

Oklahoma, Eastern September 1993

Osage County, Wynona	02 1805CST	0	0		TSTM Wind
Washington County, 1 E Bartlesville	02 1830CST	0	0		TSTM Wind
Nowata County, 1 W Nowata	02 1850CST	0	0		TSTM Wind

Isolated severe thunderstorms developed in northeast Oklahoma during the late afternoon and early evening of September 2nd. The storms produced strong winds which downed trees at Wynona, and large tree limbs were downed 1 mile east of Bartlesville and 1 mile west of Nowata.

Okmulgee County, Henryetta	08 0500CST- 0600CST	0	0		Flash Flood
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Heavy rains during the early morning of September 8th resulted in flash flooding in the town of Henryetta. Minor to moderate flooding occurred on the east side of town, where water covered several roads.

Okfuskee County, Bearden - 1 E Bearden	13 1645CST-1648CST	50	0	0	Tornado (F-0)
Okmulgee County, Okmulgee	13 1722CST	0	0	3	TSTM Wind
Okmulgee County, Okmulgee	13 1745CST-1815CST	0	0		Flash Flood
Okmulgee County, Henryetta	13 1745CST-1815CST	0	0		Flash Flood
Okfuskee County, Okemah	13 1800CST-2130CST	0	0		Flash Flood
Muskogee County, Muskogee	13 1825CST	0	0		TSTM Wind
Muskogee County, 1 NE Muskogee	13 1830CST	0	0		TSTM Wind
McIntosh County, Hitchita	13 1830CST	0	0		TSTM Wind
Wagoner County, 6 E Wagoner	13 1830CST	0	0		TSTM Wind
Wagoner County, 3 E Broken Arrow	13 1900CST-1930CST	0	0		Flash Flood
Delaware County, NR Kansas	13 1910CST	0	0		Hail (0.75)
Cherokee County, 5 NW Chewey - 2 NW Chewey	13 1910CST	0	0		TSTM Wind
Adair County, 2 NW Chewey - Chewey	13 1910CST	0	0		TSTM Wind
Tulsa County, Bixby	13 1930CST-2000CST	0	0		Flash Flood
Okmulgee County, Beggs	13 1930CST-2000CST	0	0		Flash Flood
Delaware County, 2 W Cherokee City, AR	13 1950CST	0	0	4	TSTM Wind
McIntosh County, West of Eufaula	13 2000CST-2030CST	0	0		Flash Flood
Muskogee County, Muskogee	13 2000CST-2100CST	0	0		Flash Flood

Cherokee County, 13	2100CST-	0	0	Flash Flood
Northern part of county2200CST				
Adair County,	13 2230CST-	0	0	Flash Flood
Stilwell 2300CST				
Cherokee County, 13	2330CST	0	0	TSTM Wind
Peggs to Tahlequah				
Adair County,	14 0030CST	0	0	TSTM Wind
Bunch				

Severe thunderstorms developed in east central and parts of northeast Oklahoma ahead of a strong cold front during the late afternoon and evening of September 13th and lingered into the very early morning of september 14th. Damaging winds accompanied many of the storms, and 1 tornado also occurred. The tornado touched down at 1645 CST on the south side of Bearden and moved east for 1 mile before lifting at 1648 CST. the tornado passed 1 mile south of the Bearden School and between two widely spaced homes, and no structural damage occurred as a result of the tornado. Some tree damage did occur along the 50 yard wide path of the tornado, and the tornado was rated as an F-0 in intensity. Strong thunderstorm winds destroyed a barn and damaged several buildings in southeast Delaware County 2 miles west of Cherokee City, Arkansas. A boat was overturned by strong winds 1/4 mile southeast of the Wal-Mart store in the town of Okmulgee, and trees were also damaged in the same area. Numerous trees were downed from 5 miles northwest of Chewey to Chewey, and one tree was uprooted and numerous large tree limbs were downed on the west side of the town of Muskogee. Power lines were also downed by the strong winds just northeast of Muskogee. Large branches and tree limbs were downed on several rural roads between Peggs and Tahlequah, and numerous large tree limbs were downed at Sequoyah State Park and Golf Course 6 miles east of Wagoner. Strong thunderstorm winds also downed numerous large tree limbs at Hitchita and at Bunch. The storms also produced dime size hail near the town of Kansas in southern Delaware County.

The thunderstorms also produced heavy rainfall which resulted in flash flooding. Many county roads were flooded in northern Cherokee County, and several rural roads were covered by water west of Eufaula. An underpass on State Highway 16 in the town of Beggs was underwater, and 71st Street was flooded 3 miles east of Broken Arrow in western Wagoner County. Many streets were flooded in Okemah and Bixby, and several streets were flooded in Muskogee. Street flooding also occurred in Okmulgee, Henryetta, and Stilwell.

Osage County,	19 1455CST	0	0	Hail (1.00)
1 W Webb City				
Osage County,	19 1521CST	0	0	Hail (0.75)
Shidler				
Osage County,	19 1522CST	0	0	Hail (1.00)
1 N Shidler				
Creek County,	19 1550CST	0	0	Hail (1.00)
1 S Shamrock				
Creek County,	19 1604CST	0	0	Hail (1.00)
4 N Shamrock				
Washington County,19	1615CST	0	0	TSTM Wind (52)
Copan				
Washington County,19	1635CST	0	0	Hail (0.75)
Copan				
Osage County,	19 1643CST	0	0	Hail (1.00)
1 N Pawhuska				
Creek County,	19 1650CST	0	0	Hail (0.75)
10 NE Bristow				
Osage County,	19 1652CST	0	0	Hail (0.75)
10 N Pawhuska				
Nowata County,	19 1705CST	0	0	Hail (0.88)
Lenapah				
Osage County,	19 1710CST	0	0	Hail (0.75)

1.5 W Bartlesville							
Washington County,	19	1720CST		0	0		Hail (0.88)
Bartlesville							
Osage County,	19	1725CST		0	0		Hail (1.75)
5.5 W Bartlesville							
Okmulgee County,	19	1741CST		0	0		Hail (1.00)
Beggs							
Okmulgee County,	19	1745CST		0	0		Hail (0.75)
2 E Beggs							
Osage County,	19	1745CST		0	0		Hail (0.75)
5 W Bartlesville							
Okmulgee County,	19	1800CST	0.1 30	0	0	3	Tornado (F-0)
4 E Beggs							
Tulsa County,	19	1829CST		0	0		Hail (0.75)
Tulsa							
Okmulgee County,	19	1830CST		0	0		Hail (1.00)
4 N Okmulgee							
Tulsa County,	19	1956CST		0	0		Hail (0.88)
Tulsa							
Tulsa County,	19	1957CST		0	0		Hail (0.88)
Tulsa							
Tulsa County,	19	1959CST		0	0		Hail (0.75)
Tulsa							
Tulsa County,	19	2001CST		0	0		Hail (0.88)
Tulsa							

Severe thunderstorms developed in northeast Oklahoma during the afternoon and evening of September 19th. Large hail accompanied many of the storms, and 1 tornado also occurred. The tornado touched down briefly at 1800 CST 4 miles east of Beggs near the intersection of U.S. Highway 75 and State Highway 16. A roof was blown off a mobile home as a result of this F-0 tornado, and other minor damage also occurred. The storms produced golfball size hail 5.5 miles west of Bartlesville, and dime to quarter size hail fell at many locations in northeast Oklahoma, including the city of Tulsa. Thunderstorm winds gusted to 60 miles an hour at Copan.

Pittsburg County,	24	1945CST		0	0		TSTM Wind
5.5 SW Scipio							

An isolated severe thunderstorm developed in western Pittsburg County during the evening of September 24th and produced strong winds which downed trees 5.5 miles southwest of Scipio.

Osage County,	24	2130CST-		0	0		Flash Flood
1.5 W Bartlesville - 1 W Bartlesville							
2230CST							
Washington County,	24	2130CST-		0	0		Flash Flood
1 W Bartlesville - 1.5 E Bartlesville							
2230CST							
Nowata County,	24-	2250CST-		0	0		Flash Flood
Countywide							
25 0500CST							
Ottawa County,	24-	2255CST-		0	0		Flash Flood
Countywide							
25 0500CST							
Craig County,	24-	2345CST-		0	0		Flash Flood
Countywide							
25 0500CST							
Rogers County,	25	0000CST-		0	0		Flash Flood
4 NW Chelsea							
0030CST							
Ottawa County,	24-	1800CST-		0	0		River Flooding
Countywide							
2300CST							

Heavy rains in northeast Oklahoma during the evening of September 24th and early morning of September 25th resulted in flash flooding.

Rainfall amounts of up to 8 1/2 inches fell in extreme northeast Oklahoma, sending many creeks in Nowata, Craig, and Ottawa Counties out of their banks. Approximately 150 people were evacuated in these counties during the early morning of September 25th. The majority of the people evacuated were in the floodplain of Tar Creek in the northeast part of the town of Miami in Ottawa County. Tar Creek flooded some homes to a depth of 4 to 5 feet. Several roads were also covered by water in northeast Oklahoma, including U.S. Highway 60 10 miles east of Bartlesville and 5 miles west of Nowata, State Highway 28 4 miles northwest of Chelsea, State Highway 10 4 miles east of Welch, and State Highway 125 3 miles south of Miami. Major street flooding occurred from 1.5 miles west of Bartlesville to 1.5 miles east of Bartlesville, and street flooding also occurred in Vinita and Miami.

Rainfall was even heavier upstream in southeast Kansas, and this resulted in major river flooding in Ottawa County along the Spring and Neosho Rivers. The Spring River near Quapaw was above flood stage from around 1800 CST September 24th to around 0600 CST September 29th. The Spring River at Quapaw crested at a record level of 46.40 feet around 1100 CST on September 26th. This was 26.4 feet above the flood stage of 20 feet. The previous highest crest was 43.40 feet recorded on May 19, 1943. The Neosho River near Commerce was above flood stage from around 1800 CST September 24th to around 0600 CST October 1st. The Neosho River at Commerce crested at 24.09 feet around 1500 CST on September 27th. This was 9.09 feet above the flood stage of 15 feet, and it was the 5th highest crest recorded at Commerce. Local officials reported that up to 500 structures were evacuated in Ottawa County, including up to 300 in the town of Miami. The floodwaters closed all main highways in the county except for Interstate 44. Assessment teams from the Federal Emergency Management Agency are tabulating the flood damage, but due to the extent of the flooding, no estimates are available as of the end of October. There were no reports of deaths or injuries as a result of either the flash flooding or the river flooding in northeast Oklahoma.