

## Storm Data and Unusual Weather Phenomena - March 2007

| <u>Location</u>   | <u>Date/Time</u>   | <u>Deaths &amp;<br/>Injuries</u> | <u>Property &amp;<br/>Crop Dmg</u> | <u>Event Type and Details</u>           |
|---|--------------------|----------------------------------|------------------------------------|---|
| <b>ILLINOIS, South</b>  |                    |                                  |                                    |   |
| <b>FRANKLIN COUNTY</b>  |                    |                                  |                                    |   |
| PLUMFIELD   | 03/01/07 00:00 CST | 0                                | 0                                  | Flood (due to Heavy Rain)               |
|   | 03/01/07 11:00 CST | 0                                | 0                                  | 37.88N, 89W                             |
| <b>The Big Muddy River receded below flood stage on the 1st of the month. Minor flooding occurred in late February.</b>   |                    |                                  |                                    |   |
| <b>WABASH COUNTY</b>  |                    |                                  |                                    |   |
| MT CARMEL   | 03/01/07 00:00 CST | 0                                | 0                                  | Flood (due to Heavy Rain)               |
|   | 03/12/07 21:00 CST | 0                                | 0                                  | 38.42N, 87.77W                          |
| Minor flooding of fields and woodlands occurred along the shore of the Lower Wabash River. A few local river roads were closed. Most oil field production stopped except for pumps mounted on substructures. At Mount Carmel, where flood stage is 19 feet, the river crested at 21.93 feet on the 10th.  |                    |                                  |                                    |   |
| <b>WHITE COUNTY</b>   |                    |                                  |                                    |   |
| MAUNIE  | 03/01/07 00:00 CST | 0                                | 0                                  | Flood (due to Heavy Rain)               |
|   | 03/13/07 21:00 CST | 0                                | 0                                  | 38.03N, 88.05W                          |
| Minor flooding of fields and woodlands occurred along the shore of the Lower Wabash River. At New Harmony, Indiana, where flood stage is 15 feet, the river crested at 16.05 feet on the 11th.  |                    |                                  |                                    |   |
| <b>Moderate to heavy rainfall in the middle and upper portions of the Wabash Valley sent the river above flood stage.</b>   |                    |                                  |                                    |   |
| <b>UNION COUNTY</b>   |                    |                                  |                                    |   |
| 2 WSW JONESBORO   | 03/01/07 10:45 CST | 0                                | 0.10M                              | Tornado (F0, L: 1.80 mi , W: 150 yd)    |
| 1 NW JONESBORO  | 03/01/07 10:47 CST | 0                                | 0                                  | 37.4389N, 89.3036W ~ 37.4602N, 89.2829W |
| The tornado damage path began along a country road, then continued northeast over mostly open land for about one-half to three-quarters of a mile. The path then tracked along or nearly parallel to the same road until reaching the intersection of Highway 146. Several witnesses in the area observed a dark funnel bouncing up and down from the storm to the ground. Many trees were either uprooted or topped. One tree that landed on a house caused heavy damage and trapped a resident inside. The resident was freed from the home uninjured. About 15 to 20 homes received light to moderate roof damage. Several articles of debris were lodged from 20 to 50 feet up in the trees. There was some evidence of convergent damage based on how trees were blown down. Given the rapid storm speed of 50 to 60 MPH, all of the damage occurred in about two minutes. Peak winds were estimated near 75 MPH, resulting in a rating of EF (Enhanced Fujita) 0. |                    |                                  |                                    |   |
| <b>A strong dry line or cold front moved rapidly east across the Mid-Mississippi and Lower Ohio Valleys during the midday hours. This feature trailed from a strong low pressure system that tracked from Kansas to Iowa. In advance of the front, numerous showers and thunderstorms developed. A particularly strong storm crossed the Mississippi River just north of Cairo and produced a brief tornado in Union County.</b>  |                    |                                  |                                    |   |
| <b>GALLATIN COUNTY</b>  |                    |                                  |                                    |   |
| SHAWNEETOWN   | 03/03/07 21:00 CST | 0                                | 0                                  | Flood (due to Heavy Rain)               |
|   | 03/13/07 11:00 CST | 0                                | 0                                  | 37.7N, 88.13W                           |
| Minor flooding of fields and woodlands occurred along the Ohio River. At Shawneetown, where flood stage is 33 feet, the river crested at 37.8 feet on the 9th.  |                    |                                  |                                    |   |
| <b>Moderate to heavy rainfall in the middle and upper portions of the Ohio River Valley caused increased river flows. The Ohio River rose above flood stage at Shawneetown, where minor flooding occurred.</b>  |                    |                                  |                                    |   |
| <b>PERRY COUNTY</b>   |                    |                                  |                                    |   |
| DU QUOIN  | 03/22/07 08:00 CST | 0                                | 0                                  | Heavy Rain                              |
|   | 03/22/07 09:00 CST | 0                                | 0                                  | 38.02N, 89.23W                          |
| Standing water was over one lane of U.S. Highway 51. A trained spotter measured 0.9 inch of rain in one hour.   |                    |                                  |                                    |   |
| <b>Numerous thunderstorms repeatedly moved over the same areas. A low-level southwesterly jet of 30 to 40 knots provided abundant moisture to the storms.</b>   |                    |                                  |                                    |   |
| <b>GALLATIN COUNTY</b>  |                    |                                  |                                    |   |
| SHAWNEETOWN   | 03/22/07 09:00 CST | 0                                | 0                                  | Flood (due to Heavy Rain)               |
|   | 03/31/07 23:59 CST | 0                                | 0                                  | 37.7N, 88.13W                           |

## Storm Data and Unusual Weather Phenomena - March 2007

| <u>Location</u>  | <u>Date/Time</u>   | <u>Deaths &amp;<br/>Injuries</u> | <u>Property &amp;<br/>Crop Dmg</u> | <u>Event Type and Details</u>     |
|--|--------------------|----------------------------------|------------------------------------|-----------------------------------|
| <p>Minor flooding of fields and woodlands occurred once again. At Shawneetown, where flood stage is 33 feet, the Ohio River crested at 35.5 feet on the 24th. The river remained mostly above flood stage the remainder of the month, and even began rising again starting on the 29th.</p> <p><b>Moderate to heavy rainfall in the middle and upper portions of the Ohio River Valley caused the river to rise once again. The Ohio River rose above flood stage at Shawneetown, where minor flooding occurred.</b></p> |                    |                                  |                                    |                                   |
| <b>JEFFERSON (IL-Z075), WAYNE (IL-Z076), EDWARDS (IL-Z077), WABASH (IL-Z078), PERRY (IL-Z080), FRANKLIN (IL-Z081), HAMILTON (IL-Z082), WHITE (IL-Z083), JACKSON (IL-Z084)</b>  |                    |                                  |                                    |                                   |
|  | 03/24/07 01:00 CST | 0                                | 0                                  | Dense Fog                         |
|  | 03/24/07 05:00 CST | 0                                | 0                                  |                                   |
| <p><b>Widespread dense fog formed after midnight as a light southwest wind flow transported moist air into the region. The dense fog was mainly along and north of a Carbondale to Carmi line. Visibility was one-quarter mile or less for several hours.</b></p>  |                    |                                  |                                    |                                   |
| <b>UNION (IL-Z088), JOHNSON (IL-Z089), POPE (IL-Z090), ALEXANDER (IL-Z092), PULASKI (IL-Z093), MASSAC (IL-Z094)</b>  |                    |                                  |                                    |                                   |
|  | 03/29/07 03:00 CST | 0                                | 0                                  | Dense Fog                         |
|  | 03/29/07 08:00 CST | 0                                | 0                                  |                                   |
| <p><b>Widespread dense fog occurred during the early morning hours. A light east to southeast wind flow around high pressure over the southern Appalachians brought increased humidity. The dense fog was south of the Marion, Carbondale, and Harrisburg areas. Visibility was frequently below one-quarter mile.</b></p>   |                    |                                  |                                    |                                   |
| <b>JACKSON COUNTY</b>  |                    |                                  |                                    |                                   |
| CARBONDALE   | 03/29/07 15:00 CST | 1                                | 0                                  | Lightning                         |
|  | 03/29/07 15:00 CST | 0                                | 0                                  | 37.72N, 89.22W                    |
| <p>An 18-year-old high school student was struck and killed by lightning at a track meet. The lightning strike occurred on the school's campus just before the start of the track meet. Witnesses stated there was little rain, thunder, or lightning prior to the fatal strike. The student was declared dead on arrival at the hospital.</p> <p><b>A non-severe thunderstorm produced a lightning strike that killed a high school athlete.</b></p>  |                    |                                  |                                    |                                   |
| <b>WABASH COUNTY</b>   |                    |                                  |                                    |                                   |
| MT CARMEL  | 03/30/07 01:00 CST | 0                                | 0                                  | Flood (due to Heavy Rain)         |
|  | 03/31/07 23:59 CST | 0                                | 0                                  | 38.42N, 87.77W                    |
| <p>Minor flooding of fields and woodlands occurred along the shore of the Lower Wabash River. A few local river roads were closed. Most oil field production stopped except for pumps mounted on substructures. At Mount Carmel, where flood stage is 19 feet, the river crested at 22.67 feet on the 2nd of April.</p> <p><b>Moderate to heavy rainfall in the middle and upper portions of the Wabash Valley sent the river above flood stage once again.</b></p>  |                    |                                  |                                    |                                   |
| <b>UNION COUNTY</b>  |                    |                                  |                                    |                                   |
| JONESBORO  | 03/30/07 13:34 CST | 0                                | 0                                  | Hail (0.88 in)                    |
|  | 03/30/07 13:34 CST | 0                                | 0                                  | 37.45N, 89.27W                    |
| <b>WILLIAMSON COUNTY</b>   |                    |                                  |                                    |                                   |
| 3 N MARION   | 03/30/07 13:40 CST | 0                                | 0                                  | Hail (0.88 in)                    |
|  | 03/30/07 13:40 CST | 0                                | 0                                  | 37.7734N, 88.93W                  |
| <b>SALINE COUNTY</b>   |                    |                                  |                                    |                                   |
| 1 W HARRISBURG   | 03/30/07 14:42 CST | 0                                | 0                                  | Hail (0.88 in)                    |
| HARRISBURG   | 03/30/07 14:57 CST | 0                                | 0                                  | 37.73N, 88.5683W ~ 37.73N, 88.55W |
| <p>A few reports of dime to nickel size hail were received.</p>  |                    |                                  |                                    |                                   |
| <b>SALINE COUNTY</b>   |                    |                                  |                                    |                                   |
| HARRISBURG   | 03/30/07 15:10 CST | 0                                | 4K                                 | Thunderstorm Wind (EG 52 kt)      |
|  | 03/30/07 15:10 CST | 0                                | 0                                  | 37.73N, 88.55W                    |
| <p>Two power poles were down across U.S. Highway 45. A carport was blown over. At a park on the east side of Harrisburg, the roof was blown off a baseball shelter.</p> <p><b>Isolated severe thunderstorms occurred in association with a weak warm front that extended eastward from a developing storm system over the Plains. Most of the severe weather events were marginally severe hail.</b></p>   |                    |                                  |                                    |                                   |
| <b>WHITE COUNTY</b>  |                    |                                  |                                    |                                   |

## Storm Data and Unusual Weather Phenomena - March 2007

| <u>Location</u> | <u>Date/Time</u>   | <u>Deaths &amp; Injuries</u> | <u>Property &amp; Crop Dmg</u> | <u>Event Type and Details</u> |
|-----------------|--------------------|------------------------------|--------------------------------|-------------------------------|
| MAUNIE          | 03/31/07 07:00 CST | 0                            | 0                              | Flood (due to Heavy Rain)     |
|                 | 03/31/07 23:59 CST | 0                            | 0                              | 38.03N, 88.05W                |

Minor flooding of lowland fields and woodlands occurred near the Wabash River. At New Harmony, Indiana, the river rose above flood stage on the last day of the month.

**Moderate to heavy rainfall in the middle and upper portions of the Wabash Valley sent the river above flood stage once again.**

### INDIANA, Southwest

#### GIBSON COUNTY

|                |                    |   |   |                           |
|----------------|--------------------|---|---|---------------------------|
| EAST MT CARMEL | 03/01/07 00:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|                | 03/12/07 18:00 CST | 0 | 0 | 38.4N, 87.73W             |

Minor flooding of fields and woodlands occurred along the shore of the Lower Wabash River. A few local river roads were closed. Most oil field production stopped except for pumps mounted on substructures. At Mount Carmel, Illinois, where flood stage is 19 feet, the river crested at 21.93 feet on the 10th.

#### POSEY COUNTY

|             |                    |   |   |                           |
|-------------|--------------------|---|---|---------------------------|
| NEW HARMONY | 03/01/07 00:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|             | 03/13/07 19:00 CST | 0 | 0 | 38.13N, 87.93W            |

Minor flooding of fields and woodlands occurred along the shore of the Lower Wabash River. At New Harmony, where flood stage is 15 feet, the river crested at 16.05 feet on the 11th.

**Moderate to heavy rainfall in the middle and upper portions of the Wabash Valley sent the river above flood stage.**

#### GIBSON COUNTY

|          |                    |   |   |                           |
|----------|--------------------|---|---|---------------------------|
| HAZLETON | 03/01/07 00:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|          | 03/12/07 16:00 CST | 0 | 0 | 38.48N, 87.53W            |

Minor flooding occurred along the White River. Flooding began in higher bottomlands, affecting residents in river cabins. Oil fields and local roads flooded. Floodwaters covered much low ground. High water isolated a river cabin community. At Hazleton, where flood stage is 16 feet, the river crested at 21.00 feet on March 10.

#### PIKE COUNTY

|            |                    |   |   |                           |
|------------|--------------------|---|---|---------------------------|
| PETERSBURG | 03/01/07 00:00 EST | 0 | 0 | Flood (due to Heavy Rain) |
|            | 03/11/07 21:00 EST | 0 | 0 | 38.5N, 87.28W             |

Minor flooding occurred along the White River. Flooding affected higher bottomlands and a few residents. State Road 257 was completely flooded. Low oil fields were shut down, and a few local county roads were closed. At Petersburg, where flood stage is 16 feet, the river crested at 21.04 feet on March 9.

**Rainfall was abundant in central Indiana during March. Several areas received over 6 inches of rain. As a result, lowland flooding was quite common throughout March. The White River flooding in early March was a continuation of flooding that began in February.**

#### POSEY COUNTY

|           |                    |   |   |                           |
|-----------|--------------------|---|---|---------------------------|
| MT VERNON | 03/05/07 14:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|           | 03/11/07 20:00 CST | 0 | 0 | 37.93N, 87.9W             |

Minor flooding of fields and woodlands occurred along the Ohio River. At Mount Vernon, where flood stage is 35 feet, the river crested at 37.5 feet on the 9th.

#### SPENCER COUNTY

|          |                    |   |   |                           |
|----------|--------------------|---|---|---------------------------|
| ROCKPORT | 03/05/07 14:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|          | 03/10/07 21:00 CST | 0 | 0 | 37.88N, 87.05W            |

#### WARRICK COUNTY

|          |                    |   |   |                           |
|----------|--------------------|---|---|---------------------------|
| NEWBURGH | 03/05/07 14:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|          | 03/10/07 21:00 CST | 0 | 0 | 37.95N, 87.42W            |

At the Newburgh Lock and Dam, where flood stage is 38 feet, the Ohio River crested at 40.79 feet on March 8. This resulted in minor flooding of low-lying fields and woodlands.

**Moderate to heavy rainfall in the middle and upper portions of the Ohio River Valley caused increased river flows. The Ohio River rose above flood stage along parts of the southwest Indiana shore, where minor flooding occurred.**

#### PIKE COUNTY

## Storm Data and Unusual Weather Phenomena - March 2007

| <u>Location</u> | <u>Date/Time</u>   | <u>Deaths &amp; Injuries</u> | <u>Property &amp; Crop Dmg</u> | <u>Event Type and Details</u> |
|-----------------|--------------------|------------------------------|--------------------------------|-------------------------------|
| PETERSBURG      | 03/19/07 10:00 EST | 0                            | 0                              | Flood (due to Heavy Rain)     |
|                 | 03/25/07 15:00 EST | 0                            | 0                              | 38.5N, 87.28W                 |

Minor flooding occurred along the White River. Low bottomlands were flooded, and flooding began on higher bottomlands. State Road 257 began to flood. Flooding affected low agricultural lands, low oil fields, and closed a few local county roads. At Petersburg, where flood stage is 16 feet, the river crested at 19.43 feet on March 22.

### GIBSON COUNTY

|          |                    |   |   |                           |
|----------|--------------------|---|---|---------------------------|
| HAZLETON | 03/20/07 18:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|          | 03/26/07 17:00 CST | 0 | 0 | 38.48N, 87.53W            |

Minor flooding occurred along the White River. Floodwaters covered much low ground. Low lying oil fields and county roads were flooded. High water isolated a river cabin community. At Hazleton, where flood stage is 16 feet, the river crested at 19.00 feet on March 23.

**Rainfall was abundant in central Indiana during March. Several areas received over 6 inches of rain. As a result, lowland flooding was quite common throughout March. After receding below flood stage around the 12th, the White River flooded for a second time around the 20th.**

### SPENCER COUNTY

|          |                    |   |   |                           |
|----------|--------------------|---|---|---------------------------|
| ROCKPORT | 03/21/07 09:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|          | 03/24/07 21:00 CST | 0 | 0 | 37.88N, 87.05W            |

### WARRICK COUNTY

|          |                    |   |   |                           |
|----------|--------------------|---|---|---------------------------|
| NEWBURGH | 03/21/07 09:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|          | 03/24/07 21:00 CST | 0 | 0 | 37.95N, 87.42W            |

Minor flooding of fields and woodlands occurred once again along the Ohio River. At Newburgh Lock and Dam, where flood stage is 38 feet, the river crested at 39.23 feet on the 23rd.

### POSEY COUNTY

|           |                    |   |   |                           |
|-----------|--------------------|---|---|---------------------------|
| MT VERNON | 03/22/07 09:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|           | 03/25/07 21:00 CST | 0 | 0 | 37.93N, 87.9W             |

Minor flooding of fields and woodlands occurred near the Ohio River. At Mount Vernon, where flood stage is 35 feet, the river crested at 36.2 feet on the 24th.

**Moderate to heavy rainfall in the middle and upper portions of the Ohio River Valley caused increased river flows. The Ohio River rose above flood stage along parts of the southwest Indiana shore, where minor flooding occurred.**

### PIKE COUNTY

|            |                    |   |   |                           |
|------------|--------------------|---|---|---------------------------|
| PETERSBURG | 03/28/07 02:00 EST | 0 | 0 | Flood (due to Heavy Rain) |
|            | 03/31/07 23:59 EST | 0 | 0 | 38.5N, 87.28W             |

Minor flooding of the White River occurred. The river was still rising at the end of the month. Through March 31, the flooding mostly affected low oil fields and a few county roads. State Road 257 began to flood.

### GIBSON COUNTY

|          |                    |   |   |                           |
|----------|--------------------|---|---|---------------------------|
| HAZLETON | 03/29/07 05:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|          | 03/31/07 23:59 CST | 0 | 0 | 38.48N, 87.53W            |

Minor flooding occurred along the White River. The river was still rising at the end of the month. Through the end of the month, the river primarily affected low oil fields, local roads, and residents of river cabins.

**Rainfall was abundant in central Indiana during March. Several areas received over 6 inches of rain. As a result, lowland flooding was quite common throughout March. After receding below flood stage around the 26th, the White River flooded for a third time around the 28th.**

### GIBSON COUNTY

|                |                    |   |   |                           |
|----------------|--------------------|---|---|---------------------------|
| EAST MT CARMEL | 03/30/07 09:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|                | 03/31/07 23:59 CST | 0 | 0 | 38.4N, 87.73W             |

Minor flooding of fields and woodlands occurred along the shore of the Lower Wabash River. A few local river roads were closed. Most oil field production stopped except for pumps mounted on substructures. At Mount Carmel, where flood stage is 19 feet, the river crested at 22.67 feet on the 2nd of April.

### POSEY COUNTY

## Storm Data and Unusual Weather Phenomena - March 2007

| <u>Location</u> | <u>Date/Time</u>   | <u>Deaths &amp; Injuries</u> | <u>Property &amp; Crop Dmg</u> | <u>Event Type and Details</u> |
|-----------------|--------------------|------------------------------|--------------------------------|-------------------------------|
| NEW HARMONY     | 03/31/07 07:00 CST | 0                            | 0                              | Flood (due to Heavy Rain)     |
|                 | 03/31/07 23:59 CST | 0                            | 0                              | 38.13N, 87.93W                |

Minor flooding of fields and woodlands occurred along the shore of the Lower Wabash River. At New Harmony, the river rose above flood stage on the last day of the month.

**Moderate to heavy rainfall in the middle and upper portions of the Wabash River Valley caused the river to rise above flood stage once again.**

### **KENTUCKY, Southwest**

#### **ALLOWAY COUNTY**

|       |                    |   |   |                |
|-------|--------------------|---|---|----------------|
| HAZEL | 03/01/07 00:42 CST | 0 | 0 | Hail (1.00 in) |
|       | 03/01/07 00:42 CST | 0 | 0 | 36.5N, 88.32W  |

#### **HOPKINS COUNTY**

|        |                    |   |   |                |
|--------|--------------------|---|---|----------------|
| BEULAH | 03/01/07 01:08 CST | 0 | 0 | Hail (1.00 in) |
|        | 03/01/07 01:08 CST | 0 | 0 | 37.27N, 87.68W |

#### **MCLEAN COUNTY**

|             |                    |   |   |                                |
|-------------|--------------------|---|---|--------------------------------|
| BEECH GROVE | 03/01/07 01:33 CST | 0 | 0 | Hail (0.75 in)                 |
| CALHOUN     | 03/01/07 01:33 CST | 0 | 0 | 37.62N, 87.4W ~ 37.53N, 87.27W |

#### **MCLEAN COUNTY**

|         |                    |   |   |                |
|---------|--------------------|---|---|----------------|
| CALHOUN | 03/01/07 01:49 CST | 0 | 0 | Hail (1.00 in) |
|         | 03/01/07 01:49 CST | 0 | 0 | 37.53N, 87.27W |

Scattered thunderstorms developed during the late night hours as strong southerly winds transported warmer and more humid air into the region. Several of these storms produced large hail.

#### **MCCRACKEN (KY-Z005), MARSHALL (KY-Z008)**

|  |                    |   |    |                         |
|--|--------------------|---|----|-------------------------|
|  | 03/01/07 12:30 CST | 0 | 2K | Strong Wind (MAX 48 kt) |
|  | 03/01/07 17:30 CST | 0 | 0  |                         |

Strong westerly winds behind a cold front downed a few tree limbs. Peak wind gusts were measured at 45 MPH at Barkley Regional Airport near Paducah. A spotter estimated gusts to 55 MPH at Benton in Marshall County.

#### **TODD COUNTY**

|                |                    |   |     |                                     |
|----------------|--------------------|---|-----|-------------------------------------|
| 0.5 NW ELKTON  | 03/01/07 14:20 CST | 0 | 35K | Tornado (F1, L: 0.20 mi , W: 30 yd) |
| 0.5 NNW ELKTON | 03/01/07 14:21 CST | 0 | 0   |                                     |

This small tornado occurred in a neighborhood on the northwest side of Elkton. The roof was blown off a single wide mobile home. A metal roof was partially torn off a storage building. Half of the roof was blown off a site-built home. A chain link fence and a few trees were damaged. A pine tree was stripped of limbs. There was an eyewitness to the event. The tornado was rated an EF (Enhanced Fujita) 1 with peak winds of 88 MPH.

**A strong dry line or cold front moved rapidly east across the Mid-Mississippi and Lower Ohio Valleys during the midday hours. This feature trailed from a strong low pressure system that tracked from Kansas to Iowa. In advance of the front, numerous showers and thunderstorms developed. Several of these storms produced large hail, and there was a brief tornado.**

#### **CHRISTIAN (KY-Z017)**

|  |                    |   |    |                         |
|--|--------------------|---|----|-------------------------|
|  | 03/02/07 12:00 CST | 0 | 1K | Strong Wind (MAX 40 kt) |
|  | 03/02/07 15:00 CST | 0 | 0  |                         |

Strong southwest winds gusted to 46 MPH at Fort Campbell, near Hopkinsville. The persistent windy conditions were the result of a deep low pressure system creeping slowly northeast across the Great Lakes region.

#### **UNION COUNTY**

|           |                    |   |   |                           |
|-----------|--------------------|---|---|---------------------------|
| UNIONTOWN | 03/06/07 13:00 CST | 0 | 0 | Flood (due to Heavy Rain) |
|           | 03/12/07 18:00 CST | 0 | 0 | 37.77N, 87.93W            |

Minor flooding of fields and woodlands occurred along parts of the northwest Kentucky shore. At J.T. Myers Lock and Dam, where flood stage is 37 feet, the Ohio River crested at 39.10 feet on the 9th.

**Moderate to heavy rainfall in the middle and upper portions of the Ohio River Valley caused increased river flows. The Ohio River rose above flood stage at J.T. Myers Lock and Dam, where minor flooding occurred.**

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| <u>Location</u>  | <u>Date/Time</u>   | <u>Deaths &amp;<br/>Injuries</u> | <u>Property &amp;<br/>Crop Dmg</u> | <u>Event Type and Details</u> |
|--|--------------------|----------------------------------|------------------------------------|-------------------------------|
| <b>FULTON (KY-Z001), HICKMAN (KY-Z002), CARLISLE (KY-Z003), BALLARD (KY-Z004), MCCRACKEN (KY-Z005), GRAVES (KY-Z006), LIVINGSTON (KY-Z007), MARSHALL (KY-Z008), CALLOWAY (KY-Z009), LYON (KY-Z011), TRIGG (KY-Z012), CHRISTIAN (KY-Z017)</b> |                    |                                  |                                    |                               |
|  | 03/29/07 02:00 CST | 0                                | 0                                  | Dense Fog                     |
|  | 03/29/07 07:00 CST | 0                                | 0                                  |                               |

Widespread dense fog occurred during the early morning hours. A light east to southeast wind flow around high pressure over the southern Appalachians brought increased humidity. The dense fog was mainly west of a line from Marion to Princeton to Hopkinsville. Visibility was frequently below one-quarter mile.

### **MUHLENBERG COUNTY**

|                |                    |   |   |                                  |
|----------------|--------------------|---|---|----------------------------------|
| 4 N GREENVILLE | 03/30/07 17:10 CST | 0 | 0 | Hail (0.75 in)                   |
| CENTRAL CITY   | 03/30/07 17:15 CST | 0 | 0 | 37.2578N, 87.18W ~ 37.3N, 87.13W |

Isolated severe thunderstorms occurred in association with a weak warm front that extended eastward from a developing storm system over the Plains. Most of the severe weather events were marginally severe hail.

### **MCCRACKEN COUNTY**

|                   |                    |   |     |   |
|-------------------|--------------------|---|-----|---|
| 1 SE WOODVILLE    | 03/31/07 19:26 CST | 0 | 50K | Thunderstorm Wind (EG 83 kt)            |
| 1.5 ENE WOODVILLE | 03/31/07 19:27 CST | 0 | 0   | 37.0898N, 88.8672W ~ 37.1083N, 88.8549W |

Two vacant single-wide mobile homes were destroyed. Both were blown away from their foundations and overturned. Another mobile home sustained minor damage. A camper was blown a short distance into a boat. Numerous shingles were blown off a house. A flag pole was bent. A few trees were down. Peak winds were estimated near 95 MPH. A National Weather Service damage survey indicated the damage appeared to be caused by a gustnado, a shallow circulation that does not extend to the base of a thunderstorm. The damage pattern was convergent.

Scattered thunderstorms occurred in advance of a cold front moving east across Missouri. An isolated severe weather event occurred with a short line of storms over extreme western Kentucky.

## **MISSOURI, Southeast**

### **RIPLEY COUNTY**

|              |                    |   |   |                  |
|--------------|--------------------|---|---|------------------|
| 5 N DONIPHAN | 03/01/07 07:59 CST | 0 | 0 | Hail (0.75 in)   |
|              | 03/01/07 07:59 CST | 0 | 0 | 36.6923N, 90.82W |

### **CARTER COUNTY**

|        |                    |   |    |                              |
|--------|--------------------|---|----|------------------------------|
| HUNTER | 03/01/07 08:10 CST | 0 | 1K | Thunderstorm Wind (EG 52 kt) |
|        | 03/01/07 08:10 CST | 0 | 0  | 36.88N, 90.85W               |

A large picture window was blown out of a residence.

### **RIPLEY COUNTY**

|          |                    |   |   |                |
|----------|--------------------|---|---|----------------|
| DONIPHAN | 03/01/07 08:48 CST | 0 | 0 | Hail (0.75 in) |
|          | 03/01/07 08:48 CST | 0 | 0 | 36.62N, 90.82W |

### **BOLLINGER COUNTY**

|        |                    |   |   |                |
|--------|--------------------|---|---|----------------|
| GRASSY | 03/01/07 09:20 CST | 0 | 0 | Hail (0.75 in) |
|        | 03/01/07 09:20 CST | 0 | 0 | 37.27N, 90.12W |

### **CAPE GIRARDEAU COUNTY**

|               |                    |   |    |                                     |
|---------------|--------------------|---|----|-------------------------------------|
| 1 S DELTA     | 03/01/07 10:25 CST | 0 | 5K | Thunderstorm Wind (EG 50 kt)        |
| 2 S DUTCHTOWN | 03/01/07 10:25 CST | 0 | 0  | 37.1855N, 89.75W ~ 37.2211N, 89.67W |

A carport was blown over, a large sign was destroyed, and large limbs were blown down. Some minor roof damage occurred to at least one house.

### **SCOTT COUNTY**

|         |                    |   |   |                |
|---------|--------------------|---|---|----------------|
| CHAFFEE | 03/01/07 10:37 CST | 0 | 0 | Hail (0.75 in) |
|         | 03/01/07 10:37 CST | 0 | 0 | 37.18N, 89.67W |

A strong dry line or cold front moved rapidly east across the Mid-Mississippi and Lower Ohio Valleys during the midday hours. This feature trailed from a strong low pressure system that tracked from Kansas to Iowa. In advance of the front, numerous showers and thunderstorms developed. A few of these storms produced damaging winds and large hail in southeast Missouri.

## Storm Data and Unusual Weather Phenomena - March 2007

| <u>Location</u>   | <u>Date/Time</u>   | <u>Deaths &amp;<br/>Injuries</u> | <u>Property &amp;<br/>Crop Dmg</u> | <u>Event Type and Details</u> |
|---|--------------------|----------------------------------|------------------------------------|-------------------------------|
| (MO-Z109), STODDARD (MO-Z110), SCOTT (MO-Z111), MISSISSIPPI (MO-Z112), NEW MADRID (MO-Z114) | 03/29/07 00:00 CST | 0                                | 0                                  | Dense Fog                     |
|   | 03/29/07 07:00 CST | 0                                | 0                                  |                               |

Widespread dense fog occurred during the early morning hours. A light east to southeast wind flow around high pressure over the southern Appalachians brought increased humidity. Visibility was frequently below one-quarter mile.