

Storm Data and Unusual Weather Phenomena - May 2007

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---------------------------------------|
| ILLINOIS, South | | | | |
| PULASKI COUNTY | | | | |
| ULLIN | 05/10/07 15:15 CST | | 0 | Heavy Rain |
| KARNAK | 05/10/07 16:45 CST | | 0 | 37.27N, 89.18W ~ 37.28N, 88.97W |
| Two to three inches of water was reported over some roads, including Highway 37 west of Karnak and Grand Chain. | | | | |
| Thunderstorms with very heavy rain developed in a moist and unstable atmosphere ahead of a cold front over central Illinois. | | | | |
| FRANKLIN COUNTY | | | | |
| 3.5 NW CHRISTOPHER | 05/10/07 16:59 CST | | 0 | Hail (1.00 in) |
| | 05/10/07 16:59 CST | | 0 | 38.0058N, 89.0954W |
| Numerous thunderstorms developed in a very warm and unstable atmosphere ahead of a weak cold front over central Illinois. The very slow-moving storms produced very heavy rain and an isolated report of large hail. | | | | |
| FRANKLIN COUNTY | | | | |
| BENTON | 05/10/07 17:45 CST | | 0 | Flash Flood (due to Heavy Rain) |
| | 05/10/07 18:45 CST | | 0 | 38N, 88.92W |
| Eight inches of water was over a three-block stretch of roadway. The flooded road was west of the intersection with Highway 14. Eight inches of water was reported blocking Highway 14 in Benton. | | | | |
| PERRY COUNTY | | | | |
| DU QUOIN | 05/10/07 18:20 CST | | 0 | Heavy Rain |
| | 05/10/07 19:10 CST | | 0 | 38.02N, 89.23W |
| Water was on a couple of streets in town. | | | | |
| Thunderstorms with very heavy rain developed in a moist and unstable atmosphere ahead of a cold front over central Illinois. | | | | |
| MASSAC COUNTY | | | | |
| 5.0 E METROPOLIS | 05/15/07 15:42 CST | | 25K | Thunderstorm Wind (EG 56 kt) |
| BROOKPORT | 05/15/07 15:55 CST | | 0 | 37.15N, 88.6393W ~ 37.12N, 88.63W |
| Numerous trees and power lines were blown down. Shingles were blown off a number of homes. | | | | |
| MASSAC COUNTY | | | | |
| METROPOLIS | 05/15/07 15:45 CST | | 0 | Hail (1.00 in) |
| | 05/15/07 15:45 CST | | 0 | 37.15N, 88.73W |
| POPE COUNTY | | | | |
| GOLCONDA | 05/15/07 15:55 CST | | 15K | Thunderstorm Wind (EG 56 kt) |
| | 05/15/07 15:55 CST | | 0 | 37.37N, 88.48W |
| Numerous trees were blown down. Siding was off a home. | | | | |
| PULASKI COUNTY | | | | |
| PERKS | 05/15/07 16:50 CST | | 4K | Thunderstorm Wind (EG 50 kt) |
| | 05/15/07 16:50 CST | | 0 | 37.3N, 89.08W |
| Four large trees were blown down. | | | | |
| JOHNSON COUNTY | | | | |
| 1.0 W VIENNA | 05/15/07 16:55 CST | | 0 | Hail (1.00 in) |
| | 05/15/07 16:55 CST | | 0 | 37.42N, 88.9182W |
| JOHNSON COUNTY | | | | |
| 8.0 SW VIENNA | 05/15/07 16:57 CST | | 5K | Thunderstorm Wind (EG 52 kt) |
| 1.0 E SIMPSON | 05/15/07 17:08 CST | | 0 | 37.3382N, 89.0029W ~ 37.47N, 88.7318W |
| Several trees were blown down across roads, including Highway 37. | | | | |

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

A line of thunderstorms along a strong cold front reached southeast Missouri by mid-afternoon. As this line of storms approached the Mississippi River, new thunderstorm development occurred over western Kentucky and southern Illinois. These new storms formed in a very warm and unstable atmosphere heated by almost unabated sunshine. The new storms turned out to produce most of the severe weather reports, consisting mostly of marginally severe hail and wind gusts to around 60 MPH. The initial line of storms over southeast Missouri weakened as it moved east, crossing into cooler air that was stabilized by the new thunderstorms. Winds in the mid and upper levels of the atmosphere were marginally favorable for organized storm structures. Some of the storms evolved into small lines capable of damaging winds. The wind shear, or change of wind speed and direction with height, was not supportive of storm rotation. As a result, all of the reported wind damage was the result of straight-line winds.

WABASH COUNTY

| | | | | |
|-----------|--------------------|---|----|------------------------------|
| MT CARMEL | 05/27/07 17:19 CST | 0 | 1K | Thunderstorm Wind (EG 50 kt) |
| | 05/27/07 17:19 CST | 0 | | 38.42N, 87.77W |

Local law enforcement reported 55 to 60 MPH winds with large tree limbs down.

An isolated severe weather event occurred in the Wabash Valley. The storm occurred in a deep southwest flow ahead of a broad upper level trough over the southern Plains.

INDIANA, Southwest

SPENCER COUNTY

| | | | | |
|----------|--------------------|---|---|----------------|
| ROCKPORT | 05/04/07 18:29 CST | 0 | 0 | Hail (0.75 in) |
| | 05/04/07 18:29 CST | 0 | | 37.88N, 87.05W |

A weak 500 mb shortwave trough moved northeast across the Lower Ohio Valley. This feature triggered thunderstorms, some of which produced very heavy rain and an isolated hail event.

POSEY COUNTY

| | | | | |
|-------------|--------------------|---|---|------------------|
| 5.0 S HOVEY | 05/10/07 16:12 CST | 0 | 0 | Hail (0.88 in) |
| | 05/10/07 16:12 CST | 0 | | 37.8277N, 87.93W |

POSEY COUNTY

| | | | | |
|-------------|--------------------|---|---|------------------------------|
| 5.0 S HOVEY | 05/10/07 16:12 CST | 0 | 0 | Thunderstorm Wind (EG 50 kt) |
| | 05/10/07 16:12 CST | 0 | | 37.8277N, 87.93W |

Wind gusts were estimated from 55 to 60 MPH along with the nickel-size hail.

Numerous thunderstorms developed in a very warm and unstable atmosphere ahead of a weak cold front over central Illinois. The very slow-moving storms produced very heavy rain and an isolated report of large hail and strong wind.

POSEY COUNTY

| | | | | |
|-----------------|--------------------|---|---|---------------------------------|
| 1.0 W MT VERNON | 05/10/07 16:30 CST | 0 | 0 | Flash Flood (due to Heavy Rain) |
| | 05/10/07 18:00 CST | 0 | | 37.93N, 87.9183W |

Water was reported over a roadway on the west end of Mount Vernon. Radar estimated 3 to 4 inches of rain fell in less than two hours in southwest Posey County.

Thunderstorms with very heavy rain developed in a moist and unstable atmosphere ahead of a cold front over central Illinois.

POSEY COUNTY

| | | | | |
|-----------------|--------------------|---|---|-----------------|
| 5.0 N MT VERNON | 05/15/07 17:15 CST | 0 | 0 | Hail (0.88 in) |
| | 05/15/07 17:15 CST | 0 | | 38.0023N, 87.9W |

POSEY COUNTY

| | | | | |
|-------------|--------------------|---|----|------------------------------|
| NEW HARMONY | 05/15/07 17:30 CST | 0 | 5K | Thunderstorm Wind (EG 50 kt) |
| | 05/15/07 17:30 CST | 0 | | 38.13N, 87.93W |

Trees were blown down.

SPENCER COUNTY

| | | | | |
|------|--------------------|---|---|----------------|
| DALE | 05/15/07 17:35 CST | 0 | 0 | Hail (1.00 in) |
| | 05/15/07 17:38 CST | 0 | | 38.17N, 86.98W |

Storm Data and Unusual Weather Phenomena - May 2007

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

PIKE COUNTY

| | | | | |
|------------|--------------------|--|----|------------------------------|
| PETERSBURG | 05/15/07 17:45 EST | | 5K | Thunderstorm Wind (EG 50 kt) |
| | 05/15/07 17:45 EST | | 0 | 38.5N, 87.28W |

Large tree limbs were down across town. Power lines were down on a street. A camper was reportedly damaged.

PIKE COUNTY

| | | | | |
|------------|--------------------|--|---|----------------|
| PETERSBURG | 05/15/07 17:46 EST | | 0 | Hail (1.00 in) |
| | 05/15/07 17:46 EST | | 0 | 38.5N, 87.28W |

The large hail fell for about 30 seconds.

A line of thunderstorms along a strong cold front reached southeast Missouri by mid-afternoon. As this line of storms approached the Mississippi River, new thunderstorm development occurred over western Kentucky and southern Illinois. These new storms formed in a very warm and unstable atmosphere heated by almost unabated sunshine. The new storms moved into southwest Indiana, accompanied by several cases of large hail and damaging wind gusts to around 60 MPH. The initial line of storms over southeast Missouri weakened as it moved east. Winds in the mid and upper levels of the atmosphere were marginally favorable for organized storm structures. Some of the storms evolved into small lines capable of damaging winds.

KENTUCKY, Southwest

HOPKINS COUNTY

| | | | | |
|--------------|--------------------|--|---|----------------|
| MADISONVILLE | 05/04/07 19:09 CST | | 0 | Hail (0.88 in) |
| | 05/04/07 19:09 CST | | 0 | 37.33N, 87.5W |

A weak 500 mb shortwave trough moved northeast across the Lower Ohio Valley. This feature triggered some thunderstorms, including an isolated severe storm.

MARSHALL COUNTY

| | | | | |
|----------------------|--------------------|--|---|------------------|
| 1.0 S LITTLE CYPRESS | 05/08/07 16:00 CST | | 0 | Hail (0.75 in) |
| | 05/08/07 16:00 CST | | 0 | 37.0055N, 88.43W |

Scattered thunderstorms formed in a very warm and unstable atmosphere beneath an upper level ridge. An isolated storm produced marginally severe hail.

MUHLENBERG COUNTY

| | | | | |
|--------------------|--------------------|--|---|-----------------|
| 2.0 W CENTRAL CITY | 05/09/07 15:48 CST | | 0 | Hail (0.88 in) |
| | 05/09/07 15:48 CST | | 0 | 37.3N, 87.1663W |

An isolated severe thunderstorm developed in record heat and humidity during the late afternoon hours. Highs were in the upper 80's.

LIVINGSTON COUNTY

| | | | | |
|-------|--------------------|--|---|---------------------------------|
| BURNA | 05/10/07 13:25 CST | | 0 | Flash Flood (due to Heavy Rain) |
| | 05/10/07 14:45 CST | | 0 | 37.25N, 88.37W |

Water was reported over roads in the Burna area.

Thunderstorms with very heavy rain developed in a moist and unstable atmosphere ahead of a cold front over central Illinois.

HOPKINS COUNTY

| | | | | |
|--------------------|--------------------|--|---|-----------------|
| 1.0 N MADISONVILLE | 05/11/07 14:25 CST | | 0 | Hail (0.88 in) |
| | 05/11/07 14:25 CST | | 0 | 37.3445N, 87.5W |

A thunderstorm briefly pulsed up to severe levels in a warm and unstable air mass characterized by weak flow aloft.

BALLARD COUNTY

| | | | | |
|-----------------|--------------------|--|----|------------------------------|
| 0.5 W LA CENTER | 05/15/07 14:32 CST | | 5K | Thunderstorm Wind (EG 56 kt) |
| | 05/15/07 14:32 CST | | 0 | 37.07N, 88.9891W |

A barn was heavily damaged. At least one tree was down in the area.

HICKMAN COUNTY

Storm Data and Unusual Weather Phenomena - May 2007

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------|
| CLINTON | 05/15/07 14:50 CST | | 0 | Hail (0.75 in) |
| | 05/15/07 15:03 CST | | 0 | 36.67N, 88.98W |

FULTON COUNTY

| | | | | |
|---------|--------------------|--|----|------------------------------|
| HICKMAN | 05/15/07 14:55 CST | | 6K | Thunderstorm Wind (EG 50 kt) |
| | 05/15/07 14:55 CST | | 0 | 36.57N, 89.18W |

Several trees were blown down.

HICKMAN COUNTY

| | | | | |
|---------------|--------------------|--|----|------------------------------------|
| 1.0 E CLINTON | 05/15/07 15:00 CST | | 3K | Thunderstorm Wind (EG 50 kt) |
| 4.0 E CLINTON | 05/15/07 15:00 CST | | 0 | 36.67N, 88.962W ~ 36.67N, 88.9079W |

Trees were blown down, mainly to the east of Clinton.

A line of thunderstorms along a strong cold front reached southeast Missouri by mid-afternoon. As this line of storms approached the Mississippi River, new thunderstorm development occurred over western Kentucky and southern Illinois. These new storms formed in a very warm and unstable atmosphere heated by almost unabated sunshine. The new storms turned out to produce most of the severe weather reports, consisting mostly of marginally severe hail and wind gusts to around 60 MPH. The initial line of storms over southeast Missouri weakened as it moved east, crossing into cooler air that was stabilized by the new thunderstorms. Winds in the mid and upper levels of the atmosphere were marginally favorable for organized storm structures. Some of the storms evolved into small lines capable of damaging winds. The wind shear, or change of wind speed and direction with height, was not supportive of storm rotation. As a result, all of the reported wind damage was the result of straight-line winds.

HICKMAN COUNTY

| | | | | |
|---------|--------------------|--|---|---------------------------------|
| CLINTON | 05/15/07 15:17 CST | | 0 | Flash Flood (due to Heavy Rain) |
| | 05/15/07 17:15 CST | | 0 | 36.67N, 88.98W |

Localized street flooding occurred. Six inches of water was reported across one street. Minor viaduct flooding occurred. The county emergency management office reported 2.2 inches of rain from the storm.

Thunderstorms with very heavy rain developed ahead of a strong cold front moving southeast across Missouri and Illinois.

MCCRACKEN COUNTY

| | | | | |
|-----------|--------------------|--|----|-------------------------------|
| WOODVILLE | 05/15/07 15:27 CST | | 7K | Thunderstorm Wind (EG 52 kt) |
| RAGLAND | 05/15/07 15:33 CST | | 0 | 37.1N, 88.88W ~ 37.17N, 88.9W |

A power pole was snapped, several trees were blown down, and live power lines were down. A roof was off a kennel.

BALLARD COUNTY

| | | | | |
|-------|--------------------|--|-----|------------------------------|
| KEVIL | 05/15/07 15:30 CST | | 20K | Thunderstorm Wind (EG 56 kt) |
| | 05/15/07 15:30 CST | | 0 | 37.08N, 88.9W |

A garage collapsed. Numerous trees and power lines were blown down. At least one road was closed.

CRITTENDEN COUNTY

| | | | | |
|--------------|--------------------|--|---|------------------|
| 3.0 E MARION | 05/15/07 15:41 CST | | 0 | Hail (0.75 in) |
| | 05/15/07 15:41 CST | | 0 | 37.33N, 88.0255W |

CRITTENDEN COUNTY

| | | | | |
|---------------|--------------------|--|----|-------------------------------------|
| MARION | 05/15/07 15:41 CST | | 4K | Thunderstorm Wind (EG 50 kt) |
| 2.0 SE MARION | 05/15/07 15:41 CST | | 0 | 37.33N, 88.08W ~ 37.3096N, 88.0543W |

Trees were down on two streets in Marion, including one that fell on a power line. Another tree was down off Highway 506 just southeast of Marion.

LIVINGSTON COUNTY

| | | | | |
|---------|--------------------|--|----|------------------------------|
| HAMPTON | 05/15/07 16:05 CST | | 2K | Thunderstorm Wind (EG 50 kt) |
| | 05/15/07 16:05 CST | | 0 | 37.28N, 88.37W |

Large tree limbs were blown down.

A line of thunderstorms along a strong cold front reached southeast Missouri by mid-afternoon. As this line of storms approached the Mississippi River, new thunderstorm development occurred over western Kentucky and southern Illinois. These new storms formed in a very warm and unstable atmosphere heated by almost unabated sunshine. The new storms turned out to produce most of the severe weather reports, consisting mostly of marginally severe hail and wind gusts to around 60 MPH. The initial line of storms over southeast

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|---|--------------------|-------------------|---------------------|--------------------------------------|
| <p>Missouri weakened as it moved east, crossing into cooler air that was stabilized by the new thunderstorms. Winds in the mid and upper levels of the atmosphere were marginally favorable for organized storm structures. Some of the storms evolved into small lines capable of damaging winds. The wind shear, or change of wind speed and direction with height, was not supportive of storm rotation. As a result, all of the reported wind damage was the result of straight-line winds.</p> | | | | |
| <hr/> | | | | |
| LIVINGSTON COUNTY | | | | |
| LOLA | 05/15/07 16:20 CST | | 0 | Flash Flood (due to Heavy Rain) |
| | 05/15/07 17:30 CST | | 0 | 37.32N, 88.3W |
| <p>Water was 6 to 7 inches deep on Highway 133 at Highway 838.</p> | | | | |
| <p>Thunderstorms with very heavy rain developed ahead of a strong cold front moving southeast across Missouri and Illinois.</p> | | | | |
| <hr/> | | | | |
| GRAVES COUNTY | | | | |
| MAYFIELD | 05/15/07 16:38 CST | | 0 | Hail (0.75 in) |
| | 05/15/07 16:38 CST | | 0 | 36.73N, 88.63W |
| <hr/> | | | | |
| HENDERSON COUNTY | | | | |
| CORYDON | 05/15/07 16:40 CST | | 50K | Thunderstorm Wind (EG 52 kt) |
| REED | 05/15/07 16:55 CST | | 0 | 37.73N, 87.7W ~ 37.85N, 87.35W |
| <p>Numerous trees were blown down across the county. Two houses were damaged by falling trees, including one in Reed and another in Corydon. About ten streets were blocked by downed trees around the county.</p> | | | | |
| <hr/> | | | | |
| WEBSTER COUNTY | | | | |
| WHEATCROFT | 05/15/07 16:45 CST | | 2K | Thunderstorm Wind (EG 50 kt) |
| | 05/15/07 16:45 CST | | 0 | 37.48N, 87.87W |
| <p>Two trees were down.</p> | | | | |
| <hr/> | | | | |
| CALLOWAY COUNTY | | | | |
| 2.0 WSW LYNN GROVE | 05/15/07 16:53 CST | | 0 | Hail (0.75 in) |
| | 05/15/07 16:53 CST | | 0 | 36.5889N, 88.4633W |
| <hr/> | | | | |
| HENDERSON COUNTY | | | | |
| 2.0 WSW HENDERSON | 05/15/07 16:55 CST | | 0 | Hail (0.88 in) |
| | 05/15/07 16:55 CST | | 0 | 37.8189N, 87.6138W |
| <p>Nickel-size hail was reported at the corner of U.S. Highway 60 and Highway 425.</p> | | | | |
| <hr/> | | | | |
| CALLOWAY COUNTY | | | | |
| MURRAY | 05/15/07 16:56 CST | | 20K | Thunderstorm Wind (EG 52 kt) |
| DEXTER | 05/15/07 17:06 CST | | 0 | 36.62N, 88.32W ~ 36.75N, 88.28W |
| <p>Numerous trees were down in northern parts of the county. A few trees were down in Murray. Near downtown Murray, a large tree fell on a car and destroyed the vehicle.</p> | | | | |
| <hr/> | | | | |
| CALDWELL COUNTY | | | | |
| 8.0 N PRINCETON | 05/15/07 17:00 CST | | 3K | Thunderstorm Wind (EG 50 kt) |
| 6.0 NE PRINCETON | 05/15/07 17:00 CST | | 0 | 37.2357N, 87.87W ~ 37.1813N, 87.793W |
| <p>A few downed trees blocked roads, mainly in north and east portions of the county.</p> | | | | |
| <hr/> | | | | |
| MARSHALL COUNTY | | | | |
| 4.0 W DRAFFENVILLE | 05/15/07 17:02 CST | | 2K | Thunderstorm Wind (EG 50 kt) |
| | 05/15/07 17:02 CST | | 0 | 36.92N, 88.4023W |
| <p>Two trees were blown down in the vicinity of U.S. Highway 68.</p> | | | | |
| <hr/> | | | | |
| DAVISS COUNTY | | | | |
| MACEO | 05/15/07 17:25 CST | | 0 | Thunderstorm Wind (MG 53 kt) |
| | 05/15/07 17:25 CST | | 0 | 37.87N, 87W |
| <p>The 61 MPH gust was measured by a trained spotter.</p> | | | | |

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HOPKINS COUNTY

| | | | | |
|----------------|--------------------|--|----|------------------------------|
| 1.0 N BARNSELY | 05/15/07 17:40 CST | | 5K | Thunderstorm Wind (EG 56 kt) |
| | 05/15/07 17:40 CST | | 0 | 37.2645N, 87.5W |

A shed was blown over near the county high school.

DAVISS COUNTY

| | | | | |
|--------------------|--------------------|--|----|-------------------------------------|
| WHITESVILLE | 05/15/07 17:48 CST | | 5K | Thunderstorm Wind (EG 52 kt) |
| 7.0 SW WHITESVILLE | 05/15/07 18:00 CST | | 0 | 37.68N, 86.88W ~ 37.6084N, 86.9704W |

Trees were down on the east side of the county, blocking roads.

A line of thunderstorms along a strong cold front reached southeast Missouri by mid-afternoon. As this line of storms approached the Mississippi River, new thunderstorm development occurred over western Kentucky and southern Illinois. These new storms formed in a very warm and unstable atmosphere heated by almost unabated sunshine. The new storms turned out to produce most of the severe weather reports, consisting mostly of marginally severe hail and wind gusts to around 60 MPH. The initial line of storms over southeast Missouri weakened as it moved east, crossing into cooler air that was stabilized by the new thunderstorms. Winds in the mid and upper levels of the atmosphere were marginally favorable for organized storm structures. Some of the storms evolved into small lines capable of damaging winds. The wind shear, or change of wind speed and direction with height, was not supportive of storm rotation. As a result, all of the reported wind damage was the result of straight-line winds.

HOPKINS COUNTY

| | | | | |
|--------------|--------------------|--|---|---------------|
| MADISONVILLE | 05/15/07 18:00 CST | | 0 | Heavy Rain |
| | 05/15/07 19:00 CST | | 0 | 37.33N, 87.5W |

Water was reported over roads in and around the Madisonville area. A spotter estimated an inch or two of rain fell in an hour.

Thunderstorms with very heavy rain developed ahead of a strong cold front moving southeast across Missouri and Illinois.

MISSOURI, Southeast

CARTER COUNTY

| | | | | |
|-----------|--------------------|--|---|---------------------------------|
| VAN BUREN | 05/03/07 10:00 CST | | 0 | Flash Flood (due to Heavy Rain) |
| | 05/03/07 17:00 CST | | 0 | 37N, 91.02W |

Schools were dismissed early so students could be transported home safely. Flash flooding of creeks forced buses to reroute. An unofficial rainfall report of 4.6 inches was received from Grandin.

BUTLER COUNTY

| | | | | |
|----------------------|--------------------|--|-----|------------------------------------|
| 10.0 NW POPLAR BLUFF | 05/03/07 10:30 CST | | 75K | Flash Flood (due to Heavy Rain) |
| LONE HILL | 05/03/07 16:00 CST | | 0 | 36.8522N, 90.5277W ~ 36.7N, 90.53W |

Several creeks flooded rapidly after 3 to 7 inches of rain deluged the county. At least two vehicles were swept off roads and into raging creeks. In the first incident, a car was swept off County Road 459 about two miles south of Highway M. A woman was stranded on the roof of the car, which was washed up against some trees. With the assistance of a teenage high school student, the woman and her small dog waded through swiftly moving water to safety. The second incident occurred on County Road 410, north of U.S. Highway 60 in the Mark Twain National Forest. In that incident, a woman was attempting to drive through floodwaters when the vehicle stalled. The car was not swept off the road, and she was able to walk to get help. Numerous rural residents were forced to remain near their homes due to flooded roads. Unofficial rainfall reports for May 3 ranged from 3.2 inches in Poplar Bluff to nearly 7 inches northwest of Poplar Bluff. A meteorologist northwest of Poplar Bluff measured just over four inches in four hours, bringing his 24-hour rainfall to 6.62 inches. Cane Creek overflowed its banks, flooding pastures and cropland. A resident on County Road 421 northwest of Poplar Bluff reported a levy was topped for the first time in 25 years. Gravel county roads were damaged by erosion. There were numerous low water crossing areas and drainage ditches washed out. Up to six inches of water was over Highway 142 south of Poplar Bluff.

STODDARD COUNTY

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|--------|--------------------|--|---|----------------|
| BERNIE | 05/03/07 15:00 CST | | 0 | Heavy Rain |
| | 05/03/07 16:00 CST | | 0 | 36.68N, 89.97W |

Three to four inches of water was on streets, causing sewers to begin backing up. An unofficial rainfall report of 1.5 inches was received.

A rather well-developed upper level disturbance moved from the southern Plains northeast into the mid Mississippi Valley. Sufficient moisture and convergence was present along an 850 mb warm front over southern Missouri for widespread heavy convection.

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| STODDARD COUNTY | | | | |
| BERNIE | 05/03/07 15:02 CST | | 0 | Heavy Rain |
| | 05/03/07 15:30 CST | | 0 | 36.68N, 89.97W |
| STODDARD COUNTY | | | | |
| 5.0 SE DEXTER | 05/03/07 15:28 CST | | 0 | Tornado (EF0, L: 3.54 mi , W: 30 yd) |
| 2.0 S ESSEX | 05/03/07 15:36 CST | | 0 | 36.7489N, 89.8862W ~ 36.7911N, 89.85W |
| <p>The tornado was videotaped and photographed over open farm country. Accounts from witnesses indicated the tornado touched down at least twice for two to three minutes at a time. Although a debris cloud was visible in photos, no damage of any kind was found on the nearly treeless landscape. The tornado first touched down near Highway D several miles east of its intersection with Highway 25. The tornado lifted a couple miles south of Essex.</p> | | | | |
| STODDARD COUNTY | | | | |
| 2.0 E ESSEX | 05/03/07 15:37 CST | | 0 | Hail (1.00 in) |
| | 05/03/07 15:37 CST | | 0 | 36.82N, 89.8139W |
| STODDARD COUNTY | | | | |
| GRAYRIDGE | 05/03/07 15:56 CST | | 0 | Hail (0.88 in) |
| | 05/03/07 15:56 CST | | 0 | 36.83N, 89.78W |
| <p>Occurred on U.S. Highway 60.</p> <p>An isolated severe thunderstorm developed along a warm front that extended from west to east across southeast Missouri.</p> | | | | |
| BUTLER COUNTY | | | | |
| NEELYVILLE | 05/03/07 16:00 CST | | 0 | Flood (due to Heavy Rain) |
| HARVIELL | 05/04/07 20:00 CST | | 0 | 36.57N, 90.5W ~ 36.67N, 90.47W |
| <p>A couple of state roads remained closed due to flooding. These roads included Highway 142 from Neelyville to the Ripley County line and Highway 158 from U.S. 67 to Highway 142.</p> | | | | |
| RIPLEY COUNTY | | | | |
| NAYLOR | 05/03/07 19:00 CST | | 0 | Flash Flood (due to Heavy Rain) |
| | 05/03/07 20:00 CST | | 0 | 36.58N, 90.6W |
| <p>Six to 12 inches of water was across B Highway outside of Naylor. Street flooding occurred in Naylor, but no evacuations were conducted.</p> | | | | |
| RIPLEY COUNTY | | | | |
| 5.0 SW NAYLOR | 05/03/07 20:00 CST | | 0 | Flood (due to Heavy Rain) |
| | 05/04/07 20:00 CST | | 0 | 36.5289N, 90.6636W |
| <p>Route H was closed by flooding from Route 142 to the Arkansas state line. Eight families were isolated. Four of the families relocated temporarily, while four others remained stranded.</p> | | | | |
| WAYNE COUNTY | | | | |
| 3.0 W LEEPER | 05/03/07 22:00 CST | | 0 | Flood (due to Heavy Rain) |
| | 05/04/07 20:00 CST | | 0 | 37.07N, 90.7744W |
| <p>Route KK was closed by flooding from Route 34 to the Carter County line.</p> <p>A rather well-developed upper level disturbance moved from the southern Plains northeast into the mid Mississippi Valley. Sufficient moisture and convergence was present along an 850 mb warm front over southern Missouri for widespread heavy convection.</p> | | | | |
| WAYNE COUNTY | | | | |
| PATTERSON | 05/04/07 01:00 CST | | 0 | Flood (due to Heavy Rain) |
| | 05/05/07 03:00 CST | | 0 | 37.18N, 90.57W |
| <p>Minor flooding of the St. Francis River occurred. At Patterson, where flood stage is 16 feet, the river crested at 18.31 feet around mid-morning on May 4. Some low-lying fields and woodlands near the river were flooded. Rainfall at Patterson was unofficially measured at 4 inches.</p> | | | | |
| BUTLER COUNTY | | | | |
| POPLAR BLUFF | 05/04/07 08:00 CST | | 5K | Flood (due to Heavy Rain) |
| | 05/05/07 22:00 CST | | 0 | 36.75N, 90.4W |

Storm Data and Unusual Weather Phenomena - May 2007

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------------------|
| <p>Minor flooding of the Black River occurred. At Poplar Bluff, where flood stage is 16 feet, the river crested at 17.29 feet before sunrise on May 5. Floodwaters flowed across Clinton Park, washing out a park road. The river flooded a second park and some cropland. A road in southern Poplar Bluff was flooded. Sixteen flood gates were closed. The river rose about one foot each hour.</p> <p>Thunderstorms with locally heavy rainfall sent the Black and St. Francis Rivers out of their banks.</p> | | | | |
| BUTLER COUNTY | | | | |
| POPLAR BLUFF | 05/07/07 17:00 CST | | 0 | Hail (0.88 in) |
| | 05/07/07 17:00 CST | | 0 | 36.75N, 90.4W |
| <p>A stationary front extending from north to south across the Ozark Mountain foothills generated thunderstorms, including an isolated severe storm.</p> | | | | |
| CAPE GIRARDEAU COUNTY | | | | |
| CAPE GIRARDEAU | 05/10/07 11:00 CST | | 0 | Flood (due to Heavy Rain) |
| | 05/19/07 18:00 CST | | 0 | 37.3N, 89.53W |
| <p>Minor flooding occurred on the Mississippi River. At Cape Girardeau, the river crested at 33.99 feet on May 14. This crest was almost exactly two feet above flood stage. This resulted in minor flooding of low-lying fields and bottomlands near the river. Officials turned on pumps at the downtown pumping station, which was last used in January of 2006.</p> <p>Heavy rainfall in the upper portions of the Mississippi and Missouri River basins caused several rises on the middle Mississippi River.</p> | | | | |
| BOLLINGER COUNTY | | | | |
| 1.0 W MARBLE HILL | 05/10/07 21:00 CST | | 0 | Heavy Rain |
| | 05/10/07 22:00 CST | | 0 | 37.3N, 89.9882W |
| <p>Up to two inches of water was reported over Highway 34.</p> <p>Thunderstorms with very heavy rain developed in a moist and unstable atmosphere ahead of a cold front over central Illinois.</p> | | | | |
| RIPLEY COUNTY | | | | |
| 8.5 N DONIPHAN | 05/15/07 15:06 CST | | 0 | Hail (0.75 in) |
| | 05/15/07 15:06 CST | | 0 | 36.7429N, 90.82W |
| BUTLER COUNTY | | | | |
| 7.0 E NEELYVILLE | 05/15/07 15:39 CST | | 0 | Thunderstorm Wind (MG 52 kt) |
| | 05/15/07 15:39 CST | | 0 | 36.57N, 90.374W |
| BOLLINGER COUNTY | | | | |
| MARBLE HILL | 05/15/07 15:40 CST | | 0.10M | Thunderstorm Wind (EG 65 kt) |
| 9.5 N MARBLE HILL | 05/15/07 15:43 CST | | 0 | 37.3N, 89.97W ~ 37.4373N, 89.97W |
| <p>In Marble Hill, large trees and numerous power poles were blown down. An 80-year-old oak tree damaged an upper deck on a house and crushed two storage buildings. Tree limbs fell on electrical lines near the city pump house. A 12-inch tree limb blocked a road. North of Marble Hill, near the intersection of Highway 51 North and Highway M, a building under construction was flattened.</p> | | | | |
| CAPE GIRARDEAU COUNTY | | | | |
| CRUMP | 05/15/07 16:00 CST | | 3K | Thunderstorm Wind (EG 50 kt) |
| 9.0 NW JACKSON | 05/15/07 16:15 CST | | 0 | 37.28N, 89.83W ~ 37.472N, 89.7859W |
| <p>In Crump, a large tree branch fell on a moving truck. A tree was blown down near the intersection of Highways B and E northwest of Jackson. Another tree was blown down in Cape Girardeau.</p> | | | | |
| STODDARD COUNTY | | | | |
| 8.0 SE DEXTER | 05/15/07 16:17 CST | | 0 | Hail (0.75 in) |
| | 05/15/07 16:17 CST | | 0 | 36.7182N, 89.8479W |
| SCOTT COUNTY | | | | |
| SIKESTON | 05/15/07 16:30 CST | | 18K | Thunderstorm Wind (EG 50 kt) |
| | 05/15/07 16:30 CST | | 0 | 36.88N, 89.58W |
| <p>A tree fell on a house, causing minor to moderate structural damage. Several other trees were blown down throughout Sikeston.</p> <p>A line of thunderstorms along a strong cold front reached southeast Missouri by mid-afternoon. Winds in the mid and upper levels of</p> | | | | |

Storm Data and Unusual Weather Phenomena - May 2007

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
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the atmosphere were marginally favorable for organized storm structures. Some of the storms evolved into small lines capable of damaging winds. The wind shear, or change of wind speed and direction with height, was not supportive of storm rotation. As a result, all of the reported wind damage was the result of straight-line winds.

SCOTT COUNTY

| | | | | |
|----------------|--------------------|--|-----|------------------------------|
| 3.0 S BLODGETT | 05/27/07 13:20 CST | | 30K | Thunderstorm Wind (EG 61 kt) |
| | 05/27/07 13:20 CST | | 0 | 36.9566N, 89.53W |

At Highway H and County Road 524, several trees were down across roads. Trees ranged in diameter from 6 to 18 inches. Six to eight houses had minor wind damage to their roofs, mainly shingles blown off. There was siding and fence damage.

An isolated severe weather event occurred in the Mississippi River delta. The storm occurred in a deep southwest flow ahead of a broad upper level trough over the southern Plains.