04 | 1115CST 1215CST | | | 0 | 0 | | | Flash Flood |
| OK Hwy 20 near Claremore was closed with two feet of water over the roadway. In Chelsea, water seeped into businesses and over OK Hwy 66. US Hwy 169 between Talala and Oologah was closed for a time when the roadway became covered by two feet of water. A medical clinic in Oologah had nearly three feet of water inside. | | | | | | | | | |
| Tulsa County Sand Spgs | 04 | 1115CST | | | 0 | 0 | | | Hail (0.75) |



National Weather Service

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May 1999

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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

**Le Flore County
Cowlington**

| | | | | | | | | | |
|----|---------|-----|----|---|---|------|--|--|---------------------|
| 04 | 1121CST | 0.5 | 75 | 0 | 0 | 110K | | | Tornado (F1) |
|----|---------|-----|----|---|---|------|--|--|---------------------|

An F1 tornado touchdown in Cowlington. The tornado damaged eight single-family homes, destroyed two mobile homes, and damaged two trailers. A mattress was lodged in a tree behind a mobile home in which its roof was peeled back. The tornado also uprooted several trees.

**Tulsa County
Sperry**

| | | | | | | | | | |
|----|---------|--|--|---|---|--|--|--|--------------------|
| 04 | 1125CST | | | 0 | 0 | | | | Hail (0.75) |
|----|---------|--|--|---|---|--|--|--|--------------------|

**Nowata County
Nowata**

| | | | | | | | | | |
|----|--------------------|--|--|---|---|--|--|--|--------------------|
| 04 | 1130CST 1230CST | | | 0 | 0 | | | | Flash Flood |
|----|--------------------|--|--|---|---|--|--|--|--------------------|

Creeks around Nowata ran over some roads.

**Tulsa County
North Portion**

| | | | | | | | | | |
|----|--------------------|--|--|---|---|-----|--|--|--------------------|
| 04 | 1130CST 1230CST | | | 0 | 0 | 20K | | | Flash Flood |
|----|--------------------|--|--|---|---|-----|--|--|--------------------|

In Collinsville, the intersection of 5th and Main Streets had to be closed when two to three feet of water came quickly rushing onto the road. Water was one to two feet deep inside two downtown Collinsville businesses. Several businesses along 146th Street North also closed.

High water flooded quite a few streets in the city of Tulsa.

OK Hwy 11 north and south of Skiatook was closed by high water.

**Sequoyah County
Hanson to
2 S Akins**

| | | | | | | | | | |
|----|--------------------|---|----|---|---|-----|--|--|---------------------|
| 04 | 1134CST 1137CST | 2 | 80 | 0 | 0 | 90K | | | Tornado (F1) |
|----|--------------------|---|----|---|---|-----|--|--|---------------------|

An F1 tornado touchdown south of Akins destroyed several barns, damaged several house roofs, and caused extensive tree damage. One house had half of its roof crushed by a tree, and outbuildings and a tractor shed were destroyed. Another home was damaged by trees and blowing debris, and a mobile home was moved off of its foundation. Another mobile home was crushed by a tree.

**Sequoyah County
4 W Short to
5 N Short**

| | | | | | | | | | |
|----|--------------------|-----|-----|---|---|----|--|--|---------------------|
| 04 | 1154CST 1204CST | 6.5 | 175 | 0 | 0 | 7K | | | Tornado (F3) |
|----|--------------------|-----|-----|---|---|----|--|--|---------------------|

A significant long-track tornado first touched down in Sequoyah County 4 miles west of Short, travelling northeast for 39 miles to a point about 7 miles southwest of Fayetteville, AR. This tornado eventually reached its peak as an F3 tornado in extreme southeast Adair County. In Sequoyah County, this tornado travelled across a sparsely-populated part of the county, causing mostly tree damage. Property damage listed with this entry is just for the portion of the tornado in Sequoyah County, while the F-rating reflects the peak strength of the tornado in Adair County.

**Adair County
13 SSE Stilwell to
10 SE Stilwell**

| | | | | | | | | | |
|----|--------------------|---|-----|---|---|----|--|--|---------------------|
| 04 | 1204CST 1216CST | 7 | 175 | 0 | 0 | 7K | | | Tornado (F3) |
|----|--------------------|---|-----|---|---|----|--|--|---------------------|

A significant long-track tornado first touched down in Sequoyah County 4 miles west of Short, moving northeast for 39 miles to a point about 7 miles southwest of Fayetteville, AR. This tornado clipped the extreme southeast portion of Adair County as the tornado reached its peak strength as an F3 tornado. Fortunately, the tornado travelled across an unpopulated portion of Adair County. However, an aerial survey by NWS personnel over extreme southeast Adair County revealed that every tree in a hardwood forest was completely leveled.

**Cherokee County
Tahlequah**

| | | | | | | | | | |
|----|---------|--|--|---|---|-------|--|--|--------------------------|
| 04 | 1215CST | | | 0 | 0 | 0.20K | | | Thunderstorm Wind |
|----|---------|--|--|---|---|-------|--|--|--------------------------|

Several large tree limbs were blown down in Tahlequah, and a large tree was blown down across a road 4 miles east of Tahlequah.

**Muskogee County
Muskogee**

| | | | | | | | | | |
|----|---------|--|--|---|---|--|--|--|--------------------|
| 04 | 1215CST | | | 0 | 0 | | | | Hail (0.88) |
|----|---------|--|--|---|---|--|--|--|--------------------|

Location: on the southwest side of Muskogee

**Pushmataha County
2 W Cloudy**

| | | | | | | | | | |
|----|---------|--|--|---|---|------|--|--|--------------------------|
| 04 | 1255CST | | | 0 | 0 | 1.5K | | | Thunderstorm Wind |
|----|---------|--|--|---|---|------|--|--|--------------------------|

Trees and power lines were blown down.

**Cherokee County
Tahlequah**

| | | | | | | | | | |
|----|--------------------|--|--|---|---|--|--|--|--------------------|
| 04 | 1300CST 1400CST | | | 0 | 0 | | | | Flash Flood |
|----|--------------------|--|--|---|---|--|--|--|--------------------|



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

Several roads in Tahlequah were closed. One house and a day care center near the intersection of Tahlequah-North Wilson each took in about 5 inches of water. Baker Road near OK Hwy 51 was closed for a time.

Choctaw County Ft Towson

| | | | | | | | | | |
|----|---------|--|--|--|---|---|----|--|--------------------------|
| 04 | 1300CST | | | | 0 | 0 | 5K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|----|--|--------------------------|

Tree limbs were blown down in Fort Towson. One large tree limb fell on a historical home.

Craig County Vinita

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|----|--|--------------------|
| 04 | 1300CST 2000CST | | | | 0 | 0 | 4M | | Flash Flood |
|----|--------------------|--|--|--|---|---|----|--|--------------------|

An estimated 5 to 8 inches of rain in a short time caused Big Cabin Creek on the west side of Vinita and Bull Creek on the east side of Vinita to overflow their banks and enter 54 homes. Water was five feet deep in some homes. 30 homes were evacuated. The hardest-hit areas were located along North Second to North Fourth Streets, near Sequoyah and Tahlequah. According to the police chief, all of the homes around North Second Street were devastated. Later in the evening, water from Bull Creek drained into Big Cabin Creek, flooding out several homes in the Westwood area. Long-time residents say that the last time Bull Creek flooded any homes was in 1961, though they said the flooding this time was much more serious. Property damage was estimated at \$4 million. Swift-moving floodwater from Bull Creek swept a pickup truck off of Eastern State Road.

All four lanes of US Hwy 60 were closed by high water 1/2 mile west of Vinita. There were also reports of flooding around Welch

Latimer County Wilburton

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 04 | 1300CST 1400CST | | | | 0 | 0 | | | Flash Flood |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

There was street flooding, and one street had to be closed.

Mayes County Adair

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 04 | 1300CST 1400CST | | | | 0 | 0 | | | Flash Flood |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

Several county roads were flooded.

Mayes County 3 W Langley

| | | | | | | | | | |
|----|---------|--|--|--|---|---|----|--|--------------------------|
| 04 | 1300CST | | | | 0 | 0 | 4K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|----|--|--------------------------|

Windows were blown out of a brick house, a large old tree was uprooted, and a pontoon boat was tossed from its trailer.

Mayes County 1 W Pryor

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-----|--|------------------|
| 04 | 1300CST | | | | 0 | 0 | 50K | | Lightning |
|----|---------|--|--|--|---|---|-----|--|------------------|

Lightning lit fire to and destroyed a new home in the Grand Prairie Estates west of Pryor. The time in this entry is a very rough estimate.

Ottawa County Miami

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|------|--|--------------------|
| 04 | 1300CST 1400CST | | | | 0 | 0 | 110K | | Flash Flood |
|----|--------------------|--|--|--|---|---|------|--|--------------------|

Several homes had water damage in Miami when Tar Creek overflowed its banks. Residents of the Scotty Court area were evacuated after Tar Creek began rising. The baseball diamond at Northeast Oklahoma A&M was badly damaged when 3 feet of water covered the field.

In Commerce, 20 homes and businesses, including city hall, were flooded. In Quapaw, floodwaters entered a nursing home. At Wyandotte, Fairland, and Afton, roads were closed in each of those communities. Up to 20 streets at one time were closed in Miami, particularly north of town.

Pittsburg County Hartshorne

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 04 | 1300CST 1400CST | | | | 0 | 0 | | | Flash Flood |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

There was street flooding in Hartshorne.

Sequoyah County Central Portion

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 04 | 1315CST 1430CST | | | | 0 | 0 | | | Flash Flood |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

Water covered several county roads.

Wagoner County Porter

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 04 | 1315CST 1415CST | | | | 0 | 0 | | | Flash Flood |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

Several roads were closed due to high water.

Latimer County Bengal

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 04 | 1330CST | | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Several large tree limbs were blown down in Bengal.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

Adair County

| | | | | | | | | | |
|--------------|----|--------------------|--|--|---|---|--|--|--------------------|
| Baron | 04 | 1400CST 1500CST | | | 0 | 0 | | | Flash Flood |
|--------------|----|--------------------|--|--|---|---|--|--|--------------------|

Water was over a low-water crossing near Baron and Westville.

Delaware County

| | | | | | | | | | |
|--------------|----|--------------------|--|--|---|---|--|--|--------------------|
| Grove | 04 | 1400CST 1500CST | | | 0 | 0 | | | Flash Flood |
|--------------|----|--------------------|--|--|---|---|--|--|--------------------|

Low-water crossings were flooded near Grove.

Le Flore County

| | | | | | | | | | |
|------------------------|----|--------------------|--|--|---|---|--|--|--------------------|
| Zoe to Page | 04 | 1400CST 1500CST | | | 0 | 0 | | | Flash Flood |
|------------------------|----|--------------------|--|--|---|---|--|--|--------------------|

A bridge in Zoe was completely washed out. Other county roads were flooded near Page.

Washington County

| | | | | | | | | | |
|-------------------|----|---------|--|--|---|---|----|--|--------------------------|
| 2 NE Copan | 04 | 1430CST | | | 0 | 0 | 3K | | Thunderstorm Wind |
|-------------------|----|---------|--|--|---|---|----|--|--------------------------|

Four power poles and a shed were blown down.

Osage County

| | | | | | | | | | |
|---------------|----|---------|--|--|---|---|--|--|--------------------|
| Hominy | 04 | 1911CST | | | 0 | 0 | | | Hail (1.00) |
|---------------|----|---------|--|--|---|---|--|--|--------------------|

Osage County

| | | | | | | | | | |
|------------------|----|---------|--|--|---|---|--|--|--------------------|
| Barnsdall | 04 | 1945CST | | | 0 | 0 | | | Hail (0.88) |
|------------------|----|---------|--|--|---|---|--|--|--------------------|

Washington County

| | | | | | | | | | |
|-----------------|----|---------|--|--|---|---|--|--|--------------------|
| Ochelata | 04 | 1952CST | | | 0 | 0 | | | Hail (0.75) |
|-----------------|----|---------|--|--|---|---|--|--|--------------------|

Nowata County

| | | | | | | | | | |
|---------------------|----|---------|--|--|---|---|--|--|--------------------|
| 6 WNW Nowata | 04 | 2000CST | | | 0 | 0 | | | Hail (0.75) |
|---------------------|----|---------|--|--|---|---|--|--|--------------------|

Nowata County

| | | | | | | | | | |
|-------------|----|---------|--|--|---|---|----|--|--------------------------|
| Wann | 04 | 2000CST | | | 0 | 0 | 1K | | Thunderstorm Wind |
|-------------|----|---------|--|--|---|---|----|--|--------------------------|

Several large tree limbs were blown down, one of which fell through a porch.

Osage County

| | | | | | | | | | |
|------------------|----|---------|--|--|---|---|--|--|--------------------|
| Barnsdall | 04 | 2000CST | | | 0 | 0 | | | Hail (0.75) |
|------------------|----|---------|--|--|---|---|--|--|--------------------|

Summary of events for May 3-4 1999:

Following a week-long blocking weather pattern, a strong upper level trough finally moved out of the southwestern U.S. Interactions with a dryline in western Oklahoma and a slow-moving cold front brought the largest tornado outbreak in Oklahoma history from the afternoon of May 3 through the afternoon of May 4. Most notable was the F5 tornado that moved through southern parts of the Oklahoma City metro area. While the loss of life and the heaviest property damage was limited to central Oklahoma, eastern Oklahoma got into the act with a significant number of tornadoes.

While there were dozens of individual storms on May 3 and 4, there are two storms in eastern Oklahoma that stand out as outstanding. The first outstanding storm moved northeast along the I-44 corridor on the evening of May 3, causing F3 damage to Stroud in Lincoln County. The storm went on to cause significant F1 damage in Sapulpa and southwestern portions of the city of Tulsa and millions of dollars in damage.

The second outstanding storm got its start in southeast Oklahoma well south of McAlester. This storm moved northeast across Pushmataha, Latimer, Haskell, LeFlore and Sequoyah Counties, producing several damaging tornadoes along the way. The final tornado touched down in Sequoyah County and tracked 39 miles to near Fayetteville, AR, producing F3 damage in an unpopulated forest in Adair County.

Following a very wet April that saturated area grounds, another slow-moving weather system made flash flooding another serious problem to deal with as most rainfall quickly ran off into creeks, streams and mainstem rivers. One flash flood in Vinita caused millions of dollars in damage following the flooding of dozens of homes.

OKZ058

Ottawa

| | | | | | | | | | |
|------------------|--|--------------------|--|--|---|---|--|--|--------------|
| 04 09 | | 0700CST 0100CST | | | 0 | 0 | | | Flood |
|------------------|--|--------------------|--|--|---|---|--|--|--------------|

The Neosho River at Commerce rose above its flood stage of 15 feet at 800 AM CDT on May 4. The river crested at a level of 20.0 feet at 300 AM CDT on May 6 before falling back below flood stage at 200 AM CDT on May 9.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

| | | | | | | | | | |
|--------------------------|---|--|--|--|----------|----------|--------------|--|--------------------------|
| OKZ058 | Ottawa | 04 0700CST 07 0300CST | | | 0 | 0 | | | Flood |
| | The Spring River at Quapaw rose above its flood stage of 20 feet at 800 AM CDT on May 4. The river crested at a level of 26.2 feet at 100 AM CDT on May 5 before falling back below flood stage at 400 AM CDT on May 7. | | | | | | | | |
| OKZ060 | Tulsa | 04 1100CST 06 0700CST | | | 0 | 0 | | | Flood |
| | The Bird Creek at Sperry rose above its flood stage of 21 feet at Noon CDT on May 4. The river crested at a level of 26.8 feet at 300 AM CDT on May 5 before falling back below flood stage at 1200 AM CDT on May 6. | | | | | | | | |
| | The Bird Creek at Owasso (Mingo Road) rose above its flood stage of 19 feet at 200 PM CDT on May 4. The river crested at a level of 22.2 feet at 600 PM CDT on May 5 before falling back below flood stage at 800 AM CDT on May 6. | | | | | | | | |
| OKZ055-060>061 | Washington - Tulsa - Rogers | 04 1100CST 07 0100CST | | | 0 | 0 | | | Flood |
| | The Caney River at Ramona rose above its flood stage of 26 feet at 400 PM CDT on May 4. The river crested at a level of 27.4 feet at 400 PM CDT on May 5 before falling back below flood stage at 600 AM CDT on May 6. | | | | | | | | |
| | The Caney River at Collinsville rose above its flood stage of 26 feet at Noon CDT on May 4. The river crested at a level of 31.5 feet at 1000 PM CDT on May 4 before falling back below flood stage at 200 AM CDT on May 7. | | | | | | | | |
| OKZ064 | Creek | 04 1200CST 05 1800CST | | | 0 | 0 | | | Flood |
| | The Polecat Creek at Sapulpa rose above its flood stage of 21 feet on the afternoon of May 4. The river crested at a level of 24.4 feet that evening before falling back below flood stage on the evening of May 5. | | | | | | | | |
| OKZ067-070 | Wagoner - Muskogee | 04 1300CST 05 1100CST | | | 0 | 0 | | | Flood |
| | The Arkansas River at Muskogee rose above its flood stage of 28 feet at 200 PM CDT on May 4. The river crested at a level of 28.6 feet at 500 AM CDT on May 5 before falling back below flood stage at Noon CDT on May 5. | | | | | | | | |
| OKZ068 | Cherokee | 04 2200CST 06 1400CST | | | 0 | 0 | | | Flood |
| | The Illinois River at Tahlequah rose above its flood stage of 11 feet at 1100 PM CDT on May 4. The river crested at a level of 12.2 feet at 1000 AM CDT on May 6 before falling back below flood stage at 300 PM CDT on May 6. | | | | | | | | |
| Delaware County | Grove | 05 1600CST | | | 0 | 0 | | | Hail (0.75) |
| Choctaw County | Boswell | 05 1830CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| | Four-inch tree limbs were blown down in Boswell. | | | | | | | | |
| Haskell County | Kinta | 05 1830CST | | | 0 | 0 | | | Hail (0.75) |
| | Summary of events for May 5 1999: | | | | | | | | |
| | The center of an upper-level disturbance, and its associated cold pool aloft, passed across southeast Oklahoma on the evening of May 5. The resulting instability caused isolated storms to develop over central Oklahoma that then moved mostly into southeast Oklahoma. While these storms showed strong rotation on radar, there were only reports of marginally severe wind and hail. | | | | | | | | |
| Creek County | Bristow | 09 2305CST | | | 0 | 0 | | | Hail (0.75) |
| Okfuskee County | Welty | 09 2315CST | | | 0 | 0 | | | Hail (0.88) |
| Okmulgee County | Okmulgee | 09 2342CST | | | 0 | 0 | | | Hail (0.88) |
| Okmulgee County | Okmulgee | 09 2350CST | | | 0 | 0 | 1K | | Thunderstorm Wind |



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

Tree limbs were blown down across power lines.

Pittsburg County
9 W Kiowa

09 2355CST 0 0 Hail (0.75)

Location: on the Pittsburg/Atoka county line

Mcintosh County
3 W Onapa

10 0000CST 0 0 Thunderstorm Wind (G52)

Location: Fountainhead State Park

Tulsa County
3 SW Broken Arrow

10 0000CST 0 0 0.50K Thunderstorm Wind (G52)

Several trees were blown down in Broken Arrow near the intersection of 91st and 129th East Avenue.

Pushmataha County
Clayton

10 0045CST 0 0 Hail (1.00)

Pushmataha County
8 S Clayton

10 0100CST 0 0 Hail (0.88)

Tulsa County
Collinsville

10 0200CST 0 0 20K Thunderstorm Wind

Numerous large trees (two to three feet in diameter) were blown over. Falling trees took several fences as victims. One falling tree caused some roof damage.

Tulsa County
5 N Skiatook

10 0200CST 0 0 5K Thunderstorm Wind

An outbuilding was destroyed, there was shingle and siding damage to a home, and several trees were snapped off.

Washington County
Vera

10 0200CST 0 0 7K Thunderstorm Wind

A carport was damaged, and large trees were blown down

Adair County
4 N Proctor

10 0211CST 0.5 50 0 0 0.50K Tornado (F0)

There was a brief tornado touchdown north of Proctor which knocked over many trees.

Muskogee County
Ft Gibson

11 0900CST 0 0 1K Lightning

Lightning struck a tree behind the Church of Christ, travelling through the tree's roots and killing three cows.

Rogers County
7 E Claremore

11 1655CST 0 0 Hail (1.75)

Mayes County
Pryor

11 1721CST
1725CST 0 0 Hail (0.75)

There were several reports of dime-sized hail near Pryor.

Mayes County
5 W Pryor to
2 W Pryor

11 1726CST
1740CST 0 0 Hail (2.75)

At 627 PM CDT, there was a report of golfball-sized hail 5 miles west of Pryor. At 635 PM CDT, there was a report of quarter-size (1" diameter) hail 5 miles west of Pryor. At 640 PM CDT, there was a report of baseball-sized hail 2 miles west of Pryor.

Mayes County
3 SW Pryor

11 1748CST
1756CST 0 0 Hail (1.00)

There were several reports of dime and quarter-sized hail southwest of Pryor.

Rogers County
3 E Inola

11 1750CST 0 0 Hail (0.75)

Mayes County
3 S Pryor to
Pryor

11 1807CST
1813CST 0 0 Hail (0.88)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

There was a report of dime-sized hail 3 miles south of Pryor at 707 PM CDT, while there was a report of nickel-sized hail in Pryor at 713 PM CDT.

| | | | | | | | | | |
|---|----|--------------------|---|----|---|---|----|--|-------------------------|
| Mayes County Chouteau | 11 | 1814CST | | | 0 | 0 | | | Hail (1.75) |
| Mayes County 1 NW Chouteau | 11 | 1815CST | | | 0 | 0 | 2K | | Thunderstorm Wind |
| Windows were blown out of a home northwest of Chouteau. | | | | | | | | | |
| Wagoner County Tulahassee | 11 | 1829CST | | | 0 | 0 | | | Hail (0.88) |
| Mayes County Chouteau | 11 | 1830CST 1900CST | | | 0 | 0 | | | Flash Flood |
| There was street flooding in Chouteau. | | | | | | | | | |
| Mayes County 5 W Locust Grove to 2 W Locust Grove | 11 | 1836CST 1841CST | | | 0 | 0 | | | Funnel Cloud |
| There were two reports of funnel clouds west of Locust Grove. | | | | | | | | | |
| Mayes County 2 SE Pryor | 11 | 1854CST | | | 0 | 0 | | | Hail (1.00) |
| Mayes County 5 E Chouteau | 11 | 1858CST | | | 0 | 0 | | | Thunderstorm Wind (G61) |
| Location: at the entrance to the western end of the Cherokee Turnpike | | | | | | | | | |
| Choctaw County Bluff | 11 | 1910CST | | | 0 | 0 | | | Hail (0.75) |
| Mayes County Chouteau | 11 | 1915CST | | | 0 | 0 | | | Hail (1.00) |
| Pittsburg County 7 W Arpelar | 11 | 1918CST | | | 0 | 0 | | | Hail (1.75) |
| Location: at the Atoka/Pittsburg county line | | | | | | | | | |
| Pittsburg County Savanna | 11 | 1919CST | | | 0 | 0 | | | Hail (0.75) |
| Mayes County 3 S Locust Grove | 11 | 1920CST | | | 0 | 0 | | | Thunderstorm Wind (G57) |
| Pittsburg County 1 S Kiowa to Kiowa | 11 | 1925CST 1930CST | | | 0 | 0 | | | Hail (1.75) |
| Cherokee County Lost City | 11 | 1930CST | | | 0 | 0 | | | Hail (0.75) |
| Choctaw County 3 N Soper | 11 | 1930CST | 1 | 50 | 0 | 0 | 1K | | Tornado (F0) |
| There was a brief tornado touchdown north of Soper, causing mostly tree damage. | | | | | | | | | |
| Muskogee County 2 E Muskogee | 11 | 1935CST | | | 0 | 0 | | | Hail (1.75) |
| Location: on the turnpike south of US Hwy 62 | | | | | | | | | |
| Cherokee County 6 S Hulbert | 11 | 1945CST | | | 0 | 0 | | | Hail (0.75) |
| Muskogee County Ft Gibson | 11 | 1945CST | | | 0 | 0 | | | Hail (1.00) |
| Location: near intersection of OK Hwy 10 and US Hwy 62 | | | | | | | | | |



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

| | | | | | | | | | |
|--|----------|--------------------|-----|----|---|---|-----|--|--------------------------|
| Muskogee County Ft Gibson | 11 | 1945CST | | | 0 | 0 | 15K | | Thunderstorm Wind |
| Winds destroyed a garage in the 1500 block of Sumac Road. | | | | | | | | | |
| Muskogee County .5 S Braggs | 11 | 2000CST | | | 0 | 0 | | | Hail (1.75) |
| Muskogee County .5 S Braggs | 11 | 2000CST | 0.5 | 50 | 0 | 0 | 1K | | Tornado (F0) |
| There was a brief tornado touchdown just south of Braggs, causing damage to numerous trees. | | | | | | | | | |
| Pushmataha County 3 S Antlers | 11 | 2005CST | | | 0 | 0 | | | Hail (1.00) |
| Muskogee County 4 S Braggs | 11 | 2016CST | 0.5 | 50 | 0 | 0 | 1K | | Tornado (F0) |
| There was a brief tornado touchdown south of Braggs, causing mainly tree damage. | | | | | | | | | |
| Cherokee County Tahlequah | 11 | 2018CST | | | 0 | 0 | | | Hail (0.88) |
| Choctaw County Soper | 11 | 2020CST | | | 0 | 0 | | | Hail (2.00) |
| Pittsburg County 3 NW Arpelar | 11 | 2035CST | | | 0 | 0 | 8K | | Thunderstorm Wind |
| A home's roof was partially removed. | | | | | | | | | |
| Muskogee County Braggs | 11 | 2045CST | | | 0 | 0 | | | Hail (1.75) |
| Tulsa County Jenks | 11 | 2048CST | | | 0 | 0 | | | Hail (0.75) |
| Choctaw County 9 N Boswell | 11 | 2050CST | | | 0 | 0 | | | Hail (0.88) |
| Cherokee County 5 W Cookson | 11 | 2100CST | | | 0 | 0 | | | Hail (1.75) |
| Cherokee County Tahlequah | 11 | 2100CST | | | 0 | 0 | 30K | | Lightning |
| Lightning struck a home in Tahlequah, starting a fire and destroying appliances in nearby homes. | | | | | | | | | |
| Sequoyah County 4 N Gore | 11 | 2100CST | | | 0 | 0 | | | Hail (0.75) |
| Tulsa County 7 E Tulsa | 11 | 2101CST | | | 0 | 0 | | | Hail (0.75) |
| Location: near Admiral and Memorial in Tulsa | | | | | | | | | |
| Pushmataha County Dela | 11 | 2110CST | | | 0 | 0 | | | Hail (0.75) |
| Muskogee County Braggs | 11 | 2120CST | | | 0 | 0 | | | Flash Flood |
| Water covered a road in Braggs. | | | | | | | | | |
| Choctaw County Central Portion | 11 12 | 2130CST 0100CST | | | 0 | 0 | | | Flash Flood |



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

About 6 inches of water covered US Hwy 271 about 8 miles northwest of Hugo. US Hwy 70 was closed between Soper and the US Hwy 271 intersection when 5 to 6 feet of water covered the roadway. Several rural bridges in the Twin Oaks area were washed out.

In Hugo, there was flooding in the 700 block of "E", as well as on "A", 15th, and 12th Streets. A car was pulled from high water at the north end of "A" Street.

Choctaw County

| | | | | | | | | | |
|-----------------|----|---------|--|--|---|---|-------|--|--------------------------|
| Goodland | 11 | 2130CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
|-----------------|----|---------|--|--|---|---|-------|--|--------------------------|

A 10-foot diameter tree was blown down.

Sequoyah County

| | | | | | | | | | |
|---------------------|----|---------|-----|----|---|---|----|--|---------------------|
| 5 W Blackgum | 11 | 2137CST | 0.5 | 50 | 0 | 0 | 1K | | Tornado (F0) |
|---------------------|----|---------|-----|----|---|---|----|--|---------------------|

There was a brief tornado touchdown near Aqua Park, causing mainly tree damage.

Pushmataha County

| | | | | | | | | | |
|---------------|----|---------|--|--|---|---|--|--|--------------------|
| Darwin | 11 | 2155CST | | | 0 | 0 | | | Hail (0.88) |
|---------------|----|---------|--|--|---|---|--|--|--------------------|

Sequoyah County

| | | | | | | | | | |
|----------------|----|---------|--|--|---|---|-------|--|--------------------------|
| Muldrow | 11 | 2206CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----------------|----|---------|--|--|---|---|-------|--|--------------------------|

Large tree limbs were blown down.

Pittsburg County

| | | | | | | | | | |
|-----------------------|----|---------|--|--|---|---|--|--|--------------------|
| 2 W Mc Alester | 11 | 2225CST | | | 0 | 0 | | | Hail (0.75) |
|-----------------------|----|---------|--|--|---|---|--|--|--------------------|

Muskogee County

| | | | | | | | | | |
|---------------------|----|--------------------|--|--|---|---|------|--|--------------------|
| East Portion | 12 | 0205CST 0300CST | | | 0 | 0 | 160K | | Flash Flood |
|---------------------|----|--------------------|--|--|---|---|------|--|--------------------|

An estimated 6 inches of rain forced the closing of OK Hwy 10 between Muskogee and Braggs. A county commissioner estimated that 60 percent of the roads in the eastern part of the county were closed at one point. Water was about 7 to 8 feet deep on some roads.

Three homes in Fort Gibson sustained damage when water came into the homes, which were located in the 300 block of South Avenue. Firefighters had to rescue a family whose minivan was washed into Cooper Creek. At least 7 or 8 other cars had to be pulled out of ditches after the flooding subsided.

On 4 Mile Road near the Cherokee county line, the force of the water washed a 48-inch drainage pipe 100 yards down a creek and ripped a five-foot wide hole across the road. Water in the Carriage Estates Addition was deep enough to cover the roof of a car that had washed down the road.

Wagoner County

| | | | | | | | | | |
|---------------|----|--------------------|--|--|---|---|--|--|--------------------|
| Coweta | 12 | 0205CST 0300CST | | | 0 | 0 | | | Flash Flood |
|---------------|----|--------------------|--|--|---|---|--|--|--------------------|

Several county roads were flooded near Coweta.

Cherokee County

| | | | | | | | | | |
|------------------|----|--------------------|--|--|---|---|--|--|--------------------|
| Tahlequah | 12 | 0300CST 0400CST | | | 0 | 0 | | | Flash Flood |
|------------------|----|--------------------|--|--|---|---|--|--|--------------------|

There was street flooding in and around Tahlequah.

Summary of events for May 11 1999:

Numerous severe thunderstorms formed along a slow-moving north-south cold front across eastern Oklahoma on the afternoon and evening of May 11. A cap of warm air in the mid-levels of the atmosphere kept thunderstorm activity suppressed until the first storm formed in Rogers and Mayes County late in the afternoon. This was the largest storm of the day as it showed strong rotation and produced very large hail to the size of baseballs.

Many other severe thunderstorms formed and increased in coverage through the evening. With the slow movement of the cold front, many thunderstorms moved over areas already saturated by earlier thunderstorms, leading to localized flash flooding.

Several brief tornadoes also formed through the evening, with the largest concentration in the Arkansas River valley between Muskogee and Sallisaw.

OKZ060

| | | | | | | | | | |
|--------------|----|--------------------|--|--|---|---|-------|--|------------------------|
| Tulsa | 14 | 2100CST 2130CST | | | 0 | 0 | 0.50K | | High Wind (G43) |
|--------------|----|--------------------|--|--|---|---|-------|--|------------------------|



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

A collapsing non-severe thunderstorm in northern Okmulgee County sent out an outflow boundary that produced local wind gusts to 50 miles an hour in southern Tulsa County. Three trees were blown down in south Broken Arrow near 121st Street South and 145th East Avenue.

| | | | | | | | | | |
|--|----|---------|--|--|---|---|-------|--|--------------------------------|
| Osage County 18 W Burbank | 16 | 2230CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Tree limbs were blown down near Ponca City in Osage County. | | | | | | | | | |
| Creek County Oilton | 16 | 2315CST | | | 0 | 0 | | | Hail (0.75) |
| Osage County Hominy | 16 | 2319CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Osage County 9 NE Pawhuska | 16 | 2335CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Tree limbs were blown down in the Osage Hills State Park. | | | | | | | | | |
| Pawnee County Cleveland | 16 | 2344CST | | | 0 | 0 | | | Hail (0.75) |
| Tulsa County Sperry | 16 | 2350CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Tree branches were blown down in Sperry. | | | | | | | | | |
| Tulsa County 3 N Skiatook | 16 | 2355CST | | | 0 | 0 | | | Hail (1.00) |
| Okfuskee County Paden | 16 | 2358CST | | | 0 | 0 | 5K | | Thunderstorm Wind |
| Winds caused damage to a roof in Paden. | | | | | | | | | |
| Washington County Copan | 17 | 0000CST | | | 0 | 0 | 0.20K | | Thunderstorm Wind (G61) |
| Numerous tree limbs were blown down in Copan by winds estimated at 60 to 70 miles an hour. | | | | | | | | | |
| Okfuskee County Castle | 17 | 0008CST | | | 0 | 0 | | | Thunderstorm Wind (G61) |
| Okfuskee County Okemah | 17 | 0010CST | | | 0 | 0 | 0.20K | | Thunderstorm Wind |
| A tree and several tree branches were blown down in Okemah. | | | | | | | | | |
| Pittsburg County Ashland | 17 | 0030CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Several large tree limbs were blown down. | | | | | | | | | |
| Okmulgee County Henryetta | 17 | 0037CST | | | 0 | 0 | 45K | | Thunderstorm Wind (G61) |
| Strong winds blew a roof completely off of a muffler shop in the 900 block of North Frisco. The roof hit a power feeder and knocked off power to a large part of the city. One of the businesses's doors was blown off as well. Several businesses reported windows blown out by the storm, and numerous trees and tree limbs were blown down. | | | | | | | | | |
| Craig County 6 E Centralia | 17 | 0055CST | | | 0 | 0 | | | Thunderstorm Wind (G54) |
| Location: Oklahoma mesonet site | | | | | | | | | |
| Mcintosh County 3 W Checotah | 17 | 0105CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Muskogee County Wainwright | 17 | 0110CST | | | 0 | 0 | 95K | | Thunderstorm Wind |
| A single family dwelling was destroyed, and two mobile homes were damaged. The roof of the local school was lifted up and thrown into a school bus. | | | | | | | | | |



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

Muskogee County
Oktaha

| | | | | | | | | | |
|----|---------|--|--|--|---|---|------|--|--------------------------|
| 17 | 0115CST | | | | 0 | 3 | 165K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|------|--|--------------------------|

Strong winds, likely in excess of 75 miles an hour, destroyed five mobile homes and damaged another six mobile homes in the Oktaha Mobile Home Park. There were three injuries serious enough to warrant hospitalization. At least three vehicles were crushed by homes knocked off their foundations. Numerous trees were also blown down.

Mcintosh County
Texanna

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 17 | 0120CST | | | | 0 | 0 | | | Hail (1.00) |
|----|---------|--|--|--|---|---|--|--|--------------------|

Muskogee County
Muskogee

| | | | | | | | | | |
|----|---------|--|--|--|---|---|------|--|--------------------------|
| 17 | 0120CST | | | | 0 | 0 | 100K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|------|--|--------------------------|

Two businesses had their roofs blown off. Other buildings had shingles blown off their roofs, while there were numerous trees and tree limbs blown down. The majority of damaged homes were in the east side of town, though the west side had its share of tree damage.

Haskell County
Whitefield

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 17 | 0130CST | | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Several large tree limbs were blown down.

Latimer County
7 NNW Wilburton

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 17 | 0130CST | | | | 0 | 0 | 0.20K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Numerous tree limbs were blown down in Robbers Cave State Park.

Wagoner County
7 ENE Wagoner

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-----|--|--------------------------|
| 17 | 0135CST | | | | 0 | 0 | 65K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-----|--|--------------------------|

In the Grand View Addition along White Horn Cove Road, northeast of Wagoner, twelve permanent homes received minor damage. Most residences were damaged when trees were blown onto the homes. However, the winds were also directly responsible for minor roof damage and for blowing several awnings away. One home had a power line resting against it. Other areas in the northeastern portion of Wagoner County had downed tree limbs, including the city of Wagoner.

Mayer County
4 N Locust Grove

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 17 | 0142CST | | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

A large tree was uprooted.

Cherokee County
5 W Hulbert to Hulbert

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|-----|--|--------------------------------|
| 17 | 0145CST 0150CST | | | | 0 | 0 | 10K | | Thunderstorm Wind (G52) |
|----|--------------------|--|--|--|---|---|-----|--|--------------------------------|

At 245 AM CDT, there was a public report of 60 mph winds 5 miles west of Hulbert. Near Hulbert, a mobile home was knocked off of its foundation.

In Sequoyah State Park, winds demolished an old water tower, though park officials had been planning to demolish it anyway. The winds also blew over 30 to 40 fanned pine trees lining the entrance to Western Hills Lodge at the park. An uprooted tree damaged thousands of dollars in damage to the state park's new office and visitor's center, which were still under construction.

Mayer County
Pryor

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-----|--|--------------------------------|
| 17 | 0145CST | | | | 0 | 0 | 20K | | Thunderstorm Wind (G57) |
|----|---------|--|--|--|---|---|-----|--|--------------------------------|

Two pickup trucks and a car were totaled when winds blew trees over onto them.

Sequoyah County
3 S Sallisaw to Sallisaw

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-----|--|--------------------------|
| 17 | 0150CST | | | | 0 | 0 | 10K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-----|--|--------------------------|

South of Sallisaw, a trailer was blown 15 feet into an electric pole. A nearby chicken house suffered serious damage, with 50-60 chickens perishing. Numerous tree limbs were blown down in Sallisaw.

Cherokee County
Tahlequah

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-----|--|--------------------------------|
| 17 | 0155CST | | | | 0 | 0 | 30K | | Thunderstorm Wind (G61) |
|----|---------|--|--|--|---|---|-----|--|--------------------------------|

Numerous trees and tree limbs were blown over throughout Cherokee County, including Tahlequah. Many trees were blown into electrical lines. Strong winds also caused heavy damage to the county's north solid waste transfer station.

Adair County
5 WNW Westville to Westville

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|-----|--|--------------------------------|
| 17 | 0205CST 0210CST | | | | 0 | 0 | 25K | | Thunderstorm Wind (G61) |
|----|--------------------|--|--|--|---|---|-----|--|--------------------------------|



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

At 305 AM CDT, the Oklahoma mesonet site west of Westville measured a wind gust to 70 miles an hour. These winds then moved east to Westville, blowing down numerous trees and limbs in Westville. On Buffington Road, several limbs blocked traffic during the morning commute time. Numerous trees blew into power lines. Utility officials reported some of the worst damage in the Bell community, where whole oak trees were uprooted and roofs were lost from a number of barns.

Le Flore County

| | | | | | | | | | |
|--------|----|---------|--|--|---|---|--|--|-------------------------|
| Panama | 17 | 0205CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
|--------|----|---------|--|--|---|---|--|--|-------------------------|

Delaware County

| | | | | | | | | | |
|-----------|----|---------|--|--|---|---|-----|--|-------------------------|
| 5 N Leach | 17 | 0208CST | | | 0 | 0 | 20K | | Thunderstorm Wind (G52) |
|-----------|----|---------|--|--|---|---|-----|--|-------------------------|

Winds estimated at 60 miles an hour damaged several structures.

Craig County

| | | | | | | | | | |
|------------|----|---------|--|--|---|---|-------|--|-------------------|
| 5 W Vinita | 17 | 0230CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|------------|----|---------|--|--|---|---|-------|--|-------------------|

Tree limbs were blown down west of Vinita.

Ottawa County

| | | | | | | | | | |
|-------|----|---------|--|--|---|---|--|--|-------------|
| Miami | 17 | 0245CST | | | 0 | 0 | | | Hail (0.75) |
|-------|----|---------|--|--|---|---|--|--|-------------|

Tulsa County

| | | | | | | | | | |
|-------------------|----|---------|--|--|---|---|-----|--|-----------|
| 1 SE Broken Arrow | 17 | 0500CST | | | 0 | 0 | 50K | | Lightning |
|-------------------|----|---------|--|--|---|---|-----|--|-----------|

Lightning struck a two-story house in the 800 block of East Mason Drive in Broken Arrow, sparking a fire that destroyed the entire second floor of the home.

Creek County

| | | | | | | | | | |
|------------|----|---------|--|--|---|---|--|--|-------------|
| Kellyville | 17 | 0721CST | | | 0 | 0 | | | Hail (0.88) |
|------------|----|---------|--|--|---|---|--|--|-------------|

Tulsa County

| | | | | | | | | | |
|-------|----|--------------------|--|--|---|---|--|--|----------------------|
| Tulsa | 17 | 0730CST 0830CST | | | 0 | 0 | | | Urban/Sml Stream Fld |
|-------|----|--------------------|--|--|---|---|--|--|----------------------|

Several streets in Tulsa were covered with water.

Tulsa County

| | | | | | | | | | |
|-------------|----|---------|--|--|---|---|--|--|-------------|
| 7 SSE Tulsa | 17 | 0745CST | | | 0 | 0 | | | Hail (1.00) |
|-------------|----|---------|--|--|---|---|--|--|-------------|

Tulsa County

| | | | | | | | | | |
|--------------|----|---------|--|--|---|---|------|--|-----------|
| 11 SSE Tulsa | 17 | 0805CST | | | 0 | 0 | 150K | | Lightning |
|--------------|----|---------|--|--|---|---|------|--|-----------|

Lightning struck the roof of a south Tulsa house, sparking a fire that burned the whole roof off. The house was located near 111th Street South between Yale and Sheridan.

Muskogee County

| | | | | | | | | | |
|--------|----|---------|--|--|---|---|-------|--|-------------------|
| Braggs | 17 | 0820CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
|--------|----|---------|--|--|---|---|-------|--|-------------------|

Trees were blown down in Braggs.

Wagoner County

| | | | | | | | | | |
|------|----|---------|--|--|---|---|--|--|-------------|
| Okay | 17 | 0832CST | | | 0 | 0 | | | Hail (0.75) |
|------|----|---------|--|--|---|---|--|--|-------------|

Haskell County

| | | | | | | | | | |
|----------------|----|---------|--|--|---|---|-------|--|-------------------|
| 2 N Whitefield | 17 | 0907CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----------------|----|---------|--|--|---|---|-------|--|-------------------|

A large tree was blown down north of Whitefield on the Haskell/Muskogee county line.

Adair County

| | | | | | | | | | |
|---------------|----|---------|--|--|---|---|-------|--|-------------------|
| 5 SE Stilwell | 17 | 0935CST | | | 0 | 0 | 0.70K | | Thunderstorm Wind |
|---------------|----|---------|--|--|---|---|-------|--|-------------------|

Several trees were snapped in half, and numerous tree limbs were blown down.

Sequoyah County

| | | | | | | | | | |
|----------|----|---------|--|--|---|---|-------|--|-------------------|
| Sallisaw | 17 | 0945CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
|----------|----|---------|--|--|---|---|-------|--|-------------------|

Several 20-foot tall trees were blown over in Sallisaw.

Haskell County

| | | | | | | | | | |
|-------|----|---------|--|--|---|---|--|--|-------------|
| Kinta | 17 | 1300CST | | | 0 | 0 | | | Hail (0.75) |
|-------|----|---------|--|--|---|---|--|--|-------------|

Ottawa County

| | | | | | | | | | |
|----------|----|---------|--|--|---|---|--|--|-------------|
| Fairland | 17 | 1305CST | | | 0 | 0 | | | Hail (1.75) |
|----------|----|---------|--|--|---|---|--|--|-------------|



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

Pushmataha County

| | | | | | | | | | |
|--------------|----|---------|--|--|---|---|--|--|-------------|
| 6 NW Antlers | 17 | 1350CST | | | 0 | 0 | | | Hail (0.75) |
|--------------|----|---------|--|--|---|---|--|--|-------------|

Latimer County

| | | | | | | | | | |
|-------------|----|---------|--|--|---|---|--|--|-------------|
| 2 W Red Oak | 17 | 1406CST | | | 0 | 0 | | | Hail (0.75) |
|-------------|----|---------|--|--|---|---|--|--|-------------|

Le Flore County

| | | | | | | | | | |
|----------|----|---------|--|--|---|---|--|--|-------------|
| Talihina | 17 | 1410CST | | | 0 | 0 | | | Hail (0.88) |
|----------|----|---------|--|--|---|---|--|--|-------------|

Latimer County

| | | | | | | | | | |
|-----------|----|--------------------|--|--|---|---|--|--|-------------|
| Wilburton | 17 | 1500CST 1600CST | | | 0 | 0 | | | Flash Flood |
|-----------|----|--------------------|--|--|---|---|--|--|-------------|

Several streets in Wilburton were closed by high water.

Le Flore County

| | | | | | | | | | |
|--------|----|--------------------|--|--|---|---|--|--|-------------|
| Poteau | 17 | 1600CST 1700CST | | | 0 | 0 | | | Flash Flood |
|--------|----|--------------------|--|--|---|---|--|--|-------------|

A street in Poteau was closed by high water.

Summary of events for May 16-17 1999:

A cluster of thunderstorms formed on the evening of May 16 over western Oklahoma. This cluster of storms started moving quickly east and formed into a large bow echo, a radar signature indicative of damaging winds. Indeed, damaging winds swept across nearly all of eastern Oklahoma late on the evening of May 16 and early on the morning of May 17. The apex of the bow, or the area of strongest winds, moved from near Okemah through Muskogee County and on to Westville. While there were numerous reports of wind damage, Muskogee County saw the most serious damage, including several injuries when winds toppled mobile homes. Marginally severe hail also accompanied this line of storms.

After sunrise, another round of more widely scattered thunderstorms moved east out of central Oklahoma and moved across the eastern third of the state. These storms produced more damaging winds and marginally severe hail.

During the afternoon, an outflow boundary turned up stationary across southeast Oklahoma and was the focus for more thunderstorm development. The afternoon storms mainly produced marginally severe hail. In addition, the stationary movement of the outflow boundary allowed thunderstorm cells to train behind each other, leading to locally heavy rainfall.

OKZ076

Le Flore

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|-------|
| 17 | 2200CST | | | | 0 | 0 | | | Flood |
| 19 | 1700CST | | | | | | | | |

The Poteau River at Panama rose above its flood stage of 29 feet at 1100 PM CDT on May 17. The river crested at a level of 33.3 feet at 600 PM CDT on May 18 before falling back below flood stage at 600 PM CDT on May 19.

OKZ058

Ottawa

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|-------|
| 19 | 1600CST | | | | 0 | 0 | | | Flood |
|----|---------|--|--|--|---|---|--|--|-------|

The Neosho River at Commerce briefly reached its flood stage of 15 feet at 500 PM CDT on May 19.

Osage County

| | | | | | | | | | |
|---------------|----|---------|--|--|---|---|--|--|-------------------------|
| 3 N Sand Spgs | 21 | 0200CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
|---------------|----|---------|--|--|---|---|--|--|-------------------------|

Tulsa County

| | | | | | | | | | |
|-----------|----|---------|--|--|---|---|-------|--|-------------------------|
| 4 S Tulsa | 21 | 0210CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind (G52) |
|-----------|----|---------|--|--|---|---|-------|--|-------------------------|

A spotter at 51st and Riverside in Tulsa estimated winds to gust as high as 60 miles an hour. A large tree was blown down at 39th and Riverside, partially blocking the roadway.

Wagoner County

| | | | | | | | | | |
|------------|----|---------|--|--|---|---|-------|--|-------------------|
| 2 NW Oneta | 21 | 0230CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|------------|----|---------|--|--|---|---|-------|--|-------------------|

Large tree branches were blown down.

Cherokee County

| | | | | | | | | | |
|------------|----|---------|--|--|---|---|--|--|-------------------------|
| 8 N Moodys | 21 | 0320CST | | | 0 | 0 | | | Thunderstorm Wind (G61) |
|------------|----|---------|--|--|---|---|--|--|-------------------------|

Wagoner County

| | | | | | | | | | |
|--------|----|--------------------|--|--|---|---|--|--|-------------|
| Coweta | 21 | 0500CST 0600CST | | | 0 | 0 | | | Flash Flood |
|--------|----|--------------------|--|--|---|---|--|--|-------------|

Several city streets in Coweta were closed by high water.

Pittsburg County

| | | | | | | | | | |
|---------|----|---------|--|--|---|---|--|--|-------------|
| Arpelar | 21 | 0645CST | | | 0 | 0 | | | Hail (0.75) |
|---------|----|---------|--|--|---|---|--|--|-------------|



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

OKLAHOMA, Eastern

Le Flore County

Arkoma

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 21 | 0730CST 0800CST | | | | 0 | 0 | | | Flash Flood |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

There was street flooding in Arkoma.

Summary of events for May 21 1999:

A line of thunderstorms moved east-southeast across eastern Oklahoma early on the morning of May 21. These storms gradually weakened as they moved along, producing reports of marginally severe wind.

Osage County

1 W Shidler to
Shidler

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 22 | 1315CST 1325CST | | | | 0 | 0 | | | Hail (2.50) |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

There was a report of quarter-sized hail one mile west of Shidler at 215 PM CDT, then there was a report of tennis ball-sized hail in Shidler at 225 PM CDT.

Washington County

Dewey

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1321CST | | | | 0 | 0 | | | Hail (1.00) |
|----|---------|--|--|--|---|---|--|--|--------------------|

Osage County

Wynona to
2 SE Wynona

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 22 | 1423CST 1430CST | | | | 0 | 0 | | | Hail (1.75) |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

There were reports of golfball-sized hail in Wynona at 323 and 328 PM CDT. There was another report of nickel-sized hail 2 miles southeast of Wynona at 330 PM CDT.

Delaware County

Kansas to
1 S Kansas

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 22 | 1451CST 1503CST | | | | 0 | 0 | | | Hail (1.75) |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

There was a report of golfball-sized hail in Kansas at 351 PM CDT. There was another report of dime-sized hail 1 mile south of Kansas at 403 PM CDT.

Pawnee County

Terlton

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1451CST | | | | 0 | 0 | | | Hail (0.75) |
|----|---------|--|--|--|---|---|--|--|--------------------|

Creek County

Sapulpa

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 22 | 1500CST 1505CST | | | | 0 | 0 | | | Hail (0.88) |
|----|--------------------|--|--|--|---|---|--|--|--------------------|

There was a report of dime-sized hail in Sapulpa at 400 PM CDT. There was another report of nickel-sized hail at 81st and New Sapulpa Road at 405 PM CDT.

Delaware County

3 NW Grove

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 1503CST | | | | 0 | 0 | | | Hail (0.75) |
|----|---------|--|--|--|---|---|--|--|--------------------|

Tulsa County

6 SSW Tulsa to
6 S Tulsa

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|--------------------|
| 22 | 1515CST 1532CST | | | | 0 | 0 | | | Hail (2.50) |
|----|--------------------|--|--|--|---|---|--|--|--------------------|



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

There were numerous reports of dime to quarter-sized hail, and one report of tennis ball-sized hail, in southwest Tulsa and north Jenks from 415 to 432 PM CDT. Most of the hail was confined to the north by 45th Street South, to the south by 81st Street South, to the east by Lewis Avenue, and to the west by the Creek County line. The following is a list of individual hail reports:

| Time (CDT) | Location | Hail Size (Diameter) |
|------------|------------------------|----------------------|
| 415 PM | 61st and 33rd W. Ave. | 0.88" |
| 417 PM | 71st and US Hwy 75 | 0.88" |
| 418 PM | 61st and 33rd W. Ave. | 0.88" |
| 420 PM | 63rd and Peoria | 1.75" |
| 422 PM | 61st and 49th W. Ave. | 1.00" |
| 423 PM | I-44 and US Hwy 75 | 1.00" |
| 424 PM | 71st and Lewis | 1.00" |
| 429 PM | 49th btwn Havard/Lewis | 0.75" |
| 430 PM | 57th and Riverside | 1.00" |
| 432 PM | 71st and Riverside | 2.50" |

| | | | | | | | | |
|-----------------------|----|--------------------|--|---|---|--|--|-------------------------|
| Adair County | | | | | | | | |
| Westville | 22 | 1540CST | | 0 | 0 | | | Hail (0.75) |
| Osage County | | | | | | | | |
| Barnsdall | 22 | 1630CST | | 0 | 0 | | | Hail (1.00) |
| Pawnee County | | | | | | | | |
| Maramec | 22 | 1630CST | | 0 | 0 | | | Hail (1.00) |
| Pawnee County | | | | | | | | |
| Maramec | 22 | 1630CST | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Tulsa County | | | | | | | | |
| Tulsa to 2 E Tulsa | 22 | 1630CST 1650CST | | 0 | 0 | | | Hail (1.00) |

There were several reports of dime to quarter-sized hail stretching from downtown Tulsa to near I-244 and Utica in Tulsa. The following are a collection of individual reports received by the NWS:

| Time (CDT) | Location | Hail Size (Diameter) |
|------------|-------------------------|----------------------|
| 530 PM | Downtown (Ch. 6 studio) | 0.75" |
| 535 PM | 41st and Peoria | 0.75" |
| 540 PM | Downtown | 1.00" |
| 543 PM | I-244 and Utica | 0.75" |

| | | | | | | | | |
|--------------------------|----|--------------------|--|---|---|--|--|-------------|
| Washington County | | | | | | | | |
| Vera | 22 | 1630CST | | 0 | 0 | | | Hail (0.88) |
| Pawnee County | | | | | | | | |
| Hallett | 22 | 1637CST | | 0 | 0 | | | Hail (0.88) |
| Tulsa County | | | | | | | | |
| Jenks to 7 SE Tulsa | 22 | 1641CST 1710CST | | 0 | 0 | | | Hail (2.00) |



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

There were numerous reports of dime to quarter-sized hail and a report of 2-inch diameter hail covering the ground in an area stretching from Jenks through south Tulsa as far east as US Hwy 169 between 61st and 101st Street South. Here is a summary of reports:

| Time (CDT) | Location | Diameter |
|------------|------------------------------|--------------------|
| 541 PM | 91st and Elm (Jenks) | 1" |
| 544 PM | 91st and Delaware (S. Tulsa) | 1" |
| 548 PM | 91st and Yale | 1" |
| 552 PM | 68th and Lewis | 1" |
| 555 PM | 91st and Memorial | 0.88" |
| 557 PM | 61st and US Hwy 169 | 1" |
| 602 PM | 81st and Memorial | 1.25" |
| 602 PM | 61st and Memorial | 1.25" |
| 607 PM | 101st and Sheridan | 0.75" |
| 616 PM | 81st and Yale | 2" (on the ground) |

Osage County
1 NW Tulsa

22 1658CST 0 0 Hail (0.75)

Location: Tulsa Country Club

Osage County
3 W Tulsa

22 1700CST 0 0 Urban/Sml Stream fld
1800CST

Heavy rains caused flooding that temporarily closed West Edison Street, which runs along the Osage/Tulsa County line, west of downtown Tulsa. Several vehicles stalled out in the high water.

Tulsa County
6 SE Tulsa

22 1710CST 0 0 Thunderstorm Wind (G61)

Location: 51st Street South and Memorial

Creek County
Sapulpa

22 1725CST 0 0 Hail (1.00)

Creek County
Sapulpa

22 1725CST 0 0 0.10K Thunderstorm Wind

Several 6-inch diameter tree limbs were blown down.

Tulsa County
4 S Tulsa

22 1735CST 0 0 Thunderstorm Wind (G57)

Location: I-44 at the Arkansas River

Creek County
Kellyville

22 1740CST 0 0 50K Hail (4.00)

Four-inch diameter hail dented several cars and caused roof damage in Kellyville.

Creek County
Kellyville

22 1740CST 0 0 10K Thunderstorm Wind

Several large trees were blown down in Kellyville, blocking several streets. A shop roof was also blown off.

Delaware County
Colcord

22 1742CST 0 0 Thunderstorm Wind (G52)

Creek County
Kiefer

22 1747CST 0 0 Hail (1.25)

Creek County
Kiefer

22 1747CST 0 0 3K Thunderstorm Wind (G57)

Winds estimated at 65 miles an hour blew down trees and power lines in Kiefer.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 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 |
|---|------|----------------------------|--|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|-------------------------|
| <u>OKLAHOMA, Eastern</u> | | | | | | | | | |
| Creek County Bristow | 22 | 1755CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Okmulgee County 2 N Beggs | 22 | 1755CST | | | 0 | 0 | | | Hail (1.00) |
| Tulsa County 7 S Tulsa | 22 | 1800CST 1830CST | | | 0 | 0 | | | Urban/Sml Stream Fld |
| | | | There was street flooding in south Tulsa, and water covered Sheridan Road at 96th Street. | | | | | | |
| Mayes County 1 N Pryor | 22 | 1805CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| | | | Trees were blown down in north Pryor. | | | | | | |
| Cherokee County 3 N Moodys | 22 | 1815CST | | | 0 | 0 | | | Hail (0.75) |
| Delaware County West Siloam Spgs | 22 | 1815CST | | | 0 | 0 | | | Hail (0.88) |
| Okmulgee County Beggs | 22 | 1815CST | | | 0 | 0 | | | Hail (0.88) |
| Okfuskee County Boley | 22 | 1830CST | | | 0 | 0 | | | Hail (0.75) |
| Muskogee County 3 SE Jamesville | 22 | 1838CST | | | 0 | 0 | 5K | | Thunderstorm Wind |
| | | | Part of the roof of a barn was blown off. | | | | | | |
| Muskogee County Haskell to 5 SSE Haskell | 22 | 1852CST 1855CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind (G57) |
| | | | At 752 PM CDT, several 6-inch diameter tree limbs were blown down. At 755 PM CDT, the Oklahoma mesonet site south-southeast of Haskell measured a 65 mph wind gust. | | | | | | |
| Sequoyah County Sallisaw | 22 | 1853CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Muskogee County Muskogee | 22 | 1900CST 2000CST | | | 0 | 0 | 8K | | Urban/Sml Stream Fld |
| | | | There was street flooding, mainly on the west side of Muskogee. The water level crept toward the doorsteps of some homes near Williams and 30th Streets, but the water receded just in time. A car became stranded in high water in the same vicinity. | | | | | | |
| Okfuskee County Castle | 22 | 1900CST | | | 0 | 0 | | | Hail (0.75) |
| Okfuskee County Okemah | 22 | 1900CST | | | 0 | 0 | | | Hail (1.00) |
| Okmulgee County 6 S Okmulgee | 22 | 1905CST | | | 0 | 0 | 20K | | Thunderstorm Wind (G61) |
| | | | A wind gust estimated at 70 miles an hour damaged a race car south of Okmulgee. | | | | | | |
| Le Flore County 1 S Spiro | 22 | 1925CST | | | 0 | 0 | | | Hail (0.75) |
| Mayes County Locust Grove | 22 | 1930CST | | | 0 | 0 | 60K | | Lightning |
| | | | A lightning strike started a fire that completely gutted a small church on OK Hwy 82. | | | | | | |
| Le Flore County 1 W Spiro | 22 | 1940CST | | | 0 | 0 | | | Hail (0.75) |
| Le Flore County 1 W Spiro | 22 | 1940CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

**Le Flore County
Heavener**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-----|--|--------------------------|
| 22 | 2000CST | | | | 0 | 0 | 11K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-----|--|--------------------------|

A building next door to the Heavener Police Department lost its roof. The roof fell onto two patrol cars, causing minor damage to the vehicles. Elsewhere in Heavener, large tree limbs were blown down.

**Le Flore County
1 S Heavener**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 2004CST | | | | 0 | 0 | | | Hail (0.88) |
|----|---------|--|--|--|---|---|--|--|--------------------|

**Le Flore County
Hodgen**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 22 | 2030CST | | | | 0 | 0 | | | Hail (0.75) |
|----|---------|--|--|--|---|---|--|--|--------------------|

Summary of events for May 22 1999:

A slow-moving cold front kicked off clusters of severe thunderstorms on the afternoon and evening of May 22. Most of the thunderstorms that formed moved very slowly at first, causing severe weather to last a bit longer at a given location than usual. The first thunderstorms of the day formed over northeast Oklahoma, producing hail as large as golfballs. The severe weather emphasis gradually shifted south, and the number of wind reports increased during the evening as earlier storms in the Tulsa area gusted out and produced outflow boundaries that spread south.

**Washington County
Dewey**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|----|--|--------------------------|
| 23 | 0045CST | | | | 0 | 0 | 2K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|----|--|--------------------------|

Power lines were blown down in Dewey.

**Osage County
10 NE Pawhuska**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------------------|
| 23 | 0100CST | | | | 0 | 0 | | | Thunderstorm Wind (G52) |
|----|---------|--|--|--|---|---|--|--|--------------------------------|

**Osage County
10 W Pawhuska**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 23 | 0102CST | | | | 0 | 0 | | | Hail (0.75) |
|----|---------|--|--|--|---|---|--|--|--------------------|

**Ottawa County
Fairland**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 23 | 0125CST | | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Several trees were blown down in Fairland.

**Ottawa County
Afton**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 23 | 0135CST | | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Several tree limbs were blown down near Afton.

**Delaware County
Bernice**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 23 | 0140CST | | | | 0 | 0 | | | Hail (0.88) |
|----|---------|--|--|--|---|---|--|--|--------------------|

**Pawnee County
Terlton**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------------------|
| 23 | 0140CST | | | | 0 | 0 | | | Thunderstorm Wind (G54) |
|----|---------|--|--|--|---|---|--|--|--------------------------------|

**Osage County
1 NW Tulsa**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 23 | 0145CST | | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Several tree limbs were blown down at the Tulsa Country Club.

**Rogers County
Claremore**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 23 | 0145CST | | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Several trees were blown down in Claremore.

**Wagoner County
Wagoner**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 23 | 0200CST | | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Scattered tree limbs were blown down in Wagoner.

**Tulsa County
3 E Tulsa**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|--------------------|
| 23 | 0207CST | | | | 0 | 0 | | | Hail (0.88) |
|----|---------|--|--|--|---|---|--|--|--------------------|

Location: Admiral and Lewis in Tulsa

**Mayes County
Pryor**

| | | | | | | | | | |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 23 | 0215CST | | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Several tree limbs were blown down in Pryor.



National Weather Service

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May 1999

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

OKLAHOMA, Eastern

Rogers County

| | | | | | | | | | |
|-------|----|---------|--|--|---|---|--|--|-------------|
| Inola | 23 | 0215CST | | | 0 | 0 | | | Hail (0.88) |
|-------|----|---------|--|--|---|---|--|--|-------------|

Creek County

| | | | | | | | | | |
|----------|----|---------|--|--|---|---|--|--|-------------------------|
| Shamrock | 23 | 0225CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
|----------|----|---------|--|--|---|---|--|--|-------------------------|

Tulsa County

| | | | | | | | | | |
|-----------|----|---------|--|--|---|---|----|--|----------------------|
| 4 E Tulsa | 23 | 0230CST | | | 0 | 0 | 8K | | Urban/Sml Stream Fld |
|-----------|----|---------|--|--|---|---|----|--|----------------------|

A car got trapped in high water in the 5900 block of 11th Street South in Tulsa. The Tulsa International Airport had one inch of rain in the 20 minutes between 300 and 320 AM CDT.

Wagoner County

| | | | | | | | | | |
|---------|----|---------|--|--|---|---|------|--|-------------------|
| Wagoner | 23 | 0245CST | | | 0 | 0 | 2.5K | | Thunderstorm Wind |
|---------|----|---------|--|--|---|---|------|--|-------------------|

Tree limbs and power lines were blown down in Wagoner during a second round of storms for this event.

Okmulgee County

| | | | | | | | | | |
|-------|----|---------|--|--|---|---|------|--|-------------------|
| Beggs | 23 | 0300CST | | | 0 | 0 | 2.5K | | Thunderstorm Wind |
|-------|----|---------|--|--|---|---|------|--|-------------------|

Power lines and large tree limbs were blown down in Beggs.

Tulsa County

| | | | | | | | | | |
|-------|----|---------|--|--|---|---|-------|--|-------------------|
| Bixby | 23 | 0300CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
|-------|----|---------|--|--|---|---|-------|--|-------------------|

Several trees were blown down near Mingo and 117th Street in Mingo.

Muskogee County

| | | | | | | | | | |
|---------------|----|---------|--|--|---|---|-------|--|-------------------|
| 5 E Ft Gibson | 23 | 0315CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
|---------------|----|---------|--|--|---|---|-------|--|-------------------|

Several trees were blown down east of Fort Gibson.

Mcintosh County

| | | | | | | | | | |
|---------|----|---------|--|--|---|---|-------|--|-------------------|
| Eufaula | 23 | 0330CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
|---------|----|---------|--|--|---|---|-------|--|-------------------|

Several large tree limbs were blown down in Eufaula.

Cherokee County

| | | | | | | | | | |
|-----------------|----|--------------------|--|--|---|---|-----|--|-------------|
| 7 WSW Tahlequah | 23 | 0400CST 0500CST | | | 0 | 0 | 10K | | Flash Flood |
|-----------------|----|--------------------|--|--|---|---|-----|--|-------------|

A road was washed out.

Okmulgee County

| | | | | | | | | | |
|------------|----|--------------------|--|--|---|---|--|--|-------------|
| Countywide | 23 | 0400CST 0500CST | | | 0 | 0 | | | Flash Flood |
|------------|----|--------------------|--|--|---|---|--|--|-------------|

OK Hwy 16 and US Hwy 75 were closed by water that was 3-4 feet deep on the roadways.

Summary of events for May 23 1999:

A nocturnal "bow echo" MCS moved south out of Kansas early on the morning of May 23. As with most bow echoes, strong winds were the primary threat with this system, though there was some marginally severe hail with the most intense thunderstorms in the leading line of storms. This line of storms gradually weakened as it moved southward and had mostly dropped below severe limits by the time it moved south of I-40.

OKZ060

Tulsa

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|-------|
| 23 | 0900CST | | | | 0 | 0 | | | Flood |
| 24 | 0500CST | | | | | | | | |

The Bird Creek at Sperry rose above its flood stage of 21 feet at 1000 AM CDT on May 23. The river crested at a level of 23.3 feet at 600 PM CDT before falling back below flood stage at 600 AM CDT on May 24.

OKZ067-070

Wagoner - Muskogee

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|-------|
| 23 | 1000CST | | | | 0 | 0 | | | Flood |
| 24 | 1200CST | | | | | | | | |

The Arkansas River at Muskogee rose above its flood stage of 28 feet at 1100 AM CDT on May 23. The river crested at a level of 28.8 feet at 1100 PM CDT before falling back below flood stage at 100 PM CDT on May 24.

OKZ064

Creek

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|-------|
| 23 | 1200CST | | | | 0 | 0 | | | Flood |
| 24 | 0600CST | | | | | | | | |

The Polecat Creek at Sapulpa rose above its flood stage of 21 feet on the afternoon of May 23. The river crested at a level of 24.8 feet that evening before falling back below flood stage on the morning of May 24.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

| | | | | | | | | | |
|---|----|--------------------|--|--|---|---|-------|--|-------------------------|
| Osage County | | | | | | | | | |
| Foraker | 31 | 0145CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Tree limbs were blown down in Foraker. | | | | | | | | | |
| Washington County | | | | | | | | | |
| Dewey | 31 | 0315CST | | | 0 | 0 | | | Hail (0.75) |
| Nowata County | | | | | | | | | |
| Lenapah | 31 | 0330CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Several 3-inch tree limbs were blown down. | | | | | | | | | |
| Osage County | | | | | | | | | |
| Hominy | 31 | 0340CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Tulsa County | | | | | | | | | |
| Collinsville to Owasso | 31 | 0353CST 0358CST | | | 0 | 0 | 12K | | Thunderstorm Wind |
| In Collinsville, a 150-year old tree was blown onto a house, leaving a large hole in the roof. In Owasso, tree limbs were blown down, and the roof was blown off of a metal shed. | | | | | | | | | |
| Osage County | | | | | | | | | |
| 7 W Skiatook to 2 W Skiatook | 31 | 0400CST | | | 0 | 0 | 8K | | Thunderstorm Wind |
| Part of the roof of a daycare center located 2 miles west of Skiatook was blown off. Just north of Skiatook Lake, a home had several shingles blown off, and several 3-inch diameter tree limbs were blown down. | | | | | | | | | |
| Tulsa County | | | | | | | | | |
| Owasso | 31 | 0410CST | | | 0 | 0 | | | Hail (0.75) |
| Rogers County | | | | | | | | | |
| 5 E Catoosa | 31 | 0415CST | | | 0 | 0 | | | Thunderstorm Wind (G61) |
| Wind gusts estimated near 70 miles an hour caused tree damage east of Catoosa. | | | | | | | | | |
| Tulsa County | | | | | | | | | |
| 9 E Tulsa | 31 | 0415CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Several trees (3-4 inch tree trunks, 6-8 feet tall) were blown down in the median of 11th Street South near Memorial Drive in Tulsa. A large road sign was blown down onto I-244 near US Hwy 169 in Tulsa. | | | | | | | | | |
| Tulsa County | | | | | | | | | |
| Broken Arrow | 31 | 0425CST 0430CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind (G52) |
| Several large tree limbs were blown down in Wedgewood Park (near 81st and 145th East Avenue) by winds estimated at 60 miles an hour. Throughout Tulsa County, between 15,000 and 20,000 electric customers lost power when the storm caused tree limbs to fall onto power lines, lightning to hit transformers and wind gusts to blow down power lines. | | | | | | | | | |
| Rogers County | | | | | | | | | |
| Inola | 31 | 0440CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Tree limbs were blown down in Inola. | | | | | | | | | |
| Wagoner County | | | | | | | | | |
| Coweta | 31 | 0450CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Tree limbs were blown down in Coweta. | | | | | | | | | |
| Mayer County | | | | | | | | | |
| 3 E Locust Grove | 31 | 0500CST | | | 0 | 0 | 3K | | Thunderstorm Wind |
| Trees and power lines were blown down east of Locust Grove. | | | | | | | | | |
| Wagoner County | | | | | | | | | |
| 2 E Redbird | 31 | 0510CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Several large trees were blown down east of Redbird at the Hilltop Golf Course. | | | | | | | | | |
| Adair County | | | | | | | | | |
| Westville | 31 | 0550CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| Several 4-inch diameter tree limbs were blown down in Westville. | | | | | | | | | |



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

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

OKLAHOMA, Eastern

| | | | | | | | | | |
|------------------------|-----------|----------------|--|--|----------|----------|--|--|--------------------------------|
| Mcintosh County | | | | | | | | | |
| Eufaula | 31 | 0605CST | | | 0 | 0 | | | Thunderstorm Wind (G54) |

| | | | | | | | | | |
|-----------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| Latimer County | | | | | | | | | |
| Gowen | 31 | 0645CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |

Several large tree limbs were blown down in Gowen.

| | | | | | | | | | |
|-------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| Pittsburg County | | | | | | | | | |
| Hartshorne | 31 | 0645CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |

Several 6 to 8-inch tree limbs were blown down in Hartshorne.

| | | | | | | | | | |
|-----------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| Latimer County | | | | | | | | | |
| Red Oak | 31 | 0700CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |

Several 4 to 5-inch tree limbs were blown down in Red Oak.

| | | | | | | | | | |
|--------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| Pushmataha County | | | | | | | | | |
| Clayton | 31 | 0715CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |

Several trees were uprooted in Clayton.

Summary of events for May 31 1999:

A line of severe thunderstorms moved southward out of Kansas early on the morning of Memorial Day, May 31. This line quickly swept southward through all of eastern Oklahoma before finally weakening below severe limits in far southeast Oklahoma. These storms mainly produced damaging winds.