

APRIL 1997  
VOLUME 30  
NUMBER 4

# STORM DATA



AND UNUSUAL WEATHER PHENOMENA  
WITH LATE REPORTS AND CORRECTIONS



**noaa** NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE  
DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER  
ASHEVILLE, N.C.

**Cover:** The Red River flooded and then froze when temperatures dropped below freezing. The top of a stop sign and one-way sign indicate the height of the ice covered flood water. The ice broke up a few days later and caused ice jams at bridges and culverts. The NP Avenue bridge crosses the Red River between Fargo, ND and Moorhead, MN. The photograph was taken on the Moorhead, MN side where it crosses the Third Avenue Bridge on April 7, 1997. (Photo courtesy of Andy Blenkush, The Forum, Fargo)

## TABLE OF CONTENTS

	Page
Outstanding Storms of the Month . . . . .	5
Storm Data and Unusual Weather Phenomena . . . . .	7
Reference Notes . . . . .	.206

### **STORM DATA**

(ISSN 0039-1972)

National Climatic Data Center

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**STORM DATA** is prepared, funded, and distributed by the National Oceanic and Atmospheric Administration (NOAA). The Outstanding Storms of the Month section is prepared by the Data Operations Branch of the National Climatic Data Center.

The Storm Data and Unusual Weather Phenomena narratives and Hurricane/Tropical Storm summaries are prepared by the National Weather Service. Monthly and annual statistics and summaries of tornado and lightning events resulting in deaths, injuries, and damage are compiled by cooperative efforts between the National Climatic Data Center and the Storm Prediction Center.

**STORM DATA** contains all confirmed information on storms available to our staff at the time of publication. However, due to difficulties inherent in the collection of this type of data, it is not all-inclusive. Late reports and corrections are printed in each edition.

Maps of the National Weather Service County Warning Areas which are used in the Storm Data and Unusual Weather Phenomena section will be printed in all editions.

Except for limited editing to correct grammatical errors, materials submitted are generally published as received.

Note: "Not Reported" means that no severe weather occurred and "Not Received" means no reports were submitted for this region at the time of printing.

Subscription, pricing, and ordering information is available from:

National Climatic Data Center  
151 Patton Avenue  
Asheville, NC 28801-5001  
(704) 271-4800 or (704) CLIMATE

The editor of **STORM DATA** solicits your help in acquiring photographs (prints or slides; black and white, or color), maps, clippings, etc. of significant or unusual weather events (past or present). These could be for use in the "Outstanding Storms of the Month" or "Et Cetera" sections of **STORM DATA**. We request our subscribers or other interested persons to mail such items to:

Stuart Hinson  
National Climatic Data Center  
151 Patton Avenue  
Asheville, NC 28801-5001

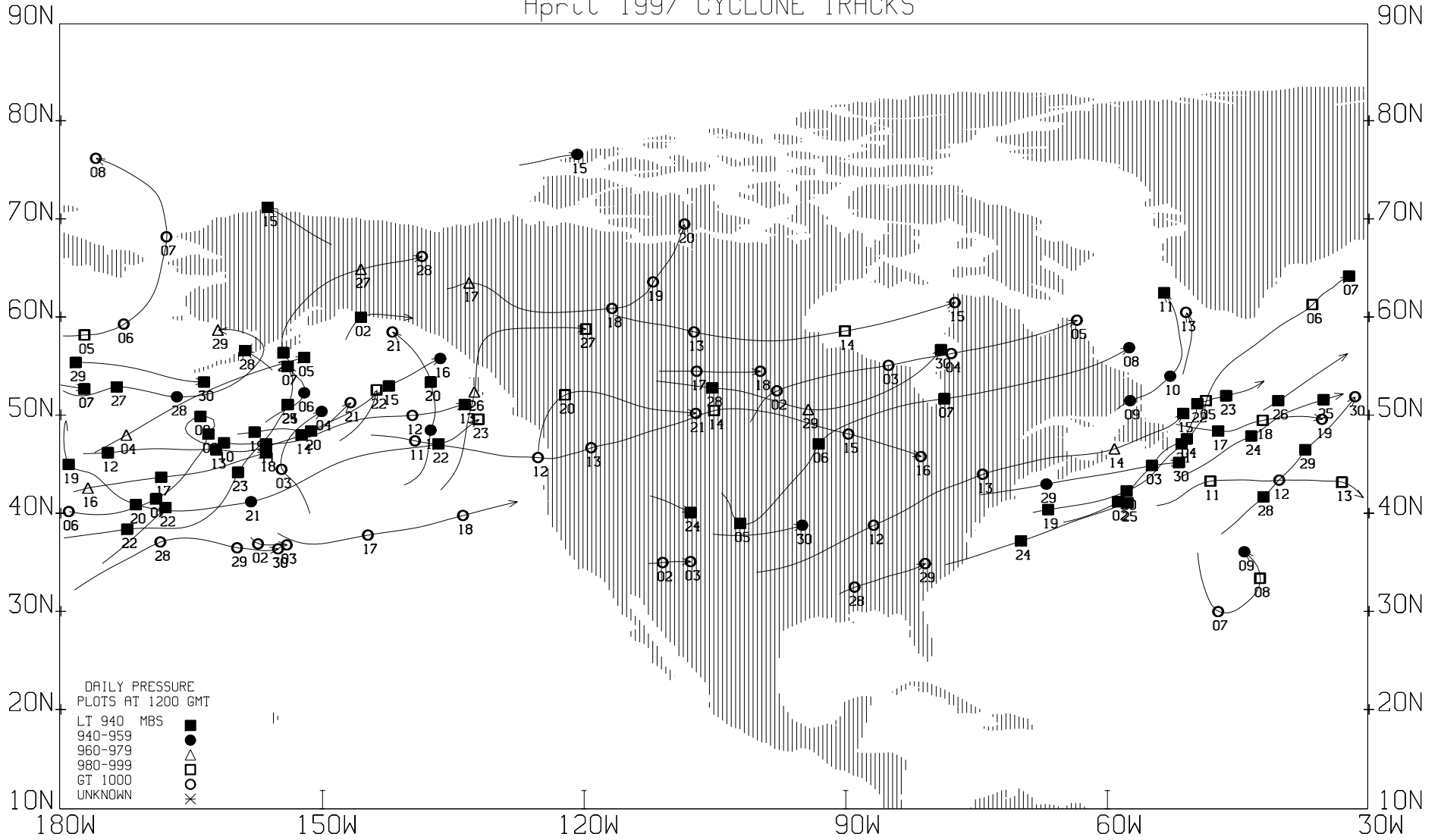
Any such items received by the editor will be for use in **STORM DATA** only. Any other use will be with the permission of the owner of said items. Materials submitted will be returned if requested in the original submission.

"I certify that this is an official publication of the National Oceanic and Atmospheric Administration and is compiled from information received at the National Climatic Data Center Asheville, North Carolina 28801-2733."



Kenneth D. Davidson  
Acting Director,  
National Climatic Data Center

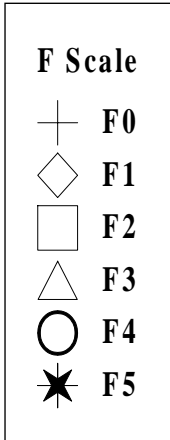
# April 1997 CYCLONE TRACKS



# April 1997 Confirmed Tornadoes



4



F Scale	F0	F1	F2	F3	F4	F5	Total
Number	74	22	2	0	0	0	98

## OUTSTANDING STORMS OF THE MONTH

### MELTED SNOWPACK FLOODS RED RIVER VALLEY IN NORTHERN PLAINS

The snowpack mostly caused by the many blizzards during the winter of 1996 and 1997 began to melt in early spring as a southerly wind flow brought milder temperatures to the region. Temperatures rose into the upper 60's and low 70's in the Dakotas on April 1 and 2. A strong storm with a minimum central pressure of 28.8 inches of mercury (980 mb) pushed into the area on April 5, bringing colder temperatures and heavy amounts of precipitation. In Fargo, 1.39 inches of rain was reported on the 5th and a mixture of freezing rain and snow was reported on the 6th with 1.30 inches of total water equivalent. The ice storm caused almost \$100 million in damage to the eastern Dakotas when 2 inches of ice accumulated within the region. Some areas in the western Dakotas reported as much as 24 inches of snow. Arctic air moved into the northern plains behind the storm, which dropped low temperatures below freezing. Much of the flooded area froze, hampering rescue and flood fighting activities. Only a few deaths and minor injuries were attributed to the flood. The Red River reached it's highest level of 54 feet (26 feet above flood stage), on the 21st.



*Photo by Dave Wallis*

**Left:** These utility poles were collapsed by high winds and the weight of 2 inches of ice. The Red River Basin was hit by more than 10 snowstorms during early 1996 and early 1997. These snowstorms increased the amount of available meltwater which contributed to the spring flood. The final winter storm of the season was a major ice storm on April 6. Note the ice coated utility wires.

**Right:** A burned out section of downtown Grand Forks which caught fire during the height of the flood. Fire fighting vehicles could not reach the burning buildings in time to save them. Attempts were made to put out the fire by helicopter but they were unsuccessful.



*Photo by Colburn Hvidston III*

Thanks to Joe Dill & Colburn Hvidston III of The Forum, Fargo, ND for allowing a reprint of their photographs. All photographs copyright 1997 and courtesy of The Forum, Fargo, ND.

**Below:** Residents of Grand Forks and Fargo, North Dakota as well as volunteers from outside the region work together to keep the flood waters from overrunning their homes and property.

**Left:** A sandbag line is formed by local residents to build a barrier from the flood.

**Center:** This North Dakota State University student lends a hand by carrying sandbags.

**Right:** The National Guard was dispatched to the Red River Valley to assist in the evacuation of many sick and elderly citizens of Fargo and Grand Forks.

President Bill Clinton and the Federal Emergency Management Agency declared most of the northern plains a disaster area.



*Photo by Andy Blenkush*



*Photo by Dave Wallis*



*Photo by Colburn Hvidston*

**Below:** Many homes were inundated by the flood waters. Some homes were literally lifted off of their foundations and washed away. After the flood receded, many residents returned to their homes to find them in need of cleaning and repair. Damage was estimated over \$750 Million.



*Photo by Colburn Hvidston III*



*Photo by Colburn Hvidston III*

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ALABAMA, North Central

### **Dekalb County**

**3 SW Rainsville to  
2 NE Rainsville**      22      1453CST  
1501CST      5      220      0      10      2.2M      10K      Tornado (F2)

An F2 tornado tracked from southwest to northeast across the center of Rainsville. The tornado began at 3:53 pm CDT three miles southwest of Rainsville just south of the intersection of County Roads 92 and 72. The tornado moved northeastward directly through the downtown section of Rainsville at the intersection of State Highways 75 and 35. Damage was severe to a number of buildings including the Rainsville police and fire department station and a number of commercial buildings. The tornado continued northeast crossing Dilbeck and Marshall Roads before ending about two miles northeast of Rainsville on the east side of Marshall Road.

The tornado severely damaged a large poultry raising facility and debris from the chicken houses was blown over half a mile further to the northeast. The tornado had dissipated by 4:01 pm CDT.

At the Rainsville police station, eleven of 12 police cars were either damaged or destroyed and several of the city's fire trucks were damaged.

Five of the 10 people injured were hospitalized according to emergency management officials. Damage assessment indicated that 63 homes and/or apartments were damaged or destroyed along with 34 businesses.

The tornado path was five miles in length and about 220 yards wide at the widest.

### **Autauga County**

**6 S Marbury**      05      1515CST      0      0      7K      0      Thunderstorm Wind (G45)

A roof was torn off a pre-fab building in the northeast part of the county.

### **Elmore County**

**14 NW Wetumpka**      05      1525CST      0      0      5K      0      Thunderstorm Wind (G50)

Trees were blown down and a trailer was overturned in Titus, in the northwest part of the county.

### **Lauderdale County**

**8 W Lexington**      21      1440CST      0      0      6K      2K      Hail (1.25)

Half dollar sized hail was covering the ground in Green Hill, in the northern part of the county.

### **Lauderdale County**

**Lexington**      21      1445CST      0      0      7K      2K      Hail (1.50)

Walnut sized hail was covering the ground in Lexington, in the northeast part of the county.

### **Colbert County**

**Tuscumbia**      21      1506CST      0      0      5K      2K      Hail (0.88)

Nickel sized hail was reported in Tuscumbia.

### **Marion County**

**Bear Creek**      21      1758CST  
1805CST      0      0      5K      2K      Hail (1.00)

Dime to quarter size hail was reported between Bear Creek and Hackleburg, in the northern part of the county.

### **Winston County**

**5 NE Haleyville**      21      1840CST      0      0      4K      1K      Hail (0.88)

Nickel size hail was reported at Forkville, in the northwest part of the county.

### **Dekalb County**

**Ft Payne to  
Fort Payne**      21      2000CST      0      1      85K      0      Lightning

Lightning struck a hosiery mill and destroyed 15 knitting machines. One employee was injured trying to put out the fire.

### **Greene County**

**Forkland**      22      1316CST      0      0      5K      0      Thunderstorm Wind (G50)

Trees were blown down along Hwy 43, south of Forkland, in the southern part of the county.

### **Marengo County**

**Demopolis**      22      1320CST      0      0      5K      0      Thunderstorm Wind (G50)

A few trees were blown down in Demopolis.

### **Tuscaloosa County**

**Northport**      22      1320CST      0      0      5K      0      Thunderstorm Wind (G50)

Trees were down in Northport and Tuscaloosa.

### **Walker County**

**Sumiton**      22      1330CST      0      0      2K      0      Hail (0.75)

Dime size hail was reported by the Sumiton PD. Sumiton is in the eastern part of the county.

### **Hale County**

**Greensboro**      22      1340CST      0      0      8K      0      Thunderstorm Wind (G50)

Numerous trees were blown down in Greensboro as well as across the county.

### **Jefferson County**

**Warrior**      22      1341CST      0      0      2K      0      Hail (0.75)

Dime sized hail was reported covering the ground in Warrior.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>ALABAMA, North Central</b>									
<b>Bibb County</b>									
West Blocton	22	1355CST			0	0	12K	2K	Thunderstorm Wind (G50) Numerous trees were down including one that fell onto a house. There was damage to several roofs in West Blocton.
<b>Dallas County</b>									
Selma	22	1355CST			0	0	5K	0	Thunderstorm Wind (G50) A few trees were blown down in Selma.
<b>Blount County</b>									
Oneonta	22	1402CST			0	0	4K	0	Hail (1.00) Hail the size of quarters was reported by the Sheriff's Office.
<b>Shelby County</b>									
Helena to Alabaster	22	1405CST			0	0	7K	0	Tstm Wind/Hail Trees were down in both towns along with large limbs. Dime size hail was reported in Alabaster.
<b>Limestone County</b>									
Athens	22	1408CST			0	0	10K	0	Lightning Lightning hit an apartment building and started a fire that damaged the roof and attic of one building.
<b>Dallas County</b>									
Selma	22	1430CST			0	1	10K	0	Thunderstorm Wind (G55) Thunderstorm wind blew off part of a garage roof and knocked several trees down and onto roofs. One man sustained a broken hip and leg in the storm when a tree fell onto the garage that he was standing in.
<b>Elmore County</b>									
Prattville	22	1430CST			0	0	18K	0	Lightning Lightning struck a garage and pool house and destroyed the buildings.
<b>Elmore County</b>									
Wetumpka	22	1459CST			0	0	4K	0	Hail (1.00) Dime to quarter sized hail was reported in Wetumpka.
<b>Montgomery County</b>									
Montgomery	22	1512CST			0	1	9K	0	Thunderstorm Wind (G50) Trees were blown down and signs along I-65 were blown down. One child was injured when a tree fell on him.
<b>Elmore County</b>									
Tallassee	22	1524CST			0	0	8K	0	Hail (1.75) Golf ball size hail was reported on Hwy 14 east, in the eastern part of the county.
<b>Autauga County</b>									
Prattville	22	1525CST			0	0	5K	0	Thunderstorm Wind Skirts of mobile homes were blown off on Highway 31.
<b>Chambers County</b>									
Lafayette	22	1525CST			0	0	8K	0	Hail (1.75) Golf ball size hail was reported in Lafayette, in the central part of the county.
<b>Randolph County</b>									
Wedowee	22	1535CST			0	0	5K	0	Thunderstorm Wind (G50) Trees were down in and around Wedowee.
<b>Chambers County</b>									
Lanett	22	1535CST			0	0	8K	0	Hail (1.75) Golf ball size hail was reported near Lanett, in the southeastern part of the county.
<b>Sumter County</b>									
4 NW York	22	1602CST			0	0	5K	0	Thunderstorm Wind (G50) Several trees were blown down on Highway 19 near the state line.
<b>Marengo County</b>									
Sweet Water	22	1615CST			0	0	5K	0	Thunderstorm Wind (G50) A few large limbs were blown down on Highway 10, in the southern part of the county.
<b>Russell County</b>									
Seale	22	1730CST			0	0	4K	0	Thunderstorm Wind (G50) Trees were down in Seale, in the central part of the county.
<b>Dallas County</b>									
Sardis	22	1730CST			0	0	5K	0	Thunderstorm Wind (G50) Several large tree limbs were down in Sardis and blocked roadways. Sardis is in the eastern part of the county.
<b>Tallapoosa County</b>									
Alexander City	22	1800CST			0	0	2K	0	Tstm Wind/Hail Dime size hail was reported as well as several large limbs down on power lines.



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## ALABAMA, North Central

### Barbour County

**Clio**      22      2000CST      0      1      10K      0      **Thunderstorm Wind (G55)**  
Poles were snapped, power lines were downed, and trees were snapped and uprooted. Widespread damage was also reported throughout the county. There was one injury due to a tree falling on a car. Clio is in the southwest part of the county.

### Lee County

**Auburn**      27      1230CST      0      0      10K      0      **Lightning**  
Lightning struck an apartment building which damaged two of its quadruplexs.

### St. Clair County

**Cropwell**      28      1236CST      0      0      3K      0      **Hail (0.75)**  
Penny sized hail was reported in Cropwell, in the southeast part of the county.

### Talladega County

**Lincoln**      28      1251CST      0      0      3K      0      **Hail (0.75)**  
Dime size hail was reported in Lincoln.

### Calhoun County

**Bynum**      28      1355CST      0      0      5K      0      **Hail (1.00)**  
Hail the size of quarters was reported in Bynum, in the southwest part of the county.

### Etowah County

**Rainbow City**      28      1415CST      0      0      3K      0      **Hail (0.75)**  
Three-quarter inch hail was reported in Rainbow City, in the southern part of the county.

### Blount County

**Oneonta**      28      1430CST      0      0      3K      0      **Hail (0.75)**  
Hail the size of dimes was reported in Oneonta.

### Blount County

**Oneonta**      28      1545CST      0      0      3K      0      **Hail (0.75)**  
Three-quarter inch hail was reported in Oneonta.

### Marshall County

**Douglas**      28      1545CST      0      0      5K      0      **Hail (1.00)**  
Hail the size of quarters was reported by a ham spotter in Douglas, in the south part of the county.

### Dekalb County

**4 S Ft Payne**      28      1554CST      0      0      10K      0      **Thunderstorm Wind (G50)**  
Several trees were uprooted, three houses had minor damage, and a barn was damaged during a thunderstorm on County Road 78, just east of Adamsburg, in the southern part of the county.

### Winston County

**Lynn**      28      1550CST      0      0      3K      0      **Hail (0.75)**  
Three-quarter inch hail was reported in Lynn, in the southwest part of the county.

### Cullman County

**Baileyton**      28      1555CST      0      0      3K      0      **Hail (0.75)**  
Three-quarter inch hail was reported in Baileyton, in the northeast part of the county.

### Dekalb County

**Collinsville**      28      1600CST      0      0      5K      0      **Hail (1.00)**  
One inch hail was reported in and just north of Collinsville, in the southern part of the county.

### Limestone County

**Capshaw**      28      1615CST      0      0      2K      0      **Hail (0.75)**  
Three-quarter inch hail was reported south of Capshaw, in the extreme eastern part of the county by spotters.

### Etowah County

**Gadsden**      28      1611CST  
1625CST      0      0      8K      0      **Tstm Wind/Hail**  
Three-quarter inch hail was reported on the south side of the city. A large oak tree fell on a back porch and tore it off.

### Madison County

**2 W Nebo**      28      1619CST      0      0      2K      0      **Hail (0.75)**  
Three-quarter inch hail covered the ground west of Nebo, in the extreme western part of the county.

### Blount County

**4 N Blountsville**      28      1650CST      0      0      3K      0      **Hail (0.75)**  
Three-quarter inch hail was reported north of Blountsville.

### St. Clair County

**Ashville**      28      1656CST  
1702CST      0      0      3K      0      **Hail (0.75)**  
Three-quarter inch hail was covering the ground in Ashville and was reported between Steele and Ashville.

### Dekalb County

**Ft Payne**      28      1705CST      0      0      3K      0      **Hail (0.75)**  
Three-quarter inch hail was reported in downtown Fort Payne.

# Storm Data and Unusual Weather Phenomena

April 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

## ALABAMA, North Central

### Marshall County

4 NE Albertville

28 1728CST 0 0 3K 0 Hail (0.75)  
Three-quarter inch hail was reported in Hustleville, in the eastern part of the county, by a ham spotter.

## ALABAMA, Southeast

### Henry County

Abbeville

22 2020CST 0 0 1K Thunderstorm Wind  
Trees and power lines were downed.

### Coffee County

Enterprise

22 2010CST 0 0 Hail (1.25)  
Quarter sized hail was reported.

### Dale County

5 NW Daleville

22 2000EST 0 0 Hail (0.75)  
Hail was reported by a SKYWARN spotter.

## ALABAMA, Southwest

### Mobile County

Citronelle

05 1300CST 0 0 1.5K Thunderstorm Wind (G50)  
Several trees were blown down in Citronelle.

### Mobile County

Bayou La Batre

05 1330CST 0 0 2K Thunderstorm Wind (G50)  
Several trees were blown down near Bayou La Batre. High winds also rolled a dog across the yard in the same area. The dog was not injured.

### Clarke County

Grove Hill

05 1315CST 0 0 1K Thunderstorm Wind (G50)  
A couple of trees were blown down in Grove Hill.

### Wilcox County

2 NW Camden

05 1430CST 0 0 Thunderstorm Wind (G50)  
A SKYWARN spotter reported wind gusts of 60 mph just northwest of Camden. No damage was observed.

### Baldwin County

Ft Morgan

11 1450CST 0 0 Thunderstorm Wind (G50)  
A wind gust of 60 mph was reported at Fort Morgan as a thunderstorm moved across them from the Gulf.

### Washington County

Fruitdale

21 1530CST 0 0 Hail (0.75)  
1531CST  
Dime size hail was reported along U. S. Highway 45 near Fruitdale.

### Monroe County

Uriah

21 1629CST 0 0 Hail (1.00)  
1630CST  
Quarter size hail was reported in the southwest part of the county, near Uriah.

### Washington County

Mc Intosh

21 1600CST 0 0 Hail (0.75)  
1601CST  
Dime size hail was reported in McIntosh.

### Mobile County

Mt Vernon

21 1703CST 0 0 1K Hail (1.75)  
1714CST  
Golfball size hail fell in and around Mt Vernon. The hail fell for more than ten minutes and took longer than an hour to melt. A couple of windshields were broken from the hail.

### Baldwin County

Stockton

21 1720CST 0 0 Hail (1.00)  
1722CST  
Quarter size hail fell around the Stockton area.

### Conecuh County

Belleville

21 1700CST 0 0 1.5K Thunderstorm Wind (G50)  
Trees and power lines were blown down along U. S. Highway 84 near Belleville.

### Mobile County

Mt Vernon

21 1717CST 0 0 Hail (1.75)  
1719CST  
Quarter to golfball size hail again fell in and east of Mt Vernon. This was from the same slow moving thunderstorm that had dumped hail on much of the city only minutes earlier.

# Storm Data and Unusual Weather Phenomena

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Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>ALABAMA, Southwest</b>									
<b>Baldwin County</b> Bay Minette	21	1757CST 1759CST			0	0			Hail (1.75)
			Golfball size hail fell in and around Bay Minette.						
<b>Clarke County</b> Thomasville	22	1405CST 1418CST			0	0			Hail (0.75)
			Dime size hail fell around the city of Thomasville. The hail fell for thirteen minutes.						
<b>Wilcox County</b> Camden	22	1415CST 1416CST			0	0			Hail (1.75)
			Golfball size hail fell just south of Camden.						
<b>Washington County</b> Chatom	22	1415CST 1416CST			0	0			Hail (0.75)
			Dime size hail fell in Chatom.						
<b>Washington County</b> Chatom	22	1415CST			0	0	1K		Lightning
			Lightning struck near the courthouse in Chatom. Several radios and computers in the courthouse suffered damage as a result of the strike.						
<b>Choctaw County</b> Butler	22	1540CST 1541CST			0	0	0.75K		Hail (1.75)
			Golfball to dime size hail fell around the Butler area. Several people reported damage to their windshields as a result of the hail.						
<b>Choctaw County</b> Barrytown	22	1600CST			0	0			Funnel Cloud
			A funnel cloud was reported near Barrytown. The funnel never touched down and no damage was found in the area.						
<b>Choctaw County</b> Barrytown	22	1600CST 1601CST			0	0			Hail (1.00)
			Quarter size hail fell in and around Barrytown.						
<b>Choctaw County</b> 5 S Butler	22	1619CST 1620CST			0	0			Hail (0.75)
			Dime size hail was reported five miles south of Butler.						
<b>Clarke County</b> Thomasville	22	1645CST 1646CST			0	0			Hail (1.00)
			Hail again fell around the city of Thomasville. This time the hail was as big as quarters.						
<b>Wilcox County</b> Pine Hill to Yellow Bluff	22	1715CST 1718CST			0	0			Hail (1.75)
			Golfball size hail was reported along State Highway 10 between Pine Hill and Yellow Bluff. This same area also experienced high winds.						
<b>Wilcox County</b> Pine Hill to Yellow Bluff	22	1715CST 1718CST			0	0	2K		Thunderstorm Wind (G50)
			Several trees were blown down along State Highway 10 between Pine Hill and Yellow Bluff.						
<b>Washington County</b> Tibbie	22	1730CST 1731CST			0	0	1.5K		Thunderstorm Wind (G50)
			Trees were blown down near Tibbie. A couple of outside antennas were also blown down. Wind gusts were estimated at around 60 mph.						
<b>Clarke County</b> Grove Hill	22	1755CST 1756CST			0	0			Hail (0.75)
			Dime size hail was reported in the Grove Hill area.						
<b>Washington County</b> Chatom	22	1800CST 1801CST			0	0			Hail (0.75)
			Dime size hail was reported near Chatom.						

# Storm Data and Unusual Weather Phenomena

April 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>ALABAMA, Southwest</b>									
<b>Washington County</b>									
Fruitdale to Deer Park	22	1800CST 1805CST			0	0	1.5K		Thunderstorm Wind (G50)
			Several trees were blown down along U. S. Highway 45 from Fruitdale to near Deer Park.						
<b>Monroe County</b>									
Monroeville	22	1830CST			0	0	1K		Thunderstorm Wind (G50)
			Several trees were blown down in Monroeville.						
<b>Monroe County</b>									
Claiborne	22	1835CST 1837CST			0	0			Hail (1.00)
			Quarter to dime size hail was reported near Claiborne.						
<b>Butler County</b>									
Georgiana	22	1910CST 1911CST			0	0			Hail (0.75)
			Dime size hail was reported near Georgiana.						
<b>Butler County</b>									
Georgiana to Mc Kenzie	22	1910CST 1912CST			0	0	1.5K		Thunderstorm Wind (G50)
			Several trees were blown down along U. S. Highway 31 between McKenzie and Georgiana. Wind gusts were estimated at 60 mph.						
<b>Covington County</b>									
Huckaville	22	1945CST 1947CST			0	0	2K		Thunderstorm Wind (G50)
			Several trees and power lines were blown down along State Highway 55 near Huckaville (which is northwest of Florala).						
<b>Monroe County</b>									
Frisco City	22	1840CST			0	0	30K		Lightning
			Lightning struck a home in Frisco City. The strike started a fire and the house suffered major damage.						
<b>Crenshaw County</b>									
Luverne	22	1930CST 1931CST			0	0	60K		Thunderstorm Wind (G50)
			Several trees and power lines were blown down just north of Luverne. One of the trees happened to fall onto a house and caused major damage to the home. A trailer was also turned over.						
<b>Baldwin County</b>									
Stapleton	22	2030CST 2031CST			0	0			Hail (1.00)
			Quarter to dime size hail was reported in Stapleton.						
<b>Escambia County</b>									
Atmore	22	2045CST 2046CST			0	0	0.50K		Thunderstorm Wind (G50)
			Several large limbs were blown down around the Atmore area.						
<b>Monroe County</b>									
Peterman	22	2045CST 2046CST			0	0	1K		Thunderstorm Wind (G50)
			Several trees were blown down in and around Peterman.						
<b>Baldwin County</b>									
Bay Minette	22	2050CST 2051CST			0	0			Hail (0.75)
			Dime size hail was reported in Bay Minette.						
<b>Mobile County</b>									
4 W Citronelle	22	2115CST 2116CST			0	0			Hail (0.75)
			Dime size hail was reported in the northwest part of Mobile county on Lott road.						
<b>Baldwin County</b>									
Stockton	22	2140CST 2141CST			0	0			Hail (0.75)
			Dime size hail was reported in the Stockton area.						
<b>Covington County</b>									
Rose Hill	22	2150CST 2151CST			0	0	1.5K		Thunderstorm Wind (G50)
			Trees and power lines were blown down in and around Rose Hill.						
<b>Crenshaw County</b>									
Dozier	22	2150CST 2151CST			0	0	1.5K		Thunderstorm Wind (G50)
			Several trees and power lines were blown down in Dozier.						

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ALABAMA, Southwest

### **Crenshaw County**

**Luverne**      22      2150CST  
2151CST      0      0      2K      **Thunderstorm Wind (G50)**

Several trees and power lines were blown down in and south of Luverne.

### **Baldwin County**

**Robertsdale**      22      2255CST  
2256CST      0      0      **Hail (0.75)**

Dime size hail was reported in Robertsdale.

### **Baldwin County**

**Orange Beach**      22      2305CST      0      0      **Waterspout**

A waterspout dissipated as it moved ashore at Orange Beach. No damage was found.

### **Covington County**

**Lockhart**      28      0100CST  
0102CST      0      0      5K      **Thunderstorm Wind (G50)**

Several trees were blown down in the Lockhart area. A couple of awnings were picked up by the winds and blown from carports.

### **Washington County**

**9 NW Millry**      22      2015CST  
2016CST      0      0      **Hail (0.88)**

Nickel size hail was reported along County Road 34 near Chapel Hill in the northwest part of Washington county.

## ALASKA, Northern

### **AKZ024**

#### **St. Lawrence Island-Bering Strait Coast**

02      0835AST  
1515AST      0      0      **Blizzard**

A storm moving North-Northwest in the Bering Sea brought strong winds and blizzard conditions to Zone 24.

### **AKZ001-004>005-024**

#### **Arctic Slope Coastal - Upper Kobuk-Koyukuk Valley - Lower Kobuk Valley-Northern Seward Peninsula - St. Lawrence Island-Bering Strait Coast**

03      0800AST      0      0      **Winter Storm**  
04      1800AST

A wave development on the front of the aforementioned storm moved north over the west coast of Alaska, bringing blizzard conditions ahead of the front to Zone 5 (Mainly Kotzebue) Zone 1 West of Lonely (including Barrow) and marginally verifying blizzard to Zone 1 East of Lonely (namely Prudhoe Bay). Heavy snow was reported inland over Zone 4 at Ambler (6-8") and Kobuk (11"). Brief strong winds behind the system occurred over Saint Lawrence Island at Savoonga, and came close at Gambell. Winds speeds also came close to criteria over Zone 5: Shishmaref (33kts sustained), Point Hope (33g37kts).

### **AKZ001>002**

#### **Arctic Slope Coastal - North Slopes Of Brooks Range**

15      1240AST      0      0      **Blizzard**  
2300AST

A small but vigorous low pressure system moved east across the Arctic Coast producing blizzard conditions at Umiat, and conditions close to criteria at Deadhorse, and Barter Island.

## ALASKA, Southeast

NONE REPORTED.

## ALASKA, Southern

### **AKZ010-021>022**

#### **Yukon-Kuskokwim Delta - Western Alaska Peninsula - Eastern Aleutians**

01      0000AST      0      0      **High Wind (G45)**  
03      1200AST

A moderate front just east of the Komandorskiye Islands moved slowly east toward the southwest coast of the State late Wednesday and early Thursday. Brisk southerly winds gusted from 40 to 50 mph at many exposed areas in advance of the front. Blizzard conditions were observed along the southwest coast of the mainland. Near Chevak, a group of 24 villagers out on snowmachines were temporarily lost due to "whiteout" conditions.

### **AKZ018>020**

#### **Cook Inlet-Susitna Valley - Central Gulf Coast - Kodiak Island-Eastern Alaska Peninsula**

01      0500AST      0      0      1K      **High Wind (G75)**  
1900AST

An intensifying low moved northward through the Gulf of Alaska to just south of Resurrection Bay at 3pm Tuesday. Central pressures were estimated close to 975 mbs early Tuesday afternoon. The low began to rapidly weaken and recurve eastward Wednesday. Strong east to northeast winds preceded the low Tuesday morning...reported as high as 62 mph at Middleton Island between 5am and 6am Tuesday and 63 mph very close to Cape Saint Elias between 6 and 8am Tuesday. By Tuesday afternoon...increasingly strong northwest winds on the back side of the low reached 86 mph in Kukak Bay (near Afognak Island just north of Kodiak Island) as reported by the Tug "Solution". In Kodiak, winds reached 51 mph on the 1st...uprooting some trees and blowing over a few sheds....and 48 mph on the 2nd, resulting in several boats torn loose from their moorings. Earlier the "Agnes Foss" and "Cavalier" just southeast of the Alaska Peninsula reported wind gusts up to 69 mph. Other reported strong winds were 46

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ALASKA, Southern

mph at noon at Kenai, 45 mph gusts at Palmer between 2 and 3pm, 51 mph gusts at Kodiak between 9 and 10 pm and 43 mph gusts at Valdez between 8 and 9pm.

<b>AKZ011-020&gt;021</b>	<b>Bristol Bay Coastal - Kodiak Island-Eastern Alaska Peninsula - Western Alaska Peninsula</b>								
	<b>08</b>	<b>1200AST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G50)</b>
	<b>11</b>	<b>2359AST</b>							

A moderate front associated with an intense 960mb low 360 miles south of Cold Bay brought moderate southeasterly winds to Kodiak Island, the Alaska Peninsula and Bristol Bay Tuesday and Wednesday. Tuesday afternoon...the front extended from the Alaska Peninsula into the northeast Pacific. By 4am Wednesday morning...the front extended in a wide arc through the eastern Aleutians, Port Heiden and southeastward through a point about 180 miles south of Kodiak.

By late Wednesday afternoon...the front began weakening from near Saint George Island to eastern Bristol Bay and just south of Sitkinak Island (just southwest of Kodiak Island). Brisk easterly winds preceded the front...gusting from 50 to 60 mph at several locations. Cold Bay reported a peak wind of 58 mph Tuesday...while King Salmon recorded a gust of 53 mph Wednesday. Wind gusts reached 40 mph at Kodiak from the east Wednesday and 40 mph from the northeast on Friday. In addition, Kodiak set a one day precipitation record for the month of April...2.99 inches.

<b>AKZ019</b>	<b>Central Gulf Coast</b>								
	<b>17</b>	<b>0000AST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G48)</b>
		<b>0900AST</b>							

A moderate coldfront passed through Prince William Sound Wednesday...beginning a cold northerly flow of modified arctic air into Prince William Sound. Valdez recorded a wind gust of 55 mph and Whittier recorded a 40 mph gust early Thursday.

<b>AKZ018&gt;022</b>	<b>Cook Inlet-Susitna Valley - Central Gulf Coast - Kodiak Island-Eastern Alaska Peninsula - Western Alaska Peninsula - Eastern Aleutians</b>								
	<b>24</b>	<b>0000AST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G45)</b>
	<b>25</b>	<b>1600AST</b>							

A strong 967 mb low, 450 miles south of Kodiak late Wednesday, slowly began to weaken Thursday. The moderate front associated with this low...continued to elongate northeastward through the Gulf of Alaska...bringing brisk easterly winds to several areas. Along the northwest side of the low...brisk northwesterly winds were reported along the Alaska Peninsula. On Thursday, wind gusts reached 50 mph at Portage, 47 mph at Dutch Harbor and 40 mph at Middleton Island. In the Kodiak Island area wind gusts reached 52 mph ahead of the front Thursday (as reported by the "Trident"). Also on Thursday, the tug "Situ" recorded wind gusts of 52 mph from the northwest while anchored up in a bay at the extreme western tip of the Alaska Peninsula. Dutch Harbor recorded a wind gust of 47 mph on the same day. On Friday, wind gusts reached 51 mph at Portage and 41 mph at Middleton Island.

<b>AKZ019</b>	<b>Central Gulf Coast</b>								
	<b>28</b>	<b>0200AST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G35)</b>
		<b>1600AST</b>							

A weakening front, approaching the central North Gulf Coast Monday, brought wind gusts near 40 mph to Middleton Island.

<b>AKZ017</b>	<b>Copper River Basin</b>								
	<b>23</b>	<b>0000AST</b>			<b>0</b>	<b>0</b>	<b>25K</b>		<b>Flood</b>
	<b>16</b>	<b>2359AST</b>							

An ice jam formed near the mouth of the Gakona river at the Glenn Highway bridge at the end of April. Overflow problems were reported as early as April 23rd...however minor flooding of property actually did not begin until April 28th. Snowmelt...enhanced by warm weather...continued to keep water levels high...flooding a dozen basements and one garage. Dynamiting from about May 13th through May 15th had a positive effect...as did cooler temperatures. Reduced water levels were noted May 15th. Flooding finally began to subside Friday, May 16th.

## AMERICAN SAMOA

NOT RECEIVED.

## ARIZONA, Central and Northeast

<b>AZZ015</b>	<b>Western Mogollon Rim</b>								
	<b>02</b>	<b>0000MST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>05</b>	<b>1200MST</b>							

A major early spring storm struck the mountains of central Arizona mainly around W. Flagstaff. Most of the snow fell by mid afternoon on April 2nd. Snowfall totals at that time included 25 inches at Bellemont (11 miles west of Flagstaff), 18 inches in N. Flagstaff, 16 inches in W. Flagstaff and 8 inches at Munds Park (13 miles south of Flagstaff). The 28.0 inches that fell in Bellemont on April 2nd set the daily record snowfall for that day and for the entire month of April. Snow continued to fall for the next 3 days making the total snowfall for all 4 days at Bellemont with 44.3 inches.

<b>AZZ013&gt;014-017</b>	<b>Little Colorado River Valley In Navajo County - Little Colorado River Valley In Apache County - White Mountains</b>								
	<b>09</b>	<b>1100MST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G78)</b>
		<b>1900MST</b>							

Very strong southwest winds were reported in east central Arizona. St. Johns airport reported a 90 mph gust at 1215 PM. Show Low airport reported a 78 mph gust also at 1215 PM. Similarly Winslow airport reported a 62 mph gust that same afternoon.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ARIZONA, Central and Northeast

<b>AZZ014</b>	<b>Little Colorado River Valley In Apache County</b>	<b>23</b>	<b>1300MST</b> <b>1900MST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G70)</b>
	Strong west winds were reported around St. Johns. St. Johns airport reported a peak wind gust of 80 mph at 305 PM.									
<b>Coconino County</b> 8 N Valle to 7 N Valle		<b>23</b>	<b>1600MST</b> <b>1610MST</b>	<b>1</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Tornado (F0)</b>
	Short-lived tornado, gust front related, observed by the public 8 miles north of Valle. Shifted two mobile homes on their foundation. A third mobile home was pushed off its foundation.									
<b>Coconino County</b> 3 S Valle		<b>23</b>	<b>1638MST</b>	<b>0.1</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
	Short-lived tornado crossed Highway 64 near Valle. Observed by two Sheriff's officers and only lasted 5-10 seconds. No known damage.									
<b>Navajo County</b> Dilkon		<b>23</b>	<b>1700MST</b> <b>1900MST</b>			<b>0</b>	<b>0</b>	<b>6K</b>	<b>0</b>	<b>Thunderstorm Wind</b>
	Wind damage in Dilkon believed to be caused by strong thunderstorm gusts. Blew over a trailer home. Several other trailers received minor damage. Broken windows were reported at the Dilkon Boarding School. No measured wind speed available.									

## ARIZONA, Northwest

NONE REPORTED.

## ARIZONA, South

<b>AZZ030</b>	<b>Cochise</b>	<b>02</b>	<b>2300MST</b> <b>03 0100MST</b>			<b>0</b>	<b>0</b>	<b>40K</b>		<b>High Wind (G62)</b>
	Strong winds covered much of southeast. Arizona. Winds overturned half of a mobile home being transported on Interstate 10 near Benson. Winds of 40 to 50 mph were common with areas of blowing dust. Strongest winds were near Fort Huachuca where the peak wind of 62 kts was reported.									

## ARIZONA, Southwest

<b>Maricopa County</b> Laveen		<b>03</b>	<b>1730MST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
<b>Maricopa County</b> Mesa		<b>17</b>	<b>1649MST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G61)</b>
	Wind gust was estimated by a spotter.									
<b>Maricopa County</b> Glendale		<b>24</b>	<b>1305MST</b>			<b>0</b>	<b>0</b>			<b>Dust Devil</b>
	A dust devil caused damage to four homes, toppled a block wall, ripped a roof off of a shed, and knocked down a few large trees. The damage occurred near the intersection of Paradise Lane and 53rd Avenue.									

## ARKANSAS, Central and North Central

<b>Bradley County</b> Warren		<b>04</b>	<b>1950CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
	Thunderstorm winds caused some roof damage to several buildings.									
<b>Polk County</b> Cherry Hill		<b>04</b>	<b>2210CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
	Several buildings sustained roof damage.									
<b>Grant County</b> Prague		<b>04</b>	<b>2240CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
	Thunderstorm winds downed some large tree limbs.									
<b>Jefferson County</b> Redfield		<b>04</b>	<b>2250CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
	Some large tree limbs were blown down.									
<b>Lonoke County</b> Keo		<b>04</b>	<b>2315CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
	Thunderstorm winds caused some roof damage and blew out part of the wall of a building.									
<b>Lonoke County</b> England		<b>04</b>	<b>2315CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Lonoke County</b> Humnoke		<b>04</b>	<b>2330CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
	Thunderstorm winds blew down some large tree limbs.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>ARKANSAS, Central and North Central</b>									
<b>Jefferson County</b>									
Jefferson	05	0125CST			0	0			Hail (0.75)
<b>Jefferson County</b>									
Tucker	05	0140CST			0	0			Hail (0.75)
<b>Jefferson County</b>									
Tucker	05	0140CST			0	0			Thunderstorm Wind (G50)
Thunderstorm winds knocked down some large tree limbs.									
<b>Boone County</b>									
2 NE Bergman	20	2100CST			0	0			Hail (0.88)
<b>Newton County</b>									
5 SW Compton	20	2130CST			0	0			Hail (0.75)
<b>Pulaski County</b>									
Little Rock	23	0456CST			0	0			Hail (0.75)
Hail up to dime size occurred in the western part of Little Rock.									
<b>Arkansas County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Bradley County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Drew County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Independence County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Jackson County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Jefferson County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Lincoln County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Monroe County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Prairie County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Sharp County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>White County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
<b>Woodruff County</b>									
Countywide	04	2115CST			0	0			Flash Flood
	05	1050CST							
Heavy rains resulted in flash flooding over a number of counties. A large number of bridges, roadways and low water crossings sustained damage. Several home and businesses were also damaged by the high water.									
<b>Dallas County</b>									
Countywide	04	2330CST			0	0			Flash Flood
	05	0800CST							
<b>Grant County</b>									
Countywide	04	2330CST			0	0			Flash Flood
	05	0800CST							



# Storm Data and Unusual Weather Phenomena

April 1997

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## ARKANSAS, Central and North Central

### **Ouachita County**

Countywide	04	2330CST			0	0			
	05	0800CST							Flash Flood

Heavy rains caused flash flooding across much of Dallas, Grant and Ouachita counties. Numerous creeks and rivers rose rapidly in a short period of time, resulting in flooding. A number of roads and bridges also sustained damage from the high water.

### **Pulaski County**

Countywide	05	0200CST			0	0			
		0800CST							Flash Flood

Heavy rains resulted in flash flooding across parts of Pulaski County. Several roadways were under water for a period of time.

### **Cleburne County**

Countywide	05	0045CST			0	0			
		0630CST							Flash Flood

### **Fulton County**

Countywide	05	0045CST			0	0			
		0630CST							Flash Flood

### **Lonoke County**

Countywide	05	0045CST			0	0			
		0630CST							Flash Flood

Flash flooding occurred over portions of Cleburne, Fulton and Lonoke counties as a result of heavy rainfall. A number of county roads and bridges were covered by high water for a period of time. Several roadways were also washed out in spots.

### **Faulkner County**

Countywide	05	0500CST			0	0			
		0830CST							Flash Flood

Heavy rainfall resulted in flash flooding. Several county roads and bridges were under water for a period of time.

### **Saline County**

Countywide	05	0500CST			0	0			
		0800CST							Flash Flood

Heavy rains caused flash flooding over parts of Saline County. Several roads and bridges were under water for a period of time.

### **Johnson County**

3.5 WNW Oark	05	0130CST			1	0			
									Flash Flood

Heavy rains caused flash flooding across parts of Johnson County. A vehicle driving across a low-water bridge was swept off the bridge by the high water. The driver of the vehicle drowned.

F41VE

## ARKANSAS, East

### **Craighead County**

Bono	05	0400CST			0	0	2K		
		0800CST							Flash Flood

### **Mississippi County**

Gosnell to Blytheville	05	0400CST			0	0	1K		
		0800CST							Flash Flood

### **Poinsett County**

Harrisburg to Trumann	05	0400CST			0	0	6K		
		0800CST							Flash Flood

Nearly 6 inches of rain fell over northeast Arkansas. This produced flash flooding across Craighead, Poinsett and Mississippi counties. In Craighead counties, sixteen homes were damaged. In Poinsett county, sixteen homes were damaged in Harrisburg and forty-two homes were damaged in Truman. In Mississippi county, several homes were flooded in Blytheville and Gosnell.

### **Craighead County**

Lake City to Monette	21	0000CST			0	0	10K		
		0005CST							Thunderstorm Wind

Several transformers were knocked down.

### **Randolph County**

1 W Pocahontas to Pocahontas	21	0045CST			0	0	0.01K		
		0050CST							Hail (0.75)

### **St. Francis County**

Forrest City	30	1815CST			0	0	11K		
		1820CST							Thunderstorm Wind

A car wash and a liquor store suffered roof damage. Several trees and power lines were also knocked down.

# Storm Data and Unusual Weather Phenomena

April 1997

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## ARKANSAS, Northwest

<b>Crawford County</b> Van Buren	04	2230CST			0	0	0.10K		Thunderstorm Wind
<b>Crawford County</b> Mountainburg	04	2245CST			0	0			Thunderstorm Wind (G52)
<b>Carroll County</b> 1 SW Green Forest	04	2355CST			0	0			Thunderstorm Wind (G52)

Isolated severe thunderstorms developed in northwest Arkansas during the late evening of April 4th. Thunderstorm winds gusted to 60 miles an hour in Mountainburg and 1 mile southwest of Green Forest, and power lines were blown down in Van Buren.

<b>Benton County</b> 2 N Pea Ridge	20	1913CST	0.1	30	0	0			Tornado (F0)
<b>Benton County</b> 1 N Pea Ridge	20	1915CST			0	0	0.10K		Thunderstorm Wind
<b>Benton County</b> 5 E Pea Ridge	20	1920CST			0	0	0.10K		Thunderstorm Wind
<b>Carroll County</b> 5 N Eureka Spgs	20	1958CST			0	0			Hail (1.75)
<b>Carroll County</b> Berryville	20	2009CST			0	0			Hail (0.88)
<b>Madison County</b> Clifty	20	2015CST			0	0			Hail (0.75)
<b>Carroll County</b> 3 SE Oak Grove	20	2045CST			0	0			Hail (1.00)
<b>Madison County</b> Huntsville	20	2128CST			0	0			Hail (0.88)
<b>Crawford County</b> 3 NW Alma	20	2130CST			0	0			Hail (0.75)

Severe thunderstorms moved across northwest Arkansas during the evening of April 20th. The storms produced 1 brief tornado, as well as damaging winds and large hail. The tornado touched down at 1913CST 2 miles north of Pea Ridge in a rural area, produced no structural damage, and was rated F0 in intensity. Strong thunderstorm winds downed several large trees on the north side of Pea Ridge Military Park 5 miles east of Pea Ridge, and several large tree limbs were blown down 1 mile north of Pea Ridge. Golfball size hail fell 5 miles north of Eureka Springs, and dime to quarter size hail fell at several other locations in northwest Arkansas.

## ARKANSAS, Southeast

<b>ARZ074</b> Ashley	26	0100CST			0	0	3K		High Wind
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Several trees were blown down throughout the county.

## ARKANSAS, Southwest

<b>Hempstead County</b> Fulton	22	0410CST			0	0			Hail (1.00)
<b>Union County</b> 1 W El Dorado	04	1812CST			0	1			Thunderstorm Wind (G70)

High winds downed trees west of town including one that fell across an automobile. A person was trapped inside the car and sustained minor injuries.

<b>Hempstead County</b> Hope	22	0430CST			0	0			Hail (1.75)
<b>Miller County</b> Texarkana to Texarkana Macks Arpt	22	0715CST			0	0			Thunderstorm Wind (G80)

Numerous trees and powerlines were toppled across the city leaving many residents without electricity. A few homes and businesses suffered damage from fallen trees.

<b>Columbia County</b> Magnolia	22	0756CST			0	0			Thunderstorm Wind (G80)
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Numerous trees were toppled and power lines down with power outages reported across the entire city.

<b>Hempstead County</b> 2 S Hope	22	0459CST			0	0			Thunderstorm Wind (G60)
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A tree was knocked down by winds across Hwy 29 south of Hope. An 18 wheeler either hit, stopped, or jack knifed across the highway. A car behind the truck hit the truck killing the 3 occupants of the vehicle. Killed were a father, his son and daughter.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ARKANSAS, Southwest

Ages unknown.

<b>Lafayette County</b> Stamps	22	0700CST			0	0			<b>Thunderstorm Wind (G70)</b>
	Trees and power lines were toppled resulting minor damage to homes.								
<b>Union County</b> Mt Holly	22	0800CST			0	0			<b>Thunderstorm Wind (G60)</b>
	Several reports of power outages were received from toppled trees across power lines.								
<b>Miller County</b> 1 S Texarkana Arpt	27	0030CST			0	0			<b>Hail (0.75)</b>
<b>Union County</b> El Dorado	04 05	2100CST 0100CST			0	0			<b>Flash Flood</b>
	Numerous roadways across the city were covered with one to two feet of water. Some roads were closed and numerous cars were stalled.								
<b>Columbia County</b> Magnolia	04	2335CST			0	0	11M		<b>Flash Flood</b>
	Flooding was reported across the entire city. The local hospital had one foot of water in it while water also entered numerous homes. Rainfall for a 24 hour period averaged just under twelve inches. Many roads and bridges were washed out resulting in 1 million dollars damage alone.								
<b>Hempstead County</b> 10 NW Blevins	04	2355CST			0	0			<b>Thunderstorm Wind (G60)</b>
	Several trees toppled from winds across Hwy 24.								
<b>Union County</b> 10 SW El Dorado	04	1745CST			0	1			<b>Thunderstorm Wind (G70)</b>
	A woman was injured when trees fell across her mobile home in the Newell Community. She was trapped for several hours until rescued but suffered only minor injuries.								
<b>Columbia County</b> 7 SE Emerson to 1 E Emerson	04	1720CST 1735CST	7	200	0	0	200K		<b>Tornado (F1)</b>
	A tornado touched down 1 mile southwest of Cotton Valley in Webster Parish, LA., and moved northeast past Shangaloo into Columbia County, AR., 7 miles southwest of Emerson. The tornado snapped numerous trees and damaged one home.								

## CALIFORNIA, Extreme Southeast

NONE REPORTED.

## CALIFORNIA, North Central

<b>Tehama County</b> Los Molinos	20	1515PST 1530PST			0	0	0	0	<b>Funnel Cloud</b>
	Tehama County sheriffs observed two funnel clouds over the city.								
<b>CAZ019-067-069</b>	<b>Northern San Joaquin Valley - Motherlode/Camptonville To Goverland - West Slope Northern Sierra Nevada/Sierra County South</b>								
	02	0400PST 2200PST			0	2			<b>High Wind (G50)</b>
	Strong north winds blew a man off the top of his tractor trailer, injuring him critically in the northern San Joaquin Valley. The winds also aided the spread of dozens of small fires from the very dry downslope winds, injuring one firefighter. Falling trees left downed power lines for 7000 customers in Calaveras and Tuolumne Counties.								

## CALIFORNIA, Northeast

<b>CAZ071</b>	<b>Lassen/Eastern Plumas/Eastern Sierra</b>								
	08	1330PST 1930PST			0	0			<b>Heavy Snow</b>
	A weather spotter in the town of Doyle measured 6 inches of snow in 6 hours.								
<b>CAZ072</b>	<b>Greater Lake Tahoe Area</b>								
	02	1013PST 1600PST			0	0	40K		<b>High Wind (G52)</b>
	A strong wind gust blew down a tree at Kings Beach at about 10:13 am PST. The tree went through a roof of a house and also damaged a trailer behind the house. A tree also fell on a vehicle at South Lake Tahoe at about 4 pm PST. Estimated wind gusts for both incidents were near 52 kts.								

# Storm Data and Unusual Weather Phenomena

April 1997

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

## CALIFORNIA, Northwest

<b>Humboldt County</b> 2 SSW Fields Lndg	23	1755PST 1800PST			0	0			<b>Waterspout</b>
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A waterspout was sighted by the public over the southern part of Humboldt Bay near the College of the Redwoods. It was reported to be picking up water and mud.

<b>Humboldt County</b> 5 E Bridgeville	23	1838PST 1840PST			0	0			<b>Funnel Cloud</b>
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A spotter reported a funnel cloud from the same storm complex that generated a waterspout earlier over Humboldt Bay.

## CALIFORNIA, South Central

<b>CAZ022</b>	<b>Southern Sierra Nevada Mountains</b>								
	02	0100PST			0	1	150K	0	<b>High Wind (G70)</b>
	03	1700PST							

Strong northeast wind labelled Mono Wind which effect the west slopes of the Southern Sierra Nevada Mountains occurred for two days starting early in the morning of Tuesday, April 2. A spotter 20 miles NE of Bass Lake in Madera County at 7200 feet reported some roof damage at 0100 PST on the 2nd. While some damage began at 0230 PST in Yosemite National Park, the strongest part of the event as reported by Yosemite Dispatch was from 1230 to 1530 PST later in the day. Trees were toppled hitting houses and cars in Foresta, Wawona, and Mariposa Grove. Power lines were downed sparking two fires between Mariposa and Yosemite. Winds were still strong enough on Wednesday the 3rd to cause a minor injury to a hiker from flying debris.

<b>Madera County</b> 2 N Madera	01	1600PST			0	0	15K	0	<b>Thunderstorm Wind</b>
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A thunderstorm produced gusty wind raising dust, damaging a car port, and moving a vehicle in the road in the Madera Knolls area 2 miles north of Madera. Witnesses report a gust front with little wind before and diminishing wind after the event. Unconfirmed gustnado with the event as radar indicated the thunderstorm cell to the north of the area. Wind speed unable to be determined.

<b>CAZ025</b>	<b>Kern County Desert</b>								
	23	0649PST 2000PST			0	0			<b>High Wind (G85)</b>

Non-thunderstorm wind (mountain wave) in several locations in the Mojave Desert in Kern County this day. By 0800 PST Inyokern Airport had sustained wind of 35 Kts with gusts to 60 Kts...Mojave Airport had sustained wind of 45 Kts with gusts to 70 Kts. Later in the day at 1622 PST Edwards AFB had sustained wind of 34 Kts with a peak gust of 42 Kts. China Lake NWTC at 0856 PST reached 37 Kts sustained with a gust to 46 Kts. Peak wind for the day at Mojave was a gust of 85 Kts at 1445 PST.

<b>CAZ025</b>	<b>Kern County Desert</b>								
	28	1245PST 1300PST			0	0			<b>High Wind (G35)</b>

Gradient wind (funneled) with a sustained wind of 35 Kts and a gust to 45 Kts at 1245 PST.

<b>CAZ025</b>	<b>Kern County Desert</b>								
	29	1045PST 1900PST			0	0			<b>High Wind (G70)</b>

Gradient Wind (funneled) with a sustained wind of 35 Kts and gust to 50 Kts at 1045 PST and a peak gust of 70 Kts at 1545 PST. Some mountain wave activity supporting the higher wind speed in the vicinity of Mojave.

## CALIFORNIA, Southeast

NONE REPORTED.

## CALIFORNIA, Southwest

<b>San Diego County</b> San Diego	02	1230PST			0	0			<b>Lightning</b>
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A cold upper-level low pressure center spawned an area of thunderstorms that affected much of southern San Diego County with gusty winds, small hail, and power outages. Lightning associated with the storm system struck a palm tree in the skyline district of San Diego, shearing off the top twenty feet. The resulting shock wave shattered all the windows of the home on the property, sent dishes and glasses cascading from cupboards, and knocked pictures off the walls. Windows were broken in Fifteen nearby homes, an elementary school, and a high school two blocks away. Also, a nearby utility pole caught fire, and the top of a wood and concrete fence was destroyed.

<b>San Diego County</b> 5 W San Diego Intl Arpt	02	1335PST 1340PST			0	0			<b>Funnel Cloud</b>
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Thunderstorms spawned a funnel cloud off of Ocean Beach. It was spotted briefly by lifeguards.

## CALIFORNIA, Upper

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## CALIFORNIA, Upper

### CALIFORNIA, West South Central

#### Los Angeles County

**Palmdale**      01      1600PST  
1615PST      0      0      **Dust Devil**

A dust devil developed in the Palmdale area. Two storage sheds were destroyed by the dust devil.

#### Los Angeles County

**La Verne**      02      1400PST  
1415PST      0      0      **Dust Devil**

A dust devil developed over a mobile home park in La Verne. Two mobile homes had their roofs blown off by the dust devil.

#### Los Angeles County

**Glendale**      02      1423PST  
1430PST      0      0      **Dust Devil**

A dust devil developed in the Glendale area. The dust devil blew down a tree onto a automobile.

#### CAZ047

#### Los Angeles County Valleys

09      1000PST      0      0      **High Wind (G57)**  
2100PST

Strong northwest winds, gusting up to 65 mph, developed across the valleys of Los Angeles county. Numerous power outages were caused by falling branches. In Covina, a garage fire occurred when a palm tree frond was blown into a power line. In Duarte, falling branches caused extensive damage to several automobiles.

## CALIFORNIA, Western

NONE REPORTED.

## COLORADO, Central and Northeast

#### COZ033>036

#### Rabbit Ears & Medicine Bow Ranges/Rocky Mountain National Park - Summit County/Mosquito Range/Indian Peaks - Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins - Southern Front Range Foothills/Clear Creek Basin

01      1800MST      0      0      0      **Heavy Snow**  
02      1200MST

Mother nature blanketed portions of the northern mountains and northeast foothills with heavy snow as a Pacific storm system moved across the region. In the North Central Mountains snowfall totals included: 18 inches at the Mount Evans Research Center, 15 inches at Eldora Ski Area and 13 inches at Klondike. In the Front Range Foothills snowfall amounts included: 12 inches 3 miles north of Blackhawk, 11 inches at Golden Gate Canyon, 10 inches at Allens Park, Allenspark, Conifer and Crowhill, with 9 inches reported at Evergreen.

#### COZ040>041-050

#### Denver Metropolitan Area - Eastern Douglas And Western Elbert Counties/Castle Rock And Vicinity - Sedgwick And Phillips Counties

02      0000MST      0      0      0      **Heavy Snow**  
1800MST

As the storm tracked east across Urban Corridor and into the plains some areas picked up some appreciable amounts. Snowfall totals included: 6 inches at Julesburg, 5 inches at Sedalia, with 4 inches reported at Castle Rock, Morrison and 4 miles northwest of Larkspur.

#### COZ030-035>036-040>041

#### North Park - Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins - Southern Front Range Foothills/Clear Creek Basin - Denver Metropolitan Area - Eastern Douglas And Western Elbert Counties/Castle Rock And Vicinity

04      1800MST      0      0      0      **Winter Storm**  
05      0600MST

Heavy snow developed along western portions of the Urban Corridor and Palmer Divide and extended west into the Front Range Foothills as well as North Park. As a strong low pressure system intensified in the eastern plains, upslope flow developed over the area with strong northerly winds from 20 to 35 mph behind the storm. In North Park, Rand and Spicer picked up 11 and 12 inches of snow respectively. Snowfall totals in and near the Front Range Foothills included: 12 inches at Conifer, 9 inches at Doubleheader, with 4 to 7 inches reported at Crowhill, Evergreen, Hourglass Lake, Larkspur, Morrison and 7 miles northeast of Virginia Dale.

#### COZ043>044-048>050

#### Southern Weld County/Greeley And Vicinity - Morgan County/Fort Morgan And Vicinity - Logan County/Sterling And Vicinity - Washington County/Akron And Vicinity - Sedgwick And Phillips Counties

05      0900MST      0      0      0      **High Wind (G60)**  
06      0400MST

As the surface low tracked into Nebraska, northerly winds intensified even further in the northeast plains. Peak wind gusts to 70 mph (60 kts) were observed near Haxtun with gusts to 60 mph reported at Akron and Greeley (52 kts and 51 kts respectively). The combination of strong winds and freshly fallen snow resulted in whiteout conditions as localized ground blizzards developed.



# Storm Data and Unusual Weather Phenomena

April 1997

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

## COLORADO, Central and Northeast

**COZ035 Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins**  
 25 1700MST 0 0 0 Heavy Snow  
 26 0500MST  
 Snow continued to fall over portions of the northeast foothills. Ward picked up 8 additional inches of snowfall overnight.

**COZ033>034 Rabbit Ears & Medicine Bow Ranges/Rocky Mountain National Park - Summit County/Mosquito Range/Indian Peaks**  
 29 0500MST 0 0 0 Winter Storm  
 1700MST  
 Another fast moving upper level disturbance brought a period of heavy snow to the mountains. Strong winds from 20 to 40 mph were common with even stronger gusts over the higher mountain passes. Breckenridge received 8 inches of snow with 6 inches reported at Arapahoe Basin and Loveland Ski Area.

## COLORADO, East Central

**Yuma County**  
 11 N Eckley 01 2359MST 0 0 Hail (1.00)

**COZ090>092 Yuma County - Kit Carson County - Cheyenne County**  
 09 0600MST 0 0 Extreme Cold  
 13 0700MST  
 Record cold with low temperatures in the single digits and highs below freezing was accompanied by freezing drizzle and light snow. It was the coldest for so late in the season. Schools were closed for 1 to 2 days due to icy conditions. Many vehicle accidents occurred.

## COLORADO, South Central and Southeast

**COZ060>061-065-067>070-072 La Garita Mountains - Eastern San Juan Mountains - Northern Sangre De Cristo Mountains - Teller County/Rampart Range/Pikes Peak - Western Fremont And Northern Custer Counties - Upper Arkansas River Valley/Salida And Vicinity - Wet Mountains - Northern El Paso County/Monument Ridge**  
 01 0030MST 0 0 Winter Storm  
 05 1200MST  
 A slow moving winter storm brought periods of heavy snow to mainly the higher elevations of southern Colorado from the 1st through the 5th. Parts of the Eastern San Juan and La Garita Mountains received between one and two feet of snow. Eight to 15 inches of snow fell in parts of Chaffee, western Fremont and northern Custer counties, including the northern Sangre de Cristo Mountains. Six to 8 inches fell in parts of the Wet Mountains, Teller county, and northern and western El Paso county. The lower elevations adjacent to and near the mountains received from one to four inches of new snow.

**COZ062-065>066-068-070-074>075 Northern San Luis Valley/Del Norte And Vicinity - Northern Sangre De Cristo Mountains - Southern Sangre De Cristo Mountains - Western Fremont And Northern Custer Counties - Wet Mountains - Upper Huerfano River Basin/Walsenburg And Vicinity - Upper Purgatoire River Basin/Trinidad And Vicinity**  
 10 1000MST 0 0 Heavy Snow  
 11 0800MST  
 A weather disturbance brought periods of snow to south central and southeast Colorado. Hardest hit were the Sangre de Cristo Mountains, Wet Mountains and adjacent plains, and western Fremont and Custer counties. Four to 6 inches of snow blanketed parts of the northern San Luis Valley. Six to 8 inches of snow fell along the Arkansas River west of Canon City. Seven to 10 inches piled up in the Wet Mountains, and in the Trinidad and Walsenburg areas. Around 15 inches fell around Cuchara, in the high country of the southern Sangre de Cristo Mountains. The rest of south central and southeast Colorado generally receive from 1 to 4 inches of new snow.

**COZ060>061-065>072 La Garita Mountains - Eastern San Juan Mountains - Northern Sangre De Cristo Mountains - Southern Sangre De Cristo Mountains - Teller County/Rampart Range/Pikes Peak - Western Fremont And Northern Custer Counties - Upper Arkansas River Valley/Salida And Vicinity - Wet Mountains - Southern El Paso County/Colorado Springs And Vicinity - Northern El Paso County/Monument Ridge**  
 23 2000MST 0 0 Winter Storm  
 25 1400MST  
 A very strong winter storm moved through southern Colorado from the evening of the 23rd through the morning of the 25th. Six to 12 inches of snow fell in parts of the eastern San Juan and La Garita Mountains. A more persistent snowfall pattern set up over the eastern mountains and adjacent plains. Heavy rain fell through most of the night on the eastern plains and then turned to heavy snow in the early morning hours of the 24th. Periods of heavy snow fell in the higher elevations from the 23rd through the 25th. One to three feet of snow fell in the eastern mountains and adjacent plains. The Sangre de Cristos saw one to two feet of snow. The Wet Mountains had two to two and a half feet of snow. Higher terrain around Canon City had two feet of snow. Heavy snow began before dawn in El Paso and Teller counties. By the morning of the 25th, two to three feet of snow had fallen in and near the mountains. One foot of snow fell in the adjacent plains from El Paso county south to near Trinidad. The three foot snows occurred in Ute Pass, at Green Mountain Falls and Cascade in El Paso county. Two feet of snow fell at Cripple Creek, Woodland Park in Teller county, and Monument, Palmer Lake, Manitou Springs, and the extreme western side of Colorado Springs in El Paso county.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## COLORADO, South Central and Southeast

Thousands of trees were uprooted or limbs were broken off by the very heavy wet snow. Approximately 20,000 households were without power, some for around a week. There were numerous traffic accidents. School was canceled for two days in Colorado Springs and surrounding communities. Many government and private offices closed both the 24th and 25th. A water pump failed in Green Mountain Falls, leaving one third of the residents without water into the 25th.

## COLORADO, West

### Archuleta County

<b>Pagosa Spgs to 25 SE Pagosa Spgs</b>	<b>28</b>	<b>1200MST 1220MST</b>		<b>1</b>	<b>1</b>	<b>5K</b>	<b>Thunderstorm Wind (G65)</b>
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Strong thunderstorm outflow winds entered the west side of Pagosa Springs and blew down two large billboards as well as six pine trees which were about 80 feet tall and over two feet in diameter. As the winds advanced, construction scaffolding near downtown Pagosa Springs was toppled, fatally crushing one worker and injuring another. Further east in Pagosa Springs, a metal walkway roof was ripped off a building. The same outflow winds continued at least 25 miles southeast to a recent airplane crash site near the continental divide where rescue workers had to take shelter from wind-blown tree branches and pebbles. M400T

### Routt County

<b>1 S Steamboat Spgs</b>	<b>02</b>	<b>1000MST 1015MST</b>		<b>0</b>	<b>0</b>		<b>Dry Microburst</b>
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Several microbursts struck a snow-covered meadow about a mile south of Steamboat Springs, near the western border of Steamboat Ski Area. Huge plumes of snow shot hundreds of feet upward in a swirling motion. Some nearby mature Blue Spruce and Douglas Fir trees were damaged.

### Archuleta County

<b>7 SE Pagosa Spgs to 8 ESE Pagosa Spgs</b>	<b>24</b>	<b>0630MST 0640MST</b>		<b>0</b>	<b>0</b>	<b>4.5K</b>	<b>Thunderstorm Wind (G75)</b>
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Thunderstorm outflow winds blew down over a hundred large Aspen trees and downed power lines along a three-mile section of county road 326. The trees were generally 2 to 3 feet in diameter.

### COZ003>005-009>010-012-017>019

<b>Roan And Tavaputs Plateaus - Elkhead And Park Mountains/Flat Tops/White River Plateau - Upper Yampa River Basin/Steamboat Springs And Vicinity - Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - West Elk And Sawatch Mountains/Taylor Park - Uncompahgre Plateau - Northwestern San Juan Mountains - Southwestern San Juan Mountains</b>	<b>01</b>	<b>0000MST 0800MST</b>		<b>0</b>	<b>0</b>		<b>Winter Storm</b>
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A Pacific trough intensified as it moved into the region, producing 6 to 12 inches of snow in the mountains of western Colorado. Strong gusty winds in many areas resulted in blowing and drifting snow. Gusts to 55 mph were recorded above Marble in northern Gunnison County.

### COZ002>007-009-011-017-020

<b>Central Yampa River Basin/Craig-Hayden And Vicinity - Roan And Tavaputs Plateaus - Elkhead And Park Mountains/Flat Tops/White River Plateau - Upper Yampa River Basin/Steamboat Springs And Vicinity - Grand Valley/Grand Junction And Vicinity - Debeque Rifle Glenwood Springs Corridor - Grand And Battlement Mesas - Central Gunnison And Uncompahgre River Basin/Montrose And Vicinity - Uncompahgre Plateau - Paradox Valley/Lower Dolores River</b>	<b>01</b>	<b>1400MST</b>		<b>0</b>	<b>0</b>		<b>Heavy Snow</b>
	<b>02</b>	<b>0500MST</b>					

As an upper low over the Great Basin dropped southward, another surge of moisture produced heavy snow over west-central and northwest Colorado. Amounts generally ranged from 4 to 8 inches in the valleys and 6 to 10 inches in the mountains. Some exceptions included the Paradox area with 10 to 12 inches, the northern Uncompahgre Plateau with 11 inches, and Bedrock with 9 inches.

### COZ018>019-021>022

<b>Northwestern San Juan Mountains - Southwestern San Juan Mountains - Four Corners/Upper Dolores River/Cortez And Vicinity - Animas River Basin/Durango And Vicinity</b>	<b>04</b>	<b>0100MST 1700MST</b>		<b>0</b>	<b>0</b>		<b>Heavy Snow</b>
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A moist upper low moved northeast across southwest Colorado, generally producing 6 to 12 inches of snow in the western San Juan Mountains and 4 to 8 inches of snow in the lower elevations of extreme southwest Colorado. Some heavier amounts included 18 inches in the mountains northwest of Durango, 12 to 16 inches in the Mancos area, 14 inches on Red Mountain Pass, and 13 inches at Mesa Verde National Park. The heavy snow resulted in downed power lines in some areas.

### COZ002-004>005-010-015

<b>Central Yampa River Basin/Craig-Hayden And Vicinity - Elkhead And Park Mountains/Flat Tops/White River Plateau - Upper Yampa River Basin/Steamboat Springs And Vicinity - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - Leadville And Vicinity</b>	<b>04</b>	<b>1400MST</b>		<b>0</b>	<b>0</b>		<b>Heavy Snow</b>
	<b>05</b>	<b>0500MST</b>					

An upper low moving across the area from the southwest provided favorable conditions for heavy snowfall over portions of northwest Colorado. Accumulations generally ranged from 4 to 8 inches, with up to 12 inches at some mountain locations.



# Storm Data and Unusual Weather Phenomena

April 1997

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

## COLORADO, West

**COZ006-011 Grand Valley/Grand Junction And Vicinity - Central Gunnison And Uncompahgre River Basin/Montrose And Vicinity**

12	0300MST 0700MST								9M Freeze
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This was the last of several nights where temperatures dropped below critical levels for most fruit varieties in western Colorado. The majority of stone fruits were destroyed, while most apples and pears survived.

**COZ002>005-010-012-018>019 Central Yampa River Basin/Craig-Hayden And Vicinity - Roan And Tavaputs Plateaus - Elkhead And Park Mountains/Flat Tops/White River Plateau - Upper Yampa River Basin/Steamboat Springs And Vicinity - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - West Elk And Sawatch Mountains/Taylor Park - Northwestern San Juan Mountains - Southwestern San Juan Mountains**

09	0500MST 2100MST								Winter Storm
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A Pacific trough moved into the area and generally produced 5 to 10 inches of snow along with strong gusty winds in the northwest valleys and most mountain areas of western Colorado. The heaviest reported snowfall totals included 12 inches at Steamboat Ski Area as well as 12 inches at Pyramid.

**COZ002-004>005-010-015-018 Central Yampa River Basin/Craig-Hayden And Vicinity - Elkhead And Park Mountains/Flat Tops/White River Plateau - Upper Yampa River Basin/Steamboat Springs And Vicinity - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - Leadville And Vicinity - Northwestern San Juan Mountains**

10 11	1200MST 0500MST								Heavy Snow
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A Pacific trough moving over the area produced 5 to 9 inches of new snow over some mountain areas as well as some northern valleys of western Colorado.

## CONNECTICUT, Northeast

**CTZ002>004 Hartford - Tolland - Windham**

01	0000EST 0900EST								1M Heavy Snow
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**CTZ002>004 Hartford - Tolland - Windham**

01	0000EST 0900EST								Strong Wind
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A low pressure system which formed off the New Jersey coast during the early morning hours of March 31st intensified rapidly as it moved to a position 60 miles south of Newport, Rhode Island. This system retreated to the south during the early morning hours of April 1st, pulling in cold air from the north. The center then moved slowly eastward.

Heavy snow and strong winds produced near-blizzard conditions across the area during the early morning hours of April 1st. Snowfall totals of 12 to 21 inches were reported. Some totals included: Putnam, 21 inches; Union, 18.5 inches; and Mansfield, 16 inches. About 98,000 electric customers lost power statewide when the heavy, wet snow knocked down tree limbs and power lines. Most of the estimated dollar damage was from snow removal and restoration of power/removal of debris.

**CTZ002 Hartford**

08 11	0700EST 1000EST								Flood
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Minor flooding occurred along the Connecticut River in Hartford as a result of the meltdown of record snowfall from the "Blizzard of '97" which occurred on March 31st-April 1st. A snow accumulation of 2 to 3 feet melted rapidly during the following days. By April 8th, the Connecticut River reached flood stage of 16 feet at Hartford at 9 AM and later reached a crest of 18.2 feet at 4 AM on April 10th. The river dropped below flood stage at 11 AM on the 11th. No significant damage was reported.

**CTZ002 Hartford**

20 23	1600EST 2200EST								Flood
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Minor flooding occurred along the Connecticut River in Hartford from April 20th through the 23rd. The river reached flood stage of 16 feet at Hartford at 5 PM on the 20th and crested at 17.1 feet at 6 PM on the 21st. It then fell below flood stage at 11 PM on the 23rd. No significant damage was reported.

## CONNECTICUT, Northwest

**CTZ001 Litchfield**

01	0000EST 0600EST								Winter Storm
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On March 31 and April 1, a classic late season nor'easter tracked from the Chesapeake Bay area northeast to central coastal New Jersey then slowly out to sea. This system produced rain across Litchfield County during the morning hours of March 31. The rain changed to heavy wet snow by early afternoon. Snowfall amounts were highly elevation dependent, with up to two feet of snow reported in the Litchfield Hills. Some specific snowfall totals included: 21 inches at Norfolk, 19 inches at Bakersville, 15 inches at Winchester and 12 inches at Litchfield. The wet snow brought down many trees and power lines causing widespread power outages.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## CONNECTICUT, Northwest

and road closures. Approximately 30,000 customers lost power. Some areas remained without power for several days. Power outages were most widespread in the Towns of Cornwall and Goshen. More than 150 residences needed the utility line from the pole to the house replaced. Across the county, 6 utility poles and 16 transformers had to be replaced along with 80,000 feet of primary power line. See the March 1997 Storm Data report for damage amounts.

## CONNECTICUT, Southern

<b>CTZ005&gt;008-011</b>	<b>Northern Fairfield - Northern New Haven - Northern Middlesex - Northern New London - Southern Middlesex</b>				
	<b>01 0000EST</b>	<b>0</b>	<b>0</b>		<b>Winter Storm</b>
	<b>1200EST</b>				

An intense low pressure system developed off the DELMARVA Coast during Monday morning. It moved slowly east-northeast, passing south of Long Island Monday afternoon and southeast of Cape Cod, MA during Tuesday morning, April 1st.

Rain developed late Monday morning. It changed to heavy wet snow during the late afternoon. By the times indicated above, at least 7 inches of snow had fallen. Strong gusty winds (to at least 40 mph) combined with heavy wet snow caused numerous trees and power lines to fall. Some roads were closed due to fallen trees and power lines.

Here are selected snowfall amounts for:

Northern New Haven County: from 9 inches at Beacon Falls to 13 inches at Meriden.

Northern Fairfield County: 13.2 inches at Danbury.

Northern New London County: 8 inches at Colchester.

Southern Middlesex County: 8 inches at Old Saybrook.

Northern Middlesex County: 7.5 inches at Haddam.

## DELAWARE

<b>DEZ001&gt;004</b>	<b>New Castle - Kent - Inland Sussex - Delaware Beaches</b>				
	<b>09 0100EST</b>	<b>0</b>	<b>0</b>		<b>Unseasonably Cold</b>
	<b>11 0800EST</b>				

An unseasonably cold air mass from Canada moved across the Delmarva Peninsula from April 9th through the 11th. A cold front moved through the region during the night of the 8th and ushered in this unseasonably cold air mass. The high pressure system at the center of it reached the Great Lakes the morning of the 10th and the Middle Atlantic Coast the morning of the 11th. Southwest winds around this high then modified the air mass and returned temperatures closer to seasonal levels. Low temperatures those three mornings were below the freezing mark in most areas. Unseasonably warm weather for most of late February and March preceding this cold spell had plants blooming ahead of schedule and some of the vegetation susceptible to the cold was damaged. The coldest morning was the 10th. Low temperatures that morning included 22F in Georgetown, 24F in Odessa, 26F at the New Castle County Airport, 28F in Bridgeville, 30F in Camden, 31F in Pennyhill and 32F in Lewes.

<b>DEZ001</b>	<b>New Castle</b>				
	<b>01 0000EST</b>	<b>0</b>	<b>0</b>		<b>Heavy Snow</b>
	<b>0600EST</b>				

<b>DEZ001&gt;002</b>	<b>New Castle - Kent</b>				
	<b>01 0000EST</b>	<b>0</b>	<b>0</b>		<b>Wind</b>
	<b>1900EST</b>				

<b>DEZ003&gt;004</b>	<b>Inland Sussex - Delaware Beaches</b>				
	<b>01 0000EST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>High Wind (G50)</b>
	<b>1900EST</b>				

A late season snowstorm dropped some of the heaviest snow of all winter in northwestern parts of New Castle County from the afternoon on March 31st into the morning of April 1st. The low pressure system responsible for this looked rather innocuous on March 30th as it moved with its associated cold front through the Midwest. Temperatures that day (Easter Sunday) warmed into the 70s across most of Delaware. But as the low intensified off the New Jersey Coast on March 31st, it pulled down colder air. The heavy precipitation it created also cooled the atmosphere and changed the rain over to snow at times of heavier precipitation bursts in the northern half of the state from the afternoon of March 31st into the early morning of April 1st. These bands of heavier snow moved through the Middle Atlantic States and caused wide variations in accumulations that were both location (underneath these bands) and elevation dependent. One such band affected the northwest part of New Castle County where accumulations exceeded five inches. Less snow (3 to 4 inches on average) accumulated farther southeast including the city of Wilmington.

Strong northwest winds on both March 31st and April 1st caused some blowing and drifting of the snow in northwest New Castle County. In addition, the weight of the heavy, wet snow tore down tree limbs and produced scattered power outages. Very little

# Storm Data and Unusual Weather Phenomena

April 1997

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

## DELAWARE

snow accumulated farther south in Delaware, but gusty northwest winds that circulated around the low pressure system buffeted the state for two days. The peak wind gust at the New Castle County Airport was 43 mph, but stronger gusts occurred farther south. A wind gust of 58 mph was recorded by the Cape May/Lewes Ferry. The strong winds also pulled down power lines and caused scattered outages in Sussex County and isolated outages in Kent County. The very strong winds also forced the Cape May/Lewes Ferry to reduce their number of trips across Delaware Bay.

## DISTRICT OF COLUMBIA

NONE REPORTED.

## FLORIDA, East Central

### Lake County

#### Fruitland Park

23	0910EST								
				0	0	30K			<b>Thunderstorm Wind</b>

Severe thunderstorm winds blew down trees and severely damaged the roof of a house.

### Volusia County

#### Pierson

23	0915EST	0.3	30						
				0	0	60K			<b>Tornado (F0)</b>

A small tornado touched down briefly in the vicinity of Pierson. Numerous trees were blown down with at least one falling on a house. The roof of a saw mill was destroyed.

### Lake County

#### Tavares

23	0920EST	0.3	30						
				0	0	150K			<b>Tornado (F0)</b>

A small tornado touched down briefly in the town of Tavares blowing down trees and power lines and damaging 25 homes and mobile homes.

### Volusia County

#### Deltona

23	0930EST								
				0	0				<b>Thunderstorm Wind</b>

Thunderstorm winds blew down trees near Interstate Highway 4 in Deltona.

### Volusia County

#### De Land

23	0938EST								
				0	0				<b>Thunderstorm Wind</b>

Thunderstorm wind blew down numerous large tree branches in De Land.

### Volusia County

#### Daytona Beach

23	0940EST								
				0	0				<b>Thunderstorm Wind</b>

Thunderstorm winds blew down trees and power lines near Interstate Highway 4 in Daytona Beach.

### Volusia County

#### Port Orange

23	0944EST	1.2	30						
				0	0	120K			<b>Tornado (F0)</b>

A small tornado touched down in the fly-in community of Spruce Creek overturning one single engine aircraft, destroying a pool enclosure and blowing down about a dozen trees.

### Lake County

#### Mt Dora

23	0945EST								
				0	0	10K			<b>Thunderstorm Wind</b>

Thunderstorm winds blew down trees and power lines and overturned a tractor trailer truck in Mt. Dora.

### Seminole County

#### Altamonte Spgs

23	0945EST								
				0	0				<b>Thunderstorm Wind</b>

Thunderstorm winds blew down trees in Altamonte Springs and Forest City.



# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>FLORIDA, East Central</b>									
<b>Brevard County</b> Melbourne Beach	23	1225EST			0	0			Thunderstorm Wind
					Thunderstorm winds blew down power lines in South Melbourne Beach.				
<b>Osceola County</b> Kenansville	23	1230EST			0	0			Hail (1.00)
					Quarter size hail fell in Kenansville.				
<b>Orange County</b> Orlando	28	1245EST			0	0	60K		Thunderstorm Wind
					Numerous trees and power lines were blown down in Maitland. Three houses were damaged by falling trees.				
<b>Osceola County</b> Kissimmee	28	1245EST			0	0			Thunderstorm Wind
					Thunderstorm winds blew down trees and power lines in Kissimmee.				
<b>Seminole County</b> Longwood	28	1255EST			0	0	40K		Thunderstorm Wind
					Thunderstorm winds blew down trees and damaged the roof of a high school in Longwood.				
<b>Orange County</b> Bithlo	28	1300EST			0	0			Thunderstorm Wind
					Thunderstorm winds blew down trees in Bithlo.				
<b>Volusia County</b> New Smyrna Beach	28	1329EST			0	0			Thunderstorm Wind
					Thunderstorm winds blew down trees and produced a wind gust to near 67 mph in New Smyrna Beach.				
<b>Seminole County</b> Oviedo	28	1330EST			0	0	40K		Thunderstorm Wind
					Thunderstorm winds blew down a large tree and damaged a school in Oviedo.				
<b>Brevard County</b> Cape Canaveral	28	1335EST			0	0			Thunderstorm Wind (G50)
					A thunderstorm wind gust of 58 mph was recorded at Cape Canaveral Air Force Station.				
<b>Okeechobee County</b> 10 N Okeechobee	13	1453EST			0	0	25K		Thunderstorm Wind
					Thunderstorm winds blew down trees and damaged the roof of a mobile home and a barn.				
<b>Volusia County</b> New Smyrna Beach	23	0820EST			0	0			Hail (0.75)
					Nickel size hail was reported at the Ponce Inlet Coast Guard Station.				
<b>Volusia County</b> New Smyrna Beach	23	0830EST	0.1	20	0	0			Tornado (F0)
					A small tornado was observed swirling in the sand on the beach near the Ponce Inlet Coast Guard Station. It then moved over the near shore waters and became a large waterspout.				
<b>Lake County</b> Fruitland Park	23	0910EST			0	0	30K		Thunderstorm Wind
					Severe thunderstorm winds blew down trees and severely damaged the roof of a house.				
<b>Volusia County</b> Pierson	23	0915EST	0.3	30	0	0	60K		Tornado (F0)
					A small tornado touched down briefly in the vicinity of Pierson. Numerous trees were blown down with at least one falling on a house. The roof of a saw mill was destroyed.				
<b>Lake County</b> Tavares	23	0920EST	0.3	30	0	0	150K		Tornado (F0)
					A small tornado touched down briefly in the town of Tavares blowing down trees and power lines and damaging 25 homes and mobile homes.				
<b>Volusia County</b> Deltona	23	0930EST			0	0			Thunderstorm Wind
					Thunderstorm winds blew down trees near Interstate Highway 4 in Deltona.				
<b>Volusia County</b> De Land	23	0938EST			0	0			Thunderstorm Wind
					Thunderstorm wind blew down numerous large tree branches in De Land.				

# Storm Data and Unusual Weather Phenomena

April 1997

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

## FLORIDA, East Central

<b>Volusia County</b> Daytona Beach	23	0940EST			0	0			<b>Thunderstorm Wind</b> Thunderstorm winds blew down trees and power lines near Interstate Highway 4 in Daytona Beach.
<b>Volusia County</b> Port Orange	23	0944EST	1.2	30	0	0	120K		<b>Tornado (F0)</b> A small tornado touched down in the fly-in community of Spruce Creek overturning one single engine aircraft, destroying a pool enclosure and blowing down about a dozen trees.
<b>Lake County</b> Mt Dora	23	0945EST			0	0	10K		<b>Thunderstorm Wind</b> Thunderstorm winds blew down trees and power lines and overturned a tractor trailer truck in Mt. Dora.
<b>Seminole County</b> Altamonte Spgs	23	0945EST			0	0			<b>Thunderstorm Wind</b> Thunderstorm winds blew down trees in Altamonte Springs and Forest City.
<b>Orange County</b> Orlando	23	0950EST			0	0			<b>Thunderstorm Wind (G50)</b> Thunderstorm winds produced wind gusts to 58 mph at Orlando International Airport.
<b>Seminole County</b> Forest City	23	0950EST			0	0			<b>Hail (0.88)</b> Nickel size hail fell at Forest City.
<b>Volusia County</b> New Smyrna Beach	23	0950EST 0957EST	3	30	0	0	250K		<b>Tornado (F0)</b> A small tornado moving rapidly to the east touched down briefly in the northern part of New Smyrna Beach just west of US Highway 1, blowing down dozens of trees and damaging 20 homes. The tornado continued east crossing the Intracoastal Waterway and then passed over the barrier island just south of the Ponce Inlet Coast Guard Station. Again the tornado blew down small trees and produced minor damage to 18 homes.
<b>Volusia County</b> Ormond Beach	23	1005EST			0	0			<b>Hail (0.88)</b> Nickel size hail fell in Ormond Beach.
<b>Orange County</b> Winter Park	23	1030EST			0	0			<b>Thunderstorm Wind</b> Strong thunderstorm winds blew down trees, some of which damaged homes in the area.
<b>Brevard County</b> Cocoa	23	1134EST			0	0			<b>Funnel Cloud</b> A funnel cloud was sighted over Cocoa.
<b>Brevard County</b> Grant	23	1144EST			0	0			<b>Thunderstorm Wind</b> Thunderstorm winds blew down tree branches and power lines in Grant.
<b>Brevard County</b> Indialantic	23	1149EST			0	0	10K		<b>Thunderstorm Wind</b> Thunderstorm winds blew down trees and damaged the roof of a school in Indialantic.
<b>Osceola County</b> Kissimmee	23	1149EST			0	0	25K		<b>Thunderstorm Wind</b> Strong thunderstorm winds blew trees on to a mobile home, and destroyed a service station canopy.
<b>Brevard County</b> Melbourne	23	1150EST			0	0			<b>Thunderstorm Wind (G55)</b> Thunderstorms produced a wind gust to 66 mph at the Melbourne Regional Airport.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>FLORIDA, East Central</b>									
<b>Brevard County</b>									
Rockledge	23	1151EST			0	0			Thunderstorm Wind
									Power lines were blown down in Rockledge.
<b>Indian River County</b>									
Sebastian	23	1205EST			0	0	5K		Thunderstorm Wind
									Thunderstorm winds blew down limbs and destroyed a pool screen in Sebastian.
<b>Brevard County</b>									
Satellite Beach	23	1210EST			0	0	10K		Thunderstorm Wind
									Thunderstorm wind blew down power lines and damaged the roof of a house.
<b>Brevard County</b>									
Palm Bay	23	1215EST			0	0			Thunderstorm Wind
									Thunderstorm winds blew down trees in Melbourne and Palm Bay.
<b>Osceola County</b>									
Kenansville	23	1215EST			0	0			Thunderstorm Wind
									Osceola County reported a wind gust to 62 mph and trees down in Kenansville.
<b>Brevard County</b>									
Melbourne Beach	23	1225EST			0	0			Thunderstorm Wind
									Thunderstorm winds blew down power lines in South Melbourne Beach.
<b>Osceola County</b>									
Kenansville	23	1230EST			0	0			Hail (1.00)
									Quarter size hail fell in Kenansville.
<b>Orange County</b>									
Orlando	28	1245EST			0	0	60K		Thunderstorm Wind
									Numerous trees and power lines were blown down in Maitland. Three houses were damaged by falling trees.
<b>Osceola County</b>									
Kissimmee	28	1245EST			0	0			Thunderstorm Wind
									Thunderstorm winds blew down trees and power lines in Kissimmee.
<b>Seminole County</b>									
Longwood	28	1255EST			0	0	40K		Thunderstorm Wind
									Thunderstorm winds blew down trees and damaged the roof of a high school in Longwood.
<b>Orange County</b>									
Bithlo	28	1300EST			0	0			Thunderstorm Wind
									Thunderstorm winds blew down trees in Bithlo.
<b>Volusia County</b>									
New Smyrna Beach	28	1329EST			0	0			Thunderstorm Wind
									Thunderstorm winds blew down trees and produced a wind gust to near 67 mph in New Smyrna Beach.
<b>Seminole County</b>									
Oviedo	28	1330EST			0	0	40K		Thunderstorm Wind
									Thunderstorm winds blew down a large tree and damaged a school in Oviedo.
<b>Brevard County</b>									
Cape Canaveral	28	1335EST			0	0			Thunderstorm Wind (G50)
									A thunderstorm wind gust of 58 mph was recorded at Cape Canaveral Air Force Station.
<b>Okeechobee County</b>									
10 N Okeechobee	13	1453EST			0	0	25K		Thunderstorm Wind
									Thunderstorm winds blew down trees and damaged the roof of a mobile home and a barn.
<b>Volusia County</b>									
New Smyrna Beach	23	0820EST			0	0			Hail (0.75)
									Nickel size hail was reported at the Ponce Inlet Coast Guard Station.
<b>Volusia County</b>									
New Smyrna Beach	23	0830EST	0.1	20	0	0			Tornado (F0)
									A small tornado was observed swirling in the sand on the beach near the Ponce Inlet Coast Guard Station. It then moved over the near shore waters and became a large waterspout.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>FLORIDA, Northeastern</b>									
<b>Alachua County</b> Gainesville	23	0743EST			0	0	5K		Thunderstorm Wind
			Large limbs and large trees were blown down.						
<b>Alachua County</b> 5 E Archer	23	0749EST			0	0			Hail (1.00)
<b>Alachua County</b> 5 E Archer to Archer	23	0749EST			0	0	1.5K		Thunderstorm Wind
			Large limbs blocked roads.						
<b>Alachua County</b> Gainesville	23	0900EST 1100EST			0	0	1.5K		Thunderstorm Wind
			Large limbs and debris block roadways.						
<b>Alachua County</b> Gainesville	23	1040EST			0	0			Hail (0.75)
<b>Clay County</b> Orange Park	23	0629EST			0	0			Hail (1.00)
<b>Suwannee County</b> Live Oak	23	0638EST			0	0	5K		Thunderstorm Wind
			Two farm buildings destroyed.						
<b>Clay County</b> Lake Geneva	23	0657EST			0	0	0.40K		Thunderstorm Wind
			Large trees were blown down.						
<b>Putnam County</b> Florahome	23	0657EST			0	0	1.5K		Thunderstorm Wind
			Large trees were blown down along School Bus and Tanner Road.						
<b>Marion County</b> Ocala	23	0858EST			0	0	6K		Thunderstorm Wind
			Large trees were blown down... one fell on a mobile home at 4051 SE 22nd Avenue, three residents were trapped for a short period of time.						
<b>Marion County</b> Ocala	23	0925EST			0	0	5K		Thunderstorm Wind
			Large trees and power lines were blown down. A home in Tradewinds RV Park was damaged.						
<b>Alachua County</b> Waldo	23	0727EST			0	0	1K		Thunderstorm Wind
			Large trees were blown down.						
<b>Bradford County</b> Starke	23	0730EST			0	0	0.50K		Thunderstorm Wind
			Large trees were blown down on the South end of Geneva Estates.						
<b>Alachua County</b> Gainesville	23	0743EST 0900EST			0	0	2K		Flood
			Considerable flooding blocked streets.						
<b>Flagler County</b> Bunnell	23	0900EST			0	0	0.20K		Thunderstorm Wind
			Large trees were blown.						
<b>Putnam County</b> Palatka	23	0908EST			0	0	1K		Flood
			Flooding closed SR-20 and US-17.						
<b>Alachua County</b> Gainesville	23	1041EST			0	0			Hail (0.75)
<b>Nassau County</b> Callahan	23	0410EST 0415EST			0	0	1.5K		Thunderstorm Wind
			Large trees and power lines were blown down.						
<b>Duval County</b> Arlington to Ft Caroline Shrs	23	0515EST 0530EST			0	0	15K		Thunderstorm Wind
			Large trees and power lines were blown down...trees fell on two homes in Arlington.						



# Storm Data and Unusual Weather Phenomena

April 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>FLORIDA, Northeastern</u></b>									
<b>Duval County</b> Arlington	23	0615EST			0	0	25K		Thunderstorm Wind
		Large tree damaged a house.							
<b>Duval County</b> Jacksonville	23	0616EST 0716EST			0	0	5K		Thunderstorm Wind
		Large trees were blown down across Picketville Road							
<b>Alachua County</b> Archer	22	0210EST			0	0			Hail (0.75)
<b>Alachua County</b> Gainesville	28	0745EST			0	0	1K		Thunderstorm Wind
		Large limbs and trees were blown down.							
<b>Alachua County</b> 1 S High Spgs to Gainesville	28	0810EST			0	0	50K		Thunderstorm Wind
		Thunderstorm winds ripped the roof off a home. Winds also damaged several homes and toppled a truck on I-75.							
<b>Union County</b> Lake Butler	28	0908EST			0	0	8K		Thunderstorm Wind
		Large trees and power lines were blown down. One vehicle was also damaged.							
<b>Alachua County</b> Gainesville	28	0942EST			0	0	15K		Thunderstorm Wind
		Numerous reports of large trees and power lines blown down. A mobile home located at 12308 SR-45 was also destroyed.							
<b>Alachua County</b> Gainesville	28	1015EST			0	0	0.50K		Thunderstorm Wind
		Large trees and power lines were blown down.							
<b>Nassau County</b> Yulee	28	1030EST			0	0	0.50K		Thunderstorm Wind
		Large trees were snapped off 30 feet above the ground.							
<b><u>FLORIDA, Northwest</u></b>									
<b>Gadsden County</b> 3 W Greensboro	12	1250EST			0	0	5K	0	Thunderstorm Wind
		A thunderstorm microburst damaged a shed and blew down several trees.							
<b>Lafayette County</b> Mayo	23	0545EST			0	0	5K		Thunderstorm Wind
		A thunderstorm moved across the Mayo area downing trees and power lines. A car was seriously damaged by a fallen tree.							
<b>Dixie County</b> Hines	23	0730EST			0	0	1K		Thunderstorm Wind
		A few trees and power lines were blown down.							
<b>Franklin County</b> 5 E East Pt	28	0556EST			0	0			Waterspout
		A waterspout was spotted between East Point and Carrabelle.							
<b><u>FLORIDA, Southern</u></b>									
<b>Palm Beach County</b> Juno Beach Park	05	1000EST 1030EST			0	0			Rip Currents
		49 YR OLD MALE RESCUED DURING RIP CURRENT EVENT. TAKEN TO LOCAL HOSPITAL, OBSERVED AND RELEASED.							
<b>Palm Beach County</b> 10Nm Se Boca Raton	09	1330EST 1340EST			0	0			Waterspout
<b>Monroe County</b> 5Nm N Eyw	10	1552EST 1605EST			0	0			Waterspout
		REPORTED BY NWS PERSONNEL							
<b>Collier County</b> 3Nm W Apf to Nr Keewayden Isle	12	0915EST 0930EST			0	0			Waterspout
		REPORTED BY APF TOWER.							

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>FLORIDA, Southern</b>									
<b>Broward County</b> 5Nm E Dania to 6Nm E Dania	12	1610EST 1620EST			0	0			Waterspout
<b>Broward County</b> 15Nm E Dania	14	1712EST 1720EST			0	0			Waterspout
<b>Dade County</b> 20Nm E Sunny Isles to Offshore Sunny Isles	12	1800EST 1820EST			0	0			Waterspout
THREE WATERSPOUTS SPOTTED WITH PARENT CLOUD.									
<b>Palm Beach County</b> Offshore Lake Worth	13	0657EST 0715EST			0	0			Waterspout
PILOT REPORTED.									
<b>Collier County</b> Pelican Marsh to Corkscrew Swamp	14	1405EST 1435EST	4	100	0	0	200K		Tornado (F0)
TORNADO MAY HAVE BEEN A WATERSPOUT THAT MOVED ONSHORE. AT 1405 PM COLLIER COUNTY SHERIFFS OFFICE REPORTED A TORNADO ON THE GROUND. INITIAL TOUCHDOWN 26.15.29 NORTH AND 81.46.11 WEST. THREE EYEWITNESSES REPORTED SEEING A ROTATING FUNNEL WHILE OTHERS, SOME WITHIN A COUPLE HUNDRED FEET, REPORTED NO FUNNEL BUT A WALL OF WIND STRIKING THEIR HOMES. TORNADO AND WIND DAMAGE FROM VICTORIA PARK TO PELICAN STRAND IN NORTH NAPLES. AT VICTORIA PARK DAMAGE WAS 100 YARDS WIDE IN A TWISTED DAMAGE PATTERN. AT FOUR SEASONS DAMAGE PATTERN WAS 300 YARDS WIDE MOSTLY IN A NORTHEAST DIRECTION. COLLIER COUNTY EMERGENCY MANAGEMENT OFFICIALS SAID 22 STRUCTURES RECIEVED MINOR DAMAGE. REGENT PARK...7 STRUCTURES...ROOF SHINGLES MISSING, TREES DOWN. BOCA PALMS...3 STRUCTURES...SCREEN DAMAGE. VICTORIA PARK...1 STRUCTURE...MINOR ROOF DAMAGE. FOUR SEASONS...4 SCREENED LANAIS...1 STORAGE SHED. PELICAN MARSH...LANDSCAPE DAMAGE. CRESCENT LAKES...2 MINOR ROOF DAMAGE...4 COLLAPSED SCREEN ENCLOSURES. AT 1414 PM SHERIFFS AGAIN REPORTED THE TORNADO ON THE GROUND NEAR IMMOKALEE ROAD AND I75. TORNADO LAST SEEN AT 1435 PM OVER CORKSCREW SWAMP.									
<b>Palm Beach County</b> Near Pbi	14	1450EST 1500EST			0	0			Funnel Cloud
<b>Collier County</b> Golden Gate	14	1455EST 1505EST			0	0			Funnel Cloud
<b>Hendry County</b> Moore Haven	25	1600EST 1620EST			0	0			Tstm Wind/Hail
A LARGE MESOCYCLONE OVER COLLIER COUNTY SPAWNED A SECOND MESOCYCLONE WHICH MOVED THROUGH HENDRY COUNTY TO GLADES COUNTY. EMERGENCY MANAGEMENT OFFICIAL REPORTED ONE INCH HAIL COVERED THE GROUND.									
<b>Dade County</b> Rural Nw Dade Co to South Miami	26	1340EST 1845EST			0	0	50K	50K	Tstm Wind/Hail
AT 1340 PM HIGH PRECIPITATION SUPERCELL DEVELOPED OVER DADE COUNTY IN RURAL AREAS WEST OF KROME AVE AND NORTH OF TAMIAMI TRAIL. AT 1355 PM ANOTHER HP SUPERCELL DEVELOPED SOUTH OF THE INITIAL CELL AND BEGAN TO MOVE TOWARD POPULATED AREAS OF DADE COUNTY. AT 1525 PM THE STORM WAS OVER KENDALL DRIVE AND THE FLORIDA TURNPIKE. AT 1625 PM THE SLOW MOVING STORM WAS CENTERED NEAR KENDALL DRIVE AND THE DON SHULA EXPRESSWAY. AT 1735 PM THE STORM WAS CENTERED NEAR KENDALL DRIVE AND US1 AND HAD BEGUN TO WEAKEN. BY 1845 PM THE STORM HAD LOST ITS SEVERE CHARACTERISTICS. 1530 PM KENDALL DR AND SW 136 AVE...HAIL .50 INCHES									

# Storm Data and Unusual Weather Phenomena

April 1997

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

## FLORIDA, Southern

1530 PM 160 ST AND 155 CT...ROOF DAMAGE  
 1545 PM KENDALL DR AND SW 130 AVE...8 INCH DIAMETER TREES DOWN  
 1620 PM KENDALL DR AND SW 117 AVE...HAIL 1.00 INCH  
 1625 PM KENDALL DR AND SW 100 AVE...63 KTS...HAIL .50 INCHES  
 PATIO FURNITURE AND FENCES DOWN  
 1630 PM 72 AVE AND SW 56 ST...HAIL .75 INCH  
 117 CT AND 32 TERR...HAIL 1.00 INCH  
 1637 PM KENDALL DR AND 142 AVE...HAIL 1.00 INCH  
 1642 PM KENDALL DR AND 142 AVE...HAIL 1.75 INCH  
 1727 PM KENDALL DR AND GALLOWAY...HAIL .88 INCH  
 1730 PM DADELAND AREA...HAIL .75 INCH...WIND G56 KTS  
 KENDALL AREA...HAIL 1.75 INCH  
 1730-1745 PM 104 ST AND SW 77 AVE...POSSIBLE TORNADO...WIND G63 KTS  
 SW 144 AVE AND US1...POSSIBLE TORNADO...WIND G63 KTS  
 NUMEROUS REPORTS OF TREES DOWN...POWER LINES DOWN AND STREET FLOODING.

### **Dade County**

#### **Kendell Dr Area**

<b>26</b>	<b>1600EST</b>			<b>0</b>	<b>0</b>				<b>Flash Flood</b>
	<b>2200EST</b>								

SLOW MOVING HP SUPERCELL OVER KENDALL AREA OF DADE COUNTY FROM 1500 PM TO 1845 PM. BY 1600 PM THREE INCHES OF RAIN FELL OVER AREA NEAR KENDALL DR AND DON SHULA EXPRESSWAY. BY 1845 PM APPROX TWELVE INCHES OF RAIN HAD FALLEN OVER THIS AREAS WITH WIDESPREAD AREAS OF 5 TO 10 INCHES OF RAIN. DAMAGE UNKNOWN. CANALS OVERFLOWED. WATER LEVELS ENTERED BUILDINGS AND NUMEROUS STALLED VEHICLES IN WATER.

## FLORIDA, West Central

### **Pinellas County**

#### **2 SW St Petersburg**

<b>07</b>	<b>1130EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Waterspout</b>
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A waterspout was observed off Cabbage Key.

### **Lee County**

#### **6 NE Ft Myers**

<b>12</b>	<b>0415EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>		<b>Tstm Wind (G45)</b>
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Thunderstorm wind of 45 to 50 mph blew over four to six poorly mounted gas tanks at a gas station and pushed over a boat dry-docked on a trailer near Bay Shoe Road and I-75.

### **Levy County**

#### **1 NW Chiefland**

<b>23</b>	<b>0710EST</b>	<b>1.2</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>		<b>Tornado (F0)</b>
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A short-lived tornado touched down near the intersection of State Road 320 and Willow Sink Road. The tornado snapped several large trees, damaged a couple of mobile homes and twisted a few roof top television antennas before it receded and dissipated.

### **Levy County**

#### **Chiefland to Cedar Key**

<b>23</b>	<b>0710EST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>		<b>Thunderstorm Wind</b>
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Thunderstorm winds downed numerous trees and power lines across western portions of Levy county.

### **Levy County**

#### **Bronson**

<b>23</b>	<b>0745EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>		<b>Thunderstorm Wind</b>
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Thunderstorm winds downed several large trees throughout Bronson.

### **Levy County**

#### **Williston**

<b>23</b>	<b>0815EST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>		<b>Thunderstorm Wind</b>
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Thunderstorm winds downed a large antenna and several power poles in Williston

### **Citrus County**

#### **Homosassa**

<b>23</b>	<b>0825EST</b>			<b>0</b>	<b>0</b>	<b>250K</b>	<b>0</b>		<b>Thunderstorm Wind</b>
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Thunderstorm winds caused minor to major roof damage to several mobile homes, downed numerous trees and power lines in Homosassa. A total of 33 buildings were damaged by thunderstorm winds in Homosassa with the most extensive damage near Cardinal Street in the southern portion of the city.

Ten to fifteen electrical poles were snapped in half, several mobile home porches and roofs were severely damaged and signs were downed by thunderstorm winds on and along Cardinal Street. The roofs of a restaurant and furniture store in Homosassa were also severely damaged by thunderstorm winds and flying debris.

### **Hernando County**

#### **4 NW Spring Hill**

<b>23</b>	<b>0828EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind (G56)</b>
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A Skywarn Spotter reported a 64 mph wind gust at Hernando Beach.



# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>FLORIDA, West Central</b>									
<b>Pinellas County</b> 7 NNE St Petersburg	23	1020EST			0	0	0	0	<b>Thunderstorm Wind (G55)</b> A thunderstorm wind gust of 63 mph was reported by WTSP-TV near U.S. Highway 92 (Gandy Bridge).
<b>Pinellas County</b> Clearwater to St Petersburg	23	1025EST			0	0	30K	0	<b>Thunderstorm Wind</b> Thunderstorm winds downed several trees and power lines from Clearwater east across the county to St Petersburg.
<b>Pasco County</b> 8 W Zephyrhills	23	1030EST			0	0	10K	0	<b>Thunderstorm Wind</b> Thunderstorm winds downed several large trees along State Road 54 in Wesley Chapel. Nearly 10,000 residents along the State Road 54 corridor from I-75 to Zephyrhills were without electricity from power lines downed by thunderstorm winds.
<b>Pinellas County</b> 11 ESE Clearwater	23	1038EST	0.1	5	0	0	0	0	<b>Tornado (F0)</b> A short-lived tornado touched down on I-275 (Howard Franklin Bridge) with no apparent damage.
<b>Polk County</b> Winter Haven	23	1100EST			0	0	50K	0	<b>Thunderstorm Wind</b> Thunderstorm winds damaged the door of a hanger at the Winter Haven Airport and downed numerous trees and power lines in the city of Winter Haven.
<b>Polk County</b> 9 E Lakeland	23	1110EST			0	0	25K	0	<b>Thunderstorm Wind</b> Thunderstorm winds severely damaged an aluminum roof of a barbershop on South Lake Shore Way near U.S. Highway 92 in Lake Alfred. Four mobile homes suffered moderate roof damage, crumpled carports and screened porches at the Cypress Greens and Lake Alfred Mobile Home Parks.
<b>Polk County</b> 9 E Lakeland	23	1110EST			0	0	0	0	<b>Hail (0.75)</b>
<b>Pinellas County</b> 7 SW St Petersburg	23	1113EST			0	0	12K	0	<b>Thunderstorm Wind</b> Thunderstorm winds of 60 to 70 mph caused wind blown debris to shatter the windows of twelve vehicles at St Petersburg Beach.
<b>Pinellas County</b> Pinellas Park	23	1119EST			0	0	0	0	<b>Hail (1.75)</b> Golfball sized hail was reported on 9th Avenue N. in Pinellas Park while dime sized hail was reported in Clearwater.
<b>Pinellas County</b> St Petersburg	23	1120EST			0	0	5K	0	<b>Thunderstorm Wind</b> Thunderstorm winds removed the overhang portion of a roof from a commercial bank.
<b>Polk County</b> 4 W Lakeland	23	1130EST			1	0	0	0	<b>Lightning</b> A 34 year old female was struck in the head, thrown three feet and killed instantly by lightning while standing outdoors in a field next to a steel fence near the intersection of exit 15 of I-4 and Swindell Street. Very light rain was falling at the time of the lightning strike shortly after a severe thunderstorm had moved through the area. F34OU
<b>Hillsborough County</b> 9 ENE Tampa	23	1140EST			0	0	0	0	<b>Hail (0.75)</b>
<b>Hillsborough County</b> 9 ENE Tampa	23	1140EST			0	0	0	0	<b>Thunderstorm Wind (G50)</b> A thunderstorm wind gust of 58 mph was recorded by a Skywarn Spotter in the town of Mango.
<b>Hillsborough County</b> Brandon	23	1145EST			0	0	5K	0	<b>Thunderstorm Wind</b> Thunderstorm winds downed a few trees, power lines and several large branches throughout the city of Brandon.
<b>Polk County</b> Winter Haven	23	1145EST			0	0	20K	0	<b>Thunderstorm Wind</b> Thunderstorm winds damaged a commercial building and downed several large trees in Winter Haven.
<b>Pinellas County</b> St Petersburg	23	1150EST			0	0	0	0	<b>Hail (1.75)</b> A Skywarn Spotter reported golfball sized hail on 9th Avenue in St Petersburg.
<b>Polk County</b> Ft Meade	23	1155EST			0	0	5K	0	<b>Thunderstorm Wind</b> Thunderstorm winds downed several trees and power lines along U.S. Highway 41.
<b>Polk County</b> Mulberry	23	1158EST			0	0	0	0	<b>Hail (0.75)</b>

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>FLORIDA, West Central</b>									
<b>Polk County</b> 2 S Lakeland	23	1200EST			0	0	25K	0	<b>Thunderstorm Wind</b> Thunderstorm winds damaged carports, knocked over signs, downed trees and power lines over southern Lakeland.
<b>Polk County</b> Lakeland	23	1202EST			0	0	30K	0	<b>Lightning</b> Lightning ignited a fire in the attic of an 85 year old home on McDonald street in Lakeland. The fire consumed the northeast corner of the home's roof along with an upstairs room.
<b>Polk County</b> Lake Wales	23	1205EST			0	0	10K	0	<b>Thunderstorm Wind</b> Thunderstorm winds blew down the wall of an automobile dealership under construction.
<b>Polk County</b> Frostproof	23	1205EST			0	0	5K	0	<b>Thunderstorm Wind</b> Thunderstorm winds downed several trees and power lines along U.S. Highway Alternate 27.
<b>Manatee County</b> 9 WSW Bradenton	23	1210EST	0.1	5	0	0	60K	0	<b>Tornado (F0)</b> A short-lived tornado caused severe damage to the roofs of two homes, caused moderate damage to the roof of a motel and damaged two vehicles in Bradenton Beach. Numerous trees and power lines were also downed by the brief tornado.
<b>Pinellas County</b> St Petersburg Beach	23	1217EST			0	0	25K	0	<b>Thunderstorm Wind</b> Thunderstorm winds blew out the windows of several police cruisers.
<b>Sarasota County</b> 10 NW Sarasota to 4 W Sarasota	23	1220EST			0	0	0	0	<b>Urban/Sml Stream Fld</b> Very heavy rain caused localized street flooding on Longboat Key from Longboat Key Pass Bridge south to New Pass Bridge.
<b>Manatee County</b> Bradenton	23	1330EST 1340EST			0	0	100K	0	<b>Thunderstorm Wind</b> Thunderstorm winds blew out the windows of several homes and downed numerous trees and power lines throughout the city of Bradenton mainly west of the U.S. Highway 301 corridor. Several vehicles were also damaged from fallen trees, branches and wind blown debris in Bradenton. Nearly 40,000 Bradenton residents were without electrical power for up to eight hours after the storm passed.
<b>Manatee County</b> Anna Maria	23	1330EST			0	0	15K	0	<b>Thunderstorm Wind</b> Thunderstorm winds caused shingle damage to three to four houses.
<b>Sarasota County</b> Sarasota	23	1331EST			0	0	0	0	<b>Thunderstorm Wind (G52)</b> A thunderstorm wind gust of 60 mph was observed by an Automated Service Observing System (ASOS) at the Sarasota/Bradenton Airport.
<b>Sarasota County</b> 3 N Sarasota	23	1335EST			0	0	125K	0	<b>Thunderstorm Wind</b> Thunderstorm winds caused major damage to six mobile homes and minor to moderate damage to nine additional mobile homes in the Tri-Par Mobile Home Park. Numerous trees were also downed in the vicinity of the mobile home park.
<b>Highlands County</b> Avon Park	23	1400EST			0	0	0	0	<b>Thunderstorm Wind</b> Thunderstorm winds blew a shed off it's foundation.
<b>Sarasota County</b> 3 NNE Sarasota	23	1410EST	0.1	5	0	0	25K	0	<b>Tornado (F0)</b> A short-lived tornado touched down near the intersection of U.S. Highway 301 and University Parkway and caused major roof damage to three homes. Powerlines and signs were also blown down near U.S. Highway 41 and Myrtle Road.
<b>Sarasota County</b> 5 E Sarasota	23	1410EST			0	0	1K	0	<b>Thunderstorm Wind</b> Thunderstorm winds downed a few large trees near the intersection of Interstate 75 and Fruitville Road.
<b>Manatee County</b> Bradenton Beach	23	1415EST			0	0	35K	0	<b>Thunderstorm Wind</b> Thunderstorm winds caused major roof damage to two homes and three vehicles.
<b>Manatee County</b> Bradenton	23	1425EST			0	0	30K	0	<b>Thunderstorm Wind</b> Thunderstorm winds caused major roof damage to three homes, downed several power lines and trees in Bradenton.
<b>Sarasota County</b> 4 E Sarasota	23	1430EST			0	0	0	0	<b>Urban/Sml Stream Fld</b> Heavy rain of 2.41 inches in one hour caused urban street flooding up to a foot deep along Fruitville Road near I-75.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>FLORIDA, West Central</b>									
<b>Sarasota County</b>									
Sarasota	23	1445EST			0	0	150K	0	Thunderstorm Wind
									Thunderstorm winds severely damage the roofs of numerous homes throughout Sarasota.
<b>De Soto County</b>									
Arcadia	23	1455EST			0	0	2K	0	Thunderstorm Wind
									Thunderstorm winds downed a few trees and several large branches in Arcadia.
<b>Highlands County</b>									
Avon Park	23	1500EST			0	0	10K	0	Thunderstorm Wind
									Thunderstorm winds downed several large trees which damaged the roofs of a few homes in Avon Park.
<b>Hardee County</b>									
Wauchula	23	1500EST 1515EST			0	0	5K	0	Thunderstorm Wind
									Thunderstorm winds downed several large trees and a few power lines which caused minor roof damage to the roofs of homes and sheds throughout Wauchula.
<b>Sarasota County</b>									
26 SE Sarasota	23	1535EST			0	0	50K	0	Thunderstorm Wind
									Thunderstorm winds tore off the roof of a mobile home, caused major damage to several others and capsized a boat at the Harbor Cove mobile home park near the intersection of U.S. Highway 41 and County Road 777.
<b>Charlotte County</b>									
6 NE Punta Gorda	23	1545EST			0	0	10K	0	Thunderstorm Wind
									Thunderstorm winds tore off the roof of a mobile home on Swaying Palm Drive in Punta Gorda.
<b>Highlands County</b>									
Avon Park	23	1600EST			0	0	5K	0	Thunderstorm Wind
									Thunderstorm winds downed a few antennas, power lines and trees in Avon Park.
<b>De Soto County</b>									
Arcadia	23	1615EST			0	0	3K	0	Thunderstorm Wind
									Thunderstorm winds severely damaged a carport, downed a few trees and powerlines in Arcadia.
<b>Hardee County</b>									
2 S Wauchula	25	1835EST 1840EST			0	0	1K	0	Hail (1.75)
									Golfball to pea sized hail was reported by Hardee Emergency Management officials. One vehicle had it's windshield damaged by the large hail.
<b>Pinellas County</b>									
Seminole	26	0700EST 0845EST			0	0	0	0	Heavy Rain
									Heavy rain of six to seven inches fell in less than two hours over parts of western Pinellas county.
<b>Hillsborough County</b>									
Tampa	26	0742EST			0	0	0	0	Thunderstorm Wind
<b>Pasco County</b>									
Zephyrhills	26	0758EST			0	0	1K	0	Thunderstorm Wind
									Thunderstorm winds downed a couple of trees and numerous tree limbs in the city of Zephyrhills.
<b>Hillsborough County</b>									
Tampa	26	0800EST 0955EST			0	0	0	0	Heavy Rain
									Heavy rain of five to six inches fell in less than two hours over the Tampa metropolitan area and caused localized flooding on Dale Mabry Highway and Kennedy Boulevard in South Tampa.
<b>Manatee County</b>									
Bradenton	26	0800EST 1010EST			0	0	0	0	Heavy Rain
									Nearly six inches of heavy rain fell in Bradenton in two hours.
<b>Pinellas County</b>									
Treasure Is	26	0830EST			0	0	3K	0	Urban/Sml Stream Fld
									Heavy rain caused flooding of low-lying roads near the intersection of Gulf Blvd. and 107th Avenue.
<b>Manatee County</b>									
3 W Bradenton	26	0850EST 0915EST			0	0	0	0	Hail (1.00)
<b>Manatee County</b>									
Bradenton	26	0915EST 0925EST	1	5	0	0	2K	0	Tornado (F0)
									A short-lived tornado touched down south of De Soto Square Mall, lifted and moved east then touched down for a final time along the 1900 block of 27th Street.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## FLORIDA, West Central

### **FLZ055**

#### **Manatee**

<b>26</b>	<b>0930EST</b>				<b>0</b>	<b>0</b>	<b>2.9M</b>	<b>0</b>	<b>Flood</b>
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Heavy rain caused localized flooding between two and three feet deep which damaged numerous automobiles at the De Soto Square Mall. A few homes in low-lying areas of Bradenton received rug damage from flooding rains. More than 300 people, with homes in low-lying areas of Bradenton had to be evacuated from flood waters nearly a foot deep. Other hard hit areas included the Oakridge and Roger Garden Park apartments on 13th Street W. in Palmetto where over six inches of rainwater flooded 180 first floor units.

### **Manatee County Bradenton**

<b>26</b>	<b>0945EST</b>				<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>	<b>Thunderstorm Wind</b>
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Several trees and power lines were downed throughout the city of Bradenton which left nearly 3,300 residents without electrical power for a couple of hours.

### **Highlands County Sebring**

<b>26</b>	<b>1130EST</b>				<b>0</b>	<b>0</b>	<b>4K</b>	<b>0</b>	<b>Thunderstorm Wind (G52)</b>
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Thunderstorm winds downed power lines in Sebring.

### **De Soto County Arcadia**

<b>26</b>	<b>1143EST</b>				<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Wind</b>
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Thunderstorm winds downed several large tree limbs throughout Arcadia.

### **Hillsborough County Tampa**

<b>28</b>	<b>1055EST</b>	<b>2.7</b>	<b>50</b>		<b>0</b>	<b>1</b>	<b>500K</b>	<b>0</b>	<b>Tornado (F0)</b>
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A tornado touched down on 10th Street and Martin Luther King Blvd and downed several trees and power lines. The tornado continued northeast across a residential area where it caused minor roof and garage damage and downed a few trees and power lines. A small warehouse incurred roof damage and a gazebo was picked up and destroyed by the tornadic wind near Giddens Street and 15th Avenue. A woman working in the damaged warehouse received neck and back injuries from the wind blown roof debris.

The tornado crossed the intersection of Hillsborough Avenue and 17th Street where it blew down the sign of a Checker Hamburgers fast-food restaurant, damaged several dozen vehicles of an auto dealership and downed a large flag pole.

The next touchdown occurred on 30th Street and Crawford where two ten inch diameter pine trees were snapped off twenty feet above ground level. The final touchdown occurred at a water treatment plant along the Hillsborough River where minor damage was reported.

### **Charlotte County Englewood**

<b>28</b>	<b>1130EST</b>	<b>0.6</b>	<b>10</b>		<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Tornado (F0)</b>
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A weak, short-lived and fast-moving tornado touched down along a narrow path in the Holiday Estates Mobile Home Park of Englewood near State Road 776 and Placida Road. The tornado caused minor structural damage to six mobile homes, three single level frame homes and ten smaller sheds or outbuildings.

Most of the damage was confined to open carports, pool cages and shattered windows facing into the direction of the tornadic wind. A few trees and power lines were downed by the tornado before it lifted. A few of the downed palm trees were sheared half-way from the top by the tornadic wind.

### **Polk County Lakeland**

<b>28</b>	<b>1140EST</b>				<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Wind</b>
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Thunderstorm winds downed a few trees and numerous large branches around the Lake Morton area in Lakeland.

### **De Soto County Arcadia to 3 E Arcadia**

<b>28</b>	<b>1223EST</b>	<b>3</b>	<b>5</b>		<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Tornado (F0)</b>
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A brief tornado touched down near the intersection of U.S. Highway 17 and State Road 70 in Arcadia with minimal damage.

### **De Soto County 4 SW Arcadia to 4 SSW Arcadia**

<b>28</b>	<b>1230EST</b>				<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Wind</b>
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Thunderstorm winds downed powerlines and uprooted a few trees on County Road 760, Pasco Street and Genes Little Acre Road.

### **De Soto County 3 E Arcadia**

<b>28</b>	<b>1245EST</b>	<b>0.1</b>	<b>5</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
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A brief tornado touchdown occurred three miles east of Arcadia with no apparent damage.

### **Highlands County 10 SSW Avon Park**

<b>28</b>	<b>1300EST</b>	<b>0.2</b>	<b>5</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
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A tornado briefly touched down over a rural, semi-wooded area of extreme western Highlands county near County Road 634 with no apparent damage.





# Storm Data and Unusual Weather Phenomena

April 1997

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

## GEORGIA, East Central

<b>Columbia County</b> Harlem	22	1910EST			0	0			Hail (1.00)
Spotter reports 1 inch hail in Harlem.									
<b>Columbia County</b> Grovetown	22	1912EST			0	0	10K	0	Hail (1.75)
Spotter reports 1 3/4 inch hail in Grovetown. Damage to some roofs and cars.									
<b>Columbia County</b> Evans to Farmington	22	2010EST			0	0	73K	0	Thunderstorm Wind (G60)
Spotter reports trees down in Evans and powerlines down in Farmington. Some schools and homes damaged. Several cars and other vehicles badly damaged.									
<b>Richmond County</b> Augusta	22	1940EST			0	0	10K	0	Hail (1.75)
HAM reports 1 3/4 inch hail in Augusta. Several roofs and cars damaged.									
<b>Richmond County</b> Gracewood	22	1955EST			0	0	7K	0	Thunderstorm Wind (G60)
Spotter reports trees and powerlines down on hwy 25 in Gracewood.									
<b>Richmond County</b> Blythe	22	2000EST			0	2	15K	0	Thunderstorm Wind (G60)
HAM reports mobile home blown over in Blythe. Two people had minor injuries.									
<b>Burke County</b> Sardis	22	2345EST			0	0	5K	0	Thunderstorm Wind (G60)
Sheriff reports trees and powerlines down in Sardis.									
<b>Lincoln County</b> Lincolnton to 15 S Lincolnton	22	1912EST 1930EST			0	0	75K	0	Thunderstorm Wind (G60)
GEMA reports trees and powerlines down in and around Lincolnton. One barn and several storage buildings were destroyed. Several homes had minor damage. County-wide damage estimates were \$75K.									
<b>Meduffie County</b> Thomson	22	2000EST			0	0	2.8M		Thunderstorm Wind (G80)
GEMA reports numerous trees down in Thompson.									
<b>Richmond County</b> Hephzibah	22	2005EST			0	0	3K	0	Thunderstorm Wind (G55)
HAM reports trees down in Hephzibah.									

## GEORGIA, Lower

<b>Clinch County</b> .5 W Argyle to 1.5 E Argyle	28	0415EST 0430EST	1	60	0	0	150K		Tornado (F1)
Tornado damaged 15 homes, destroyed 2.									
<b>Ware County</b> Waycross	28	0450EST			0	0	2K		Thunderstorm Wind
Numerous large trees were blown down along RT 84.									
<b>Ware County</b> Waycross	28	0450EST			0	0	5K		Thunderstorm Wind
Storage shed and destroyed, and numerous reports of large trees blown down.									
<b>Coffee County</b> Ambrose	23	1121EST			0	0	1.5K		Thunderstorm Wind
Large trees and power lines were blown down.									
<b>Jeff Davis County</b> Hazelhurst to 12 E Hazelhurst	23	1130EST			0	0	0.50K		Thunderstorm Wind
Large trees were blown down.									
<b>Appling County</b> 1 NW Baxley to .5 NE Baxley	27	2030EST	1.5	30	0	0	100K		Tornado (F0)
Fifteen homes were damaged and several vehicles.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>GEORGIA, North and Central</b>									
<b>Cherokee County</b>									
Ball Ground	19	1834EST			0	0			Hail (0.75)
<b>Forsyth County</b>									
5 W Cumming to Cumming	19	1845EST 1850EST			0	0			Hail (1.75)
									Sheriff's deputies reported golf ball size hail from the Cherokee county line to Cumming.
<b>Walton County</b>									
Monroe	19	1915EST			0	0	0.50K		Thunderstorm Wind
									Walton county EMC reported power lines were snapped by a tree knocked down by thunderstorms winds.
<b>Whitfield County</b>									
5 N Dalton	19	1930EST			0	0			Hail (0.90)
<b>Catoosa County</b>									
5 W Ringgold	19	1905EST			0	0			Hail (0.75)
<b>Murray County</b>									
Chatsworth	19	2000EST			0	0			Hail (0.90)
									Murray county 911 personnel observed dime to nickel size hail.
<b>Upson County</b>									
12 S Thomaston	21	1645EST			0	0			Hail (1.75)
									A Georgia State Patrol officer reported golfball size hail along highway 19.
<b>Crisp County</b>									
Arabi	21	1705EST			0	0			Hail (1.75)
									Crisp county 911 reported golfball size hail along Interstate 75.
<b>Jasper County</b>									
Hillsboro	21	1810EST			0	0			Hail (0.75)
<b>Dade County</b>									
Trenton	21	1855EST			0	0			Hail (0.75)
<b>Monroe County</b>									
5 S Forsyth	21	2115EST			0	0			Hail (0.75)
<b>Crawford County</b>									
3 E Roberta	21	2110EST			0	0			Hail (0.75)
<b>Bibb County</b>									
10 W Macon	21	2125EST			0	0			Hail (1.00)
									The public reported dime to quarter size hail.
<b>Bibb County</b>									
8 S Macon	21	2135EST			0	0			Hail (0.75)
<b>Jones County</b>									
5 S Gray	21	2130EST			0	0			Hail (0.75)
									Jones county 911 reported dime size hail south of Gray on Georgia Highway 49.
<b>Twiggs County</b>									
Dry Branch	21	2200EST			0	0			Hail (1.00)
<b>Baldwin County</b>									
5 S Milledgeville	21	2205EST			0	0			Hail (1.00)
									Baldwin county 911 reported one inch hail on U.S. Highway 441 near Scottsboro.
<b>Jasper County</b>									
13 N Monticello	22	0045EST			0	0			Hail (1.00)
<b>Webster County</b>									
Weston	27	1630EST			0	0	50K		Thunderstorm Wind
									Public reports received from Webster county indicated damaging thunderstorms winds and an apparent tornado. Reports relayed through the Birmingham NWSFO, the Webster county sheriff's office, and the Webster county EMC indicated there was damage to a pecan orchard, trees, a barn, power lines and farm equipment near Georgia Highway 520 and Center Point Road.
<b>Carroll County</b>									
Whitesburg	28	1352EST 1358EST			0	0	0.50K		Thunderstorm Wind
									The public reported thunderstorm winds knocked trees down near Georgia Highway 16.
<b>Carroll County</b>									
1 SE Whitesburg	28	1400EST			0	0			Hail (1.00)

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>GEORGIA, North and Central</b>									
The public reported dime to quarter size hail near the Tallapoosa river.									
<b>Douglas County</b> Mc Whorter to Douglasville	28	1417EST 1428EST			0	0			Hail (1.75)
The public reported golfball size hail near the intersection of Georgia Highways 5 and 166 and dime size hail in Douglasville.									
<b>Fulton County</b> Adamsville	28	1445EST			0	0			Hail (0.75)
The public reported dime or larger size hail at Fairburn Road and Fulton Industrial Boulevard.									
<b>Fulton County</b> 6 SW Atlanta to 3 NE Atlanta	28	1448EST 1500EST			0	0	10K		Hail (2.50)
Numerous public reports of large hail were received. Sizes ranged from dime size southwest of downtown Atlanta to tennis ball size near Highland and Virginia Avenues northeast of downtown. The roof of the CNN Center was damaged by 1 inch hail.									
<b>Carroll County</b> Roopville	28	1342EST			0	0			Hail (0.75)
<b>Heard County</b> Centralhatchee	28	1335EST			0	0			Hail (0.75)
<b>De Kalb County</b> Druid Hills to Stone Mtn	28	1458EST 1510EST			0	0			Hail (1.00)
Numerous public reports were received from across Dekalb county of dime to quarter size hail. Reports were received from Druid Hills and Decatur through Clarkston and Tucker to Stone Mountain.									
<b>Cobb County</b> Marietta	28	1500EST			0	0			Hail (0.75)
<b>Greene County</b> Greshamville	28	1530EST			0	0			Hail (0.75)
The public reported dime size hail and a power outage.									
<b>Morgan County</b> 6 E Madison	28	1530EST			0	0			Hail (0.75)
<b>Carroll County</b> Carrollton	28	1507EST			0	0			Hail (0.75)
<b>Gwinnett County</b> Lilburn to Duluth	28	1520EST 1535EST			0	0	2K		Hail (1.75)
Numerous public reports were received of dime to golfball size hail across Gwinnett county including Norcross, Duluth, and Lilburn. Hail damaged trees in Lilburn. Several powerlines were also snapped as the storms paseed through this area.									
<b>Gwinnett County</b> Duluth to Lawrenceville	28	1535EST 1605EST			0	0	2K		Hail (1.75)
The severe thunderstorm continued into central and eastern Gwinnett county with up to golfball size hail. The hail damaged some trees.									
<b>Gwinnett County</b> Norcross to Suwanee	28	1530EST 1600EST			0	0	2K		Thunderstorm Wind
Severe thunderstorm winds knocked numerous trees down between Norcross, Duluth and Suwanee.									
<b>Gilmer County</b> 6 W Ellijay	28	1530EST			0	0			Hail (0.75)
The public reported dime size hail.									
<b>Barrow County</b> Bethlehem	28	1630EST			0	0			Hail (1.00)
Quarter size hail was reported by the public.									
<b>Douglas County</b> Douglasville	28	1605EST 1606EST			0	0			Hail (0.90)
Dime to nickel size hail was reported by the public.									
<b>Polk County</b> Rockmart	28	1600EST 1620EST			0	0			Hail (1.75)
Polk county EMA and a HAM spotter reported nickel to golfball size hail in Rockmart and eastern Polk county.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>GEORGIA, North and Central</b>									
<b>Hall County</b> Flowery Branch	28	1605EST			0	0			Hail (0.75)
									Hall county EMA reported dime to penny size hail.
<b>Jackson County</b> Braselton to 4 E Braselton	28	1620EST 1625EST			0	0			Hail (0.75)
									The public reported dime size hail.
<b>Hall County</b> Gillsville	28	1620EST 1625EST			0	0			Hail (1.00)
									Quarter size hail was reported by the public.
<b>Cobb County</b> Marietta	28	1620EST			0	0			Hail (0.75)
									Dime size hail was reported by the public.
<b>Banks County</b> Homer	28	1615EST 1630EST			0	0			Hail (0.75)
									Dime size hail was reported county-wide.
<b>Clarke County</b> Athens	28	1535EST			0	0			Hail (0.75)
									The public reported dime size hail.
<b>Bartow County</b> Kingston	28	1545EST 1600EST			0	0			Hail (1.75)
									Quarter to golfball size hail fell.
<b>Bartow County</b> Cartersville	28	1655EST			0	0			Hail (0.75)
<b>De Kalb County</b> Tucker	28	1500EST			0	0	2K		<b>Thunderstorm Wind</b>
									Thunderstorm winds caused damage on Allsboro Drive in Tucker. Seven large hardwood trees were downed, a gutter and fascia board were torn off.
<b>Cobb County</b> Kennesaw to Acworth	28	1650EST 1659EST			0	0			Hail (0.75)
									Dime to nickel size hail was reported by the public.
<b>Fulton County</b> Roswell to Alpharetta	28	1655EST 1705EST			0	0			Hail (1.50)
									Several public reports of hail were received from across northern Fulton county.
<b>Fulton County</b> Sandy Spgs	28	1645EST			0	0			Hail (0.75)
<b>Cherokee County</b> Woodstock	28	1713EST			0	0			Hail (0.90)
									Dime to nickel size hail was reported by the public.
<b>Paulding County</b> 3 SW Dallas	22	1225EST 1235EST			0	0			Hail (0.90)
									Numerous reports were received from the public of dime to nickel size hail.
<b>Fulton County</b> Alpharetta	22	1322EST 1330EST			0	0			Hail (1.00)
									Dime to quarter size hail was reported in Alpharetta and near State Bridge and Medlock Bridge Roads near the Chattahoochee River.
<b>Paulding County</b> 10 N Dallas	22	1330EST 1340EST			0	0			Hail (1.00)
									The public reported quarter size hail covered the yard in the Burnt Hickory community.
<b>Gwinnett County</b> Duluth to Dacula	22	1335EST 1345EST			0	0			Hail (2.75)

# Storm Data and Unusual Weather Phenomena

April 1997

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

## GEORGIA, North and Central

The public reported large hail. Sizes ranged from dime to baseball size in locations such as Duluth, Lawrenceville, Suwanee, Buford, and Dacula.

### **Cobb County** Acworth to Kennesaw

22	1335EST 1340EST			0	0	5K	Hail (2.50)
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Golfball to tennis ball size hail damaged cars.

### **Cobb County** Acworth

22	1345EST 1410EST			0	0		Hail (4.00)
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Many public reports were received of quarter to golfball size hail in the Acworth area. One report indicated softball size hail.

### **Bartow County** 9 SE Cartersville

22	1350EST			0	0		Hail (1.00)
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Quarter size hail was reported inside the Bartow county line near Acworth, in Cobb county.

### **Cherokee County** 6 W Woodstock to Woodstock

22	1345EST 1420EST			0	0		Hail (2.75)
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Numerous reports of quarter to half dollar size hail were received from the Acworth to Woodstock areas. One report indicated two and three-quarter inch hail near Acworth.

### **Cobb County** Powder Springs to Marietta

22	1230EST 1245EST			0	0		Hail (1.00)
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Dime to quarter size hail was reported in Powder Springs, Marietta, and Kennesaw.

### **Oglethorpe County** 11 NW Lexington

22	1351EST			0	0		Hail (0.75)
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Dime size hail was reported in Oglethorpe county just east of Winterville.

### **Oglethorpe County** Lexington

22	1425EST			0	0		Hail (1.75)
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Golfball size hail was reported on the east side of Lexington.

### **Clarke County** Athens

22	1356EST 1400EST			0	0		Hail (1.75)
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Large hail was reported in and around Athens ranging from nickel to golfball size.

### **Clarke County** Athens

22	1435EST			0	0		Hail (0.75)
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Dime size hail was reported from another severe thunderstorm in the Athens area.

### **Fulton County** Alpharetta

22	1400EST 1420EST			0	0		Hail (1.00)
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Dime to quarter size hail was reported near Alpharetta lasting for 20 minutes.

### **Barrow County** Statham

22	1405EST 1408EST			0	0		Hail (0.80)
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Dime to nickel size hail was reported 10 miles northwest of Athens inside the Barrow county line.

### **Gwinnett County** Lawrenceville to Buford

22	1405EST 1420EST			0	0		Hail (1.00)
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The public reported quarter size hail in Lawrenceville and Buford.

### **Jackson County** 3 SE Arcade

22	1430EST 1445EST			0	0		Hail (1.75)
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A few reports of half dollar to golfball size hail were received.

### **Fulton County** Mountain Park to Alpharetta

22	1425EST 1430EST			0	0		Hail (1.75)
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Dime to golfball size hail was reported from the Cherokee-Fulton county line to Alpharetta.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>GEORGIA, North and Central</u></b>									
<b>Walton County</b> 5 NW Monroe to Monroe	22	1415EST 1425EST			0	0			Hail (1.00)
		Dime to quarter size hail fell in and near Monroe.							
<b>Oconee County</b> 1 N Bishop	22	1445EST			0	0			Hail (0.75)
		A public report of dime size hail was received.							
<b>Oglethorpe County</b> Lexington	22	1455EST			0	0			Hail (0.75)
		Dime size hail fell in Lexington.							
<b>Troup County</b> 8 E Lagrange to Lagrange	22	1645EST 1652EST			0	0	2K	0	Thunderstorm Wind
		Trees were downed and tree limbs down 2 miles from the Alabama border, as well as within the city limits of La Grange. Several power lines were snapped across the county. Pea sized hail was also reported.							
<b>Troup County</b> Lagrange	22	1658EST			0	0			Hail (1.00)
<b>Heard County</b> Glynn	22	1645EST			0	0	0.50K	0	Thunderstorm Wind
		One tree was downed by thunderstorm winds.							
<b>Gilmer County</b> 10 NW Ellijay	22	1630EST			0	0			Hail (0.75)
<b>Gwinnett County</b> Lawrenceville	22	1630EST 1645EST			0	0			Hail (0.75)
<b>Fulton County</b> Atlanta	22	1700EST			0	0	1.5K	0	Thunderstorm Wind
		Thunderstorm winds knocked down three trees and at least two power lines.							
<b>Carroll County</b> Carrollton	22	1700EST 1705EST			0	0	2K	0	Thunderstorm Wind
		Several trees and tree limbs were knocked down by thunderstorm winds.							
<b>Harris County</b> Fortson	22	1705EST			0	0	1K	0	Thunderstorm Wind
		Thunderstorm winds knocked down two trees.							
<b>Coweta County</b> Newnan to Senoia	22	1707EST			0	0	2.5K	0	Thunderstorm Wind
		Large tree limbs were knocked down on Millard Farmer Road and on Shenendoah Road, which is one mile east of Interstate 85 in Newnan. A couple of large trees were also downed in the Senoia area, power lines were snapped as well.							
<b>Fayette County</b> Peachtree City to Tyrone	22	1715EST			0	0	1.5K	0	Thunderstorm Wind (G60)
		A large tree was knocked down upon a fence witin Peachtree City, and three large trees were uprooted in Tyrone. Winds were estimated at 60 mph.							
<b>Talbot County</b> 3 N Talbotton	22	1720EST			0	0	1K	0	Thunderstorm Wind
		Four trees were reported downed in the area.							
<b>Jackson County</b> 3 E Jefferson	22	1715EST			0	0	4.5K	0	Thunderstorm Wind
		More than 15 trees had the tops snapped off along Georgia Highway 15.							
<b>Jackson County</b> 3 E Jefferson	22	1715EST			0	0			Hail (1.00)
<b>Harris County</b> Cataula	22	1725EST			0	0	1K	0	Thunderstorm Wind
		Trees were downed along Georgia Highway 27.							

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>GEORGIA, North and Central</u></b>									
<b>Madison County</b> 6 W Danielsville to Danielsville	22	1735EST 1750EST			0	0			Hail (2.75)
									Quarter to baseball sized hail reported. Some sections of Watkinsville suffered damage to vehicles and rooftops.
<b>Baldwin County</b> 3 W Milledgeville	22	1845EST			0	0			Hail (0.75)
<b>Jackson County</b> Commerce to Nicholson	22	1730EST 1740EST			0	0			Hail (1.00)
									Dime to quarter sized hail reported.
<b>Madison County</b> Neese	22	1740EST			0	0			Hail (1.75)
<b>Madison County</b> 8 W Danielsville	22	1800EST			0	0			Hail (1.00)
<b>Clayton County</b> Jonesboro	22	1730EST			0	0	0.10K	0	Thunderstorm Wind
									Large trees were knocked down in a backyard.
<b>Bibb County</b> Macon to 2 N Macon	22	1815EST 1820EST			0	0			Hail (1.00)
									Dime to quarter sized hail reported throughout the Macon area.
<b>Bibb County</b> Macon	22	1815EST			0	0	2.5K	0	Thunderstorm Wind
									A Television meteorologist reported that numerous trees had been knocked down within the city of Macon.
<b>Gilmer County</b> Ellijay	22	1745EST 1800EST			0	0	3K	0	Thunderstorm Wind
									Several trees were reported downed countywide.
<b>Morgan County</b> 3 SE Madison	22	1830EST			0	0			Hail (0.75)
<b>Madison County</b> 4 SE Madison	22	1830EST			0	0	1K	0	Thunderstorm Wind
									State Road 441 was closed due to trees and power lines downed upon it.
<b>Spalding County</b> Griffin	22	1730EST			0	0	2K	0	Thunderstorm Wind
									Numerous trees and power lines were reported knocked down by thunderstorm winds.
<b>Pike County</b> Concord	22	1730EST			0	0	4.5K	0	Thunderstorm Wind
									Roads were closed due to trees and power lines which were blocking them.
<b>Oconee County</b> Watkinsville	22	1850EST 1910EST			0	0	15K	0	Thunderstorm Wind
									Five houses sustained minor structural damage from trees which had fallen on them in Watkinsville. One home had severe structural damage from trees on the outskirts of Watkinsville. A mobile home was also blown off of its foundation.
<b>Upson County</b> 5 N Thomaston to Thomaston	22	2040EST 2058EST			0	0			Hail (1.00)
									Dime to quarter sized hail reported.
<b>Upson County</b> 12 E Thomaston	22	1745EST 1800EST			0	0	2K	0	Thunderstorm Wind
									Trees and power lines were knocked down by thunderstorm winds in the town of Yatesville.
<b>Jackson County</b> Jefferson	22	1730EST			0	0	3K	0	Thunderstorm Wind
									At least two trees were knocked down.
<b>Rockdale County</b> 2 NW Conyers	22	1750EST			0	0	0.50K	0	Thunderstorm Wind
									Three trees were knocked down in Miltstead.



# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>GEORGIA, North and Central</u></b>									
<b>Crawford County</b> 6 N Musella to Knoxville	22	1800EST 1805EST			0	0	10K	0	Thunderstorm Wind
			Trees were down in Knoxville, on cars along Georgia State Road 128 southeast of Roberta, and on another car along Georgia State Road 42 north of Musella.						
<b>Oconee County</b> 8 SSW Watkinsville	22	1810EST			0	0			Thunderstorm Wind (G60)
			Several trees were downed.						
<b>Oconee County</b> 8 SSW Watkinsville	22	1810EST			0	0			Hail (0.75)
<b>Lamar County</b> Piedmont to Barnesville	22	2055EST 2105EST			0	0			Hail (0.75)
<b>Pike County</b> Zebulon	22	2040EST			0	0			Hail (0.75)
<b>Carroll County</b> Whitesburg	22	1730EST			0	0	1K	0	Thunderstorm Wind
			Several trees were knocked down by thunderstorm winds.						
<b>Meriwether County</b> Manchester	22	1845EST			0	0	2.5K	0	Thunderstorm Wind
			Trees were knocked down across the county. Hail of unknown size was reported in Manchester.						
<b>Oglethorpe County</b> 10 W Lexington	22	1835EST			0	0			Thunderstorm Wind (G60)
			A National Weather Service spotter reported that a large tree snapped during a 60 mph wind gust.						
<b>Henry County</b> Mc Donough	22	1730EST			0	0	25K	0	Thunderstorm Wind
			A large tree fell on a shed, just outside of McDonough on Georgia Highway 20, damaging not only the structure, but also a Cadillac inside. Another tree was also knocked over on Georgia Highway 20 inside McDonough. Approximately 8,000 residents across the county lost power, as power lines snapped. Most of the power was restored within an hour and a half.						
<b>Jones County</b> 6 S Gray	22	1825EST			0	0			Hail (1.75)
<b>Jones County</b> 6 S Gray	22	1825EST			0	0	1K	0	Thunderstorm Wind
			Several trees were reported down south and southeast of Gray.						
<b>Walton County</b> 2 S Walnut Grove	22	1805EST			0	0	2.5K	0	Thunderstorm Wind
			Large trees were knocked down across roadways.						
<b>Newton County</b> Oxford to Covington	22	1750EST 1805EST			0	0	3K	0	Thunderstorm Wind
			Several trees were blown down.						
<b>Wilkinson County</b> Gordon to Irwinton	22	1840EST 1920EST			0	0	1K	0	Thunderstorm Wind
			Trees were reported down across several county roads.						
<b>Wilkinson County</b> Mc Intyre	22	1835EST			0	0			Hail (1.00)
<b>Harris County</b> Pine Mountain	22	2025EST			0	0			Hail (0.75)
			Dime size hail reported along Georgia Highway 27 near the Troup county line.						
<b>Monroe County</b> High Falls to Bolingbroke	22	1840EST			0	0	4K	0	Thunderstorm Wind
			Numerous trees were downed.						
<b>Peach County</b> Fort Valley	22	2205EST			0	0			Hail (0.75)
<b>Sumter County</b> Americus	22	2145EST			0	0	2K	0	Thunderstorm Wind
			Several trees and power lines were downed.						

# Storm Data and Unusual Weather Phenomena

April 1997

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

## GEORGIA, North and Central

### **Houston County**

**Perry to 5 N Warner Robins**      22      2215EST  
2218EST      0      0                          **Hail (1.00)**  
Dime to quarter sized hail reported.

### **Warren County**

**Norwood to Warrenton**      22      1900EST  
1941EST      0      0      5K      0      **Thunderstorm Wind**  
Numerous trees were down throughout the county.

### **Crisp County**

**Cordele**      22      2217EST  
2220EST      0      0      52K      0      **Thunderstorm Wind**

Trees were knocked down and a semi tractor-trailer truck blown off Interstate 75 near Dooly county. The city of Cordele and southwestern portions of the county was hard hit by power outages as many power lines were snapped by fallen trees. A 12 foot in diameter tree split in two and fell onto a home causing extensive damage to the structure and narrowly missing 2 child who were sleeping. Several signs were torn off businesses and windows shattered by flying debris. Tree limbs littered the roads of downtown Cordele.

### **Hancock County**

**Sparta**      22      1855EST  
1908EST      0      0      4.5K      0      **Thunderstorm Wind**

Several large trees and power lines were down across roads in Sparta, and numerous trees were downed in the southern and western portions of the county.

### **Bibb County**

**10 N Macon**      22      2215EST      0      0      0.75K      0      **Thunderstorm Wind**  
Several trees and power lines were snapped.

### **Dooly County**

**Vienna to Byronsville**      22      2215EST  
2220EST      0      0      5K      0      **Thunderstorm Wind**

Several large trees were knocked down by thunderstorm winds.

### **Dodge County**

**Eastman**      22      2245EST      0      0      1K      0      **Thunderstorm Wind**  
Several trees were knocked down in the southern portion of Eastman.

### **Butts County**

**Jackson**      22      1800EST      0      0      6K      0      **Thunderstorm Wind**  
Several trees were knocked down by thunderstorm winds. Minor structural damage to homes was reported by Butts County 911.

### **Taylor County**

**Butler**      22      1806EST      0      0      2.5K           **Thunderstorm Wind**  
Thunderstorm winds knocked down several trees, some of which fell on power lines causing them to snap.

### **Clarke County**

**Athens**      22      1845EST      0      0      1.5K      0      **Thunderstorm Wind**  
Several trees fell across power lines and on to houses causing minor structural damage.

### **Montgomery County**

**Mt Vernon**      22      2330EST      0      0                     **Hail (1.00)**

### **Toombs County**

**5 W Allston to Vidalia**      22      2315EST  
2330EST      0      0                     **Thunderstorm Wind**

Numerous trees were knocked down by thunderstorm winds.

### **Treutlen County**

**5 N Soperton**      22      2310EST  
2325EST      0      0      4K      0      **Thunderstorm Wind**

At least 9 trees were down across roads and power lines.

### **Washington County**

**Deepstep to Warthen**      22      1900EST  
2000EST      0      0      5K      0      **Thunderstorm Wind**

Several trees were knocked down by thunderstorm winds. Trees were down on Georgia State Roads 22 and 15, as well as near Hamburg State Park.

### **Jefferson County**

**5 N Wrens to Wadley**      22      1905EST      0      0      2K      0      **Thunderstorm Wind**

Several trees were downed by thunderstorm winds in the northern and southern portions of the county.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>GEORGIA, North and Central</b>									
<b>Macon County</b>									
Montezuma	22	2130EST			0	0	4.5K	0	Thunderstorm Wind
									Numerous tree limbs and power lines down countywide.
<b>Pulaski County</b>									
Hawkinsville	22	2230EST			0	0	5K	0	Thunderstorm Wind
									Numerous trees downed by thunderstorm winds countywide.
<b>Telfair County</b>									
Helena	22	2300EST			0	0	3.5K	0	Thunderstorm Wind
									Several large trees were downed by thunderstorm winds.
<b>Wheeler County</b>									
Mt Vernon	22	2300EST			0	0	4.5K	0	Thunderstorm Wind
									Trees were blocking several state and county roads countywide.
<b>Laurens County</b>									
Dudley to East Dublin	22	2245EST 2312EST			0	3	25K		Thunderstorm Wind
									The weather event seemed to be a fast moving line of thunderstorms with two damage tracks. No hail was reported, lightning was present and the rain was not heavy. Wind damage was reported county wide with the more severe damage occurring in two separate tracks contained within ten miles either side of Interstate 16 west to east across the county.
									The northernmost track of damage was to trees and buildings from Dudley eastward to approximately 3 miles east southeast of East Dublin. This damage track ended near a helicopter hangar on Georgia Highway 29 south. The hangar and helicopter inside were damaged. A farm house, barn and out buildings a short distance away were also damaged. Two large Pecan trees were pushed over in the same general area, and the tops of several trees were snapped off.
									At approximately 1145 pm EDT, a mobile home located almost 2 miles east of Dexter was torn from its tie downs and blown off its blocks. It rolled over onto two automobiles, which sustained heavy damages, and moved 30 to 40 feet away. An eighteen month old girl sustained injuries, but was released from the hospital the next day. This damage track continued eastward to Georgia Highway 199 south, about 9 miles southeast of East Dublin. Here one mobile home was blown loose from its tie downs, tipped over on its side and was destroyed. A nearby modular home was damaged when a large tree limb was blown onto it. There were minor injuries at this location. A woman was treated for a leg injury. Additional damage was reported just off Georgia Highway 199. A house was damaged and power lines snapped. Tree limbs were also blocking the road.
									Upon inspection by a National Weather Service employee all damage was classified as straightline winds.
<b>Jackson County</b>									
Arcade	22	1430EST 1445EST			0	0	5K	0	Thunderstorm Wind
									Several trees were knocked down and power lines snapped throughout the county.
<b>Oconee County</b>									
Watkinsville	22	1445EST 1500EST			0	0	12.5K		Thunderstorm Wind
									Thunderstorm winds knocked trees down across the county. Several power lines were snapped. Minor structural damage to homes was also caused by fallen tree limbs.
<b>Oglethorpe County</b>									
Lexington	22	1455EST 1515EST			0	0	1.5K		Thunderstorm Wind
									A few trees were knocked down by thunderstorm winds. Power lines were also snapped.
<b>Fulton County</b>									
Atlanta	22	1750EST			0	0			Lightning
									Atlanta's Hartsfield Airport was struck by at least two lightning strikes. These lightning strikes carved out 2 holes in the cement of the north runway. Each hole was approximately 4 feet across and 9 inches deep. The runway was closed for less than 2 hours.
<b>Carroll County</b>									
Carrollton	22	1745EST			0	0			Lightning
									Lightning struck the chain link fence surrounding the Carroll County 911 center, disabling the center's computer that routes calls to the 911 center for about 3 minutes. BellSouth rerouted the calls to other counties 911 centers.
<b>Murray County</b>									
12 SW Chatsworth	22	1710EST 1718EST	0.7	50	0	3	100K	350K	Tornado (F0)

# Storm Data and Unusual Weather Phenomena

April 1997

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

## GEORGIA, North and Central

### **Murray County Sugar Creek**

22	1718EST 1730EST	0.4	40	0	3	100K	350K	Tornado (F0)
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Two different tornadoes were reported within Murray County, within a short distance of each other although it is not believed they are the same one.

The first touched down on the west side of Maple Grove Church Road. A few tree tops were broken on the outskirts of a yard. Moving into the yard, a chicken coop was completely destroyed, a barn had a tin roof badly damaged, with pieces of the tin ripped off and blown eastward about 30-40 yards against trees. Also along this line, was a garage that was totally removed from its foundation and destroyed. The south side of the yard had three trees that were blown down pointing west. A pine tree was lifted from elsewhere and dropped into the yard along side an apple and oak tree. A few shingles were lifted from the south side of the house and blown into the front yard and across Maple Grove Church.

On the east side of Maple Grove Church Road, at the intersection of Valley Drive, a house had a few pieces of vinyl peeled from the front wall above the garage. Twenty yards away, a mobile home was pushed from its foundation. Fifty yards up the hill a mailbox was blown down, and the underpinnings were torn from a mobile home. Another 30 yards west, another mobile home was rolled down a hill and destroyed. Eyewitnesses reported that this occurred at approximately 615 pm EDT. One person was thrown approximately 20-30 yards to the northeast, while up to five others were inside the mobile home as it bounced and rolled down the hill. At least one injury (broken arm, cuts and bruises) was reported at this site. A trap was ripped off of the frame, leaving it exposed however all of the installed plumbing was intact.

Along this path, there were indications that the tornado lifted and touched down several times. The tornado moved across an open field beyond the trailer where it finally lifted and moved over a wooded area.

A short distance away a second tornado touched down along Georgia Highway 282. Most of the damage from this short-lived portion was to a wooded area. Numerous Pine trees were uprooted and snapped. At least one home suffered structural damage from fallen trees. Although no injuries were reported here, officials were worried about an infant who was hooked up to a heart monitor.

### **Newton County 5 E Covington**

22	1800EST			0	0	7.5K		Thunderstorm Wind
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Several trees were downed by thunderstorm winds, at least one fell against a residence in the Greystone Subdivision in the eastern portion of the county.

### **Baldwin County Milledgeville**

22	2040EST 2055EST			0	0	35K	12K	Thunderstorm Wind
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Several trees were downed by thunderstorm winds. Power lines snapped resulting in power outages for almost 5,000 customers. A large metal billboard was ripped from its supporting post in front of the Golden Corral restaurant. A sheet metal roof was also torn off of another building in downtown Milledgeville. A baseball dugout was demolished by a chain-link fence which was knocked down and bent. Several homes suffered structural damage as trees and limbs crashed on top of them and on power lines.

### **Emanuel County Swainsboro**

22	2305EST 2315EST			0	0	22K	1.5K	Thunderstorm Wind
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Several large trees were downed county-wide, including one which fell on a home causing extensive structural damage to the house as well as the fence and air conditioner unit.

## GEORGIA, Northeast

### **GAZ010-017>018-026-028>029 Rabun - Habersham - Stephens - Franklin - Hart - Elbert**

01	0000EST			0	0			Cold
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Several cold snaps caused low temperatures to dip into the 20s and 30s possibly causing some damage to area crops.

### **Rabun County 4 NE Pine Mtn**

21	2245EST 2255EST			0	0			Hail (0.75)
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A severe thunderstorm caused large hail.

### **Elbert County Elberton**

22	1422EST 1432EST			0	0			Hail (1.00)
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### **Elbert County Elberton**

22	1756EST 1806EST			0	0			Hail (1.00)
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# Storm Data and Unusual Weather Phenomena

April 1997

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

## GEORGIA, Northeast

<b>Elbert County</b> Goss to 3 N Elberton	22	1800EST 1805EST			0	0			Thunderstorm Wind (G50)
<b>Elbert County</b> Bowman	22	1803EST 1814EST			0	0			Hail (2.00)
<b>Elbert County</b> 4 N Elberton to 5 NE Elberton	22	1820EST 1830EST			0	0			Hail (2.00)
<b>Elbert County</b> Elberton	22	1902EST 1907EST			0	0			Thunderstorm Wind (G52)

Three or four separate severe thunderstorms hit Elbert county during the afternoon and evening. By far, the worst storms occurred early in the evening. Large hail fell for an extended period causing extensive damage to vehicles and structures. The hail piled up on roads, blocking traffic for awhile near Bowman and northeast of Elberton. The wind downed trees at Goss and Rock Branch. The last storm developed damaging winds near 60 mph on the back side of the storm, blowing down signs and causing other minor damage.

<b>Habersham County</b> 2 N Clarkesville	28	1635EST 1645EST			0	0			Hail (0.75)
<b>Franklin County</b> Lavonia	28	1735EST 1740EST			0	0			Thunderstorm Wind (G50)

Severe thunderstorms caused large hail and blew down a few trees and limbs.

## GEORGIA, Southeast

<b>Candler County</b> 9 NNW Metter to 10 NNE Metter	22	2330EST 2342EST	5	60	0	0	100K	10K	Tornado (F1)
TREES UPROOTED, LIVESTOCK KILLED, FRONT PORCH LIFTED OFF A HOME, BOAT WAS LIFTED OFF TRAILER AND THROWN ONE-QUARTER MILE AND FARM EQUIPMENT DAMAGED.									
<b>Jenkins County</b> Millen	22	2345EST 2350EST			0	0			Thunderstorm Wind (G55)
Numerous trees and powerlines down.									
<b>Evans County</b> Claxton	22	2345EST 2350EST			0	0			Thunderstorm Wind (G52)
<b>Screven County</b> Hilltonia	22	2345EST 2350EST			0	0			Thunderstorm Wind (G50)
Trees down.									
<b>Tattnall County</b> Collins	22	2335EST 2340EST			0	0			Thunderstorm Wind (G50)
<b>Bulloch County</b> Stilson	23	0015EST 0020EST			0	0			Thunderstorm Wind (G50)
Numerous trees and powerlines down.									
<b>Long County</b> Ludowici	23	0315EST 0320EST			0	0			Thunderstorm Wind (G50)
Powerlines down.									
<b>Candler County</b> 9 NNW Metter to 9 NNE Metter	22	2330EST 2342EST			0	0			Hail (1.75)

## GEORGIA, Southwest

<b>GAZ125&gt;126-143-155</b> Dougherty - Lee - Miller - Seminole	11 12	2330EST 0134EST			0	0	16K		High Wind
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A wind gust of 52kts was recorded at the Albany airport. SKYWARN spotters reported numerous trees blown down southeast of

# Storm Data and Unusual Weather Phenomena

April 1997

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

## GEORGIA, Southwest

Albany.

Strong winds associated with a mesoscale outflow boundary moved across Southwest Georgia during the early morning hours.

### **Cook County**

**Lenox**

**21 1655EST**

**0 0**

**Hail (1.50)**

Lenox Police Department reported hail.

### **Berrien County**

**Enigma to  
Alapaha**

**21 1710EST**

**0 0**

**Hail (0.75)**

Hail was reported by county Emergency Management.

## GEORGIA, West Central

### **Quitman County**

**Georgetown**

**22 2020EST**

**0 0**

**5K 0 Thunderstorm Wind (G50)**

Several trees and limbs were downed knocking down power lines.

### **Muscogee County**

**Columbus**

**22 1625EST**

**0 0**

**5K 0 Thunderstorm Wind (G50)**

Several trees were blown down across the city.

## HAWAII

### **HIZ001>006**

**Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai**

**02 0000HST**

**0 0**

**High Surf**

**04 0500HST**

A storm low far to the north of the Hawaiian Islands generated swell that produced surf of 10 to 15 feet with occasional sets to 20 feet along the north shores of all islands. Surf ranged from 8 to 12 feet along the west shores of Kauai and Oahu through about 5 p.m. on the 3rd.

### **HIZ001>006**

**Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai**

**11 0500HST**

**0 0**

**High Surf**

**12 0500HST**

A storm low 900 miles north of Oahu generated swell that produced surf of 8 to 12 feet along the north shores of Kauai and Oahu, and surf of 6 to 10 feet along the north shores of the other Hawaiian Islands.

### **HIZ001>006**

**Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai**

**21 0300HST**

**0 0**

**High Surf**

**22 1400HST**

A gale low centered just east of the dateline with circulation covering a broad area of the central Pacific, generated swell that produced surf of 8 to 12 feet along the north and west shores of Kauai and Oahu and 6 to 10 feet along the north and west shores of the other islands.

### **Honolulu County**

**Waimanalo to  
Kahuku**

**02 2000HST**

**0 0**

**Urban/Sml Stream Fld**

**03 0300HST**

A slow moving cold front set off heavy showers and thundershowers along the windward side of Oahu flooding low lying areas and streets.

### **Honolulu County**

**Makaha to  
Sunset Beach**

**03 0400HST**

**0 0**

**Urban/Sml Stream Fld**

**0700HST**

Minor street flooding was reported in Makaha, Haleiwa, and Sunset Beach.

### **Kauai County**

**Koloa**

**11 0100HST**

**0 0**

**Urban/Sml Stream Fld**

**0400HST**

Minor flooding was reported in the Koloa and Lawa'i areas of south central Kauai.

### **Honolulu County**

**Honolulu**

**01 1455HST**

**0 0**

**Waterspout**

**1500HST**

A waterspout was observed moving toward Sand Island from the Honolulu Harbor channel before dissipating.

### **Honolulu County**

**Wahiawa**

**08 1635HST**

**0 0**

**Funnel Cloud**

Two funnel clouds were observed well above the ground in the Wahiawa area near the Helemano reservation.

## IDAHO, Extreme Southeast

NONE REPORTED.

## IDAHO, North

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## IDAHO, Northwest

NONE REPORTED.

## IDAHO, Southeast

NONE REPORTED.

## IDAHO, Southwest

**IDZ001-004-018**

**Northern Panhandle - Central Panhandle Mountains - Sawtooth Mountains**

03	2000MST								
		0	0						Heavy Snow
05	1000MST								

**IDZ001**

**Northern Panhandle**

12	0000MST								
		0	0	0.10K					Mud Slide
30	2359MST								

Heavy snows melting in the Idaho Panhandle saturated soils and triggered numerous mud slides in Bonner and Boundary Counties. These mudslides cut local roads and disrupted traffic.

**IDZ002-004-020>022**

**Coeur D'Alene Area - Central Panhandle Mountains - Upper Snake River Plain - Lower Snake River Plain - South Central Highlands**

20	0000MST								
		0	0						Flood
30	2359MST								

Spring rains and snowmelt caused the Coer d'Alene River and the St. Joe River to fluctuate above and slightly below flood stage for the remainder of April. Flooded roads and basements were the main problems associated with this minor flooding.

**Ada County**

**4 NW Boise Terminal Arpt**

20	1015MST								
		0.2	30	0	0				Tornado (F0)
	1020MST								

On the morning of April 20, a strong cold front moved across Southern Idaho . This cold front produced strong thunderstorms in the Boise area which spawned a short lived weak tornado. The tornado moved through a subdivision on the outskirts of Boise . Six houses suffered roof damage,fences were torn up and a trampoline was hurled 5 city blocks.

**IDZ020-020**

**Upper Snake River Plain**

20	1400MST								
		0	8						Dust Storm
27	2000MST								

A strong cold front swept across Eastern Idaho . Wind gusts to 58 mph accompanied the front and produced a dust storm on Interstate 15 north of Idaho Falls. 21 auto accidents and 8 injuries were blamed on poor visibilities caused by the blowing dust.

**Canyon County**

**3 S Caldwell**

30	2100MST								
		0	0						Hail (0.75)
	2120MST								

During the afternoon and evening of April 30 1997 a series of strong and severe thunderstorms moved into Southwest Idaho. 3/4 inch hail was reported just south of Caldwell , Idaho and 1 inch hail was reported in just west of the Boise Airport.

**Ada County**

**1.5 W Boise Terminal Arpt**

30	2115MST								
		0	0						Hail (1.00)
	2120MST								

A weather spotter reported one inch hail with a thunderstorm near the Boise Airport.

## ILLINOIS, Central

**ILZ027>031-036>038**

**Knox - Stark - Peoria - Marshall - Woodford - Fulton - Tazewell - Mclean**

10	1100CST								
		0	9						Heavy Snow
11	1000CST								

An early spring snow storm dumped between 4 and 13.5 inches of heavy wet snow over northern portions of Central Illinois. A 30 mile wide band centered along a line from just south of Galesburg to just north of Peoria received from 10 to 13.5 inches of snow. Numerous trees, tree branches, and powerlines collapsed due to the weight of the heavy wet snow. Some caused damage to vehicles and homes. In Normal (McLean County), the fieldhouse at Illinois State University had a 12 foot high by 150 foot section of the northwest wall collapse under the weight of the 4 inch snowfall, causing \$500,000 in damage. Also, numerous accidents occurred throughout the area with a few minor injuries reported.

**Cass County**

**Beardstown**

05	1416CST								
		0	0			0			Thunderstorm Wind

**Morgan County**

**Jacksonville**

05	1420CST								
		0	0			0			Thunderstorm Wind

In Jacksonville, the thunderstorm winds damaged the tin roof of a trailer home, though no injuries were reported.

**Fulton County**

**1 N Lewistown to Banner**

05	1445CST								
		0	0			0			Thunderstorm Wind
	1458CST								

As the storms moved through Fulton County, numerous large tree limbs and power lines were blown down 1 mile north of Lewistown, in Canton, and in Banner.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>ILLINOIS, Central</b>									
<b>Mason County</b> 2 E Havana	05	1450CST			0	0	0		Thunderstorm Wind
<b>Knox County</b> Galesburg to Knoxville	05	1455CST 1457CST			0	0	0		Thunderstorm Wind
As the thunderstorms moved through the Knoxville area, the winds destroyed a brick building and blew the roof off of one building at a lumber yard. Three people were in the brick building at the time, but escaped injury as it collapsed around them. No damage estimate was available.									
<b>Knox County</b> Oneida to Altona	05	1455CST 1457CST			0	0	0		Thunderstorm Wind
<b>Menard County</b> Tallula to 2 N Athens	05	1500CST 1505CST			0	0	0		Thunderstorm Wind
<b>Tazewell County</b> 7 SW Pekin	05	1512CST			0	0	0		Thunderstorm Wind
The thunderstorm winds blew over a carport 7 miles southwest of Pekin. No injuries were reported.									
<b>Sangamon County</b> Springfield Arpt	05	1515CST			0	0	0		Thunderstorm Wind (G50)
<b>Stark County</b> 3 S Toulon to 3 SSW Bradford	05	1525CST 1536CST			0	0	0		Thunderstorm Wind
As the thunderstorms moved through Stark County they caused a wide variety of damage. Three miles south of Toulon a large evergreen tree was blown over. Meanwhile, 2 miles northeast of Castleton, the thunderstorm winds ripped a nearly empty grain bin from its foundation and blew it into a minivan parked nearby flipping the vehicle upside down. The grain bin narrowly missed hitting a farm house before coming to rest. The winds also destroyed a lean-to at that location. Then as the storm moved to the northeast, it flipped a van over onto its roof and snapped a flag pole in half 3 miles south southwest of Bradford. No damage estimate was available.									
<b>Tazewell County</b> 3 NW Deer Creek	05	1527CST			0	0	0		Thunderstorm Wind
<b>Peoria County</b> Peoria to 3 W Chillicothe	05	1530CST 1531CST			0	0	0		Thunderstorm Wind
Thunderstorm winds caused a lot of damage in the Peoria area. A wall on a boat warehouse was blown out causing around \$3,000 in damage and a garage door was buckled in. One tree fell onto a house causing minor roof damage. No injuries were reported.									
<b>Logan County</b> Lincoln Logan Co Arp	05	1535CST			0	0	0		Thunderstorm Wind (G50)
<b>Sangamon County</b> Dawson	05	1540CST			0	0	0		Thunderstorm Wind
Thunderstorm winds caused structural damage to a sunroom on a residence in Dawson. No damage estimate was available.									
<b>Woodford County</b> 3 S Eureka	05	1545CST			0	0	0		Thunderstorm Wind
<b>Marshall County</b> La Rose	05	1601CST			0	0	0		Thunderstorm Wind
<b>De Witt County</b> Clinton	05	1605CST			0	0	0		Thunderstorm Wind
Thunderstorm winds blew over a storage building in Clinton.									
<b>Macon County</b> Decatur	05	1610CST			0	0	0		Thunderstorm Wind
A tree was blown down onto a car, though no injuries were reported. No damage estimate was available.									
<b>Mclean County</b> Bloomington Arpt	05	1620CST			0	0	0		Thunderstorm Wind (G53)
A narrow line of severe thunderstorms moved east across Central Illinois. Numerous trees, tree limbs, and power lines were blown down throughout the area with some areas sustaining more serious damage. However, no deaths or injuries were reported.									
<b>ILZ027&gt;031-036&gt;038-040&gt;057-061&gt;063</b>									
<b>Knox - Stark - Peoria - Marshall - Woodford - Fulton - Tazewell - Mclean - Schuyler - Mason - Logan - De Witt - Piatt - Champaign - Vermilion - Cass - Menard - Scott - Morgan - Sangamon - Christian - Macon - Moultrie - Douglas - Coles - Edgar - Shelby - Cumberland - Clark</b>									
	06	0915CST 2000CST			0	0	0		High Wind (G56)



# Storm Data and Unusual Weather Phenomena

April 1997

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

## ILLINOIS, Central

The combination of a strong area of low pressure over Lake Superior and a strong area of high pressure over Texas created very high gradient winds over Central Illinois. Sustained winds averaged between 25 and 40 mph with higher gusts to 65 mph in some areas. These gradient winds blew down numerous trees, tree limbs, and power lines throughout Central Illinois. In Lincoln (Logan County), one tree fell onto a house damaging a porch and deck. No injuries were reported in this incident. Meanwhile, in Galesburg (Knox County) another tree fell onto a house causing extensive roof damage and broke a window in the home, though no injuries were reported. Two miles northeast of Castleton (Stark County), the winds destroyed a two story barn and in Woodford County near El Paso a semi was blown over on US 24, but no injuries were reported. No damage estimates were available for this event.

### **Schuyler County**

**Rushville to  
1 S Ray**

**30 1317CST 0 0 7.8K 0 Thunderstorm Wind**  
**1323CST**

Thunderstorm winds blew down several trees, one of which blocked Route 24 just north of Rushville. In Rushville, the winds damaged the library roof causing \$7,800 in damage. No injuries were reported.

### **Mason County**

**Mason City**

**30 1410CST 0 0 0 Thunderstorm Wind**

Thunderstorm winds destroyed a shed and blew down several power lines in Mason City.

### **Tazewell County**

**7 SW Pekin**

**30 1415CST 0.5 50 0 1 115K 0 Tornado (F0)**

A tornado briefly touched down 7 miles southwest of Pekin in the Country View Estates Subdivision severely damaging a home under construction causing around \$90,000 in damage. Also, the tornado damaged a garage across the street and four other homes in the area sustained minor roof damage with shingles missing. A 20 inch diameter tree was blown down blocking Bass Road. There was one minor injury reported when a man had a piece of sheetrock hit him in the head as he headed for cover, sustaining a minor injury, though he did not seek medical assistance. The total dollar amount of damage is estimated around \$115,000.

### **Christian County**

**2 N Morrisonville to  
1 NE Edinburg**

**30 1419CST 0 0 0 Thunderstorm Wind**  
**1423CST**

A line of storms moved through Christian County causing damage in western portions of the county. The winds blew down several power lines 2 miles north of Morrisonville and at the Commonwealth Edison Plant 4 miles west of Kincaid. Then as the storms travelled east, the winds blew down 2 grain bins onto some power lines in Edinburg and then damaged several roof tops and destroyed a hog building 1 mile northeast of Edinburg. No injuries were reported and no damage estimate was available.

### **Tazewell County**

**Pekin**

**30 1419CST 0 0 Thunderstorm Wind (G58)**

### **Peoria County**

**2 N Princeville**

**30 1430CST 0 0 0 Thunderstorm Wind**

Thunderstorm winds took the roof off of a trailer and blew down several trees 2 miles north of Princeville. No injuries or damage estimate were available.

### **Macon County**

**3 S Blue Mound**

**30 1440CST 0.1 50 0 0 0 0 Tornado (F0)**

A tornado briefly touched down in a field 3 miles south of Blue Mound. No damage was reported.

### **Stark County**

**Bradford**

**30 1445CST 0 0 0 0 Hail (0.75)**

### **Macon County**

**1 W Forsyth to  
Forsyth**

**30 1450CST 0 0 0 Thunderstorm Wind**  
**1451CST**

Thunderstorm winds damaged 3 sheds, destroyed a detached garage, caused minor siding and roof damage to ten homes and blew over a large store sign in Forsyth. No injuries were reported and no damage estimate was available.

### **McLean County**

**2 S Danvers to  
Danvers**

**30 1450CST 0 0 0 Thunderstorm Wind (G58)**  
**1451CST**

Thunderstorm winds damaged two buildings 2 miles south of Danvers. On one of the buildings the barn doors were blown off and up over a two story farm house. Also, at the same time a spotter in Danvers reported a 67 mph wind gust and damage to the grade school (roof flashing was blown off), as well as, a school bus being lifted up onto two wheels. A machine shed was damaged and numerous large tree limbs were blown down. No injuries were reported and no damage estimate was available.

### **Macon County**

**Oreana**

**30 1453CST 0.1 50 0 0 0 Tornado (F0)**

A tornado briefly touched down in Oreana, destroying a mobile home and a barn. No injuries were reported and no damage estimate was available.

### **McLean County**

**Bloomington to  
1 NW Downs**

**30 1500CST 0 0 0 Thunderstorm Wind**  
**1505CST**

Thunderstorm winds blew down a billboard on Veteran's Parkway in Bloomington then knocked down roof trusses of a house under

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ILLINOIS, Central

construction 1 mile northwest of Downs. No injuries were reported and no damage estimate was available.

### **Mclean County** 1.5 E Downs to 3 NE Cooksville

30	1505CST 1517CST	14.5	50	0	0	100K	0	<b>Tornado (F0)</b>
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A tornado first touched down 1.5 miles east of Downs, blowing down a barn which trapped a 32-year old pony for 16 hours. Several other barns, machine sheds, cattle sheds, and grain bins were damaged or destroyed in the area. As the tornado travelled to the northeast, it damaged a barn and grain bin 1 mile north of Holder and a cattle barn was destroyed 2.5 miles north of Holder on Route 9. Further to the northeast the tornado caused \$100,000 in damage to a gas station in Cooksville where two of the three service bays were destroyed and the third one sustained some damage. The fire station and a golf cart business reported minor roof damage. Also, power poles just north of Cooksville were snapped off and others were leaning to the ground. Before the tornado lifted and dissipated, it damaged a large barn 3 miles northeast of Cooksville. No injuries were reported.

### **Piatt County** 5 NW Monticello

30	1507CST			0	0		0	<b>Thunderstorm Wind</b>
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Thunderstorm winds blew off the doors of a shed and a barn 5 miles northwest of Monticello. No injuries were reported and no damage estimate was available.

### **Piatt County** 6 NE Monticello

30	1515CST	0.1	50	0	0	0	0	<b>Tornado (F0)</b>
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A tornado briefly touched down in an open field, near the intersection of I-72 and Route 10. No damage or injuries were reported.

### **Champaign County** Rantoul

30	1530CST			0	0	0	0	<b>Hail (1.50)</b>
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### **Coles County** 3 SE Lerna to 2 S Ashmore

30	1534CST 1542CST			0	0	126K	0	<b>Thunderstorm Wind</b>
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A line of severe thunderstorms moved across Coles County causing a lot of damage. Three miles southeast of Lerna a machine shed, a small storage shed, and a grain bin were destroyed. Also, a motor home, several vehicles, and a house roof sustained minor damage. Numerous trees and tree limbs were blown down as well. At the same time in the Bushton, Fairgrange, and Charleston areas, several trees were blown down, with one causing minor damage to a building. Also, a barn roof and a grain bin were destroyed. As the storms moved further east, winds blew down numerous trees and tree limbs in the Ashmore area. One tree fell onto a house causing \$1,000 in damage and several trees in the local cemetery fell, damaging some grave markers. Also, two large barns were destroyed 2 miles south of Ashmore and numerous homes and other farm buildings sustained minor damage. No injuries were reported and damage was estimated around \$125,950.

### **Cumberland County** Janesville

30	1534CST			0	0	4.2K	0	<b>Thunderstorm Wind</b>
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Thunderstorm winds damaged a house when a tree fell onto it and blew over a shed in Janesville. Also, a walnut tree was uprooted breaking 3 windows of a van parked nearby and the winds moved a bass boat about 150 yards. Damage was estimated around \$4,200 and no injuries were reported.

### **Clark County** Westfield

30	1545CST			0	0	7.8K	0	<b>Thunderstorm Wind</b>
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Thunderstorm winds blew down numerous trees and power lines in Westfield. Two trees fell onto homes causing minor damage. Also, the winds damaged the roof of a mobile home. No injuries were reported but damage was estimated around \$7,800.

### **Edgar County** Paris

30	1557CST			0	0		0	<b>Thunderstorm Wind</b>
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Thunderstorm winds blew over a large tree onto a home in Paris, damaging the roof. No injuries were reported and no damage estimate was available.

### **Richland County** Olney

30	1610CST			0	0		0	<b>Thunderstorm Wind (G52)</b>
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Thunderstorm winds blew down several trees in Olney. Two trees fell onto cars, causing damage but no injuries. Also, numerous tree limbs and power lines were blown down. No damage estimate was available.

### **Lawrence County** Lawrenceville

30	1638CST			0	0		0	<b>Thunderstorm Wind</b>
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Thunderstorm winds blew over several trees in Lawrenceville. No injuries were reported. As a strong area of low pressure moved into the Midwest, severe thunderstorms developed along and ahead of a cold front which moved through Central Illinois during the afternoon and early evening hours. There were numerous reports of trees, tree limbs, and power lines knocked down. Also, 6 tornadoes were reported across the area. Fortunately, only a few minor injuries were reported and no deaths occurred with these tornadoes.

### **Fulton County** .3 SW Fairview to .5 NE Middlegrove

30	1355CST 1400CST	7	100	0	2	450K	0	<b>Tornado (F1)</b>
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# Storm Data and Unusual Weather Phenomena

April 1997

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

## ILLINOIS, Central

<b>Knox County</b> 2.5 S Uniontown to 1.2 E Yates City	30	1400CST 1412CST	7	50	0	0		0	Tornado (F0)
<b>Peoria County</b> .5 W Elmwood to 3.5 N Monica	30	1412CST 1430CST	16	50	0	0	25K	0	Tornado (F0)
<b>Stark County</b> 2 SW Duncan to 2 E Wyoming	30	1430CST 1435CST	8	50	0	0		0	Tornado (F0)

Two storms merged over Northern Fulton County and within a few minutes a tornado developed a quarter of a mile southwest of Fairview (Fulton County). In Fairview, 6 homes sustained extensive damage and 2 had only minor damage. Two people in Fairview sustained minor cuts and bruises, though no one needed to be taken to the hospital. At this time the tornado was F0 in intensity. After leaving Fairview, it travelled to the northeast. When the tornado reached Middle Grove (Fulton County) it was F1 in intensity and damaged 25 homes. The tornado picked up a 27 foot camper trailer and dropped it upside down 50 feet away on the north side of Route 116. Two mobile homes were destroyed, as well as, a garage and six homes sustained extensive damage. Also, numerous trees had their tops taken off and numerous power poles were blown down along Route 116 and just east of Middle Grove. No one in Middle Grove was injured despite half of the homes in the town sustaining some kind of damage. From there the tornado hopped and skipped along a northeast path. It touched down 1.5 miles southwest of Yates City (Knox County), destroying a grain bin and damaging several other buildings, then it touched down 1 mile east of Yates City and 3 miles west northwest of Brimfield (Peoria County), knocking down several power poles in both locations. Four miles northwest of Brimfield, the tornado touched down again, ripping the top floor of a split level home off and destroyed a nearby shed and garage. Two people inside the home escaped uninjured. Then before lifting for the final time, the tornado touched down 2 miles east of Wyoming (Stark County), damaging 3 homes, destroying a machine shed, and blew the roofs off of several barns and grain silos. The damage estimate for Fulton County is around \$450,000 and for Peoria County is around \$25,000. No estimates were available for Knox or Stark Counties.

<b>ILZ027&gt;031-036&gt;038-040&gt;057-061&gt;063-066&gt;068-071&gt;073</b>	<b>Knox - Stark - Peoria - Marshall - Woodford - Fulton - Tazewell - Mclean - Schuyler - Mason - Logan - De Witt - Piatt - Champaign - Vermilion - Cass - Menard - Scott - Morgan - Sangamon - Christian - Macon - Moultrie - Douglas - Coles - Edgar - Shelby - Cumberland - Clark - Effingham - Jasper - Crawford - Clay - Richland - Lawrence</b>	30	1400CST 2359CST		0	1	38K	0	High Wind (G61)
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Strong gradient winds in excess of 50 mph with gusts to around 70 mph followed behind a line of severe thunderstorms as they marched across Central Illinois. The gradient winds lagged behind the thunderstorms by about 20 to 30 minutes and continued during the night finally letting up the next day, May 1st. Thousands of people across Central Illinois lost power for a time as hundreds of power lines were blown down. Several semis were blown over, with one trucker sustaining minor injuries when his semi was overturned near Jacksonville. Also, numerous trees and tree limbs were blown down and widespread structural damage was reported. The gradient winds blew down a 150 foot communications tower in Princeville (Peoria County). No injuries were reported. Homes in Manito (Mason County), Leroy (McLean County), Georgetown (Vermilion County), Effingham (Effingham County), and Olney (Richland County) sustained some damage due to trees falling on them. The gradient winds blew part of the roof off of a grade school gymnasium one mile west of De Land (Piatt County). Damage was estimated around \$32,000 and no injuries were reported. Also, the winds blew the roof off of an apartment building in Towanda (McLean County), though no injuries were reported. Numerous sheds, grain bins, and machine sheds were either blown over, damaged, or destroyed by the gradient winds. Fortunately no deaths or serious injuries were reported.

## ILLINOIS, Northeast

<b>Lee County</b> Countywide	05	1545CST 1610CST			0	0			Thunderstorm Wind (G55)
<b>Ogle County</b> Polo to Hillcrest	05	1550CST 1615CST			0	0			Thunderstorm Wind (G50)
<b>La Salle County</b> Ottawa	05	1555CST 1615CST			0	0			Thunderstorm Wind (G52)
<b>Livingston County</b> Pontiac	05	1600CST 1620CST			0	0			Thunderstorm Wind (G52)
<b>Boone County</b> Nrn Part Of Cnty	05	1705CST 1715CST			0	0			Thunderstorm Wind (G54)

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ILLINOIS, Northeast

### **De Kalb County** Sycamore

05	1620CST 1640CST			0	1			<b>Thunderstorm Wind (G61)</b>
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Wind gust to 70 mph caused a tree branch, carrying power lines, to fall atop a vehicle that sent one passenger to the hospital.

### **Grundy County** Se Part Of Cnty

05	1700CST 1715CST			0	0	70K		<b>Thunderstorm Wind (G52)</b>
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Strong winds caused numerous power outages. A trailer loaded with three snowmobiles was lifted several feet in the air and blown down wind several yards, destroying the trailer and snowmobiles. Approximately seven trees in the area were uprooted and minor structural damages occurred.

### **La Salle County** Ottawa to Serena

05	1640CST 1647CST			0	0			<b>Thunderstorm Wind (G61)</b>
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### **Kane County** Burlington

05	1700CST 1715CST			0	0			<b>Thunderstorm Wind (G52)</b>
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### **Du Page County** Naperville to Lisle

05	1730CST 1740CST			0	0			<b>Thunderstorm Wind (G50)</b>
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### **Lake County** Buffalo Grove to Barrington

05	1745CST 1758CST			0	0			<b>Thunderstorm Wind (G43)</b>
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Strong winds downed trees in Buffalo Grove, Long Grove and Barrington.

### **Cook County** Midway Airport

05	1758CST 1810CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Severe thunderstorms developed ahead of a strong coldfront during the afternoon and continued into the early evening hours. The thunderstorms moved east through north central Illinois, into northeast Illinois and into northwest Indiana, producing damaging winds with gusts in excess of 60 mph. Damages included downed power lines and large trees, broken off tree limbs and shingles ripped off roofs.

Strong thunderstorm winds were the cause of a storage building in Plato Center, in Kane County Illinois, to loose its roof, a home north of Elburn, Illinois to loose all of its siding and barns along Burlington Blacktop at Illinois 47 were stripped of shingles and sheeting.

### **ILZ003**

	<b>Winnebago</b>							
06	0900CST			0	0			<b>High Wind (G56)</b>

### **ILZ004**

	<b>Boone</b>							
06	1000CST			0	0			<b>High Wind (G52)</b>

### **ILZ005**

	<b>Mchenry</b>							
06	1500CST			0	0			<b>High Wind (G61)</b>

### **ILZ008**

	<b>Ogle</b>							
06	1200CST 1300CST			0	0			<b>High Wind (G61)</b>

### **ILZ012**

	<b>Kane</b>							
06	1400CST 1730CST			0	0			<b>High Wind (G62)</b>

### **ILZ013**

	<b>Du Page</b>							
06	1430CST			0	0			<b>High Wind (G48)</b>

### **ILZ022**

	<b>Will</b>							
06	1300CST			0	0			<b>High Wind (G52)</b>

### **ILZ032**

	<b>Livingston</b>							
06	1700CST			0	0			<b>High Wind (G60)</b>

### **ILZ021**

	<b>Grundy</b>							
06	2130CST			0	0	10K		<b>High Wind (G59)</b>

Strong winds with sustained speeds of 35 to 45 mph, with gusts to 74 mph, occurred with a low pressure system that moved east over the Great Lakes region. The high winds resulted in downed tree branches, power lines and signs. Some minor structural damage, mostly to rooftops, was reported throughout north central and northeast Illinois.

Damages included; the Holiday Inn sign at IL Rt. 47 and I-80 was blown down; damage estimated at \$10,000.00. A single engine plane at the DuPage airport was blown over, part of the roof was blown off at the Elgin Planterium, a tree fell and crushed an

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ILLINOIS, Northeast

attached garage in Libertyville and strong winds tore off part of an apartment building's roof in Woodridge

**Iroquois County**  
**Watseka**      **30**    **1659CST**      **0**    **0**      **Thunderstorm Wind (G52)**

**ILZ014**      **Cook**  
**06**      **1315CST**  
              **1700CST**      **0**    **0**      **High Wind (G61)**

**ILZ006**      **Lake**  
**06**      **1140CST**  
              **1900CST**      **0**    **1**      **High Wind (G64)**

Debris flying from the roof of an apartment building hit a 3 year-old girl above her left eye.

**ILZ014**      **Cook**  
**30**      **1816CST**  
              **2012CST**      **0**    **0**      **High Wind (G40)**

**ILZ013**      **Du Page**  
**30**      **2039CST**      **0**    **0**      **High Wind (G36)**

**ILZ022**      **Will**  
**30**      **2121CST**      **0**    **0**      **High Wind (G43)**

Very strong winds behind a cold front produced wind gusts to 45 to 65 mph across northern Illinois between 6pm and midnight. High winds caused an estimated \$80,000.00 damage to a strip mall under construction at Beecher in Eastern Will County, near the Indiana state line.

**Ford County**  
**Countywide**      **30**    **1545CST**      **0**    **0**      **Thunderstorm Wind**

**Livingston County**  
**Countywide**      **30**    **1545CST**      **0**    **0**    **0**      **Thunderstorm Wind**  
Strong winds downed tree limbs and power lines in both Ford and Livingston counties.

**Mchenry County**  
**Union**      **05**    **1815CST**      **0**    **0**    **0**      **Thunderstorm Wind**  
Trees downed north of Union, in the town of Hartland.

## ILLINOIS, Northwest

**ILZ001>002-007-009-015>018-024>026-034>035**      **Jo Daviess - Stephenson - Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - McDonough**

**06**      **0800CST**  
              **1800CST**      **0**    **0**    **1.6M**      **High Wind (G54)**

Strong gradient winds howled across the area during the morning and early afternoon hours. Widespread and significant damage was done to trees and power lines. Isolated roof and other structural damage also occurred along with several reports of semi-trucks being blow off the roads.

One Quad City roofer was quoted as saying: "I've been a roofer for 27 years and I've never experienced anything like this." Reports indicated damage was mostly done to new roofs whose shingles had not completely sealed.

The high winds also contributed to the spread of two grassland fires near Savana in Carroll county Illinois. The first fire spread to a horse barn destroying it, with some animals trapped inside. The second fire destroyed a milking parlor. The total damage was estimated at \$120,000.

Gusts at specific airport locations: Moline, Illinois 52 knots, Sterling, Illinois 54 knots.

**Stephenson County**  
**Freeport**      **05**    **1636CST**      **0**    **0**      **Thunderstorm Wind (G52)**  
Trees and power lines downed.

**Henderson County**  
**Oquawka**      **05**    **1410CST**      **0**    **0**      **Thunderstorm Wind (G65)**  
Numerous trees downed.

**McDonough County**  
**Macomb**      **05**    **1425CST**      **0**    **0**      **Thunderstorm Wind (G50)**  
Trees down.

**Mercer County**  
**Joy**      **05**    **1435CST**      **0**    **0**      **Thunderstorm Wind (G52)**  
Small shed blown over.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>ILLINOIS, Northwest</b>									
<b>Warren County</b> Alexis	05	1445CST			0	0			Thunderstorm Wind (G50)
									Building damaged, trees downed.
<b>Mercer County</b> North Henderson	05	1450CST			0	0			Thunderstorm Wind (G52)
									Power pole downed.
<b>Mercer County</b> 5 W Aledo to Aledo	05	1455CST			0	0			Thunderstorm Wind (G50)
									Numerous large tree limbs downed.
<b>Mercer County</b> New Windsor	05	1455CST			0	0			Thunderstorm Wind (G50)
									Trees and power lines downed.
<b>Warren County</b> 8 NW Monmouth	05	1458CST			0	0			Thunderstorm Wind (G52)
									A shed and several trees blown down. A boat was thrown 75 feet.
<b>Warren County</b> 5 NW Monmouth	05	1458CST			0	0			Thunderstorm Wind (G52)
									Power pole blown down.
<b>Henry County</b> Geneseo	05	1528CST			0	0			Thunderstorm Wind (G52)
									Power lines downed.
<b>Whiteside County</b> Prophetstown	05	1540CST			0	0			Thunderstorm Wind (G50)
									Trees downed.
<b>Whiteside County</b> Prophetstown	05	1540CST			0	0			Thunderstorm Wind (G70)
									Roof partially blown off building.
<b>Whiteside County</b> Rock Falls	05	1545CST			0	0			Thunderstorm Wind (G52)
									Trees downed.
<b>Bureau County</b> Princeton	05	1555CST			0	0			Thunderstorm Wind (G52)
									Trees downed.
<b>Putnam County</b> Countywide	05	1605CST			0	0			Thunderstorm Wind (G50)
									Trees downed.
<b>Carroll County</b> Mt Carroll	05	1616CST			0	0			Thunderstorm Wind (G50)
									Trees downed.
<b>Jo Daviess County</b> Countywide	05	1635CST			0	0			Thunderstorm Wind (G52)
									Widespread tree damage reported across the county.
<b>Stephenson County</b> Lena	05	1636CST			0	0			Thunderstorm Wind (G50)
									Shows and a few thunderstorms swept through the area mixing stronger winds aloft to the surface. No hail and little lightning was associated with the precipitation however, areas of intense wind damage were associated with the passage of the precipitation. Widespread damage to trees and power lines temporarily closed roads and interrupted electrical service to as many as a quarter million customers across the area.
<b>Bureau County</b> 13 S Princeton	30	1440CST			0	0			Thunderstorm Wind (G61)
									Thunderstorm winds toppled a 200 foot communication tower.
<b>Bureau County</b> .7 N Milo	30	1450CST			0	0	20K		Thunderstorm Wind (G60)
									Thunderstorm winds damaged two out buildings and destroyed a grain bin.
<b>Carroll County</b> Savanna	30	1335CST			0	0			Hail (0.75)

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ILLINOIS, Northwest

**ILZ034 Hancock**  
30 1605CST 0 0 High Wind (G44)

**ILZ017 Bureau**  
30 1900CST 0 0 6K High Wind (G52)  
Gradient winds blew down walls at a construction site.

**Hancock County**  
3 SE Warsaw to 2 S Warsaw 30 1250CST 1 20 0 0 400K Tornado (F0)  
1252CST

**Hancock County**  
2 S Warsaw to 1 S Warsaw 30 1252CST 1 20 0 0 400K Tornado (F0)  
1254CST

**Hancock County**  
1 S Warsaw to .5 S Warsaw 30 1254CST 0.5 20 0 0 400K Tornado (F1)

A tornado tracked nearly three miles across mostly open farm land but still managed to strike five farms destroying several outbuildings and over 20 power poles.

As the storm neared Warsaw, Illinois, nearly 50 homes sustained damage to windows from downed trees and flying debris. One home was damaged when a large 130 year old Oak tree toppled over. The tree destroyed the porch, carport, and the two family vehicles. Most disturbing, was that the tree crashed into the home and blocked the stairs to the basement just as the family attempted to take cover from the tornado. The family was unharmed.

**Hancock County**  
4 W St Mary to 1 NE Fountain Green 30 1303CST 12 10 0 0 20K Tornado (F0)  
1319CST

**Mcdonough County**  
2 SW Blandinsville to Blandinsville 30 1319CST 2 20 0 0 20K Tornado (F1)  
1325CST

**Warren County**  
17 SW Roseville to Roseville 30 1325CST 17 10 0 0 20K Tornado (F0)  
1445CST

A tornado made a series of "touches" over nearly 15 miles and two counties before dissipating. Little damage was reported until the storm neared Blandinsville, where it destroyed 3 farm buildings and tore the roofs off a home and a warehouse. The tornado also snapped 13 power poles near Blandinsville.

**Mcdonough County**  
1 N Industry to 2 N Industry 30 1330CST 1 10 0 0 20K Tornado (F0)  
1335CST

A tornado touched down near a farm and destroyed one wood frame barn and damaged one tin shed and one grain bin. Numerous power lines and trees were also reported downed.

**Henry County**  
2 SW Galva to 1 E Galva 30 1430CST 2 10 0 0 20K Tornado (F0)

No damage was reported from several weak tornado touchdowns.

**Bureau County**  
13 S Princeton 30 1440CST 1 20 0 0 20K Tornado (F1)

A 200 foot communication tower was found toppled.

**ILZ015>018-024>026-034>035 Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - Mcdonough**

10 0600CST 0 0 Heavy Snow  
12 2000CST

A foot to a foot and a half of heavy wet snow fell in several waves of heavy snow. Snow was heavy enough to cause the collapse of many roofs. Most of the roofs were those of sheds, barns, and carports but some well built flat roofed businesses were also damaged along with many area trees. Winds remained under 15 mph throughout the event and this combined with the heavy nature of the snow kept drifting to a minimum.

Perhaps the greatest impact of the storm was that most cities had to re-tool their trucks for snow removal after many of them had just modified them for summer duty. The late season snow also slowed sand bagging efforts on the Mississippi River.

**ILZ001-007-009-015-024>025-034 Jo Daviess - Carroll - Whiteside - Rock Island - Mercer - Henderson - Hancock**

08 0600CST 0 0 Flood  
30 2000CST

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ILLINOIS, Northwest

Spring snowmelt from very heavy snow cover across the upper basin brought significant flooding to portions of the Mississippi River. Several locations reached the third through fifth highest crests of record. Crests might have been higher; however, precipitation for March and April over Iowa and Illinois was well below normal, therefore the area tributary rivers contributed very little to the crest.

Economic impacts were significant; however, because the initial forecasts from the River Forecast Center were quite good, most of the cost of the flood was due to preventative measures rather than flood repairs or replacement. Commerce was impacted with barge navigation on the Mississippi River and train travel along the river suspended for up to two weeks.

## ILLINOIS, South

**ILZ075-080>087-091**

**Jefferson - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Hardin**  
**10 0600CST 0 0 Heavy Snow**  
**1100CST**

A very unusual April snowstorm affected a small part of southern Illinois. The narrow path of snow extended from the Mt. Vernon and Carbondale areas to around Shawneetown on the Ohio River. The highest snowfall total was 6 inches in Willisville. About five inches of snow fell at Du Quoin, and three to four inches fell at Harrisburg, Herrin, and Zeigler. The Marion and Carbondale areas received 1 to 3 inches. The wet, slushy snow accumulated mostly on grassy areas. There was enough on the roads to cause some accidents. The state police district headquarters at Du Quoin reported 17 traffic wrecks. A head-on collision along Route 37 near West Frankfort injured two persons. Another head-on collision along U.S. 51 near Du Quoin injured 3 persons. The snow melted rather quickly as temperatures rose into the 40s later in the day.

**ILZ075>078-080>094**

**Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac**  
**18 0300CST 0 0 Frost**  
**0700CST**

An unseasonably cold April caused problems for growers, especially fruit growers. The peach crop was especially vulnerable because above normal temperatures in March caused peach trees to blossom early. Lows on April 18 were in the upper 20s in some of the colder valleys. A fruit grower in Union County estimated nearly half of his peach crop was destroyed by cold temperatures.

### **Alexander County**

**Sandusky**

**20 2235CST 0 0 Thunderstorm Wind (G53)**  
 The county sheriff department reported trees down.

### **Johnson County**

**Vienna**

**20 2233CST 0 0 Thunderstorm Wind (G52)**  
 A wind gust to 60 MPH was estimated by the county sheriff department.

### **Pulaski County**

**Karnak**

**20 2250CST 0 0 Thunderstorm Wind (G50)**  
 Power lines were down.

### **Union County**

**Anna**

**20 2223CST 0 0 5K Thunderstorm Wind**  
 Trees and power lines were blown down.

### **Massac County**

**1 N Metropolis**

**20 2258CST 0 0 3K Thunderstorm Wind**  
 Power lines were down.

### **Pope County**

**Golconda**

**20 2250CST 0 0 Thunderstorm Wind (G50)**  
 Wind gusts were estimated near 58 MPH at the sheriff department.

### **Hardin County**

**Rosiclare**

**20 2240CST 0 0 Hail (0.75)**  
 In addition to the hail, winds gusted to around 50 MPH.

### **Wayne County**

**Fairfield**

**30 1545CST 0 0 15K Thunderstorm Wind**  
 A roof was blown off, and power lines were down.

### **Gallatin County**

**4 NW Shawneetown**

**30 1810CST 0 0 4K Thunderstorm Wind**  
 A power pole was snapped between Shawneetown and Ridgeway. Large limbs were down countywide.

**ILZ075>078-080>094**

**Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac**  
**30 1300CST 0 0 20K High Wind (G52)**  
**1800CST**

Strong southwest winds, not related to thunderstorms, gusted between 50 and 60 MPH during the late afternoon. Scattered reports of downed trees and power lines were received. Large sections of Murphysboro were without power, as were parts of Marion,



# Storm Data and Unusual Weather Phenomena

April 1997

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

## ILLINOIS, South

Carbondale, Anna, and Harrisburg.

## ILLINOIS, Southwest

**ILZ058>060-064>065-095>102** **Greene - Macoupin - Montgomery - Bond - Fayette - Adams - Brown - Pike - Calhoun - Jersey - Madison - St. Clair - Monroe**

**10 0800CST 0 0 Winter Storm**  
**1400CST**

A spring snow storm caught many residents of west and southwest Illinois by surprise the morning and afternoon of April 10. 2 to 4 inches of snow fell in west Illinois in the Quincy area with up to 6 inches falling in southwest Illinois adjacent to St. Louis. Numerous outdoor activities were cancelled and some trees were damaged by the heavy wet snow.

### **Macoupin County**

**Girard 18 2115CST 0 0 Hail (0.75)**  
Amateur radio spotters reported 3/4 inch hail.

### **Montgomery County**

**Harvel 18 2130CST 0 0 Hail (0.75)**  
Amateur radio spotters reported 3/4 inch hail.

### **Greene County**

**Carrollton 18 2220CST 0 0 Hail (0.88)**  
County Sheriff reported nickel size hail.

### **Madison County**

**Godfrey 18 2312CST 0 0 Hail (1.75)**  
County Sheriff reported golfball size hail.

### **Madison County**

**Alton 18 2314CST 0 0 Hail (1.75)**  
Amateur radio spotters reported golfball size hail.

### **Madison County**

**Collinsville 18 2337CST 0 0 Hail (0.75)**  
Amateur radio spotters reported 3/4 inch hail.

### **Adams County**

**1 N Meyer to 1 NE Meyer 30 1222CST 1 50 0 0 Tornado (F0)**  
**1225CST**

A tornado left an intermittent path of damage from south central Lewis County, Missouri into Adams County, Illinois. A machine shed was destroyed near Ewing where the tornado first formed. The storm moved quickly northeast causing intermittent tree damage and some roof damage to homes and outbuildings until it approached Canton. On the northwest side of Canton 4 homes suffered major roof damage. According to emergency management officials, 10 homes suffered major roof damage, another 30 minor damage. About 20 outbuildings were destroyed. Once the tornado crossed the Mississippi River into Illinois, the tornado weakened and only caused tree damage. There was injury near Canton. An 18 year-old man suffered some bruised when he was thrown down some stairs when the roof of his home flew off.

### **Adams County**

**10 NW Quincy to 1 SE Marcelline 30 1225CST 8 50 0 0 Tornado (F0)**  
**1233CST**

A small tornado formed just west of La Grange, Missouri and moved northeast into Illinois. In La Grange, some trees and power lines were downed, homes suffered minor roof damage and some windows were broken. In Illinois, some outbuildings were destroyed near Marcelline.

### **Adams County**

**2 SW Ursa to 1 E Lorraine 30 1235CST 13 50 0 0 5K Tornado (F0)**  
**1243CST**

A small tornado formed near Ursa and moved northeast to near Lorraine. Damage was limited to a couple of outbuildings and some downed trees.

### **Macoupin County**

**Medora 30 1330CST 0 0 Thunderstorm Wind (G52)**  
Thunderstorm winds damaged a few outbuildings.

### **Macoupin County**

**Medora 30 1335CST 0 0 Hail (0.75)**  
Amateur radio spotters reported 1 inch hail.

### **Madison County**

**Highland 30 1345CST 0 0 Thunderstorm Wind (G52)**  
Amateur radio spotters reported trees and power lines down in the Highland area.

### **St. Clair County**

**Collinsville 30 1335CST 0 0 Thunderstorm Wind (G52)**  
Amateur radio spotters reported trees and power lines down near Collinsville.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## ILLINOIS, Southwest

<b>Randolph County</b> Sparta	30	1400CST			0	0			Hail (0.75)
Skywarn spotters reported 3/4 inch hail.									
<b>Washington County</b> Nashville	30	1503CST			0	0			Thunderstorm Wind (G52)
County Sheriff reported trees and power lines down near Nashville.									
<b>Montgomery County</b> 4 N Raymond	30	1405CST	0.1	25	0	0			Tornado (F0)
Amateur radio spotters reported a brief tornado touchdown in an open field north of Raymond.									
<b>ILZ058&gt;060-064&gt;065-069&gt;070-074-079-095&gt;102</b>	30	1300CST 1700CST			0	0			High Wind (G45)
West to northwest winds of 30 to 40 with gusts in excess of 50 blew in behind a cold front causing widespread damage. Most damage was limited to trees, powerlines, outbuildings, and signs. Some roofs lost shingles as well.									
<b>Adams County</b> 1 S (Uin)Quincy Muni Arp to 1 SE (Uin)Quincy Muni Arp	05	1330CST 1335CST	1.5	50	0	0	10K		Tornado (F0)

Eyewitnesses reported a small tornado which caused damage on a couple of farms near the Quincy Airport. Several farm buildings were damaged as were some grain silos. A garage was nearly destroyed damaging the truck inside. Three window wells on a home were pulled from the ground and found about 150 feet away.

## **ILZ095>097**

<b>Adams - Brown - Pike</b>	05	1500CST 2000CST			0	0			High Wind (G50)
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Gradient winds behind a strong cold front gusted to around 60 mph from mid afternoon into the evening. Trees and power lines were downed, outbuildings damaged, roof shingles torn off, and outdoor signs damaged.

## INDIANA, Central

<b>INZ021&gt;023-028&gt;031-035&gt;049-051&gt;057-060&gt;065-067&gt;072</b>	06	1200EST 2100EST			0	0			High Wind (G49)
Strong cold front approaching from the west brought significant large scale wind to nearly all of Indiana. Scattered power outages were reported across much of the area. Numerous trees were also blown down. There were also reports of some minor structural damage in Boone and Miami Counties.									
<b>Vermillion County</b> Cayuga	30	1722EST 1725EST			0	0	0.50K		Thunderstorm Wind
Thunderstorm winds blew down trees in Cayuga.									
<b>Parke County</b> Turkey Run Sp	30	1710EST 1712EST			0	0	1K		Thunderstorm Wind
Thunderstorm winds blew down trees and power lines in Darlington.									
<b>Knox County</b> Vincennes	30	1753EST 1755EST			0	0			Thunderstorm Wind
Thunderstorm winds estimated to 60 mph blew down trees in Vincennes.									
<b>Knox County</b> Vincennes	30	1800EST 1801EST			0	0			Thunderstorm Wind (G59)
<b>Montgomery County</b> Darlington	30	1755EST 1757EST			0	0	0.50K		Thunderstorm Wind
Trees blown down in darlington.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>INDIANA, Central</b>									
<b>Tippecanoe County</b>									
Americus	30	1810EST 1811EST			0	0			Thunderstorm Wind
			Thunderstorm winds blew trees down in the northeast part of the county.						
<b>Daviess County</b>									
Jasonville	30	1816EST 1817EST			0	0	0.50K		Thunderstorm Wind
			Trees blown down.						
<b>Daviess County</b>									
Elnora	30	1817EST 1818EST			0	0			Thunderstorm Wind
			Tree and power lines downed by thunderstorms in Elnora.						
<b>Greene County</b>									
Marco	30	1818EST 1819EST			0	0			Thunderstorm Wind
			Tree blown down on vehicle at Marco.						
<b>Boone County</b>									
7 SE Lebanon	30	1815EST 1816EST			0	0			Thunderstorm Wind (G51)
<b>Greene County</b>									
Bloomfield	30	1824EST 1825EST			0	0			Hail (1.00)
<b>Greene County</b>									
Worthington	30	1824EST 1825EST			0	0	0.50K		Thunderstorm Wind
			Thunderstorm winds blew down several trees in Worthington.						
<b>Clay County</b>									
Clay City	30	1845EST 1846EST			0	0	0.50K		Thunderstorm Wind
			Thunderstorm winds blew down trees between Clay City and Bowling Green.						
<b>Monroe County</b>									
Ellettsville	30	1841EST 1842EST			0	0			Thunderstorm Wind
			Thunderstorm winds blew down trees in Ellettsville.						
<b>Lawrence County</b>									
3 S Bedford	30	1839EST 1840EST			0	0	0.50K		Thunderstorm Wind
			Thunderstorm winds blew down trees south of Bedford.						
<b>Bartholomew County</b>									
Hope	30	1945EST 1946EST			0	0	0.50K		Thunderstorm Wind
			Thunderstorm winds blew down trees in northeast part of county.						
<b>Boone County</b>									
Whitestown	30	1856EST 1857EST			0	0			Thunderstorm Wind (G51)
<b>Knox County</b>									
Wheatland	30	1857EST 1858EST			0	0	0.50K		Thunderstorm Wind
			Thunderstorm winds blew down trees and power lines in Wheatland.						
<b>Daviess County</b>									
Elnora	30	1900EST 1901EST			0	0	0.50K		Thunderstorm Wind
			Thunderstorm winds blew down trees in Elnora.						
<b>Daviess County</b>									
Odon	30	1902EST 1903EST			0	0	0.50K		Thunderstorm Wind
			Trees blown down in Odon.						
<b>Brown County</b>									
Peoga	30	1845EST 1846EST			0	0	0.50K		Thunderstorm Wind

# Storm Data and Unusual Weather Phenomena

April 1997

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

## INDIANA, Central

Trees blown down in extreme northeast part of county.

### **Johnson County Greenwood**

30	1920EST 1921EST					0	0	2K	Thunderstorm Wind
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Thunderstorm winds snapped power poles on the south side of Greenwood along US31 and Stop 18.

### **Shelby County Pleasant View**

30	1920EST 1921EST					0	0	0.50K	Thunderstorm Wind
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Trees blown down by thunderstorm winds.

### **Martin County Burns City**

30	2004EST 2005EST					0	0	0.50K	Thunderstorm Wind
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Thunderstorm winds blew trees down.

### **Hancock County Maxwell**

30	1935EST 1936EST					0	0		Thunderstorm Wind (G52)
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### **Hancock County New Palestine**

30	1930EST 1931EST					0	0		Thunderstorm Wind
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Trees blown down.

## INDIANA, Northeast

### **INZ006**

#### **LaGrange**

06	1200EST 2000EST					0	0	15K	High Wind (G50)
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Trees and powerlines were downed across LaGrange County due to winds gusting to near 60 mph. Additionally, the roof of Redman Industries in Topeka was partially blown off.

## INDIANA, Northwest

### **Lake County**

#### **Gary to Valparaiso**

05	1800EST 1825EST					0	0		Thunderstorm Wind (G55)
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Severe thunderstorms developed ahead of a strong coldfront during the afternoon and continued into the early evening hours. The thunderstorms moved east through northwest Indiana, producing damaging winds with gusts in excess of 60 mph. Damages included downed power lines and large trees, broken off tree limbs and shingles ripped off roofs.

### **Marshall County Plymouth**

30	1820EST					0	0		Thunderstorm Wind
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Strong winds downed power lines and trees.

### **Jasper County Rensselaer**

30	1738EST					0	2		Thunderstorm Wind
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Strong winds resulted in downed trees, roofs torn off farm buildings, semi overturned on I-55 and a man injured when a farm tractor was overturned.

### **Lake County Scherverville to Cedar Lake**

30	1744EST					0	0	0	Thunderstorm Wind
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Strong winds downed power lines and trees at Scherverville. Trees were uprooted at Cedar Lake.

### **Pulaski County Nrn Part Of Cnty**

30	1800EST					0	0		Thunderstorm Wind
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Strong winds damaged trees and power lines mainly in the northern part of the county.

### **St. Joseph County Mishawaka**

30	1840EST					0	0		Thunderstorm Wind
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Wind damaged trees and power lines were downed.

### **Elkhart County Elkhart Muni Arpt**

30	1850EST					0	0		Thunderstorm Wind (G65)
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A 75 mph wind gust downed tree limbs in Elkhart. Although funnel clouds were sighted, there was no confirmation of tornadoes.

### **INZ019**

#### **Benton**

30	2110EST					0	0		High Wind (G57)
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# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>INDIANA, Northwest</u></b>									
<b>INZ005</b>	<b>Elkhart</b>								
	<b>30</b>	<b>2123EST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G46)</b>
<b>INZ004</b>	<b>St. Joseph</b>								
	<b>30</b>	<b>2230EST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G45)</b>
<p>Very strong winds behind a cold front produced wind gusts of 45 to 65 mph across northern Indiana between 6pm and midnight. High winds caused an estimated \$80,000.00 damage to a strip mall under construction at Beecher in Eastern Will County, Illinois, near the Indiana state line.</p> <p>Strong winds overturned a truck in Fowler and farm building roofs to be damaged.</p>									
<b>Newton County</b>									
<b>Countywide</b>	<b>30</b>	<b>1745EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind</b>
<p>Strong winds downed twelve power poles and blew a couple of grain bins over.</p>									
<b><u>INDIANA, South Central</u></b>									
<b>Crawford County</b>									
<b>Curby</b>	<b>30</b>	<b>2000EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G57)</b>
<p>A 67 mph gust was reported by a spotter.</p>									
<b>Dubois County</b>									
<b>Jasper</b>	<b>30</b>	<b>2010EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
<p>Several trees down.</p>									
<b>Orange County</b>									
<b>Paoli</b>	<b>30</b>	<b>2025EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
<p>Several trees down.</p>									
<b>Orange County</b>									
<b>French Lick</b>	<b>30</b>	<b>2025EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
<p>Several trees down.</p>									
<b>Floyd County</b>									
<b>New Albany</b>	<b>30</b>	<b>2120EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind (G60)</b>
<p>A roof was ripped off a commercial building. Also, many trees were reported down.</p>									
<b>Perry County</b>									
<b>4 SW Bristow to Oriole</b>	<b>30</b>	<b>2100EST</b>	<b>15</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>300K</b>		<b>Tornado (F1)</b>
		<b>2130EST</b>							
<p>An F1 tornado cut a 15 mile path across north central Perry county. The hardest hit areas were Apalona and Branchville. 2 mobile homes were destroyed in Apalona, and numerous roofs were lifted off houses in Branchville. Also, numerous trees were blown down with twisting evident on photographs sent by local DES.</p>									
<b>Harrison County</b>									
<b>Corydon</b>	<b>30</b>	<b>2110EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
<p>Trees and power lines down.</p>									
<b>Washington County</b>									
<b>Pekin</b>	<b>30</b>	<b>2115EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
<p>Trees and power lines down.</p>									
<b>Clark County</b>									
<b>Jeffersonville</b>	<b>30</b>	<b>2120EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
<p>Trees and power lines down.</p>									
<b>Clark County</b>									
<b>Underwood</b>	<b>30</b>	<b>2120EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind (G50)</b>
<p>Trees and power lines down. One tree fell on a house damaging it.</p>									
<b><u>INDIANA, Southeast</u></b>									
<b>Fayette County</b>									
<b>Connersville</b>	<b>30</b>	<b>2030EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>		<b>Lightning</b>
<p>Lightning struck an antenna causing the roof to which it was mounted to catch on fire.</p>									
<b>Franklin County</b>									
<b>Andersonville</b>	<b>30</b>	<b>1955EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>2000EST</b>							
<p>Numerous trees downed.</p>									
<b>Franklin County</b>									
<b>Brookville</b>	<b>30</b>	<b>2020EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>2025EST</b>							
<p>Numerous trees and power lines downed.</p>									

# Storm Data and Unusual Weather Phenomena

April 1997

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

## INDIANA, Southwest

<b>INZ081&gt;082-085&gt;088</b>	<b>Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer</b>								
	18	0300CST 0700CST			0	0			Frost
	An unseasonably cold April caused problems for some growers, especially fruit growers. The peach crop was especially vulnerable because mild temperatures in March resulted in early blossoms. The low on April 18 was 30 degrees at Evansville.								
<b>Vanderburgh County Evansville</b>	30	1840CST			0	0	4K		Thunderstorm Wind
	Trees and power lines were down on the west side of Evansville.								
<b>Posey County Mt Vernon</b>	30	1826CST			0	0			Thunderstorm Wind (G50)
	Power lines were down.								
<b>Warrick County Newburgh</b>	30	1900CST			0	0			Hail (0.75)
<b>INZ081&gt;082-085&gt;088</b>	<b>Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer</b>								
	30	1300CST 1800CST			0	0	5K		High Wind (G52)
	Strong southwest winds, not related to thunderstorms, gusted between 50 and 60 MPH on hilltops and southwest-facing exposures. At the Evansville Airport, the highest gust was near 45 MPH during the late afternoon. Power lines were blown down near Petersburg in Pike County around 4 P.M.								

## IOWA, Central

<b>Davis County Bloomfield</b>	05	1305CST			0	0	75K		Thunderstorm Wind (G65)
<b>Wapello County Ottumwa</b>	05	1315CST			0	0	20K		Thunderstorm Wind (G55)
<b>Mahaska County 5 S Oskaloosa</b>	05	1405CST			0	0			Funnel Cloud
<b>Marshall County Haverhill to Liscomb</b>	05	1420CST			0	0	50K		Thunderstorm Wind (G55)
<b>Black Hawk County Waterloo</b>	05	1508CST			0	0	50K		Thunderstorm Wind (G57)
<b>Black Hawk County Waterloo</b>	05	1512CST			0	0	10K		Thunderstorm Wind (G52)
<b>Bremer County Plainfield</b>	05	1530CST 1545CST			0	0	100K		Thunderstorm Wind (G65)
	The seasons first severe weather outbreak occurred on the afternoon of the 5th as an intensifying storm system approached the state from the southwest. A warm front was stretched across the state and the thunderstorms that developed during the early afternoon occurred in the vicinity of the warm front. The main feature with these storms was high winds with gusts to around 75 MPH in some locations. There were numerous reports of trees and power lines downed by high winds. Significant is the fact that the trees had not yet leafed out yet. The winds took the roof off of an elementary school in Bloomfield as one of the stronger storms moved through. In Plainfield, high winds removed the roofs from two buildings there. There was one report of a funnel cloud in Mahaska County, south of Oskaloosa. The funnel never did touchdown however.								
<b>Crawford County Charter Oak</b>	05	1825CST			0	0	50K		Hail (1.75)
<b>Crawford County 2 N Charter Oak</b>	05	1829CST			0	0	2K		Hail (1.25)
	Thunderstorms erupted later in the afternoon in association with the storm system mentioned above. These storms formed ahead of the cold front with one of them becoming severe in Crawford County as it became a small supercell. The storm produced hail up to golf ball in size as it moved through the city. Damage was caused to some vehicles and roofs in the town.								
<b>IAZ004&gt;007-015&gt;017- 023&gt;028-033&gt;039- 044&gt;050-057&gt;062- 070&gt;075-081&gt;086- 092&gt;097</b>	<b>Emmet - Kossuth - Winnebago - Worth - Palo Alto - Hancock - Cerro Gordo - Pocahontas - Humboldt - Wright - Franklin - Butler - Bremer - Sac - Calhoun - Webster - Hamilton - Hardin - Grundy - Black Hawk - Crawford - Carroll - Greene - Boone - Story - Marshall - Tama - Audubon - Guthrie - Dallas - Polk - Jasper - Poweshiek - Cass - Adair - Madison - Warren - Marion - Mahaska - Adams - Union - Clarke - Lucas - Monroe - Wapello - Taylor - Ringgold - Decatur - Wayne - Appanoose - Davis</b>								
	06	0900CST 1800CST			0	0	1.8M		High Wind (G55)
	The storm system that moved through Iowa the day before was located to the north of the state on the morning of the 6th. High winds developed in the wake of the deepening storm system. Central pressure of the storm was below 975 mb at the time. Winds								

# Storm Data and Unusual Weather Phenomena

April 1997

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

## IOWA, Central

of 30 to 45 MPH overspread the state during the early morning hours and became gusty by mid day. Gusts were frequently above 55 MPH and in some cases over 60 MPH. The high winds persisted through much of the day. Damage was widespread around the state. There were numerous reports of damage to trees, powerlines, and out buildings. There were also a few reports of overturned high profile vehicles. Some of the higher gusts included a 62 MPH wind gust at Ottumwa, 61 MPH gust at Storm Lake, the National Weather Service Office in Johnston, Waterloo, and Oelwein, and numerous locations reporting gusts of 60 MPH. Unofficial reports placed winds of 65 to over 70 MPH over scattered areas of the state, especially over the east half. Most reporting stations in the state recorded winds of at least 55 MPH.

**IAZ074>075-083>086-092>097** **Marion - Mahaska - Clarke - Lucas - Monroe - Wapello - Taylor - Ringgold - Decatur - Wayne - Appanoose - Davis**

<b>10</b>	<b>0500CST</b>	<b>0</b>	<b>0</b>	<b>1.6M</b>	<b>Heavy Snow</b>
<b>11</b>	<b>1600CST</b>				

A strong baroclinic frontal boundary formed to the south of Iowa during the night of the 9th and morning of the 10th. Warm air riding north on a southern flow in the low levels of the atmosphere over ran cold air at the surface. Wind speeds in the low level jet were between 50 and 65 MPH. The frontal boundary moved north very little as a strong Arctic high pressure cell nearly 1040 mb in strength remained poised to the north of Iowa. Snow broke out during the predawn hours of the 10th. At first accumulations were not very heavy. Thunderstorms formed over Kansas and moved rapidly northeast into Iowa. Snowfall rates picked up with heavy snow over the southern part of the state by the mid morning hours. There were several waves of convection roll through the state during the following 24 to 36 hour period. Temperatures were close to freezing through the entire storm and it was fortunate that winds were generally under 20 MPH. The snow was very wet and heavy. It quickly caked on trees and powerlines bringing them down. The incredible thing was the amounts of snow that fell. Most of the snow fell during the day on the 10th, with total accumulations of over 24 inches over southern Wayne, Appanoose, and Davis Counties. The actual snowfall will probably never really be known as this was a long duration event. The ground was above freezing with air temperatures at to just above freezing. This lead to a great deal of compaction of the snow. If not for these factors, it is very likely that true totals would have been in excess of 30 inches for the storm. This estimate was confirmed by unofficial observations. The heavy wet snow caused problem over far southern Iowa. There were numerous reports of roof collapses. At least seven buildings collapsed in Davis County. In Appanoose County, the roof of the the firestation in Centerville collapsed under the weight of the heavy snow. The roof of the Tupperware factory in Centerville also collapsed. The damage estimate from that failure was about \$500,000. Structural engineers in the area suggested the weight of snow on the roofs was in excess of 30 pounds per square foot. In addition to the damage to buildings, livestock losses in the Counties of Wayne, Appanoose, and Davis totaled nearly \$100,000. The Governor of Iowa declared a state of emergency for Davis County due to the threat of building collapse. Later, Davis, Appanoose, and Wayne Counties were declared state disaster areas. Travel was impacted, however it was not as bad as would normally be expected. Road surface temperatures in the mid to upper 30s aided in the melting of the snow as it fell on the roads. During the course of this storm, snow fell over a large part of Iowa. Only the far north central and northeast was spared any significant snowfall. Eight to 12 inches fell from west central, through about the south third of the state. The area receiving the heaviest snowfall was the southern two tiers of counties from south central into southeast Iowa. In these areas snowfall was between 12 and 24 inches. The snow over the rest of the state did not meet the criteria to be considered a heavy snowfall. Though six to twelve inches were common over the southwest half to two thirds of the state, it took 36 to 60 hours to fall. It was fortunate the winds were only in the 10 to 20 MPH range. The low wind speeds limited drifting of snow. Even so, reports over the south two tiers of counties indicated drifts as high as four feet in places.

**Appanoose County**  
2 S Moulton

<b>05</b>	<b>1300CST</b>	<b>0</b>	<b>0</b>	<b>40K</b>	<b>Thunderstorm Wind (G56)</b>
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**IAZ049>050-061>062-074>075-084>086-095>097** **Marshall - Tama - Jasper - Poweshiek - Marion - Mahaska - Lucas - Monroe - Wapello - Wayne - Appanoose - Davis**

<b>30</b>	<b>1200CST</b>	<b>0</b>	<b>0</b>	<b>100K</b>	<b>High Wind (G52)</b>
	<b>1830CST</b>				

An intense low pressure system developed over the southwest plains and advanced east-northeast across central Missouri into northeast Illinois. As the low intensified it brought heavy rainfall to the state with thunderstorms over the southeast half producing some pea to marble size hail. The gradient behind the low was very tight resulting in strong north winds in it's wake. Much of the state experienced winds of 25 to 40 MPH with occasional higher gusts. Over the southeast winds became stronger during the afternoon. Sustained winds in the 30 to 40 MPH were common with gusts to 50 to 60 mph reported. The highest wind reported was a 60 MPH wind gust at Ottumwa. Several wind speeds were reported over 50 MPH. Damage was not very extensive this time around however. Winds died down quickly during the late afternoon hours.

**IAZ004>006-015>016-023>024-035-047** **Emmet - Kossuth - Winnebago - Palo Alto - Hancock - Pocahontas - Humboldt - Webster - Boone**

<b>01</b>	<b>0000CST</b>	<b>0</b>	<b>0</b>	<b>150K</b>	<b>Flood</b>
<b>10</b>	<b>0600CST</b>				

Preliminary information provided by State Climatologist Harry Hillaker of the Iowa Department of Agriculture and Land Stewardship indicated a statewide average precipitation of 2.63 inches for the month. Normal is 3.16 inches. However, most of the precipitation fell in the form of snow, resulting in the snowiest April since 1982. The greater part of the April flooding was observed during the first third of the month, with snow melt flooding already underway in earnest over the Des Moines River basin

# Storm Data and Unusual Weather Phenomena

April 1997

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

## IOWA, Central

in northern Iowa and southern Minnesota. This in turn produced significant flooding in the Estherville and Emmetsburg areas in north central Iowa. Further downstream toward Des Moines, far less serious flooding was observed with only agricultural flooding reported.

**IAZ083>084**

**Clarke - Lucas**

**14 0000CST**

**0**

**0**

**10K**

**Flood**

**16 1200CST**

As flooding receded in northern Iowa, an unusual spring snowstorm moved through south central and southeast Iowa. This storm left as much as 30 inches of heavy wet snow in some areas. While rapid snowmelt was observed thereafter, it nonetheless produced only minor flooding over parts of the Chariton River basin upstream from Rathbun Dam and Reservoir. Damage was only agricultural flooding and quite minor.

## IOWA, East Central and Southeast

**IAZ040>042-051>054-  
063>068-076>078-  
087>089-098>099**

**Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton -  
Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee**

**06 0800CST  
1600CST**

**0**

**0**

**2.5M**

**High Wind (G59)**

Strong gradient winds howled across the area during the morning and early afternoon hours. Widespread and significant damage was done to trees and power lines. Isolated roof and other structural damage also occurred along with several reports of semi-trucks being blow off roads.

One Quad City roofer was quoted as saying: "I've been a roofer for 27 years and I've never experienced anything like this." Reports indicated damage was done mostly to new roofs whose shingles had not completely sealed.

Gusts at specific airport locations: Burlington, Iowa 47 knots, Cedar Rapids, Iowa 50 knots, Clinton, Iowa 57 knots, Dubuque, Iowa 48 knots, Davenport, Iowa 59 knots, Iowa City, Iowa 46 knots.

### **Lee County**

**Donnellson**

**05 1350CST**  
Trees down.

**0**

**0**

**Thunderstorm Wind (G52)**

### **Lee County**

**Ft Madison**

**05 1353CST**  
Light pole blown down at Ford Dealership.

**0**

**0**

**Thunderstorm Wind (G52)**

### **Keokuk County**

**Countywide**

**05 1400CST**  
Numerous trees and power lines downed.

**0**

**0**

**Thunderstorm Wind (G52)**

### **Des Moines County**

**Burlington**

**05 1430CST**  
Large trees downed.

**0**

**0**

**Thunderstorm Wind (G50)**

### **Iowa County**

**Homestead**

**05 1440CST**  
Barn collapsed.

**0**

**0**

**Thunderstorm Wind (G52)**

### **Scott County**

**Davenport**

**05 1517CST**  
Measured wind gust recorded at Davenport National Weather Service Office.

**0**

**0**

**Thunderstorm Wind (G61)**

### **Washington County**

**Washington**

**05 1440CST**  
Power poles snapped.

**0**

**0**

**Thunderstorm Wind (G52)**

### **Louisa County**

**1 W Grandview**

**05 1445CST**  
Barn blown over.

**0**

**0**

**Thunderstorm Wind (G52)**

### **Benton County**

**Countywide**

**05 1455CST**  
Power lines blown down in several localities.

**0**

**0**

**Thunderstorm Wind (G50)**

### **Johnson County**

**Iowa City**

**05 1500CST**  
Numerous large limbs down from old trees in historic district.

**0**

**0**

**Thunderstorm Wind (G50)**

### **Cedar County**

**Tipton**

**05 1513CST**  
Large limbs downed.

**0**

**0**

**Thunderstorm Wind (G50)**



# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>IOWA, East Central and Southeast</b>									
<b>Cedar County</b> Tipton	05	1516CST			0	0			Thunderstorm Wind (G50)
		Trees down.							
<b>Jones County</b> 1 S Anamosa	05	1520CST			0	0			Thunderstorm Wind (G52)
		Barn blown over.							
<b>Scott County</b> Davenport	05	1520CST			0	0	2K		Thunderstorm Wind (G61)
		Gazebo and small shed blown away.							
<b>Buchanan County</b> 8 E Independence	05	1540CST			0	0			Thunderstorm Wind (G70)
		Several buildings damaged and power lines downed.							
<b>Delaware County</b> Manchester	05	1555CST			0	0	10K		Thunderstorm Wind (G70)
		House damaged and a mobile home blown over, trees toppled.							
<b>Jackson County</b> Sabula	05	1600CST			0	0			Thunderstorm Wind (G52)
		Trees downed.							
<b>Dubuque County</b> Centralia	05	1600CST			0	0	6K		Thunderstorm Wind (G52)
		Patio roof and a few outbuildings damaged, area power lines downed.							
<b>Jackson County</b> Maquoketa	05	1600CST			0	0			Thunderstorm Wind (G50)
		Large tree limbs downed.							
<b>Dubuque County</b> Dubuque	05	1610CST			0	0			Thunderstorm Wind (G50)
		Showers and a few thunderstorms swept through the area mixing stronger winds aloft to the surface. No hail and little lightning was associated with the precipitation; however, areas of intense wind damage were associated with the passage of the precipitation. Widespread damage to trees and power lines temporarily closed roads and interrupted electrical service to as many as a quarter million customers across the area.							
<b>Jackson County</b> Countywide	30	1340CST			0	0			Thunderstorm Wind (G50)
		Trees down.							
<b>Cedar County</b> Tipton	30	1300CST			0	0			Hail (1.00)
<b>Cedar County</b> Clarence	30	1312CST			0	0			Hail (1.00)
<b>Muscatine County</b> Muscatine to 10 NE Muscatine	30	1400CST 1420CST	10	20	0	0			Tornado (F0)
<b>Cedar County</b> 3 W Durant to Durant	30	1420CST 1425CST	3	20	0	0	10K		Tornado (F0)
		Little or no damage was reported throughout much of the lifetime of this tornado. The only report of damage came near the end of the tornado as it crossed interstate 80 near Durant, Iowa. The tornado struck one of three semi trucks which were carrying mobile homes. One semi had its mobile home torn off the truck and smashed to the ground while the semi and two other semi trucks and their mobile homes went undamaged.							
<b>Clinton County</b> 4 SE Lost Nation to 4 SW Lost Nation	30	1545CST	0	10	0	0			Tornado (F0)
		Brief touchdown with no damage.							
<b>Jackson County</b> Miles	30	1542CST	0	10	0	0			Tornado (F0)
		Tornado reported but no damage.							
<b>Clinton County</b> Clinton	30	1545CST	0	10	0	0			Tornado (F0)
		No reports of damage.							

# Storm Data and Unusual Weather Phenomena

April 1997

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

## IOWA, East Central and Southeast

**Clinton County**  
2 E Goose Lake to Bryant      30      1540CST      2      20      0      0      40K      Tornado (F0)

Tornado caused damage to windows in home and destroyed a horse barn, horse trailer.

**IAZ063>065-067>068-076>078-087>089-098>099**      **Iowa - Johnson - Cedar - Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee**

10      0600CST      0      0      Heavy Snow  
12      2000CST

A foot to a foot and a half of heavy wet snow fell in several waves of heavy snow. Snow was heavy enough to cause the collapse of many roofs. Most of the roofs were those of sheds, barns, and carports but some well built flat roofed businesses were also damaged along with many area trees. Winds remained under 15 mph throughout the event and this combined with the heavy nature of the snow kept drifting to a minimum.

Perhaps the greatest impact of the storm was that most cities had to re-tool their trucks for snow removal after many of them had just modified them for summer duty. The late season snow also slowed sand bagging efforts on the Mississippi River.

**IAZ042-054-066>068-078-089-099**      **Dubuque - Jackson - Clinton - Muscatine - Scott - Louisa - Des Moines - Lee**

08      0600CST      0      0      Flood  
30      2000CST

Spring snowmelt from very heavy snow cover across the upper basin brought significant flooding to portions of the Mississippi River. Several locations reached the third through fifth highest crests of record. Crests might have been higher; however, precipitation for March and April over Iowa and Illinois was well below normal, therefore the area tributary rivers contributed very little to the crest.

Economic impacts were significant; however, because the initial forecasts from the River Forecast Center were quite good, most of the expenditures were spent on preventative measures rather than on flood repairs and replacement. The primary costs were from sandbagging, and interrupted commerce, rather than in water damage. Barge navigation on the Mississippi River and train traffic along the river was suspended for up to two weeks.

Cities with flood wall or levee protection fared quite well with little impact. Among those without protection; Davenport, Iowa, reported the cost in city employee overtime and sandbagging to be at \$420,000. This cost however, did not cover any of the loss of business to the downtown area where one business reported losses of \$200,000 a day.

## IOWA, Northeast

**Clayton County**  
Elkader      05      1605CST      0      0      1.5K      Thunderstorm Wind (G54)  
Thunderstorm wind gusts to 62 mph blew shingles off a house.

**Chickasaw County**  
Jerico      05      1535CST      0      0      10K      Thunderstorm Wind (G55)  
63 mph wind gusts blew the roof off a shed and into a nearby house.

**Clayton County**  
Guttenburg      05      1605CST      0      0      12K      Thunderstorm Wind (G52)  
Wind gusts to 60 mph blew down trees, powerlines and blew the roof off a house.

**Allamakee County**  
Waukon      05      1700CST      0      0      15K      Thunderstorm Wind (G55)  
A building and house trailer were damaged as winds gusted to 63 mph.

**Howard County**  
Cresco      05      1700CST      0      0      10K      Thunderstorm Wind (G50)  
Power lines were knocked down as winds gusted to 58 mph.

**IAZ009-018-029**      **Howard - Floyd - Fayette**  
06      1530CST      0      0      50K      High Wind (G56)  
1830CST

Winds gusting up to 65 mph blew over a semi-trailer near Cresco and also knocked down trees and signs.

**IAZ011-030**      **Allamakee - Clayton**  
07      1200CST      0      0      450K      Flood  
21      1400CST

The third highest flood of record on the Mississippi River forced the closure of some highways and affected several homes and businesses. On the 15th, Lansing, McGregor and Guttenburg reached crests of 18.4, 21.4 and 19.4 feet respectively.

**Winneshiek County**  
Decorah      05      1615CST      0      0      5K      Thunderstorm Wind (G52)

# Storm Data and Unusual Weather Phenomena

April 1997

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

## IOWA, Northeast

Several large trees were blown over as winds gusted to 60 mph.

## IOWA, Northwest

**IAZ001>003-012>014-020>022-031>032 Lyon - Osceola - Dickinson - Sioux - O'Brien - Clay - Plymouth - Cherokee - Buena Vista - Woodbury - Ida**

01	0000CST								
30	2359CST			0	0				Flood

Snowmelt flooding continued from March in lowlands and along the Big Sioux and Little Sioux Rivers. The flooding along the Big Sioux River continued through the end of April, slowly abating during the last half of the month. Flooding elsewhere abated in early April. Most flooding was to farmland and was not widespread. Estimates of damage were not available because the damage from delayed spring planting could not be assessed.

**IAZ001>003-012>014-020>022-031>032 Lyon - Osceola - Dickinson - Sioux - O'Brien - Clay - Plymouth - Cherokee - Buena Vista - Woodbury - Ida**

06	0900CST								
	1700CST			0	0				High Wind (G55)

High winds gusting over 60 mph caused scattered damage to trees and shingles. The high winds were accompanied by 1 to 3 inches of snow, causing low visibilities in blowing snow at times.

## IOWA, Southwest

### Monona County

05	1810CST								
				0	0				Hail (1.00)

### Monona County

05	1615CST								
				0	0				Funnel Cloud

**IAZ043-055>056-069-079>080-090>091 Monona - Harrison - Shelby - Pottawattamie - Mills - Montgomery - Fremont - Page**

06	0800CST								
	1600CST			0	0				High Wind (G52)

A strong low pressure system moved northeast from the central plains through northern Minnesota to eastern Canada. The tight pressure gradient between the low and a cold Canadian high pressure system which moved south into the plains behind the low generated very strong winds. Winds gusted over 58 mph at many areas. Some trees were blown down and scattered power outages occurred.

**IAZ043-055>056-069 Monona - Harrison - Shelby - Pottawattamie**

09	1700CST								
10	1000CST			0	0				Winter Storm

Warm, moist air was lifted over top of an arctic frontal boundary which extended from southeast Colorado to northern Oklahoma. This combined with an upper level disturbance which moved through the central plains to generate widespread snow. Snowfall of 4 to 6 inches was common.

**IAZ043-055-069-079>080-090>091 Monona - Harrison - Pottawattamie - Mills - Montgomery - Fremont - Page**

11	0600CST								
12	0600CST			0	0				Winter Storm

Surface low pressure developed and strengthened over northern Texas then moved northeast through Missouri and into Illinois. This combined with a strong upper level low pressure trough which moved out of the Rockies and into the plains generated widespread snow across the region. Snow fell particularly heavy in northern Monona county from mid morning through mid afternoon. Heavy snow then increased once again during the evening and continued overnight. By morning April 12th, Monona and Harrison counties had experienced 6 to 12 inches of snow with 4 to 7 inches elsewhere.

## IAZ055

### Harrison

02	1200CST								
30	2359CST			0	0				Flood

Flooding along the Missouri River was the result of snowmelt runoff from the James, Vermillion, Big and Little Sioux, and Floyd rivers in South Dakota and northwest Iowa. In addition, record high releases from Gavins Point Dam added to the flooding. Lowland flooding of agricultural bottomlands, boat marinas, and some local parks was common from along the river west of Missouri Valley to points further south.

## IAZ069-079-090

### Pottawattamie - Mills - Fremont

02	1200CST								
30	2359CST			0	0				Flood

Flooding along the Missouri river was the result of snowmelt runoff from the James, Vermillion, Big and Little Sioux, and Floyd rivers in South Dakota and northwest Iowa. In addition, record high releases from Gavins Point Dam added to the flooding. Lowland flooding of agricultural bottomlands, boat marinas, and some local parks was common.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>KANSAS, East</b>									
<b>KSZ039</b>		<b>Shawnee</b>							
	10	0000CST			0	0			Extreme Cold
	12	2359CST							
	An extended period of late season cold resulted in three consecutive days of record low maximum temperatures in Topeka. New record low maximums of 35 were set on the 10th and 11th. A maximum of temperature of only 36 tied the record for the 12th.								
<b>KSZ020</b>		<b>Cloud</b>							
	07	0000CST			0	0			Extreme Cold
	11	2359CST							
	An extended period of late season cold resulted in several records being broken. A record low of 22 was set on the 7th and then again on the 11th in Concordia.								
<b>KSZ023</b>		<b>Pottawatomie</b>							
	10	0645CST			1	0			Snow And Ice
	A combination of snow and ice resulted in a fatal head-on collision on an ice covered bridge on Flush Road near the town of Flush 1 1/2 miles north of Rock Creek High School. F28VE								
<b>KSZ008-010&gt;011-020&gt;023-035</b>		<b>Republic - Marshall - Nemaha - Cloud - Clay - Riley - Pottawatomie - Dickinson</b>							
	10	1700CST			7	0	207K		Heavy Snow
	11	2300CST							
	A late season moisture laden snow storm dumped 4 to 8 inches of accumulation across North Central and Northeast Kansas generally north and west of Manhattan or along and north of a line from Abilene in Dickinson County to Baileyville in Nemaha County. Locally heavier amounts fell in some areas, especially near the Nebraska boarder where some locations received a foot or more. Some specific accumulations in inches included Marysville with 8 to 12, Axtell 11, Belleville 10, Hanover 10, Centralia 9 1/2, Frankfort 9 and Concordia 8.								
	The storm resulted in several fatal traffic accidents. Two passengers of another pickup truck died when the vehicle collided head-on with a semi-truck 3 1/2 miles west of Wamego in Pottawatomie County on US Highway 24 at 545 PM CST on the 11th. A second fatal accident occurred when the driver of a car hit a truck after loosing control and sliding into the opposite lane. Numerous non-fatal accidents also resulted from snow and ice covered roads, including two semi-trucks overturning around 100 PM CST east of Manhattan along Interstate 70.								
	The snow also produced scattered damage to power lines and trees and caused part of a building to collapse in Seneca in Nemaha County. M40VE, F42VE, F35VE, F35VE, F28VE, M40VE, F42VE								
<b>KSZ023</b>		<b>Pottawatomie</b>							
	10	1800CST			0	0			Ice Storm
	11	1200CST							
	A narrow zone of freezing rain between heavy snow to the northwest and rain to the southeast produced 1/2 to 3/4 inch of ice accumulation on trees and other exposed objects in the town of Wheaton. Just 3 miles to the east only a thin glaze of ice was observed.								
<b>KSZ010-026-037&gt;040-054&gt;056-059</b>		<b>Marshall - Jefferson - Morris - Wabaunsee - Shawnee - Douglas - Lyon - Osage - Franklin - Anderson</b>							
	11	0300CST			0	0			Flood
	14	1900CST							
	Widespread moderate to heavy rain of 1 to 3 inches which fell in northeast and east central Kansas, followed by runoff from melting snow in north central Kansas caused several rivers to overflow their banks. Most of the flooding was minor with some localized areas of more moderate low land flooding. Several roads were flooding including Highway K-99 over the Cottonwood river at Emporia, 86th street near the Soldier Creek at Delia and NW 39th street near the Cross Creek in Rossville. Other towns that experience flooding were Dunlap along the Rock Creek and Valley Falls along the Delaware River.								
<b>Geary County</b>									
<b>Junction City</b>	30	0442CST			0	0	18K		Lightning
	Lightning struck an antenna on the roof of a house. The house suffered damage from the resulting fire.								
<b>Morris County</b>									
<b>4 N Council Grove</b>	30	0500CST			0	0			Hail (1.00)
<b>Shawnee County</b>									
<b>5 W Topeka</b>	30	0553CST			0	0			Hail (0.75)
<b>Shawnee County</b>									
<b>Topeka Billard Arpt to Topeka Billard Arpt</b>	30	0605CST			0	0			Hail (0.75)
<b>Dickinson County</b>									
<b>2 W Woodbine</b>	30	0607CST			0	0			Lightning
	Lightning set fire to a barn, causing only minimal damage.								

# Storm Data and Unusual Weather Phenomena

April 1997

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

## KANSAS, Extreme Southeast

NONE REPORTED.

## KANSAS, North Central

**KSZ005>007-017>019 Phillips - Smith - Jewell - Rooks - Osborne - Mitchell**  
**10 0000CST** **0** **0** **0** **0** **Winter Storm**  
**12 0400CST**

An early April snowstorm dumped heavy snow across much of North Central Kansas. Reports of 6 to 8 inches of snow were common while a few areas, near Osborne and Lebanon, reported almost a foot of new snow.

At the height of the storm, near white-out conditions resulted from the snow and strong winds. Most schools and several businesses were closed the morning of 12th. The treacherous road conditions contributed to numerous minor accidents.

Despite the cold and wintry weather, the snow did bring much needed and widespread moisture to North Central Kansas.

## KANSAS, Northeast

**KSZ057-060-103>105 Miami - Linn - Leavenworth - Wyandotte - Johnson**  
**11 0000CST** **0** **0** **Flood**  
**15 2300CST**

Heavy rainfall totaled 2 to 3 inches on the 10th and 11th resulting in minor to moderate river flooding over portions of extreme Eastern Kansas. Many streams rose above flood stage through the 15th.

Marais Des Cygnes River

Osawatomie, KS

Flood Stage	28 ft
Above Flood Stage	4/11 to 4/14
Crest	33.7 ft on 4/13

La Cygne, KS

Flood Stage	25 ft
Above Flood Stage	4/12 to 4/15
Crest	28.3 ft on 4/14

Trading Post, KS

Flood Stage	25 ft
Above Flood Stage	4/13
Crest	25.07 ft

Stranger Creek  
Easton, KS

Flood Stage	17 ft
Above Flood Stage	4/11 to 4/12
Crest	21.43 ft on 4/11

Tonganoxie, KS

Flood Stage	22 ft
Above Flood Stage	4/11 to 4/13
Crest	25.78 ft on 4/12

Kansas River  
23rd St , Kansas City, KS

Flood Stage	33 ft
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# Storm Data and Unusual Weather Phenomena

April 1997

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

## KANSAS, Northeast

<b>KSZ025-103</b>	Above Flood Stage 4/12								
	Crest 33.26 ft								
	<b>Atchison - Leavenworth</b>								
	<b>10</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
	<b>30</b>	<b>2359CST</b>							

The combination of heavy rain on the 10th and 11th with snow and ice melt over the Northern Plains pushed the Missouri River above flood stage on the 10th. The river remained above flood stage for the duration of the month.

Missouri River  
Atchison, KS

Flood Stage 22 ft  
Above Flood Stage 4/10 through 4/30  
Crest 23.7 ft first reached on 4/11

Leavenworth, KS

Flood Stage 20 ft  
Above Flood Stage 4/10 through 4/30  
Crest 21.80 ft first reached on 4/11

## KANSAS, Northwest

<b>KSZ001</b>	<b>Cheyenne</b>								
	<b>05</b>	<b>2148CST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G55)</b>

63 mph gust reported from Bird City Airport.

<b>KSZ001&gt;004-013&gt;016-027&gt;029-041&gt;042</b>	<b>Cheyenne - Rawlins - Decatur - Norton - Sherman - Thomas - Sheridan - Graham - Wallace - Logan - Gove - Greeley - Wichita</b>								
	<b>09</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>			<b>Extreme Cold</b>
	<b>13</b>	<b>0700CST</b>							

Record cold with low temperatures in the single digits and highs below freezing was accompanied by freezing drizzle and light snow. It was the coldest for so late in the season. Where snow cover was light, wheat received moderate to severe freeze damage. Schools were closed for 1 to 2 days due to icy conditions. Many vehicle accidents occurred.

<b>Logan County</b> 12 W Winona	<b>19</b>	<b>1425CST</b>	<b>0.4</b>	<b>20</b>	<b>0</b>	<b>0</b>			<b>Tornado (F0)</b>
		<b>1428CST</b>							

Several spotters reported landspout type tornado moving southeast at 15 mph over open country.

<b>Rawlins County</b> 1 SE Herndon	<b>29</b>	<b>1520CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
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<b>Thomas County</b> 2 E Colby	<b>29</b>	<b>1614CST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
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Two funnel clouds reported by public.

<b>Thomas County</b> 4 W Rexford	<b>29</b>	<b>1604CST</b>	<b>0.3</b>	<b>50</b>	<b>0</b>	<b>0</b>			<b>Tornado (F0)</b>
		<b>1606CST</b>							

Landspout type tornado, videographed by meteorologist, moved south at 10 mph.

<b>Thomas County</b> .3 E Rexford	<b>29</b>	<b>1615CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G61)</b>
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Meteorologist reported gustnado with estimated wind of 70 mph. Wind tore metal sign away, tossed it into the air to a height of 50 feet and a distance of 70 yards.

## KANSAS, Southeast

<b>Russell County</b> Gorham	<b>02</b>	<b>1625CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
<b>Sumner County</b> South Haven	<b>05</b>	<b>2030CST</b>			<b>0</b>	<b>0</b>	<b>8K</b>		<b>Thunderstorm Wind (G61)</b>

THUNDERSTORM WINDS PEAVED TIN ROOF OF A MOBILE HOME.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## KANSAS, Southeast

<b>Harper County</b> Anthony	08	0833CST			0	0			<b>Flash Flood</b> RAINFALLS OF 3-4 INCHES CAUSED WIDESPREAD FLOODING OF COUNTY ROADS AND LOW-LYING AREAS.
<b>Elk County</b> Howard	05	2125CST			0	0			<b>Thunderstorm Wind (G52)</b>
<b>Chautauqua County</b> Cedarvale	05	2117CST			0	0			<b>Thunderstorm Wind (G52)</b>
<b>Wilson County</b> Altoona	08	2133CST			0	0			<b>Thunderstorm Wind (G52)</b>
<b>Russell County</b> 6 N Russell	02	1645CST			0	0			<b>Thunderstorm Wind (G52)</b>
<b>Sumner County</b> South Haven	05	2015CST			0	0	10K		<b>Thunderstorm Wind (G61)</b> SMALL MICROBURST CAUSED MINOR DAMAGE TO ABOUT A HALF DOZEN HOMES & A CEMETARY AS WELL AS DOWNED TREES & POWER POLES. PLATE GLASS WINDOW BLOWN OUT OF THE SOUTH HAVEN LP GAS BUILDING.

## KANSAS, Southwest

<b>Scott County</b> 2 S Manning	01	1840CST			0	0			<b>Hail (1.00)</b>		
<b>Kearny County</b> 5 SSW Lakin	01	1935CST			0	0			<b>Hail (0.75)</b>		
<b>Kearny County</b> 5 W Lakin	01	1945CST			0	0			<b>Hail (0.88)</b>		
<b>Ford County</b> 4 SE Bellefont	02	1350CST			0	0			<b>Hail (0.75)</b>		
<b>Ford County</b> 4 SE Bellefont	02	1405CST			0	0			<b>Hail (0.88)</b>		
<b>Ford County</b> 3 NW Bucklin	02	1435CST			0	0			<b>Hail (0.75)</b>		
<b>Edwards County</b> 9 S Kinsley	02	1519CST			0	0			<b>Hail (1.00)</b>		
<b>Edwards County</b> 7 S Kinsley	02	1523CST			0	0			<b>Hail (1.00)</b>		
<b>Edwards County</b> 7 S Kinsley	02	1530CST			0	0			<b>Hail (1.00)</b>		
<b>Edwards County</b> 2 E Fellsburg	02	1712CST			0	0			<b>Hail (0.88)</b>		
<b>Clark County</b> 8 NW Englewood	04	1442CST			0	0			<b>Hail (0.88)</b>		
<b>Clark County</b> 8 NW Englewood	04	1449CST			0	0			<b>Thunderstorm Wind (G52)</b>		
<b>KSZ030&gt;031-043&gt;046-061&gt;066-074&gt;081-084&gt;089</b>			<b>Trego - Ellis - Scott - Lane - Ness - Rush - Hamilton - Kearny - Finney - Hodgeman - Pawnee - Stafford - Stanton - Grant - Haskell - Gray - Ford - Edwards - Kiowa - Pratt - Morton - Stevens - Seward - Meade - Clark - Comanche</b>		10	11	1359CST	1200CST	<b>0</b>	<b>0</b>	<b>Winter Storm</b> Snow amounts ranged from a trace at Liberal and Dodge City, to 6 inches at Scott City and 9 inches a Wakeeney. Snow was accompanied by 30 to 40 mph wind and proceeded by sleet and freezing drizzle.

<b>Ellis County</b> Hays	29	2054CST			0	0			<b>Hail (0.75)</b>
<b>Ellis County</b> Hays	29	2058CST			0	0			<b>Hail (0.75)</b>
<b>Ellis County</b> Hays	29	2104CST			0	0			<b>Hail (0.88)</b>

## KENTUCKY, Central

<b>Nelson County</b> 5 N New Haven	04	1317EST			0	0			<b>Hail (0.88)</b>
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# Storm Data and Unusual Weather Phenomena

April 1997

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

## KENTUCKY, Central

Nickel size hail reported.

<b>Nelson County</b> New Haven	<b>04</b>	<b>1301EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
									Dime size hail reported.
<b>Nelson County</b> 10 S Bardstown Arpt	<b>04</b>	<b>1306EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
									Dime size hail reported.
<b>Nelson County</b> 5 S New Haven	<b>04</b>	<b>1319EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
									Power lines down.
<b>Green County</b> Creal	<b>25</b>	<b>2100EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G52)</b>
									60 mph gust reported.
<b>Larue County</b> Athertonville	<b>28</b>	<b>1834EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>
									Trees down.
<b>Taylor County</b> Bengal	<b>28</b>	<b>1833EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
									Quarter size hail reported.
<b>Ohio County</b> 3 W Horse Branch	<b>30</b>	<b>2030EST</b>			<b>0</b>	<b>0</b>	<b>0.50K</b>		<b>Thunderstorm Wind (G50)</b>
									Several trees down. Also, a home had windows broken.
<b>Warren County</b> Bowling Green	<b>30</b>	<b>2236EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
									Dime size hail reported by a sheriff.

## KENTUCKY, Eastern

NONE REPORTED.

## KENTUCKY, Northeast

<b>KYZ101&gt;103-105</b>	<b>Greenup - Carter - Boyd - Lawrence</b>								
	<b>01</b>	<b>0100EST</b>			<b>0</b>	<b>0</b>			<b>Prolong Cold</b>
	<b>30</b>	<b>2300EST</b>							
									The monthly average temperature was about 4 degrees cooler than usual across extreme northeast Kentucky. The sprouting of the new spring vegetation was slowed during the month. The coldest temperatures came on the mornings of the 9th, 10th, 14th, and 15th. Grayson had 18 degrees on the 10th, while Ashland had 19 degrees.

## KENTUCKY, Northern

NONE REPORTED.

## KENTUCKY, Southwest

<b>Christian County</b> Gracey to Oak Grove	<b>21</b>	<b>0100CST</b>			<b>0</b>	<b>0</b>	<b>80K</b>		<b>Thunderstorm Wind</b>
									Two trailers were overturned by high winds, one near Gracey and another near Oak Grove. A front porch was ripped off. Tin roofs were damaged.
<b>KYZ014&gt;015</b>	<b>Union - Webster</b>								
	<b>10</b>	<b>0700CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
		<b>1100CST</b>							An unusual April snowstorm affected a small part of northwest Kentucky, primarily Union and Webster Counties. A slushy accumulation of 1 to 3 inches fell, mostly on grassy areas.
<b>KYZ001&gt;022</b>	<b>Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd</b>								
	<b>18</b>	<b>0300CST</b>			<b>0</b>	<b>0</b>			<b>Frost</b>
		<b>0700CST</b>							An unseasonably late freeze caused some agricultural losses. The peach crop was especially vulnerable because unusually mild temperatures in March resulted in early blossoms. The low for the 18th was 30 degrees at Paducah. The month of April on the whole was quite chilly, averaging 5 degrees below normal.



# Storm Data and Unusual Weather Phenomena

April 1997

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

## KENTUCKY, Southwest

<b>Mccracken County</b> (Pah)Barkley Arpt Pa	20	2255CST			0	0	3K		<b>Thunderstorm Wind (G55)</b> The automated surface observing system at Barkley Regional Airport measured a wind gust to 63 MPH. A house chimney and mobile home were damaged near the airport.
<b>Ballard County</b> 3 W Lovelaceville	20	2250CST			0	0			<b>Thunderstorm Wind (G52)</b> Trees were down.
<b>Fulton County</b> Fulton	20	2329CST			0	0			<b>Thunderstorm Wind (G52)</b> Trees were down.
<b>Graves County</b> Mayfield	20	2335CST			0	0	15K		<b>Thunderstorm Wind</b> Windows were blown out of a downtown business. A vehicle was damaged by a downed tree.
<b>Marshall County</b> Hardin	20	2350CST			0	0			<b>Thunderstorm Wind (G52)</b> A spotter estimated gusts to 60 MPH.
<b>Calloway County</b> Coldwater	21	0009CST			0	0			<b>Thunderstorm Wind (G52)</b> The sheriff department reported trees down.
<b>Graves County</b> Farmington	21	0001CST			0	0	20K		<b>Thunderstorm Wind</b> A mobile home was severely damaged.
<b>Fulton County</b> Cayce	21	0315CST			0	0			<b>Hail (1.00)</b>
<b>Marshall County</b> Calvert City	30	1828CST			0	0			<b>Thunderstorm Wind (G57)</b> A gust to 65 MPH was reported by the rescue squad.
<b>Christian County</b> Oak Grove	30	2033CST			0	0			<b>Hail (1.00)</b> A Fort Campbell weather spotter observed 1 inch hail and gusts to 60 MPH.
<b>Graves County</b> 2 E Water Vly	30	1915CST			0	0			<b>Thunderstorm Wind (G52)</b> Several trees were down between Pilot Oak and Water Valley.
<b>Carlisle County</b> 3 W Bardwell to Cunningham	30	1715CST 1730CST			0	0	25K		<b>Hail (1.75)</b> Hail ranged from 1 to 2 inches in diameter. Golf ball size hail lasted 10 to 15 minutes at Cunningham.
<b>Carlisle County</b> 3 W Bardwell to Cunningham	30	1717CST 1730CST			0	0	150K		<b>Thunderstorm Wind (G57)</b> A severe thunderstorm moved from west to east across Carlisle County, producing wind damage and large hail from west of Bardwell to Cunningham. Trees were blown down in Bardwell and Cunningham by winds estimated between 70 and 75 MPH. Two homes in Bardwell and two homes in Cunningham received extensive damage. Several other homes had minor damage. Many power lines were down. A camper, storage shed, and barn were damaged.
<b>Mccracken County</b> 2 SE Paducah	30	1747CST			0	0			<b>Hail (1.75)</b>
<b>Mccracken County</b> Reidland	30	1820CST			0	0			<b>Thunderstorm Wind (G57)</b> A wind gust to 65 MPH was reported by an off-duty meteorologist.
<b>Graves County</b> Loves	30	1750CST			0	0	3K		<b>Thunderstorm Wind (G50)</b> Power lines were down.
<b>Mccracken County</b> Melber	30	1745CST			0	0	6K		<b>Thunderstorm Wind</b> Trees were blown down, and a trailer home was unroofed.
<b>Livingston County</b> 2 N Grand Rivers	30	1800CST			0	0			<b>Thunderstorm Wind (G52)</b> Two large trees were blown across a county road.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## KENTUCKY, Southwest

### **Calloway County**

<b>1 E Hazel to New Concord</b>	30	1945CST 1950CST			0	0			<b>Thunderstorm Wind (G55)</b>
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Large trees were blown down in the southeastern part of the county.

### **Calloway County**

<b>Hazel to New Concord</b>	30	1945CST 1950CST			0	0	10K		<b>Hail (1.00)</b>
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Hail of varying sizes occurred in the southeast part of the county. The hail was large enough to damage vehicles, but no exact size was given.

### **Fulton County**

<b>Hickman</b>	30	1850CST			0	0	10K		<b>Thunderstorm Wind</b>
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Trees were down. One tree fell on top of a house in Hickman.

### **Mccracken County**

<b>Reidland</b>	30	1830CST 1845CST			0	0			<b>Flash Flood</b>
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Very heavy rains caused extensive street flooding. Some streets were briefly impassable.

### **KYZ001>022**

**Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd**

	30	1300CST 1800CST			0	3	50K		<b>High Wind (G52)</b>
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Strong southwest winds, not related to thunderstorms, gusted above 50 MPH. Peak wind gusts during the late afternoon reached 60 MPH on hilltops and southwest-facing exposures. The wind contributed to the collapse of a building under construction in Powderly, which is in Muhlenberg County about 30 miles northeast of Hopkinsville. Three people were injured in the building collapse, which occurred around 3 P.M. The roof was peeled back from a mobile home in Henderson County. Two traffic lights were blown down in Henderson. A canvas bubble installed over the Henderson County YMCA tennis courts was ripped. An employee was injured while attempting to save the bubble. At the weather office in Paducah, the highest gust was about 45 MPH.

### **Graves County**

<b>Wingo</b>	30	1830CST			0	2			<b>Lightning</b>
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A man and woman were struck by lightning as they sat on their front porch. The man received second degree burns on his left leg. The hair on his leg was singed, as were his pants. The woman sustained lesser injuries and declined treatment.

## LOUISIANA, Northeast

### **Catahoula Parish**

<b>Harrisonburg</b>	05	0615CST			0	0	1K		<b>Thunderstorm Wind</b>
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Several trees were blown down.

### **Richland Parish**

<b>2 NE Mangham</b>	05	0635CST			0	0	1K		<b>Thunderstorm Wind</b>
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Several trees were blown down.

### **Franklin Parish**

<b>Winnsboro</b>	05	0640CST			0	0	2K		<b>Thunderstorm Wind</b>
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Several trees and power lines were blown down.

### **Richland Parish**

<b>Delhi</b>	05	0645CST			0	0	1K		<b>Thunderstorm Wind</b>
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Several trees were blown down.

### **Madison Parish**

<b>Tallulah</b>	05	0705CST			0	0	2K		<b>Thunderstorm Wind</b>
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Several trees were blown down throughout the county.

### **Morehouse Parish**

<b>Beekman</b>	22	0840CST			0	0	1K		<b>Thunderstorm Wind</b>
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Several trees and large limbs were blown down along Highway 142.

### **Madison Parish**

<b>5 W Tallulah</b>	22	0950CST			0	0	1K		<b>Thunderstorm Wind</b>
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Several large trees were blown down along Highway 80.

### **Tensas Parish**

<b>St Joseph</b>	22	1005CST			0	0	20K		<b>Thunderstorm Wind</b>
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Part of the roof of Davidson High School was blown off. A tractor trailer was blown off of Highway 65. A piece of farm equipment was blown on to a roadway.

### **Tensas Parish**

<b>Newellton</b>	23	1330CST			0	0			<b>Hail (0.88)</b>
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# Storm Data and Unusual Weather Phenomena

April 1997

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

## LOUISIANA, Northeast

<b>LAZ026</b>		<b>Concordia</b>							
	<b>26</b>	<b>0627CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>High Wind</b>

Several trees were blown down across the northern portions of the parish.

## LOUISIANA, Northwest

<b>Webster Parish</b>									
<b>1 SW Cotton Vly to 7 NE Shongaloo</b>	<b>04</b>	<b>1645CST 1720CST</b>	<b>20</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>200K</b>		<b>Tornado (F1)</b>

A tornado touched down 1 mile southwest of Cotton Valley in Webster Parish, LA., and moved northeast past Shangaloo. Trees were uprooted while several homes were lifted off their foundations. A travel trailer was blown into a neighbouring field about one hundred yards distance. The Shangaloo high school suffered moderate damage as part of its roof and frame was torn apart. The principal was in the school and said the tornado sounded like a jet airplane before takeoff. The tornado exited the county and the state of Louisiana 7 miles northeast of Shangaloo moving into Columbia County, Arkansas where it continued to 1 mile east of Emerson before dissipating.

<b>Claiborne Parish</b>									
<b>3 SW Haynesville</b>	<b>04</b>	<b>1730CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G60)</b>

Several trees reported down across Parish Road 521.

<b>Claiborne Parish</b>									
<b>Homer</b>	<b>04</b>	<b>1450CST 2315CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>

Numerous reports of flooding in town with city streets closed from two to three feet of water.

<b>Bossier Parish</b>									
<b>Benton</b>	<b>04</b>	<b>2038CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>

<b>Natchitoches Parish</b>									
<b>Natchez</b>	<b>11</b>	<b>1610CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G90)</b>

Numerous reports of trees and powerlines down across the region. About 20 structures were damaged including a mobile home which was overturned. A few mobile homes and a frame home were shoved off their foundations.

<b>Caddo Parish</b>									
<b>Shreveport</b>	<b>22</b>	<b>0120CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>

<b>Caddo Parish</b>									
<b>Shreveport Rgnl Arpt</b>	<b>22</b>	<b>0140CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>

<b>Caddo Parish</b>									
<b>Keithville</b>	<b>22</b>	<b>0235CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>

<b>Caddo Parish</b>									
<b>Keithville</b>	<b>22</b>	<b>0245CST</b>			<b>0</b>	<b>0</b>			<b>Hail (2.50)</b>

<b>Caddo Parish</b>									
<b>Shreveport</b>	<b>22</b>	<b>0255CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>

Hail reported along Jewella and Greenwood roads.

<b>De Soto Parish</b>									
<b>Stonewall</b>	<b>22</b>	<b>0250CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>

<b>De Soto Parish</b>									
<b>Stonewall</b>	<b>22</b>	<b>0310CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.75)</b>

<b>Caddo Parish</b>									
<b>Oil City to 4 N Oil City</b>	<b>22</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>

<b>Caddo Parish</b>									
<b>Shreveport</b>	<b>04</b>	<b>2150CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>

LA Hwy 1 at North Market (LA Hwy 71) flooded stalling several cars in high water.

<b>Bossier Parish</b>									
<b>5 NE Benton</b>	<b>04</b>	<b>2150CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>

<b>Bienville Parish</b>									
<b>Gibbsland</b>	<b>05</b>	<b>0400CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G80)</b>

Several homes and two barns were damaged. Several other homes had their roofs removed including one in which heavy support beams and concrete anchors were tossed 100 feet away. Two horses in a stable suffered minor injuries. Numerous trees were toppled across town.

<b>Bossier Parish</b>									
<b>Benton</b>	<b>05</b>	<b>0220CST 0400CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>

Several roads closed due to the rapid rise of water.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>LOUISIANA, Northwest</b>									
<b>Webster Parish</b> 10 NW Minden	05	0215CST 0400CST			0	0			<b>Flash Flood</b>
									Several roads and Hwy 7 were closed from Cotton Valley to Sarepta due to the rapid rise of water.
<b>Caddo Parish</b> Shreveport	04	1620CST			0	0			<b>Thunderstorm Wind (G60)</b>
									Numerous trees down across east sections of the city.
<b>Caddo Parish</b> 2 SW Spring Ridge	04	1610CST			0	0			<b>Thunderstorm Wind (G80)</b>
									Numerous reports of topples trees and downed power lines. Two mobile homes were damaged from fallen trees.
<b>Jackson Parish</b> Jonesboro	04	1520CST			0	0			<b>Funnel Cloud</b>
									Reported by Skywarn Storm Spotters across the Jonesboro-Hodge area near the Stone Container Plant.
<b>Caddo Parish</b> Shreveport	04	1645CST 1930CST			0	0			<b>Flash Flood</b>
									Rain amounts of 3.25 inches reported by a cooperative observer in one hour contributed to numerous city street floodings and closures. Cars were left stranded and some were completely submerged. The local police and fire departments were called to send rescue divers to find individuals who drove into the high waters.
<b>Bossier Parish</b> Bossier City	04	1635CST 1930CST			0	0			<b>Flash Flood</b>
									Heavy rainfall in a short period of time led to numerous city streets underwater. Some roads were barricaded and closed with cars stalled and stranded in three to four feet of water.
<b>Webster Parish</b> Dubberly	04	1700CST			0	0	1K		<b>Lightning</b>
									Lightning struck a tree which conducted the current to a water line beneath the tree causing the line to burst.
<b>Webster Parish</b> Springhill	04 05	2130CST 0800CST			0	0			<b>Flash Flood</b>
									A 24 hour rainfall total of 13.40 inches resulted in numerous areas of flooding and road closures throughout the downtown area. Major damage to roadways, bridges and landfills.
<b>Bossier Parish</b> Bossier City	04 05	2130CST 0115CST			0	0	203K		<b>Flash Flood</b>
									Excessive and rapid rainfall lead to numerous road closures and homes flooding. Affected subdivisions were Northland Estates, Tall Timbers, Cakhill Estates and Lucky Estates.
<b>Claiborne Parish</b> Homer	04	2040CST 2315CST			0	0			<b>Flash Flood</b>
									Hwy 520 was closed due to severe flooding and a culvert was washed out along Raymond Smith road.
<b>Bossier Parish</b> Benton	22	0440CST			0	0			<b>Hail (0.75)</b>
<b>Bossier Parish</b> Benton	22	0525CST			0	0			<b>Hail (1.00)</b>
<b>Caddo Parish</b> Oil City	22	0525CST			0	0			<b>Hail (1.00)</b>
<b>Webster Parish</b> 1 N Minden	22	0630CST			0	0			<b>Hail (1.00)</b>
<b>Caddo Parish</b> North Shreveport	22	0655CST			0	0	10M		<b>Thunderstorm Wind (G100)</b>
									Strong downburst winds (macroburst) toppled numerous trees and powerlines. Numerous homes were also damaged from the toppled trees and over 70,000 homes and business suffered power outages. Also damaged were eleven hangers and five light airplanes at the downtown airport in Shreveport. Power outages were so extensive that it took four days to restore power in the effected areas.
<b>Caddo Parish</b> Shreveport	22	0656CST 0710CST			0	0			<b>Hail (0.75)</b>
<b>Caddo Parish</b> Shreveport	22	0730CST			0	0			<b>Urban/Sml Stream Fld</b>
									Minor street flooding along the Hearne Avenue Underpass.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>LOUISIANA, Northwest</b>									
<b>Webster Parish Springhill</b>	22	0730CST			0	0			<b>Thunderstorm Wind (G70)</b> Several businesses suffered wind damage in town and the entire town lost power for a brief period as toppled trees took out power lines.
<b>Bienville Parish Ringgold</b>	22	0749CST			0	0			<b>Thunderstorm Wind (G90)</b> Numerous reports of trees and powerlines toppled throughout the city. Minor damage also occurred to homes.
<b>Lincoln Parish Dubach</b>	22	0750CST			0	0			<b>Tstm Wind/Hail</b>
<b>Lincoln Parish Dubach</b>	22	0750CST			0	0			<b>Tstm Wind/Hail</b> Numerous trees and powerlines down throughout the area.
<b>Bossier Parish (Bad)Barksdale Afb</b>	22	0708CST			0	0			<b>Thunderstorm Wind (G144)</b> Winds recorded by observers at the Barksdale AFB in Bossier City were clocked at 144 mph. The winds were associated with a thunderstorm macroburst forming along a squall line as it moved across Caddo and Bossier Parishes in northwest Louisiana. Numerous trees and powerlines were toppled across many areas resulting in 50 percent of the city of Bossier being without power for several days. A total of 12,250 customers lost power. Several homes and businesses suffered damages. Dollar damage amounts were not available.
<b>Bossier Parish Bossier City</b>	22	0830CST			0	3			<b>Lightning</b> Three people were injured when lightning hit the weapons complex at Barksdale Airforce Base in Bossier City. The people were treated for minor burns by base paramedics and released.
<b>Ouachita Parish Monroe Arpt</b>	22	0830CST			0	0			<b>Hail (2.00)</b>
<b>Ouachita Parish Calhoun</b>	22	0850CST			0	0			<b>Thunderstorm Wind (G60)</b> Trees and powerlines were toppled throughout the community.
<b>Caddo Parish Shreveport</b>	22	0715CST			0	0			<b>Hail (1.75)</b>
<b>Lincoln Parish Ruston</b>	22	0810CST			0	0	250K		<b>Hail (1.75)</b> Hail damaged cars and roofs and the largest peach orchard in Lincoln Parish.
<b>Lincoln Parish Ruston</b>	22	0815CST			0	0			<b>Thunderstorm Wind (G80)</b> Numerous trees and powerlines toppled with minor damage to homes and businesses.
<b>Winn Parish Dodson</b>	22	0930CST			0	0			<b>Thunderstorm Wind (G90)</b> Numerous trees and powerlines toppled throughout the city. School students were unable to commute home due to blocked roads and minor car accidents were reported as cars were running into felled trees.
<b>Jackson Parish Jonesboro</b>	22	0930CST			0	0			<b>Thunderstorm Wind (G90)</b> Numerous trees and powerlines were toppled knocking out electricity to over 8000 customers. Ten homes also suffered damage from downed trees.
<b>Bienville Parish Saline</b>	22	0905CST			0	0			<b>Thunderstorm Wind (G60)</b> Several trees and powerlines down.
<b>Union Parish Marion</b>	22	0830CST			0	0			<b>Thunderstorm Wind (G60)</b> Several large trees and powerlines toppled.
<b>Webster Parish Sibley</b>	22	0735CST			0	0			<b>Thunderstorm Wind (G60)</b> Powerlines were toppled across the community resulting in numerous power outages.
<b>Claiborne Parish Homer</b>	22	0707CST			0	0			<b>Thunderstorm Wind (G60)</b> Several trees toppled across a major roadway blocking all traffic in town until the roads were cleared.
<b>Winn Parish Winnfield</b>	22	0805CST			0	0			<b>Thunderstorm Wind (G90)</b> Over 100 trees toppled knocking out electricity to over 3800 customers.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>LOUISIANA, Northwest</b>									
<b>Caddo Parish</b> Vivian	22	0700CST			0	0			Flash Flood
	Several roads were under water and closed due to flash flooding.								
<b>Sabine Parish</b> Many	26	0015CST			0	0	6K		Hail (1.75)
	Hail damage to several cars in town including the Sheriffs windshield broken out of his patrol car.								
<b>Natchitoches Parish</b> Robeline	26	0042CST			0	0			Hail (1.75)
<b>LAZ001-006-011-017&gt;020</b>	<b>Caddo - Union - Red River - Sabine - Natchitoches - Winn - Grant</b>								
	25	2030CST			1	4			High Wind (G50)
	26	0400CST							
	Damaging gradient winds downed trees and powerlines across the region. Toppled powerlines resulted in numerous power outages while fallen trees blocked roads and damaged homes. Several injuries occurred when vehicles ran into trees across roadways and one death occurred.								
	M?VE								
<b>Caldwell Parish</b> Kelly	27	0230CST			0	0			Hail (1.75)
<b>Caldwell Parish</b> Columbia	27	0240CST			0	0			Hail (1.75)
<b>LAZ001</b>	<b>Caddo</b>								
	29	0600CST			0	0			Flood
	Black Bayou suffered high water from previous rains in the basin caused flooding of secondary roadways.								
<b>LAZ001&gt;003-012</b>	<b>Caddo - Bossier - Webster - Bienville</b>								
	06	0730CST			0	0			Flood
	11	2330CST							
	Excessive rains led to Cross Lake in Shreveport rising to its second highest pool stage on record at 174.0 feet. Several buildings, a few homes, and a church were flooded but sandbagging and property removal kept damage to a minimum. In Bossier City along the Red Chute Bayou, water levels topped the levee with a stage of 168.8 feet breaking the record set in July 26, 1933 of 166.93 feet. The high water made its way to Lake Bisteneau where the lake rose to its second highest level of 146.40 feet. Numerous camps along the lake were abandoned and closed.								
<b>Natchitoches Parish</b> Natchitoches	04	1949CST			0	0			Hail (1.00)
<b>Jackson Parish</b> 5 N Chatham	05	0540CST			0	0			Thunderstorm Wind (G60)
	Numerous trees and power lines were toppled resulting in numerous power outages.								
<b>Webster Parish</b> 8 SW Shongaloo to 2 E Shongaloo	05	0215CST			0	0			Flash Flood
	Louisiana Highway 2 was flooded between Sarepta and Shongaloo leading to closure of the highway.								
<b>Winn Parish</b> 10 N Winnfield	05	0430CST			0	0			Thunderstorm Wind (G65)
	Trees and power lines toppled from high winds.								
<b>Bossier Parish</b> Benton	04	2030CST			0	0			Hail (0.75)
<b>Grant Parish</b> Colfax	11	1630CST			0	0			Hail (0.75)
<b>Natchitoches Parish</b> Provencal	11	1536CST			0	0			Thunderstorm Wind (G60)
	Trees and powerlines down leading to numerous power outages across the town.								
<b>Caddo Parish</b> Shreveport	05	0215CST 0400CST			0	0	253K		Flash Flood
	Several roads were underwater and closed across the city. Numerous cars were stranded including several police cars. Evacuations of 80 homes and businesses were mandated from the flooding including homes in south Shreveport's Southern Oaks Estates, Pinecrest and Forest mobile home parks.								
<b>Caddo Parish</b> Shreveport	05	0300CST			1	0			Flash Flood
	A man was found dead after his car stalled in high water. He left the vehicle then disappeared when he stepped into a drainage ditch. His body was discovered several miles downstream. The road was barricaded due to flooding by the fire department and the								

# Storm Data and Unusual Weather Phenomena

April 1997

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

## LOUISIANA, Northwest

individual was warned by the fire department not to drive into the flooded roadway. He ignored the warning and drove around the barricade.  
M22IW

## LOUISIANA, Southeast

### LAZ065

**Upper Terrebonne**  
05 0000CST  
1800CST

0      0

**Coastal Flood**

Sustained onshore winds of 25 to 30 mph caused coastal flooding in several communities in south Terrebonne Parish. The communities of Point-aux-Chenes, Montegut and the area along the lower Little Caillou were especially affected with 3 inches of water in a dozen houses and several businesses. Six inches of water entered several houses in Isle de Jean Charles. About a half a foot of water covered Louisiana Highway 66.

**Tangipahoa Parish**  
Hammond

05 0300CST

0      0

0.30K

**Thunderstorm Wind**

**Tangipahoa Parish**  
Independence

05 0315CST

0      0

0.30K

**Thunderstorm Wind**

**East Baton Rouge Parish**  
Scotlandville

05 0810CST

0      0

1K

**Thunderstorm Wind**

**East Baton Rouge Parish**  
Baton Rouge

05 0830CST

0      0

0.30K

**Thunderstorm Wind**

**Livingston Parish**  
Watson

05 0845CST

0      0

0.30K

**Thunderstorm Wind**

**Tangipahoa Parish**  
Kentwood

05 0920CST

0      0

0.30K

**Thunderstorm Wind**

**St. Helena Parish**  
7 N Greensburg

05 0927CST

0      0

0.30K

**Thunderstorm Wind**

**Washington Parish**  
Franklinton

05 1010CST

0      0

0.30K

**Thunderstorm Wind**

**Terrebonne Parish**  
Cocodrie

05 1015CST

0      0

5K

**Thunderstorm Wind**

**St. Charles Parish**  
Luling

05 1023CST

0      0

0.30K

**Thunderstorm Wind**

**St. Tammany Parish**  
Pearl River

05 1030CST

0      0

0.30K

**Thunderstorm Wind**

**Plaquemines Parish**  
(Nbg)Nas New Orleans  
to Belle Chasse

05 1103CST

0      0

**Thunderstorm Wind (G64)**

**St. Bernard Parish**  
Arabi

05 1115CST

0      0

0.30K

**Thunderstorm Wind**

**St. Bernard Parish**  
Delacroix

05 1115CST

0      0

20K

**Thunderstorm Wind**

**St. Tammany Parish**  
Slidell

05 1130CST

0      0

0.50K

**Thunderstorm Wind**

A line of thunderstorms, some severe, moved across east central and southeast Louisiana during the morning hours. Most reports of damage was confined to downed trees, large tree limbs, and power lines. In Cocodrie, thunderstorm wind gusts moved several camps off their foundation, and a metal roof at a restaurant was damaged. In Delacroix, two house roofs were damaged, along with a boat dock, and a couple of automobiles.

**Assumption Parish**  
Labadieville

11 0930CST  
1200CST

0      0

10K

**Flash Flood**

**Assumption Parish**  
Labadieville

11 0930CST

0      0

25K

**Thunderstorm Wind**

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>LOUISIANA, Southeast</u></b>									
<b>St. James Parish</b> Gramercy	11	0930CST 1200CST			0	0			Urban/Sml Stream Fld
<b>East Baton Rouge Parish</b> 2 S Greenwell Spgs	11	0940CST			0	0	60K		Lightning
<b>Lafourche Parish</b> Larose	11	0955CST			0	0	2K		Thunderstorm Wind
<b>Lafourche Parish</b> Galliano	11	1000CST	0.3	100	0	0	50K		Tornado (F0)
<b>St. Charles Parish</b> Boutte	11	1030CST			0	0	1K		Thunderstorm Wind
<b>Tangipahoa Parish</b> 5 S Ponchatoula	11	1055CST	0.2	25	0	0	0		Tornado (F0)
<b>Tangipahoa Parish</b> Ponchatoula	11	1110CST			0	0	0.30K		Thunderstorm Wind
<b>St. Tammany Parish</b> 3 S Covington to 5 S Covington	11	1115CST			0	0	0.30K		Thunderstorm Wind
<b>Washington Parish</b> 5 S Franklinton to 8 S Pine	11	1210CST 1215CST			0	0	15K		Thunderstorm Wind
A cluster of severe thunderstorms moved northeast out of the Gulf of Mexico across portions of southeast Louisiana. A tornado touched down briefly at Galliano causing damage to one house and minor damage to 22 others. A metal roof of a building was blown off, and a 25 foot boat was capsized. South of Ponchatoula a tornado was spotted by motorists but no damage was reported. Wind damage to structures occurred in Labadieville, Boutte, and south of Franklinton. The remainder of the damage reported were downed trees, large limbs, and power lines. Heavy rainfall of 4 to 5 inches in Assumption Parish caused flooding in which six houses were flooded. Extensive street flooding occurred in communities in St. James Parish.									
<b>Pointe Coupee Parish</b> Morganza to New Roads	22	1515CST			0	0	0.50K		Thunderstorm Wind
<b>East Feliciana Parish</b> Jackson	22	1547CST			0	0			Hail (1.75)
The Pointe Coupee Parish sheriffs office reported several trees and power lines down between Morganza and New Roads. Golfball size hail was reported by the sheriffs office in Jacskon.									
<b>West Baton Rouge Parish</b> Erwinville	26	0058CST			0	0	5K		Thunderstorm Wind
<b>East Feliciana Parish</b> Norwood	26	0100CST			0	0	2K		Thunderstorm Wind
<b>East Baton Rouge Parish</b> Baton Rouge	26	0115CST			0	0	1K		Thunderstorm Wind
<b>Ascension Parish</b> Donaldsonville	26	0140CST			0	0	0.30K		Thunderstorm Wind
<b>Lafourche Parish</b> 6 N Thibodaux to Thibodaux	26	0145CST			0	0	5K		Thunderstorm Wind
<b>Terrebonne Parish</b> Schriever	26	0200CST			0	0	0.30K		Thunderstorm Wind
<b>Livingston Parish</b> Walker	26	0215CST			0	0	0.50K		Thunderstorm Wind
<b>Livingston Parish</b> Livingston	26	0222CST			0	0	0.50K		Thunderstorm Wind
<b>St. James Parish</b> Convent	26	0230CST			0	0	0.50K		Thunderstorm Wind



# Storm Data and Unusual Weather Phenomena

April 1997

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

## LOUISIANA, Southeast

### St. John The Baptist Parish

La Place      26      0255CST      0      0      0.50K      Thunderstorm Wind

### St. Charles Parish

Ama      26      0257CST      0      0      0.50K      Thunderstorm Wind

### St. Charles Parish

Des Allemands      26      0300CST      0      0      0.50K      Thunderstorm Wind

### St. Charles Parish

4 N Norco      26      0300CST      0      0      1K      Thunderstorm Wind

### Orleans Parish

(New)Lkfrnt Arprt to Algiers      26      0304CST      0      0      50K      Thunderstorm Wind (G57)

### Jefferson Parish

Metairie to Harvey      26      0305CST      0      0      20K      Thunderstorm Wind

### Jefferson Parish

9 N Metairie      26      0315CST      0      0      Thunderstorm Wind (G51)

### St. Tammany Parish

Slidell      26      0315CST      0      0      0.30K      Thunderstorm Wind

### Orleans Parish

Ft Pike      26      0410CST      0      0      Thunderstorm Wind (G54)

A line of severe thunderstorms moved across east central and southeast Louisiana during the early morning hours. Wind gusts of 60 mph or greater were measured at several wind gages in the greater New Orleans area and on Lake Pontchartrain. North of Norco, wind gusts were strong enough to dislodge approximately 3500 unsecured 250 pound timbers from the Bonnet Carre Spillway, which links the Mississippi River and Lake Pontchartrain. All but 100 of the timbers were recovered. Wind gusts at the Lakefront Airport in New Orleans damaged several light aircraft. In Erwinville, a mobile home was overturned by wind gusts, but there were no injuries. The remainder of damage reports primarily consisted of trees and large tree limbs being blown down, resulting in power outages in scattered locations across the region.

### Pointe Coupee Parish

New Roads      27      0043CST      0      0      Hail (0.88)

### Pointe Coupee Parish

New Roads      27      0100CST      0      0      5K      Lightning

### Pointe Coupee Parish

New Roads      27      0200CST  
1500CST      0      0      20K      Flash Flood

### East Feliciana Parish

Ethel to Clinton      27      0230CST  
1300CST      0      0      10K      Flash Flood

### West Feliciana Parish

St Francisville      27      0230CST  
1300CST      0      0      10K      Flash Flood

### Iberville Parish

Plaquemine to White Castle      27      0900CST  
1400CST      0      0      20K      Flash Flood

Nickel sized hail was reported by the sheriffs office in New Roads. Lightning struck the communications tower of the sheriffs office in New Roads. Heavy rainfall, between 3 and 6 inches, fell across Pointe Coupee, West Feliciana, and East Feliciana Parishes during the morning. Flooding of streets and rural highways was reported. In the New Roads area, approximately 20 homes were flooded. In Iberville Parish, heavy rainfall caused extensive street flooding and flooding of rural highways. Approximately 20 houses were flooded in the White Castle and Plaquemines area.

## LAZ034>035-046>049-057>058-060      **Pointe Coupee - West Feliciana - Iberville - West Baton Rouge - East Baton Rouge - Ascension - St. James - St. John The Baptist - St. Charles**

01      0000CST      0      0      693.4K      Flood  
20      0000CST

Flooding along the Mississippi River, which crested in March, slowly receded with nearly all forecast points in southeast Louisiana below floodstage by April 22, 1997. The Corps of Engineers began closing the gates on the Bonnet Carre Spillway by the middle of the month as water levels dropped. Throughout the episode of high water, the river remained confined within the river flood protection levees. The most significant structural damage occurred at the Louisiana State Penitentiary near Angola, West Feliciana Parish, where floodwaters damaged one outer levee. The high water levels and greater than normal flow, restricted barge and ship traffic, as well as contributing to several barge and ship accidents on the river. Damage reflects cost estimated by state and parish agencies.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>LOUISIANA, Southwest</b>									
<b>Calcasieu Parish</b> Holmwood	05	0430CST			0	0	20K		<b>Thunderstorm Wind</b>
Sixteen power poles were damaged in Holmwood due to severe thunderstorm winds. In Hayes, a carport and home were damaged.									
<b>Jefferson Davis Parish</b> Jennings	05	0540CST			0	0	25K		<b>Thunderstorm Wind</b>
Severe thunderstorm winds blew six power poles down south of Jennings. One home and one car were damaged when a large oak tree fell on them.									
<b>Vernon Parish</b> 3 N Leesville	05	0315CST			0	0	5K		<b>Thunderstorm Wind</b>
Several trees were blown down on power lines across Vernon Parish, mainly north of Leesville.									
<b>Cameron Parish</b> Johnsons Bayou	05	0347CST			0	0	5K		<b>Thunderstorm Wind</b>
Several trees blew down across power lines around Johnson Bayou.									
<b>Rapides Parish</b> Glenmora	05	0530CST			0	0	5K		<b>Thunderstorm Wind</b>
Several trees were blown down across power lines around Glenmora.									
<b>Vermilion Parish</b> Erath	05	0623CST			0	0	15K		<b>Thunderstorm Wind</b>
Severe thunderstorm winds damaged two homes and one barn near Erath. Power lines and trees littered the streets. Flying debris destroyed one carport and struck a car.									
<b>St. Landry Parish</b> Port Barre	05	0641CST			0	0	5K		<b>Thunderstorm Wind</b>
Severe thunderstorm winds blew several telephone poles down in Port Barre.									
<b>Lafayette Parish</b> Scott	05	0642CST			0	0	5K		<b>Thunderstorm Wind</b>
Several trees were blown down in Scott.									
<b>Rapides Parish</b> (Esf)Esler Arprt Alxn	05	0538CST			0	0			<b>Thunderstorm Wind (G53)</b>
Esler Field recorded a 61 mph wind gust.									
<b>Beauregard Parish</b> Longville	05	0415CST			0	0	5K		<b>Thunderstorm Wind</b>
Several trees were blown down in Longville due to severe thunderstorm winds.									
<b>Beauregard Parish</b> Merryville	22	1315CST			0	0			<b>Hail (1.00)</b>
<b>Calcasieu Parish</b> Starks	22	1340CST			0	0			<b>Hail (1.00)</b>
<b>Allen Parish</b> Oberlin	22	1355CST			0	0			<b>Hail (1.00)</b>
<b>Evangeline Parish</b> Pine Prairie	22	1430CST			0	0			<b>Hail (1.00)</b>
<b>Calcasieu Parish</b> Sulphur	25	1615CST			0	0			<b>Hail (0.75)</b>
<b>Cameron Parish</b> Cameron	25	1615CST			0	0	40K		<b>Thunderstorm Wind</b>
Severe thunderstorm winds destroyed a warehouse in Cameron.									
<b>Beauregard Parish</b> 4 E De Quincy	25	1635CST			0	0			<b>Hail (1.75)</b>
<b>Calcasieu Parish</b> Chennault Indus Airp	25	1700CST 1900CST			0	0			<b>Urban/Sml Stream Fld</b>
Between three and four inches of rain fell in less than two hours, resulting in street flooding across Lake Charles. The hardest hit area was near Chennault Airfield.									
<b>Acadia Parish</b> Morse	25	1950CST			0	0	5K		<b>Thunderstorm Wind</b>
Several trees were blown down near Morse.									
<b>Calcasieu Parish</b> Vinton	25	2108CST			0	0	5K		<b>Thunderstorm Wind</b>
Several trees were blown down in Vinton due to severe thunderstorm winds.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>LOUISIANA, Southwest</b>									
<b>Calcasieu Parish</b>									
Lake Charles	25	2130CST			0	0	15K		Thunderstorm Wind
Trees were blown down across the city due to severe thunderstorm winds. Four telephone poles were blown down on Sale Street in Lake Charles.									
<b>Cameron Parish</b>									
Holly Beach	25	2120CST			0	0			Hail (0.75)
<b>Jefferson Davis Parish</b>									
Lake Arthur	25	2200CST			0	0			Hail (0.75)
<b>Cameron Parish</b>									
Creole	25	2224CST			0	0	10K		Thunderstorm Wind
Several trees were blown down in severe thunderstorm winds. 0.75 inch hail was also reported.									
<b>Vermilion Parish</b>									
5 N Abbeville	26	0000CST			0	0	5K		Thunderstorm Wind
Severe thunderstorm winds blew several trees down across Highway 82 near Abbeville.									
<b>Lafayette Parish</b>									
Lafayette	26	0000CST			0	0	5K		Thunderstorm Wind
Trees were blown down across Lafayette.									
<b>St. Landry Parish</b>									
Krotz Spgs	26	1225CST			0	0	5K		Thunderstorm Wind
Several trees were blown down across Highway 71 near Krotz Springs.									
<b>Rapides Parish</b>									
Alexandria	26	0230CST			0	0	15K		Thunderstorm Wind
A tree fell through a roof of a home in Alexandria during a thunderstorm.									
<b>Vermilion Parish</b>									
Pecan Is	26	0554CST			0	0	5K		Thunderstorm Wind
Several trees were blown down around Pecan Island.									
<b>Vermilion Parish</b>									
Delcambre	26	0715CST			0	0	5K		Thunderstorm Wind
Several trees were blown down on power lines.									
<b>Iberia Parish</b>									
New Iberia	26	2120CST			0	0			Hail (1.75)
<b>Lafayette Parish</b>									
Scott	26	2240CST			0	0			Hail (1.00)
<b>Iberia Parish</b>									
New Iberia	27	0610CST			0	0	5K		Thunderstorm Wind
Several trees were blown down on power lines in New Iberia.									
<b>Iberia Parish</b>									
New Iberia	27	1045CST 1345CST			0	0	30K		Flash Flood
Up to four inches of rain fell in two hours or less across New Iberia. Major street flooding turned even more serious when water entered several homes.									
<b>Lafayette Parish</b>									
Broussard	04	2200CST			0	0	200K		Thunderstorm Wind
Severe thunderstorm winds blew down a 100 foot tall water tower near Broussard. The tower landed on a glass factory warehouse. Several homes in Lafayette also received roof damage from trees falling on them.									
<b>Vermilion Parish</b>									
Maurice	05	0700CST			0	0	320K		Lightning
A \$320,000 home was totally destroyed by a freak lightning strike. Lightning apparently struck the chimney, and ignited wood inside a wall in an upstairs room.									
<b>Iberia Parish</b>									
Coteau	04	2130CST			0	0	15K		Thunderstorm Wind
Severe thunderstorm winds blew down a tractor shed in Coteau, and did some minor damage to a home nearby.									
<b>St. Mary Parish</b>									
Morgan City	11	0800CST 1100CST			0	0	10K		Urban/Sml Stream Fld
More than four inches of rain had fallen in four hours, resulting in serious street flooding across Morgan City. A few homes received water in them because of wakes caused by cars driving too fast in the deep water. Street flooding was also reported in Bayou Vista, Patterson, and Amelia in St. Mary Parish.									

# Storm Data and Unusual Weather Phenomena

April 1997

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

## LOUISIANA, Southwest

### Jefferson Davis Parish

#### Jennings

11	2225CST			0	0	50K	<b>Lightning</b>
----	---------	--	--	---	---	-----	------------------

Lightning struck a chimney on a home in Jennings, scattering bricks and crashing a large hole in the roof. The hole measured ten foot by five foot. Later the same night, lightning struck an oil tank, which ignited and blew up, destroying it. No injuries were reported in either lightning strike.

#### LAZ052

<b>Vermilion</b>							
26	2300CST			0	0	10K	<b>Flood</b>
27	2000CST						

Nearly ten inches of rain fell in a two day period, flooding Delcambre. Several homes and businesses had water enter it, while six to eight streets were closed due to flooding. The worst hit area was near the Delcambre Canal.

### St. Martin Parish

#### Breaux Bridge

26	0000CST			0	3	20K	<b>Thunderstorm Wind</b>
----	---------	--	--	---	---	-----	--------------------------

A large oak tree smashed through a mobile home, destroying it. No one was seriously injured, although three women reported some bumps and bruises.

### Acadia Parish

#### Crowley

27	0900CST			0	0		<b>Urban/Sml Stream Fld</b>
	1300CST						

As much as eight inches of rain caused Bayou Plaquemine to rise and flood the road near the Estherwood pontoon bridge.

#### LAZ054>055

### St. Mary - Lower St. Martin

05	1300CST			0	0	30K	<b>Flood</b>
06	1300CST						

Heavy rain caused riverfront industry on Front Street in Morgan City to flood. On the unprotected side of the Front Street floodwall, the road was closed through the weekend. In Stephenville, the backwater area on the east side of town was flooded and six homes had water enter them when water came over sandbags. The hardest hit area was Bayou Estates.

## MAINE

#### MEZ012-023

### Southern Oxford - Coastal York

01	0000EST			0	0		<b>Winter Storm</b>
	1000EST						

A deep low pressure system moving slowly eastward from New Jersey brought high winds and snow to southern and central sections of the state. Snowfall accumulations in southern Maine generally ranged from 3 to 7 inches with lesser amounts in central sections of the state. In northern Maine, less than 2 inches of snow fell. The storm, which started on the March 31, continued into the morning hours of April 1.

### Cumberland County

#### Countywide

18	1900EST			0	0		<b>Flood</b>
20	0500EST						

### York County

#### Countywide

18	1900EST			0	0		<b>Flood</b>
20	0500EST						

Three to five inches of rain in 8 to 12 hours caused small rivers and streams to rise rapidly. Many roads were closed due to washouts and water over roadways, particularly near Lebanon in York County, and Naples in Cumberland County. Some homes were evacuated.

### Kennebec County

#### North Monmouth

16	0700EST			0	0	350K	<b>Flash Flood</b>
17	0800EST						

On the morning of April 16, the dam on Apple Valley Lake breached causing flooding in North Monmouth. Flood damages totalled about \$250,000 to roads and about \$100,000 to homes.

## MARYLAND, Central

#### MDZ002>006-009>010-013

### Allegany - Washington - Frederick - Carroll - Northern Baltimore - Montgomery - Howard - Prince Georges

10	0200EST			0	0	0	1.5M <b>Agricultural Freeze</b>
	0700EST						

A record cold arctic air mass overspread northern and western Maryland overnight on the 9th and 10th, dropping temperatures into the upper teens to lower 20s across the entire area. These temperatures were on the heels of an above normal winter season, especially in late March, when peach and apple blossoms reached critical bloom stage about 1 week ahead of schedule. Significant, but not total, kills of peaches and Red Delicious apples were noted. However, near total kills of small fruits (strawberries, cherries, and plums) was reported. Apple and peach damage varied from 20 to 80 percent "kill."

At least 1870 acres were affected, 1421 of those in Washington Co (MDZ003), where apple and peach orchards are prevalent. An estimated \$1 million in damage occurred there. Damage was also noted in Allegany, Frederick, and Montgomery Cos (MDZ002-004-009) with an estimated \$150, \$112, and \$75 thousand, respectively. Lesser damage was reported across the eastern

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MARYLAND, Central

piedmont and coastal plain.

**MDZ007**

**Harford**

**01 0000EST  
0300EST**

**0      0**

**Heavy Snow**

The same nor'easter that produced gusty and sometimes damaging wind gusts also included a swath of wrap-around snow which moved through northeastern Maryland during the evening of the 31st and early morning of April 1st. Harford Co received between 4 and 8 inches of heavy wet snow, with up to 10 inches in some spots, most of it accumulating on grassy surfaces but with some roads reported hazardous across the northern section of the county.

Throughout the remainder of the Baltimore metropolitan region, accumulations ranged from 1 inch in the southwest suburbs to 5 inches in the northeast suburbs, again mainly on grassy surfaces. Accumulations ranged from 1/2 to 1 inch in the Maryland suburbs of Washington, DC.

## MARYLAND, Northeast

**MDZ008**

**Cecil**

**01 0000EST  
0600EST**

**0      0**

**Heavy Snow**

**MDZ008-012-015-  
019>020**

**Cecil - Kent - Queen Annes - Talbot - Caroline**

**01 0000EST  
1900EST**

**0      0**

**Wind**

A late season snowstorm dropped some of the heaviest snow of all winter in northwestern parts of Cecil County from the afternoon on March 31st into the morning of April 1st. The low pressure system responsible for this looked rather innocuous on March 30th as it moved with its associated cold front through the Midwest. Temperatures that day (Easter Sunday) warmed into the 70s across most of the Maryland Eastern Shore. But as the low intensified off the New Jersey Coast on the 31st, it pulled down colder air. The heavy precipitation it created also cooled the atmosphere and changed the rain over to snow during heavier bursts of precipitation from the afternoon of March 31st into the early morning of April 1st. Bands of heavier snow moved through the Middle Atlantic States and caused wide variations in accumulations that were both location (underneath these bands) and elevation dependent. One such band affected the northwest part of Cecil County where accumulations exceeded six inches. Less snow accumulated farther southeast. Strong northwest winds on both March 31st and April 1st caused some blowing and drifting of the snow. In addition, the weight of the heavy, wet snow tore down tree limbs and produced scattered power outages. Very little snow accumulated farther south along the Maryland Eastern Shore, but gusty northwest winds circulated around the low pressure system and buffeted the Eastern Shore with peak wind gusts of around 45 mph from March 31st through April 1st.

**MDZ008-012-015-  
019>020**

**Cecil - Kent - Queen Annes - Talbot - Caroline**

**09 0100EST  
11 0800EST**

**0      0**

**Unseasonably Cold**

An unseasonably cold air mass from Canada moved across the Maryland Eastern Shore from April 9th through the 11th. Low temperatures those three mornings were below the freezing mark in most areas. Unseasonably warm weather for most of late February and March preceding this cold spell had plants blooming ahead of schedule and some of the vegetation susceptible to the cold was damaged. The lowest temperatures during this cold snap included 26F at the Baltimore-Washington International Airport the morning of the 10th and 30F in Salisbury the morning of the 11th.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MARYLAND, South

NONE REPORTED.

## MARYLAND, West

NONE REPORTED.

## MASSACHUSETTS, Central and East

**MAZ002>022**

**Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable**

**01 0000EST 0 1 10M Heavy Snow**

**1200EST**

**MAZ002>024**

**Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket**

**01 0000EST 0 0 Strong Wind**

**1200EST**

A low pressure system which formed off the New Jersey coast during the early morning hours of March 31st intensified rapidly as it moved to a position 60 miles south of Newport, Rhode Island. This system retreated to the south during the early morning hours of April 1st, pulling in cold air from the north. The center then moved slowly eastward. Heavy snow and strong winds produced blizzard or near-blizzard conditions across most of Massachusetts, with the exception of the Islands of Nantucket and Martha's Vineyard. Northeast winds gusting to 30 to 50 mph were reported. Snowfall totals of 20 to 30 inches were common from a Plymouth to Taunton line northwestward to the Berkshires. Maximum totals of more than 30 inches were reported in southeast Worcester County, where Milford had a phenomenal total of 36 inches. The storm produced the greatest snowfall on record for any storm at Worcester Municipal Airport, with a total of 33 inches. It was the third greatest snowfall on record at Boston with an accumulation of 25.4 inches. The Blue Hill Observatory in Milton recorded 29 inches in 24 hours, establishing an all-time record and the storm total there of 30 inches made it the third greatest snowstorm on record.

Two to five inches of liquid equivalent precipitation made this snowfall extremely heavy and difficult to remove. The weight of the snow resulted in severe damage to trees and power lines and up to 750,000 electric customers lost power statewide during the height of the storm in the early morning hours of April 1st. Whole towns were without power for up to three days after the storm. More than 100 power crews were brought in from states outside of New England to help restore power. The governor of the Commonwealth of Massachusetts declared a state of emergency. The City of Boston, which recorded 25.4 inches of snow, was paralyzed for two days and the National Guard was called in to help with snow removal. Boston's Logan International Airport was closed for one day.

A porch roof collapsed under the weight of the heavy snow in the Dorchester section of Boston, injuring one person. Several roofs collapsed in communities south of Boston, including the roof of a warehouse in Randolph, where damage was estimated at \$20,000. A roof collapse was reported at an automobile dealership in Norwell. Ten greenhouses buckled under the weight of the snow in Randolph. At least four plastic, inflatable domes covering indoor tennis courts in Boston collapsed under the weight of the heavy snow. Dozens more were damaged across the state. Hundreds of cars and trailer trucks were abandoned on state highways, making plowing operations very difficult. More than 40 trailer trucks were stuck on Route 128 between Newton and Canton. The cost of snow removal was estimated to cost the state highway department between \$6,000,000 and \$7,000,000.

On Cape Cod, snowfall ranged from about 15 inches near the Cape Cod Canal to about 6 inches of slushy accumulation at Chatham. Nantucket Island received less than 1 inch of snow.

Minor coastal flooding was reported at Marshfield and Revere.

**MAZ005>007-013>021-023**

**Western Middlesex - Western Essex - Eastern Essex - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Dukes**

**19 0000EST 0 0 Strong Wind**

**1200EST**

**MAZ016-020>022-022>024**

**Eastern Norfolk - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket**

**19 0615EST 0 0 100.0K High Wind (G84)**

**0900EST**

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MASSACHUSETTS, Central and East

<b>MAZ024</b>	<b>Nantucket</b>								
	<b>19</b>	<b>0900EST</b>			<b>0</b>	<b>0</b>			<b>Coastal Flood</b>
		<b>1300EST</b>							

An intense low pressure system moved just to the south of Nantucket and produced northeast to north winds gusting to hurricane force on Cape Cod and Nantucket. Moderate coastal flooding occurred on Nantucket with minor coastal flooding on Cape Cod. A low barometric pressure reading of 28.75 inches was reported at Nantucket. A peak gust to 97 mph was reported at Otis Air Force Base in Falmouth on Cape Cod, with sustained speeds of 46 mph. Sustained wind to 55 mph with gusts to 87 mph was reported from Nantucket. Some other peak gusts included: 67 mph in Provincetown, 62 mph in Pocasset, 60 mph in West Dennis, and 60 mph in West Tisbury on Martha's Vineyard. The high winds knocked down tree limbs and caused scattered power outages across Cape Cod. In Falmouth, at Otis Air Force Base, telephone poles were reported snapped in half by winds that gusted to 97 mph. Widespread outages were reported in several towns. A flag pole snapped in Barnstable and a 100-foot fishing boat anchored in Provincetown was driven aground. On Nantucket, officials evacuated Codfish Park in Siasconset on the east end of the island, where a large wing of one house was washed out to sea due to beach erosion. (This was in an area that has received much beach erosion over the past several years). In Chatham, one coastal road was flooded and officials evacuated a cottage after the rising tide threatened it. In Eastham, flooding closed two roads and one family left their home due to the threat of flooding at high tide, which occurred during the late morning. High winds also occurred along coastal areas of Buzzards Bay, where Onset had a gust to 60 mph and Marion reported sustained winds of 40 to 50 mph with a peak gust to 71 mph. Strong northeast winds occurred over much of the rest of Massachusetts and high winds were confined to the highest elevations. Blue Hill Observatory in Milton, at an elevation of around 600 feet, reported a peak gust to 65 mph. In Marshfield, there was some minor coastal flooding as several roads were closed in the Brant Rock section of town and 15 to 20 foot waves crashed ashore. Minor coastal flooding occurred on the water front in Plymouth. In the Boston area, Winthrop had a peak gust to 56 mph and north of Boston, Swampscott had a gust to 55 mph with 51 mph at Gloucester on Cape Ann. Rainfall totals for three days from April 17th to 19th ranged from 1.5 to 3 inches.

## MASSACHUSETTS, West

<b>MAZ001</b>	<b>Berkshire</b>								
	<b>01</b>	<b>0000EST</b>			<b>0</b>	<b>0</b>			<b>Winter Storm</b>
		<b>0600EST</b>							

On March 31 and April 1, a classic late season nor'easter tracked from the Chesapeake Bay area northeast to central coastal New Jersey then slowly out to sea. This system produced rain across Berkshire County during the morning hours of March 31. The rain changed to heavy wet snow by early afternoon. Snowfall amounts were highly elevation dependent with up to 30 inches in the highest peaks of the Berkshires. Some specific snowfall totals included: 8 inches at Great Barrington, 12 inches at North Adams, 23 inches at Dalton, 21 inches at Monterey and 20 inches at Lenoxdale. The wet snow brought down many trees and power lines causing widespread power outages and road closures. Some areas remained without power for several days. See the March 1997 Storm Data report for damage amounts.

## MICHIGAN, East

**MIZ047>049-053>055-060>063-068>070-075>076-082>083**    **Midland - Bay - Huron - Saginaw - Tuscola - Sanilac - Shiawassee - Genesee - Lapeer - St. Clair - Livingston - Oakland - Macomb - Washtenaw - Wayne - Lenawee - Monroe**

	<b>06</b>	<b>1500EST</b>			<b>0</b>	<b>1</b>	<b>1.2M</b>		<b>High Wind (G70)</b>
	<b>07</b>	<b>0500EST</b>							

A strong cold front tracked across southeast Michigan during the late afternoon on the 6th. Very strong west to southwest winds accompanied the frontal passage, then continued through the night. Gusts to 70 mph were estimated in a few spots during the late afternoon. In Belleville, about 15 miles southwest of Detroit, a 34-pound four-year-old girl was blown several feet through the air, landing on the driveway by her house. She suffered a head wound that required stitches. Elsewhere, a five-story high metal frame for a building under construction in Ferndale was blown down, and two concrete walls under construction for an Ethan Allen furniture store were caved in at Sterling Heights. In the thumb area, a large barn collapsed near Deckerville, damaging several thousand dollars of farm equipment inside, and a large cable TV tower was toppled near Port Hope. The wind damaged trees and powerlines throughout southeast Michigan, resulting in a power loss to 125,000 customers.

**Oakland County**  
**Commerce**

	<b>30</b>	<b>1645EST</b>			<b>0</b>	<b>1</b>			<b>Lightning</b>
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A 34-year-old woman was struck by lightning outside of her home in Commerce Township at 4:45 pm EST. She was taken to the University of Michigan Medical Center where she was listed in serious condition.

## MICHIGAN, Extreme Southwest

NONE REPORTED.

## MICHIGAN, North

**Wexford County**  
**Buckley**

	<b>06</b>	<b>1240EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
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# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>MICHIGAN, North</u></b>									
<b>Grand Traverse County</b>									
Traverse City	06	1240EST			0	0			Thunderstorm Wind (G52)
<b>Roscommon County</b>									
Higgins Lake	06	1305EST			0	0			Thunderstorm Wind (G52)
WIND GUSTS OF 60 MPH DOWNED SEVERAL TREES OF UNKNOWN SIZE.									
<b>Roscommon County</b>									
2 N St Helen	06	1339EST			0	0			Hail (0.75)
HAIL UP TO 3/4" IN DIAMETER COVERED THE GROUND.									
<b>Oscoda County</b>									
Luzerne	06	1350EST			0	0			Hail (0.80)
<b>Oscoda County</b>									
Luzerne	06	1353EST			0	0			Hail (1.75)
<b>Alpena County</b>									
Ossineke	06	1351EST			0	0			Thunderstorm Wind (G52)
<b>Alpena County</b>									
Ossineke	06	1417EST			0	0			Thunderstorm Wind (G53)
<b><u>MICHIGAN, Upper</u></b>									
NONE REPORTED.									
<b><u>MICHIGAN, West</u></b>									
<b>Allegan County</b>									
Holland	05	2059EST			0	0			Thunderstorm Wind (G53)
Reported from Tulip City Airport, Allegan County									
<b>Mason County</b>									
Scottville	05	2120EST			0	0			Thunderstorm Wind (G52)
Spotter reported 60 mph from Scottville.									
<b>Allegan County</b>									
Wayland	05	2136EST			0	0			Thunderstorm Wind (G61)
Spotter reported 70 mph wind gust in Wayland.									
<b>Berrien County</b>									
Harbert	05	2030EST			0	0	5K		Thunderstorm Wind
Several trees downed.									
<b>Berrien County</b>									
Coloma	05	2040EST			0	0	5K		Thunderstorm Wind
Power lines downed.									
<b>Van Buren County</b>									
Covert	05	2040EST			0	0	10K		Thunderstorm Wind
Trees and power lines downed.									
<b>Cass County</b>									
Dowagiac	05	2100EST			0	0	5K		Thunderstorm Wind
Large tree downed near Dowagiac.									
<b>Ottawa County</b>									
Spring Lake	05	2110EST			0	0	15K		Thunderstorm Wind
Many trees downed. Downed trees blocked 152nd Street and the intersection of 134th Street and North Shore Road.									
<b>Newaygo County</b>									
Hesperia	05	2115EST			0	0	10K		Thunderstorm Wind
Trees and power lines downed.									
<b>Ottawa County</b>									
Coopersville	05	2120EST			0	0	10K		Thunderstorm Wind
Trees and power lines downed.									
<b>Kent County</b>									
Grattan	05	2130EST			0	0	10K		Thunderstorm Wind
Trees downed, which blocked the intersection of Lincoln Lake and Ten Mile Road.									
<b>Kent County</b>									
East Grand Rapids	05	2135EST			0	0	15K		Thunderstorm Wind



# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>MICHIGAN, West</b>									
Large tree fell on a residential garage on Gladstone Street. Trees, power lines, and telephone lines downed.									
<b>Barry County</b> 4 WSW Middleville	05	2150EST			0	0	5K		<b>Thunderstorm Wind</b>
									Trees downed.
<b>Barry County</b> Hastings	05	2200EST			0	0	5K		<b>Thunderstorm Wind</b>
									Power lines downed.
<b>Montcalm County</b> 6 E Greenville	05	2210EST			0	0	5K		<b>Thunderstorm Wind</b>
									Large tree downed.
<b>Ionia County</b> Clarksville	05	2210EST			0	0	2.5K		<b>Thunderstorm Wind</b>
									Large tree downed.
<b>Ionia County</b> 1 W Ionia	05	2215EST			0	0	2.5K		<b>Thunderstorm Wind</b>
									Large tree downed.
<b>Mecosta County</b> Big Rapids	06	1215EST			0	0	5K		<b>Thunderstorm Wind</b>
									Thunderstorm winds blew down an electrical transformer in Big Rapids.
<b>Osceola County</b> Le Roy	06	1235EST			0	0	7.5K		<b>Thunderstorm Wind</b>
									Aluminum roofing ripped off a house in LeRoy.
<b>Isabella County</b> Mt Pleasant	06	1307EST			0	0	15K		<b>Thunderstorm Wind</b>
									Trees and power lines downed in the 200 block of North Arnold Street in Mount Pleasant. Phone lines downed at West Intermediate School on Bradley Road.
<b>Isabella County</b> 4 Ne Weidman	06	1315EST 1330EST			0	0			<b>Funnel Cloud</b>
									Surrey Township Fire Department in Clare County reported a confirmed funnel cloud in north central Isabella County near intersection of Colemand and Vandecar Roads in Gilmore Township. The funnel cloud did not touch the ground, nor did it cause any damage.
<b>MIZ043</b>									<b>Oceana</b>
	06	1620EST			0	0			<b>High Wind (G61)</b>
									Beach erosion reported along Lake Michigan shoreline at Stoney Lake. Spotter reported 70 mph wind gust.
<b>MIZ050</b>									<b>Muskegon</b>
	06	1800EST			0	0			<b>High Wind (G54)</b>
									Muskegon ASOS (Automated Surface Observing System) reported sustained wind of 47 mph with gusts to 62 mph at 7:00 PM EDT.
<b>MIZ057</b>									<b>Kent</b>
	06	1920EST			0	0			<b>High Wind (G50)</b>
									Spotter reported wind gust of 58 mph in Sparta.
<b>MIZ057</b>									<b>Kent</b>
	06	2011EST			0	0			<b>High Wind (G57)</b>
									Spotter reported wind gust to 66 mph in Sparta.
<b>MIZ057</b>									<b>Kent</b>
	06	2013EST			0	0			<b>High Wind (G61)</b>
									City of Grand Rapids Police Department reported wind gust to 70 mph in downtown Grand Rapids.
<b>MIZ051</b>									<b>Montcalm</b>
	06	1950EST			0	0			<b>High Wind (G55)</b>
									NWS weather spotter reported 63 mph wind gust near Edmore.
<b>MIZ050</b>									<b>Muskegon</b>
	06	2015EST			0	0			<b>High Wind (G56)</b>
									NWS weather spotter reported wind gust to 65 mph in Muskegon.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MICHIGAN, West

<b>MIZ050</b>	<b>Muskegon</b>	<b>06</b>	<b>1930EST</b>			<b>0</b>	<b>0</b>		<b>High Wind (G61)</b>
				NWS weather spotter reported wind gust to 70 mph in Montague.					
<b>Cass County</b>									
<b>Cassopolis</b>		<b>30</b>	<b>1900EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>Thunderstorm Wind</b>
				Several trees downed.					
<b>St. Joseph County</b>									
<b>Three Rivers</b>		<b>30</b>	<b>1930EST</b>			<b>0</b>	<b>0</b>	<b>2.5K</b>	<b>Thunderstorm Wind</b>
				Trees downed in thunderstorm winds.					
<b>Kalamazoo County</b>									
<b>Schoolcraft</b>		<b>30</b>	<b>1930EST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>Thunderstorm Wind</b>
				Large metal barn destroyed in Schoolcraft. Several large trees uprooted and power lines downed.					
<b>Kalamazoo County</b>									
<b>Portage</b>		<b>30</b>	<b>1940EST</b>			<b>0</b>	<b>0</b>	<b>250K</b>	<b>Thunderstorm Wind</b>
				Minor structural damage to several homes in the 10600 block of South 12th Street. Out buildings and one residential garage completely destroyed. High winds toppled a 140-foot communications tower on Schuring Road. A portion of the roof on a youth center, behind St. Catherine of Siena Church at 1150 West Centre Street, was damaged. Numerous large trees and power lines were downed across the city. No injuries were reported.					
<b>St. Joseph County</b>									
<b>Constantine</b>		<b>30</b>	<b>1909EST</b>			<b>0</b>	<b>0</b>		<b>Thunderstorm Wind (G58)</b>
				NWS weather spotter reported wind gust to 67 mph near Constantine.					
<b>Calhoun County</b>									
<b>5 SW Marshall</b>		<b>30</b>	<b>2015EST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>Thunderstorm Wind</b>
				Large wood barn destroyed and minor roof damage done to several area homes. Many large trees downed.					
<b>MIZ037&gt;040-043&gt;046-050&gt;052-056&gt;059-064&gt;067-071&gt;074-077&gt;081</b>	<b>Mason - Lake - Osceola - Clare - Oceana - Newaygo - Mecosta - Isabella - Muskegon - Montcalm - Gratiot - Ottawa - Kent - Ionia - Clinton - Allegan - Barry - Eaton - Ingham - Van Buren - Kalamazoo - Calhoun - Jackson - Berrien - Cass - St. Joseph - Branch - Hillsdale</b>	<b>06</b>	<b>1600EST</b>			<b>0</b>	<b>0</b>	<b>5M</b>	<b>High Wind</b>
		<b>07</b>	<b>1600EST</b>						

An intense early spring low pressure system moving across the Great Lakes brought gale force westerly winds to all of Lower Michigan behind a strong cold front. The cold front moved onshore in western Lower Michigan around 5 PM EDT Sunday, April 6th. Winds increased to sustained speeds of 35 to 45 mph out of the west shortly after frontal passage. Frequent wind gusts of 50 to 70 mph were common through midnight, Sunday night. Winds continued to gust to gale force through 5 PM EDT Monday, April 7th. The U.S. Coast Guard reported wave heights of 10 to 15 feet near the Lake Michigan shoreline.

Widespread wind damage and lake shore beach erosion was reported across the area. Area insurance companies estimated claims totaled nearly \$5.0 million from the wind damage. However, no serious injuries were reported from the storm.

The winds downed trees and power lines and resulted in roof damage to area homes and businesses. Between 180,000 and 200,000 Consumers Energy customers lost power across the state Sunday evening. Nearly 70,000 customers were still without power Monday morning at 5 AM EDT.

The U.S. Army Corps of Engineers reported severe beach erosion resulted in as much as 20 feet of beach loss in a few areas. Bluffs in Saugatuck township appeared to be hit hardest. The beach erosion was due in part to unusually high lake water levels, nearly 38 inches above average.

Numerous reports of downed trees and power lines were received. Roads were blocked in some areas due to downed wires, trees, and traffic lights. Downed wires set sporadic fires in a few instances. Some of the most significant damage reports are listed below:

- In Cedar Springs (Kent County), the wind caused an estimated \$100,000 damage to heating and air conditioning units on the roof of Plainfield Lumber & Hardware Company. A tree, 3 feet in diameter, crashed onto a home.
- A mobile home was overturned at 7873 S. Derby Road in Fairplain Township in Montcalm County.
- Bleachers at Carson City-Crystal Schools (Montcalm County) were blown over onto a fence.
- Shingles were blown off several buildings in the Central Montcalm County Public Schools.
- The roof of Howard City Department of Public Works (Montcalm County) was blown off.
- In Muskegon County, several large trees were blown down onto residences and vehicles.
- In downtown Muskegon, roofing was torn off several businesses on Apple Avenue. Glass was blown out of several store-front windows.
- Winds gusts resulted in roof damage to the Van Andel Arena in downtown Grand Rapids.
- In Coopersville (Ottawa County), a section of the roof of the Owens-Corning manufacturing building was torn off.
- Winds ripped the doors off four large airplane hangars at the Grand Haven Municipal Airport.
- The steel framework of a new high school gymnasium under construction in Paw Paw (Van Buren County) was toppled by high winds.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MICHIGAN, West

- A 150 foot section of perimeter metal fence was blown down at Hartford Speedway (Van Buren County).
- A 70 foot tall maple tree was uprooted and fell on a house in Holland.
- A 75 foot tall tree crashed down on a home in East Grand Rapids.
- In Clinton County, a truck hauling a mobile home was overturned on U.S. Highway 27. Several large trees fell on homes in St. Johns.
- In Ionia County, extensive roof damage was done to Belding Area Public Schools. A barn was blown down north of Clarksville.
- In Evart (Osceola County), a grain elevator was damaged.

<b>MIZ057</b>		<b>Kent</b>							
	<b>06</b>	<b>2145EST</b>			<b>0</b>	<b>0</b>	<b>High Wind (G53)</b>		
Peak wind gust of 61 mph reported at Kent County International Airport, co-located with the National Weather Service Office in Grand Rapids.									
<b>Ottawa County</b>									
<b>Holland</b>	<b>12</b>	<b>1435EST</b>			<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>		

## MINNESOTA, Central and South Central

<b>MNZ047-054&gt;057- 064&gt;066-073&gt;077- 082&gt;085-091&gt;093</b>		<b>Stevens - Lac Qui Parle - Swift - Chippewa - Kandiyohi - Yellow Medicine - Renville - Mcleod - Redwood - Brown - Nicollet - Le Sueur - Rice - Watonwan - Blue Earth - Waseca - Steele - Martin - Faribault - Freeborn</b>						
	<b>06</b>	<b>0700CST</b>			<b>0</b>	<b>0</b>	<b>High Wind (G51)</b>	
	<b>07</b>	<b>0300CST</b>						

The combination of falling snow and strong gradient winds resulted in frequent white out conditions while an intense spring storm moved across northern Minnesota. Visibilities were frequently at or below one quarter mile. A wind gust to 51 knots was recorded at New Ulm while winds of 35 to 50 knots were common. The whiteout conditions resulted in multiple vehicular accidents on Interstate 35 in Rice and Steele counties. Interstate 35 was closed in both direction for several hours. Trees were knocked over in Dawson and empty chemical storage tanks were blown over in Raymond.

<b>MNZ058&gt;059-066-068</b>		<b>Meeker - Wright - Mcleod - Carver</b>						
	<b>01</b>	<b>0000CST</b>			<b>0</b>	<b>0</b>	<b>Flood</b>	
	<b>24</b>	<b>0700CST</b>						

The south fork of the Crow River reached flood stage of 8 feet at Delano on 3/31/97 which is the river monitoring point. The river crested on 4/8/97 at 14.4 feet which was the third highest crest ever measured. 20 roads in McLeod county were closed at the peak of river flooding including highway 22 between Biscay and Glencoe. Major flooding along the river occurred in the towns of Hutchinson, Mayer, and New Germany. The flooding of Buffalo Creek in the Glencoe area aggravated the problem in McLeod county.

<b>MNZ059&gt;060</b>		<b>Wright - Hennepin</b>						
	<b>04</b>	<b>0600CST</b>			<b>0</b>	<b>0</b>	<b>Flood</b>	
	<b>20</b>	<b>0600CST</b>						

Crow River reached flood stage of 10 feet on 4/4/97 at Rockford which is the river monitoring point. The river crested at 14.4 feet on 4/9/97 which was the fifth highest crest ever recorded. The river subsided to below flood stage on 4/20/97. Substantial flooding occurred at a golf course in the town of St. Michael.

<b>MNZ073</b>		<b>Redwood</b>						
	<b>01</b>	<b>0000CST</b>			<b>0</b>	<b>0</b>	<b>Flood</b>	
	<b>14</b>	<b>0700CST</b>						

The Redwood River reached flood stage on 3/27/97. Flood stage is 6 feet. The river rose to 16 feet on 3/29/97, setting a new record crest level. The river is measured in Redwood Falls. Above normal temperatures the last two weeks of March in combination with a deep Winter snowcover and heavy rainfall on 4/5/97 contributed to the record crest.

<b>MNZ073&gt;074</b>		<b>Redwood - Brown</b>						
	<b>01</b>	<b>0000CST</b>			<b>0</b>	<b>0</b>	<b>Flood</b>	
	<b>13</b>	<b>0700CST</b>						

The Cottonwood River measured at New Ulm reached flood stage of 11 feet on 3/23/97. The river crested at 18.8 feet on 3/30/97 which was the fourth highest crest ever measured. The river subsided to below flood stage on 4/13/97.

<b>MNZ041&gt;045- 047&gt;050-054&gt;058- 064&gt;067</b>		<b>Douglas - Todd - Morrison - Mille Lacs - Kanabec - Stevens - Pope - Stearns - Benton - Lac Qui Parle - Swift - Chippewa - Kandiyohi - Meeker - Yellow Medicine - Renville - Mcleod - Sibley</b>						
	<b>01</b>	<b>0000CST</b>			<b>0</b>	<b>0</b>	<b>Flood</b>	
	<b>10</b>	<b>0600CST</b>						

Above normal temperatures during the last week of March began melting a deep snowcover across much of west central into parts of central Minnesota. Snow depth rank was in the 80 to 90th percentile over the area as measured on 3/20/97. The snowcover had a high moisture content. In addition, several storms deposited additional rain and snow over the area on 3/24/97 and 4/5/97. The flooding resulted in severe losses to both public and private property. Damage was extensive to roads, bridges, culverts, agricultural drainage areas, homes and businesses. House flooding was reported in Osakis, Brandon, Wood Lake, Danube, Bird Island and near

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MINNESOTA, Central and South Central

Little Rock Lake. Drainage ditches and culverts plugged with snow and ice resulted in sporadic flooding including the community center in the southern part of Bird Island. Scattered road closures were a result of the spring thaw as well. Many smaller rivers also overflowed their banks resulting in road closures and structural flooding. The Long Prairie River in Todd and Morrison counties closed 14 roadways. The Pomme de Terre River rose to 16 feet over flood stage on 4/6/97 resulting in major damage to roadways throughout Swift and Stevens counties. Bridges were washed out in Appleton. 16 houses were evacuated in Appleton as well. Highway 59 closed north of Morris. Widespread flooding was reported in Lac Qui Parle county due to the spring thaw as well as the Lac Qui Parle River overflowing its banks. Many roads were closed and a large number of homes in Dawson were surrounded by water. The Sauk River in Stearns county overflowed its banks on 4/3/97 flooding homes along Highway 22. Highway 22 was closed for a time between Eden Valley and Richmond. Ice chunks 2 feet thick and 10 to 20 feet across, washed out or closed five bridges in Sibley county over the Rush River. Telephone service was interrupted for a time due to a fiber optic cable attached to one bridge.

**MNZ054>056-060-064>065-067>070-073-075>076-083** **Lac Qui Parle - Swift - Chippewa - Hennepin - Yellow Medicine - Renville - Sibley - Carver - Scott - Dakota - Redwood - Nicollet - Le Sueur - Blue Earth**

<b>01</b>	<b>0000CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
<b>30</b>	<b>2359CST</b>			

The Minnesota River reached flood stage at Henderson on 3/15/97 and continued to slowly rise through the last half of March, peaking at many locations by mid April. The river remained above flood stage until mid May. Flood stage of the River in Montevideo was 14 feet which was reached on 4/2/97. The river crested at 23.9 feet on 4/7/97 establishing a new record crest in Montevideo. Other monitoring points along the Minnesota River reached crests that were at 3rd or 4th all time record levels, including Mankato, Henderson, Jordan, Shakopee and Savage. Minnesota River flooding resulted in severe losses to public and private property. An early Spring storm brought heavy rain, snow and high winds to the area on 4/5-6/97 at the peak of the flooding, severely aggravating the situation. Many roads were closed in the Montevideo and Granite Falls areas. Firefly Creek Casino closed due to lack of road access. Yellow Medicine county museum flooded on 4/5/97. Sanitary sewer lift station failed in Montevideo causing sewage to backup into homes. 400 residents were evacuated. Up to 150 homes in Montevideo reported flooding to some degree. Sewer backups also reported in Watson and Clarkfield. Highway 212 bridge collapsed west of Granite Falls. All county and township roads in Lac Qui Parle county were closed to unnecessary travel for a time. 15 to 20 percent of tillable land in Lac Qui Parle county under water by 4/10/97. Greater than 60 homes evacuated in Granite Falls. Flood waters knocked out Granite Falls water treatment plant, forcing water rationing. Schools were closed in districts close to the Minnesota River. Hawk Creek, a tributary of the Minnesota River caused a basement to collapse in Clara City. Dairy farmers forced to dump milk due to inability to get trucks to farms. At one point, only one bridge (Highway 4 in Fairfax) spanning the Minnesota River was still open between Mankato and the South Dakota border.

A 60 foot section of county highway 1 was washed away in Renville county. The water level reached the tops of kitchen counters at a farmstead in Renville county. Grain elevator in New Ulm received substantial damage. 20 farms and 5 residences hit hard by flooding in New Ulm area. Numerous roads between New Ulm and St. Peter closed, including highway 169 north of Mankato. Roadways closed in Le Sueur, Sibley, Carver and Scott counties. Several metro area commuter roads closed including highway 101 in Chanhassen, highway 41 in Chaska and the Black Dog Road off ramp from Interstate 35 in Burnsville.

**MNZ053-063** **Chisago - Washington**

<b>06</b>	<b>0600CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
<b>20</b>	<b>0600CST</b>			

The St. Croix River reached flood stage of 87 feet on 4/6/97 and crested at 90.5 feet on 4/12/97. This was the third highest crest ever measured. The river is monitored in Stillwater. The river fell below flood stage on 4/20/97. The Stillwater lift bridge was closed on 4/5/97 and reopened 4/18/97. More than 30 homes damaged by flooding in Bayport on Point Road, Lakeside Street and Minnesota Street. Street flooding also reported in Hudson. Lakefront Park in Hudson was inundated. Highway 10 between Prescott Wisconsin and far southern Denmark township in Washington county remained open due to slightly lower than anticipated crest and tenacious efforts by the Minnesota and Wisconsin Department of Transportation workers in building sand and gravel dikes.

**MNZ043-049>051-059>063-070** **Morrison - Stearns - Benton - Sherburne - Wright - Hennepin - Anoka - Ramsey - Washington - Dakota**

<b>04</b>	<b>0600CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
<b>26</b>	<b>0600CST</b>			

The Mississippi River is monitored at various points including Red Wing, Anoka, Minneapolis, St. Paul and Hastings. The river reached flood stage at most locations around 4/7/97 and crested between 4/10/97 and 4/13/97. The measured crest was the third highest in recorded history at St. Paul, Hastings and Red Wing. The River Terrace Mobile Home park in Monticello was evacuated on 4/4/97. 40 residential homes also evacuated in Monticello. Multiple road closures reported in Wright county. The floodwaters accelerated erosion in Clear Lake. Travelers Country Club lost 50 feet of shore forcing owners to permanently move trailers and sheds. Dikes held in Elk River but soil saturation resulted in one basement collapse on Parrish Ave. River Park in Brooklyn Park and Riverview Heights Park in Fridley both inundated by floodwater. The Rum River, a tributary of the Mississippi, flooded homes in the town of Ramsey on 4/8/97. The Rum crested 2.5 feet above flood stage on 4/9/97. Low lying parking lots near downtown St. Paul flooded. Locks and Dams from St. Paul to Red Wing closed from 4/4/97 to 4/9/97. Minor flooding reported in Dayton, Champlin and Brooklyn Center. Harriet Island, Raspberry Island and Lilydale Park closed in St. Paul area due to floodwaters. Three quarters of Holman Field (South St. Paul Municipal Airport) under water by 4/9/97. Shepard Road under water in south St.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MINNESOTA, Central and South Central

Paul. Fort Snelling state park bordering Minneapolis/St. Paul International Airport closed. Lake Rebecca in east Hastings contaminated because of Mississippi floodwaters. 16 homes flooded in Green Point subdivision of Wacouta in eastern Goodhue county. More mobile homes evacuated in Old Frontenac. The river was closed to boating during the peak flooding.

## MINNESOTA, Northeast

**MNZ034-036**

### **Crow Wing - Southern Aitkin**

<b>05</b>	<b>0700CST</b>	<b>0</b>	<b>0</b>				<b>Flood</b>
<b>10</b>	<b>1100CST</b>						

The Mississippi River began rising due to rapid snowmelt and heavy rainfall from a storm system passing over the area. Property damage was minimal with only one house in Brainerd reported flooded. However, many secondary roads were washed out or had standing water.

**MNZ033>034**

### **Southern Cass - Crow Wing**

<b>06</b>	<b>1650CST</b>	<b>0</b>	<b>0</b>				<b>Flood</b>
<b>10</b>	<b>1400CST</b>						

Rapid melting of a snowpack with above normal water content and heavy rain caused flooding across parts of northeastern Minnesota. Water from the Crow Wing River rose above bank levels and flooded low-lying areas in southern Crow Wing and southern Cass Counties. Rising water threatened several homes and concerned dam operators to the extent that sand-bagging was done, but no significant flood damage was reported.

**MNZ038**

### **Pine**

<b>06</b>	<b>1100CST</b>	<b>0</b>	<b>0</b>	<b>25K</b>			<b>Flood</b>
<b>12</b>	<b>1100CST</b>						

Rapid melting of a snowpack with above normal water content and heavy rain produced flooding across parts of northeastern Minnesota. Flooding along the Snake River in southern Pine county caused damage to two permanent homes and several seasonal dwellings. Several sheds were also damaged or washed away. High water along the Grindstone River near Hinckley also flooded a public park and part of a recreational vehicle park. Total private damage was estimated between \$10,000 and \$15,000 and road damage at \$10,000.

**MNZ037**

### **Southern St. Louis / Carlton**

<b>06</b>	<b>1700CST</b>	<b>0</b>	<b>0</b>	<b>160.8K</b>			<b>Flood</b>
<b>09</b>	<b>1700CST</b>						

Rapid melting of a snowpack with above normal water content and heavy rain caused flooding across parts of northeastern Minnesota. Rising water on the Floodwood River affected mainly the community of Floodwood in southern St. Louis county. High water flooded 10 to 20 homes and businesses, and two highways had standing water, nearly closing one of them. Sandbagging of roads and structures was carried out. An estimated \$135,800 in public, private, and retail damage occurred in Floodwood, with about \$25,000 in road and bridge damage in Duluth and Lakewood Township. Federal disaster aid was granted.

## MINNESOTA, Northwest

**MNZ001>005-007>008-013>014**

### **West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red Lake**

<b>04</b>	<b>1200CST</b>	<b>0</b>	<b>0</b>	<b>18M</b>			<b>Ice Storm</b>
<b>06</b>	<b>0800CST</b>						

An intense low pressure system, with center pressures around 28.8 inches, tracked from Fergus Falls to International Falls. The initial rain was accompanied by thunder and lightning in Polk county, and then changed to freezing rain as the temperature fell. One-half to one inch of ice built up on exposed surfaces. Hundreds of power poles and lines snapped due to the weight of the ice, cutting power to many homes and businesses, many of which were beginning to fight the spring flood. The wind equipment froze up on ASOS and AWOS units across northwest Minnesota, and remained frozen for 7 days. The 3 inches of liquid equivalent from the storm fell on top of a record snowpack.

**MNZ029**

### **Wilkin**

<b>05</b>	<b>0000CST</b>	<b>0</b>	<b>0</b>	<b>20M</b>			<b>Flood</b>
<b>08</b>	<b>2359CST</b>						

The rising Red River filled half the city of Breckenridge with water, which froze in place as the temperature dropped. Floodfighters had to work in the middle of the blizzard to try to save parts of the city. A record level was set on the Red River in Wahpeton on the 6th. A 29 year-old woman and her 3 year-old daughter died from exposure on April 8th, when the car she was driving went into a flooded creek. They managed to get out of the car, but could not reach the closest farmhouse. The woman was driving around road closed signs, trying to find a quicker way home. The governor of Minnesota declared the Red River Valley a state disaster area, which later received a Presidential disaster declaration.

**MNZ001>004-007-029**

### **West Polk - Norman - Clay - Kittson - West Marshall - Wilkin**

<b>05</b>	<b>1430CST</b>	<b>0</b>	<b>3</b>	<b>25M</b>			<b>Blizzard</b>
<b>06</b>	<b>2000CST</b>						

With falling temperatures on the back side of the low, the freezing rain changed to snow. A strong pressure gradient created winds up to 65 mph, dropping visibilities down to near zero. The strong wind, on top of heavy ice accumulations, caused thousands of power poles to snap. This cut power to over 100,000 people in eastern North Dakota and northwest Minnesota and caused \$30 million in damages to the power infrastructure. With no heat, many people had to seek shelters with generator power. Some smaller communities were without power for more than a week. Snowfall totals on the 6th ranged around 7 inches. Three men

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>MINNESOTA, Northwest</b>									
MNZ002									
MNZ040									
MNZ029									
MNZ003									
MNZ002									
MNZ001									
MNZ007									
MNZ004									
Wilkin County Breckenridge									
Polk County East Grand Forks									

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MINNESOTA, Northwest

Dike failures in the point area of East Grand Forks, between the Red and Red Lake Rivers, led to rapid water rises in residential areas.

### **Polk County**

<b>East Grand Forks</b>	<b>18</b>	<b>1452CST 1630CST</b>	<b>0</b>	<b>0</b>					<b>Flash Flood</b>
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Dikes continued to fail along the Red River in East Grand Forks, stranding many people in their homes. National Guard and Coast Guard personnel performed many rescues. Streets became raging rivers as the Red River rose over or broke through the dikes.

### **Wilkin County**

<b>Breckenridge</b>	<b>05</b>	<b>1528CST 1830CST</b>	<b>0</b>	<b>0</b>					<b>Flash Flood</b>
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Over 2.7 inches of rain fell in the Breckenridge area, which was fighting the rising Red River. Due to the frozen ground, cresting Red River, and record runoff already in the area, many streets in town were quickly flooded.

## MINNESOTA, Southeast

### **Mower County**

<b>Le Roy</b>	<b>05</b>	<b>1555CST</b>	<b>0</b>	<b>0</b>					<b>Thunderstorm Wind (G52)</b>
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A line of thunderstorms produced wind gusts to 60 mph.

### **Houston County**

<b>La Crescent</b>	<b>05</b>	<b>1715CST</b>	<b>0</b>	<b>0</b>					<b>Thunderstorm Wind (G52)</b>
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An off-duty weather service employee reported wind gusts to 60 mph.

### **Winona County**

<b>Winona</b>	<b>05</b>	<b>1730CST</b>	<b>0</b>	<b>0</b>	<b>10K</b>				<b>Thunderstorm Wind (G52)</b>
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Two large signs were blown down as winds gusted to 60 mph.

### **Winona County**

<b>Minnesota City</b>	<b>05</b>	<b>1740CST</b>	<b>0</b>	<b>0</b>	<b>7K</b>				<b>Thunderstorm Wind (G52)</b>
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Power lines were blown down as winds gusted to 60 mph.

### **MN2087**

#### **Olmsted**

	<b>06</b>	<b>1530CST 1830CST</b>	<b>0</b>	<b>0</b>	<b>25K</b>				<b>High Wind (G57)</b>
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Wind gusts as high as 66 mph toppled trees, signs and caused power outages in Rochester and vicinity.

### **MN2079-088-096**

#### **Wabasha - Winona - Houston**

	<b>03</b>	<b>2000CST</b>	<b>0</b>	<b>0</b>	<b>500K</b>				<b>Flood</b>
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The Mississippi River reached it's third highest flood on record, affecting several homes and businesses. High water also forced the closure of some highways. A crest of 19 feet occurred on the 11th at Lake City, 16.5 feet at Wabasha on the 11th and 18.3 feet at Winona on the 12th.

## MINNESOTA, Southwest

### **MN2071>072-**

### **080>081-089>090-097>098**

#### **Lincoln - Lyon - Murray - Cottonwood - Nobles - Jackson - Pipestone - Rock**

	<b>01</b>	<b>0000CST</b>	<b>0</b>	<b>0</b>					<b>Flood</b>
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Snowmelt flooding continued from March. River flooding on the Redwood, Rock, and upper West Fork Des Moines Rivers peaked during the first week of the month. Lowlands including farmland, roads, basements, and a few homes were flooded. Severe damage continued along the Rock River including Luverne. Damage in Rock county for the entire flooding episode was estimated to be over one million dollars, not including farmland. More specific damage estimates for the area were not available. The flooding abated over all areas by the middle of April.

### **MN2071>072-**

### **080>081-089>090-097>098**

#### **Lincoln - Lyon - Murray - Cottonwood - Nobles - Jackson - Pipestone - Rock**

	<b>06</b>	<b>0800CST 1800CST</b>	<b>0</b>	<b>0</b>	<b>22.9K</b>				<b>High Wind (G55)</b>
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High winds tore off shingles and caused tree damage. The winds were accompanied by 1 to 3 inches of snow, reducing visibilities in blowing snow.

## MINNESOTA, West

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MINNESOTA, West Central

**MNZ039-046**

**Traverse - Big Stone**

**01 0000CST**  
**30 2359CST**

**0      0**

**Flood**

Late March flooding from the meltdown of the near record to record snowpack continued throughout April. Most of the snowmelt across Big Stone and Traverse counties occurred in early April. Ditches, lakes, creeks, streams, and low-lying areas continued to rise and flood into April. Many sections of county and township roads as well as some highways were inundated, broken up, or washed out. Many culverts were damaged or blown out and some bridges were damaged or washed out by ice chunks and highwater flows. Thus, road closures were extensive with rerouting taking place for almost everyone, especially school buses, mail carriers, farmers, ranchers, etc.. Some of the roads were closed up to several weeks.

Some towns experienced flooding such as Dumont, when a dike gave way and 2 feet of water moved down some of the streets. Countless acres of farmland and pastureland were underwater. As a result, many of the crops were not planted or there were significant delays in planting. High groundwater resulted in water in many basements. Also, some farms were surrounded by water and were inaccessible, leaving some people and livestock stranded. In early April, President Clinton declared Big Stone and Traverse counties a federal disaster area. The total damage estimate for the flooding was 5 million.

**MNZ039-046**

**Traverse - Big Stone**

**05 0800CST**  
**06 2300CST**

**0      0**

**Blizzard**

An intense area of low pressure brought widespread heavy rain of 1.5 to 2.5 inches to Big Stone and Traverse counties from the morning to late in the evening of the 5th worsening the flood situation. As the low pressure intensified and a powerful cold front moved southeast, the rain changed to sleet and then snow with accumulations of 2 to 6 inches. North winds increased to 40 to 60 mph causing widespread blizzard conditions. Temperatures dropped into the teens and 20s and wind chills fell to 15 to 30 below. Roads were either flooded or blocked by snowdrifts making travel almost impossible. Livestock losses were substantial as result of the blizzard. Some snowfall amounts included, 2 inches at Artichoke Lake, 6 inches at Wheaton and Browns Valley. The total damage estimate for this blizzard was 4 million.

**MNZ046**

**Big Stone**

**05 1000CST**  
**30 2359CST**

**0      0**

**Flood**

Near record to record snowmelt runoff combined with heavy rains of 1.5 to 2.5 inches on April 5th caused the Big Stone Lake to rise to a record level of 975.15 feet above sea level, 2 feet above the old record in 1952. The rising lake threatened to breach the Big Stone Dam. As a result, extensive evacuations took place downstream from the Whetstone River and the Big Stone Dam. If the earthen dam would break, water from the lake and river would travel down the Minnesota River flooding homes and farms in low areas. Residents were urged to move to higher ground. Hundreds of people worked around the clock filling sandbags to fortify the dam. All of the residents of the town of Odessa were evacuated on the 6th. People on the peninsula in Ortonville were ordered to move out on the 5th and traffic on Highway 12 was stopped. As Big Stone Lake rose to a record level, many homes, resorts, and businesses in parts of Ortonville and along the lake were flooded and significantly damaged. This was the worst flooding for this area in history.

**MNZ039**

**Traverse**

**05 1500CST**  
**30 2359CST**

**0      0**

**Flood**

Near record to record snowmelt runoff and heavy rains of 1.5 to 2.5 inches on April the 5th caused Lake Traverse to rise to well overfull. The lake flooded many homes, cabins, businesses, and resorts resulting in significant damage. There were a number of structures that had as much as 6 feet of water in them.

**MNZ039-046**

**Traverse - Big Stone**

**06 0000CST**  
**12 2359CST**

**0      0**

**Extreme Cold**

After the blizzard, extremely cold air settled over the area for around a week with high and low temperatures averaging 25 to 30 degrees below normal. Highs were mainly in the 20s and lower 30s through the period with lows in the single digits and teens. The cold weather did bring to a halt any further melting which slowed down the flooding and refroze much of the area's water. Many things that were flooded were now locked in a layer of ice.

## MISSISSIPPI, Central

**Washington County**  
**5 S Greenville**

**05 0727CST**

**0      0**

**2K**

**Thunderstorm Wind**

Several highway signs were blown down.

**Washington County**  
**Greenville**

**05 0730CST**

**0      0**

**3K**

**Thunderstorm Wind**

Trees and power lines were blown down throughout the city of Greenville.

**Bolivar County**  
**2 SE Boyle**

**05 0740CST**

**0      0**

**1K**

**Thunderstorm Wind**

Several trees were blown down.



# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>MISSISSIPPI, Central</b>									
<b>Washington County</b> Greenville	05	0740CST			0	0	2K		Thunderstorm Wind
			Several trees and power lines were blown down.						
<b>Claiborne County</b> Port Gibson	05	0745CST			0	0	1K		Thunderstorm Wind
			Several trees were blown down.						
<b>Humphreys County</b> Isola	05	0750CST			0	0			Thunderstorm Wind (G78)
<b>Sunflower County</b> Indianola	05	0800CST			0	0	4K		Thunderstorm Wind
			Power lines were blown down and metal power poles were pulled out of the ground..						
<b>Warren County</b> Vicksburg	05	0810CST			0	0	3K		Thunderstorm Wind (G52)
			Trees and power lines were blown down throughout the city of Vicksburg. The windows of a couple of houses were blown out.						
<b>Washington County</b> Metcalf	05	0810CST			0	0	1K		Thunderstorm Wind
			Several trees were blown down.						
<b>Yazoo County</b> Holly Bluff	05	0810CST			0	0	1K		Thunderstorm Wind
			Several trees were blown down.						
<b>Copiah County</b> Hazlehurst	05	0820CST			0	0			Thunderstorm Wind (G52)
<b>Yazoo County</b> Yazoo City	05	0830CST			0	0	3K		Thunderstorm Wind
			Several trees and power lines were blown down.						
<b>Hinds County</b> Raymond	05	0835CST			0	0			Thunderstorm Wind (G52)
<b>Holmes County</b> Lexington	05	0840CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Hinds County</b> Terry	05	0845CST			0	0	2K		Thunderstorm Wind
			Many tree were blown down..						
<b>Yazoo County</b> Benton	05	0900CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Rankin County</b> Florence	05	0905CST			0	0	2K		Thunderstorm Wind
			Numerous large limb were blown down and several power lines were blown down.						
<b>Madison County</b> 3 W Gluckstadt	05	0910CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Lincoln County</b> 2 N Brookhaven	05	0915CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Simpson County</b> Mendenhall	05	0940CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Scott County</b> Forest	05	1000CST			0	0	3K		Thunderstorm Wind
			Several trees were blown down in Forest and several other locations throughout the county.						
<b>Choctaw County</b> Reform	05	1005CST			0	0	2K		Thunderstorm Wind
			Many trees and power lines were blown down.						
<b>Marion County</b> Columbia	05	1030CST			0	0	3K		Tstm Wind/Hail
			Several trees blown down throughout the county.						
<b>Neshoba County</b> Philadelphia	05	1040CST			0	0	3K		Thunderstorm Wind
			Several trees were blown down in Philadelphia and several other locations thoughtout the county.						

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>MISSISSIPPI, Central</b>									
<b>Jones County</b> Laurel	05	1130CST			0	0	2K		Tstm Wind/Hail
			A few trees were blown down. Much of Laurel was without power.						
<b>Lauderdale County</b> Collinsville	05	1140CST			0	0	2K		Thunderstorm Wind (G52)
			Several trees were blown down.						
<b>Clarke County</b> Quitman	05	1206CST			0	0	5K		Thunderstorm Wind
			The roof of a building was damaged and several large limbs were blown down.						
<b>Lauderdale County</b> Meridian	05	1215CST			0	0			Hail (0.75)
<b>Lamar County</b> Sumrall	05	1220CST			0	0	2K		Tstm Wind/Hail
			Several trees were blown down.						
<b>Forrest County</b> Hattiesburg	05	1230CST			0	0	3K		Tstm Wind/Hail
			Several trees were blown down throughout the county.						
<b>Marion County</b> 2 S Kokomo	11	1230CST			0	0	10K		Thunderstorm Wind
			Half of the roof of a house and a porch was blown off. A shed was demolished.						
<b>Webster County</b> Mantee	21	1825CST			0	0			Hail (1.75)
<b>Adams County</b> 4 N Natchez	22	1025CST			0	0	1K		Thunderstorm Wind
			Several trees were blown down.						
<b>Claiborne County</b> Port Gibson	22	1040CST			0	0	1K		Thunderstorm Wind
			A few trees were blown down along Highway 61.						
<b>Yazoo County</b> Eden	22	1040CST 1140CST			0	0			Thunderstorm Wind (G52)
<b>Holmes County</b> Goodman	22	1050CST			0	0	1K		Thunderstorm Wind
			A few trees were blown down on Highway 51.						
<b>Winston County</b> Louisville	22	1100CST			0	0	50K		Thunderstorm Wind
			Four houses had major damage and one mobile home was destroyed. A car was heavily damaged. Part of the roof of a tin shed was blown up into a tree.						
<b>Rankin County</b> Flowood	22	1146CST			0	0	100K		Thunderstorm Wind
			A 20 foot section of roof was blown off the terminal building at the Jackson Airport. one hundred pound mats were blown around.						
<b>Scott County</b> Forest	22	1200CST			0	0	1K		Thunderstorm Wind
			A few trees were blown down.						
<b>Attala County</b> 6 S Kosciusko	22	1210CST			0	0	5K		Thunderstorm Wind
			Shingles were blown off a house and a couple of the windows were blown out. Several trees were blown down.						
<b>Carroll County</b> Vaiden	22	1215CST			0	0	5K		Thunderstorm Wind
			A mobile home was damaged and several trees were blown down.						
<b>Scott County</b> 3 S Morton	22	1215CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Newton County</b> Newton	22	1220CST			0	0	1K		Thunderstorm Wind
			A few tree were blown down.						
<b>Smith County</b> Taylorsville	22	1300CST			0	0			Hail (0.75)

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>MISSISSIPPI, Central</b>									
<b>Copiah County</b>									
Hazlehurst	22	1430CST			0	0	1K		Thunderstorm Wind
			A few trees were blown down in north and south Hazlehurst.						
<b>Smith County</b>									
5 E Raleigh	22	1515CST			0	0			Hail (0.75)
<b>Covington County</b>									
Mt Olive	22	1525CST			0	0			Hail (0.75)
<b>Clarke County</b>									
4 S Carmichael to Carmichael	22	1530CST			0	0			Hail (1.75)
<b>Jefferson Davis County</b>									
Hebron	22	1530CST			0	0			Hail (0.75)
<b>Lauderdale County</b>									
2 S Meridian	22	1537CST			0	0			Hail (1.00)
<b>Jasper County</b>									
Heidelberg	22	1555CST			0	0	1K		Thunderstorm Wind
			A few trees were blown down.						
<b>Lawrence County</b>									
10 SW Monticello	22	1609CST			0	0			Hail (0.75)
<b>Jones County</b>									
6 W Laurel	22	1612CST			0	0			Hail (0.75)
<b>Lincoln County</b>									
Brookhaven	22	1612CST			0	0	100K		Lightning
			Lightning caused two house fires.						
<b>Jones County</b>									
Laurel	22	1623CST			0	0			Hail (1.75)
<b>Jefferson Davis County</b>									
Bassfield	22	1630CST			0	0	1K		Thunderstorm Wind
			A few trees and large limbs were blown down on roads.						
<b>Marion County</b>									
Columbia	22	1645CST			0	0			Hail (0.75)
<b>Forrest County</b>									
Hattiesburg	22	1700CST			0	0			Hail (1.00)
<b>Forrest County</b>									
Hattiesburg	22	1700CST			0	0	3K		Thunderstorm Wind
			Numerous trees were blown down in Hattiesburg.						
<b>Lamar County</b>									
Purvis	22	1700CST			0	0	3K		Thunderstorm Wind
			Numerous trees were blown down in Purvis and at other locations throughout the county.						
<b>Lamar County</b>									
Baxterville	22	1800CST			0	0			Hail (1.00)
<b>MSZ034-060-062-066</b>									
	26	0245CST 0830CST			0	0	10K		High Wind
			Trees were blown down across all of these counties due to strong gradient wind. In Adams county a tree fell on a house in Kingston.						
<b>Adams County</b>									
Natchez	26	2330CST			0	0	3K		Thunderstorm Wind
			Several trees were blown down in Natchez and a couple other locations throughout the county.						
<b>Rankin County</b>									
Brandon	27	0030CST			0	0	3K		Thunderstorm Wind
			Several trees were blown down across the county.						
<b>Smith County</b>									
Taylorville	27	0055CST			0	0	3K		Thunderstorm Wind
			Several trees were blown down.						
<b>Adams County</b>									
Natchez	27	0130CST 0330CST			0	0			Flood
			Over three and a half inches of rain fell over Adams county and caused flooding of many roadways throughout the county.						

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>MISSISSIPPI, Central</u></b>									
<b>Simpson County</b> 4 E Mendenhall	27	0150CST			0	0			Hail (0.88)
<b>Copiah County</b> 1 E Hazlehurst	27	0152CST			0	0			Hail (1.00)
<b>Washington County</b> 1 S Greenville	27	0315CST			0	0			Hail (0.88)
<b>Lawrence County</b> Tilton	27	0400CST			0	0	2K		Thunderstorm Wind
									Several trees were blown down.
<b>Lamar County</b> Purvis	27	0600CST			0	0	2K		Thunderstorm Wind
									Trees were blown down.
<b>Forrest County</b> Hattiesburg	27	0615CST			0	0	2K		Thunderstorm Wind
									Several trees were blown down.
<b>Jefferson Davis County</b> Prentiss	27	1100CST 1300CST			0	0			Flood
									Water was over Highway 84.
<b>Marion County</b> Columbia	27	1100CST 1300CST			0	0			Flood
									Many roads were flooded across the county.
<b>Jones County</b> Laurel	27	1140CST			0	0	4K		Thunderstorm Wind
									A few trees and power lines and numerous large limbs were blown down.
<b>Jasper County</b> Paulding	27	1430CST 1600CST			0	0			Flood
									Several county roads were under water.
<b>Neshoba County</b> Neshoba to Newton	27	1500CST 1600CST			0	0			Flood
									Several county roads were flooded.
<b>Newton County</b> Newton	27	1500CST 1600CST			0	0			Flood
									Many county roads were under water.
<b><u>MISSISSIPPI, North</u></b>									
<b>Alcorn County</b> Wenasoga to 2 NE Corinth	19	1833CST 1900CST			0	0	0.10K		Hail (0.75)
									Dime size hail was reported in Wenasoga, Hinkle and Corinth. Hail was covering the ground just northeast of Corinth.
<b>Alcorn County</b> Rienzi to Jacinto	21	1529CST 1540CST			0	0	0.10K		Hail (0.75)
<b>Prentiss County</b> 2 N Thrashers	21	1540CST 1545CST			0	0	0.01K		Hail (0.75)
<b>Lafayette County</b> Oxford to 12 E Oxford	21	1548CST 1615CST			0	0	0.02K		Hail (0.75)
<b>Prentiss County</b> Casey Creek to Marietta	21	1632CST 1640CST			0	0	0.02K		Hail (0.75)
<b>Lafayette County</b> 3 SE Dogtown	21	1635CST 1640CST			0	0	0.50K		Hail (1.75)

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>MISSISSIPPI, North</u></b>									
<b>Pontotoc County</b>									
Toccopola	21	1655CST 1700CST			0	0	0.50K		Hail (1.75)
<b>Tishomingo County</b>									
Golden	21	1705CST			0	0	0.01K		Hail (0.75)
<b>Itawamba County</b>									
Sand Spgs	21	1710CST 1715CST			0	0	0.50K		Hail (1.75)
<b>Chickasaw County</b>									
Houlka	21	1730CST 1735CST			0	0	0.30K		Thunderstorm Wind
		Three trees were blown down.							
<b>Chickasaw County</b>									
Houlka	21	1735CST 1740CST			0	0	0.01K		Hail (0.75)
<b>Calhoun County</b>									
Pittsboro to 1 NW Vardaman	21	1750CST 1800CST			0	0	0.02K		Hail (0.75)
<b>Chickasaw County</b>									
2 S Woodland	21	1825CST 1830CST			0	0	0.50K		Hail (1.75)
<b>Clay County</b>									
Pheba	21	1845CST 1850CST			0	0	0.50K		Hail (1.75)
<b><u>MISSISSIPPI, South</u></b>									
<b>Pike County</b>									
Mc Comb	22	1605CST			0	0	1K		Thunderstorm Wind (G50)
<b>Pike County</b>									
Progress	22	1615CST			0	0	0.50K		Thunderstorm Wind (G50)
<b>Walthall County</b>									
Tylertown	22	1640CST			0	0	0.50K		Thunderstorm Wind (G50)
		Severe thunderstorms produced damage at several locations in southwest Mississippi. Trees were downed and storage building was damaged in Pike County and trees were reported downed in Tylertown.							
<b>Amite County</b>									
Liberty	05	0830CST			0	0	0.30K		Thunderstorm Wind
<b>Pike County</b>									
Mc Comb	05	0915CST			0	0	0.50K		Thunderstorm Wind
<b>Pike County</b>									
Mc Comb	05	0950CST			0	0	10K		Thunderstorm Wind
<b>Walthall County</b>									
Sartinsville	05	1000CST			0	0	1K		Thunderstorm Wind
<b>Jackson County</b>									
Pascagoula	05	1255CST			0	0	2K		Thunderstorm Wind
		Severe thunderstorms produced wind gusts causing damage in a few locations in south Mississippi, primarily downing trees. A barn roof was blown off near Mc Comb, and a house roof was damaged in Pascagoula.							
<b>Harrison County</b>									
Biloxi	11	1320CST			0	0	5K		Thunderstorm Wind
		Harrison County Civil Defense reported thunderstorm wind gusts damaged the roof of a large commercial retailer.							
<b>Pike County</b>									
Mc Comb	27	0400CST			0	0	20K		Flash Flood
<b>Walthall County</b>									
Tylertown	27	0400CST 1300CST			0	0	10K		Flash Flood
		Three to six inches of rainfall caused many small streams and low lying areas to flood. Several rural highways along with streets in rural communities in Pike and Walthall Counties were flooded. Several homes in McComb and one business in Summit, Pike County were flooded.							

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MISSISSIPPI, South

<b>MSZ068</b>	<b>Wilkinson</b>								
	<b>01</b>	<b>0000CST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
	<b>15</b>	<b>0000CST</b>	Mississippi River flood waters began to slowly recede. Mississippi Emergency Management Agency reported several camps and secondary dwellings were flooded in low areas near the river.						

## MISSISSIPPI, Southeast

<b>Stone County</b> <b>Wiggins</b>	<b>05</b>	<b>1205CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>		<b>Thunderstorm Wind (G50)</b>
	Several large limbs were blown down in Wiggins.								
<b>Perry County</b> <b>Kittrell</b>	<b>05</b>	<b>1215CST</b>			<b>0</b>	<b>0</b>	<b>1.5K</b>		<b>Thunderstorm Wind (G50)</b>
	Several trees were blown down near Kittrell.								
<b>Greene County</b> <b>5 E Sand Hill to</b> <b>6 E Sand Hill</b>	<b>21</b>	<b>1455CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
		<b>1456CST</b>	Dime size hail was reported five to six miles east of Sand Hill near the town of Clark.						
<b>Wayne County</b> <b>Waynesboro</b>	<b>22</b>	<b>1330CST</b>			<b>0</b>	<b>0</b>	<b>0.75K</b>		<b>Hail (1.00)</b>
		<b>1331CST</b>	Quarter size hail fell around Waynesboro. There were several reports of windshields being broken on vehicles.						
<b>Wayne County</b> <b>Hiwannee</b>	<b>22</b>	<b>1605CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
		<b>1606CST</b>	Quarter size hail fell along U. S. Highway 45 near Hiwannee.						
<b>Perry County</b> <b>Beaumont</b>	<b>22</b>	<b>1725CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
		<b>1726CST</b>	Dime size hail was reported in Beaumont.						
<b>Greene County</b> <b>2 S State Line</b>	<b>22</b>	<b>1738CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
	Quarter size hail was reported along State Highway 57 in the northeast corner of Greene county about two miles south of State Line.								
<b>Perry County</b> <b>Richton to</b> <b>5 E Beaumont</b>	<b>22</b>	<b>1745CST</b>			<b>0</b>	<b>0</b>	<b>1.5K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>1747CST</b>	Several trees were blown down from along State Highway 42 from Richton east to near the town of Brewer.						
<b>Greene County</b> <b>3 W Sand Hill to</b> <b>Sand Hill</b>	<b>22</b>	<b>1748CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>1753CST</b>	Several trees were blown down along State Highway 42 from near the Perry and Greene county line to Sand Hill. This is the same storm that blew down trees in Perry county as it moved east of Richton.						
<b>Greene County</b> <b>Leakesville to</b> <b>4 S State Line</b>	<b>22</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>1.5K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>1802CST</b>	Several trees were blown down along State Highway 57 from near Leakesville to about five miles south of State Line.						
<b>Greene County</b> <b>Pisgah</b>	<b>22</b>	<b>2010CST</b>			<b>0</b>	<b>0</b>	<b>1.5K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>2011CST</b>	Several trees were blown down near Pisgah. One of the trees fell on a shed and heavily damaged the structure.						
<b>George County</b> <b>Lucedale</b>	<b>22</b>	<b>2030CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
		<b>2031CST</b>	Dime size hail was reported in Lucedale.						
<b>Perry County</b> <b>Richton</b>	<b>26</b>	<b>0020CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>0021CST</b>	Several trees and power lines were blown down in and around Richton.						
<b>Wayne County</b> <b>Waynesboro</b>	<b>26</b>	<b>0105CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>0106CST</b>	Several trees were blown down just east of Waynesboro.						

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MISSISSIPPI, Southeast

### Stone County Wiggins

27	1210CST		0	0					
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A funnel cloud was observed just north of Wiggins. The funnel never touched down and no damage was found in the area.

### Stone County Wiggins

27	1210CST 1211CST		0	0	1K				Thunderstorm Wind (G50)
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Several trees were blown down just south of Wiggins.

## MISSOURI, East

### Clark County Kahoka

05	1235CST		0	0					Thunderstorm Wind (G52)
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The Clark County Sheriff reported trees and powerlines down in Kahoka.

### Scotland County 2 SW Memphis

05	1220CST		0	0					Thunderstorm Wind (G52)
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The Scotland County Sheriff reported a barn destroyed by thunderstorm wind gusts. Some trees and power lines were also downed in the north and central parts of the county.

### MOZ009>010- 018>019-026>027- 034>036-041>042- 047>052-059>065

**Scotland - Clark - Knox - Lewis - Shelby - Marion - Monroe - Ralls - Pike - Boone - Audrain - Moniteau - Cole - Osage - Callaway - Montgomery - Lincoln - Gasconade - Warren - St. Charles - Franklin - St. Louis - St. Louis (C) - Jefferson**

10	0600CST 1400CST		0	0					Winter Storm
----	--------------------	--	---	---	--	--	--	--	--------------

A spring snowstorm caught many residents of central, northeast and east central Missouri by surprise the morning and afternoon of April 10. 2 to 4 inches of snow fell from central to northeast Missouri while a band of 4 to 6 inches fell across east central Missouri. The snow cancelled many outdoor activities, including the St. Louis Cardinals baseball game. It was the first time since April 17, 1983 that a Cardinals home game was snowed out. Some trees were damaged due to the accumulation of the heavy wet snow.

### St. Louis County Eureka

18	1920CST		0	0					Hail (0.75)
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Eureka Police reported 3/4 inch hail.

### Jefferson County De Soto

18	1925CST		0	0					Hail (1.75)
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Storm spotters reported golfball size hail in De Soto.

### Marion County Hannibal

18	2000CST		0	0					Hail (0.75)
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Amateur radio spotters reported 3/4 inch hail.

### Boone County Columbia

18	2000CST		0	0					Hail (1.74)
----	---------	--	---	---	--	--	--	--	-------------

Boone County EOC reported golfball size hail on the north side of Columbia.

### St. Charles County Augusta

18	2006CST		0	0					Hail (1.00)
----	---------	--	---	---	--	--	--	--	-------------

Amateur radio spotters reported 1 inch hail.

### Marion County Hannibal

18	2010CST		0	0					Hail (1.00)
----	---------	--	---	---	--	--	--	--	-------------

Hannibal Police reported 1 inch hail.

### Lincoln County Troy

18	2045CST		0	0					Thunderstorm Wind (G52)
----	---------	--	---	---	--	--	--	--	-------------------------

The county Sheriff reported wind gusts of at least 60 mph with trees and power lines down on the north and east sides of Troy.

### Pike County Bowling Green

18	2040CST		0	0					Hail (0.88)
----	---------	--	---	---	--	--	--	--	-------------

The county sheriff reported that nickel size hail covered the ground.

### St. Charles County St Peters

18	2058CST		0	10	100K				Thunderstorm Wind (G55)
----	---------	--	---	----	------	--	--	--	-------------------------

A dry microburst caused wind damage in St. Peters. Trees and power lines were downed as were some signs along Interstate 70. A church also suffered roof damage. About 10 people were injured from the shingles flying off the church. The adjacent rectory also lost part of its roof.

### St. Louis County Berkeley

18	2110CST		0	0					Hail (1.75)
----	---------	--	---	---	--	--	--	--	-------------

Amateur radio spotters reported golfball size hail.

### St. Louis County Bel Ridge

18	2114CST		0	0					Hail (0.75)
----	---------	--	---	---	--	--	--	--	-------------

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MISSOURI, East

Amateur radio spotters reported 3/4 inch hail near Interstate 70 and North Hanley Road.

### St. Louis County

Fenton

18 2118CST 0 0 Hail (1.00)  
Amateur radio spotters reported 1 inch hail.

### St. Charles County

O Fallon

18 2144CST 0 0 Hail (0.75)  
Amateur radio spotters reported 3/4 inch hail.

### St. Charles County

St Peters

18 2154CST 0 0 Hail (0.75)  
Amateur radio spotters reported 3/4 inch hail.

### Franklin County

3 E Beaufort

19 0014CST 0 0 Hail (1.00)  
Amateur radio spotters reported 1 inch hail.

### Franklin County

St Clair

19 0030CST 0 0 Hail (0.75)  
Amateur radio spotters reported 3/4 inch hail.

### Lewis County

Ewing to  
1 N Canton

30 1215CST 15 100 0 1 200K Tornado (F1)  
1222CST

A tornado left an intermittent path of damage from south central Lewis County, Missouri into Adams County, Illinois. A machine shed was destroyed near Ewing where the tornado first formed. The storm moved quickly northeast causing intermittent tree damage and some roof damage to homes and outbuildings until it approached Canton. On the northwest side of Canton 4 homes suffered major roof damage. According to emergency management officials, 10 homes suffered major roof damage, another 30 minor damage. About 20 outbuildings were destroyed. Once the tornado crossed the Mississippi River into Illinois, the tornado weakened and only caused tree damage. There was injury near Canton. An 18 year-old man suffered some bruised when he was thrown down some stairs when the roof of his home flew off.

### Lewis County

1 W La Grange to  
1 N La Grange

30 1222CST 1 50 0 0 20K Tornado (F0)  
1225CST

A small tornado formed just west of La Grange, Missouri and moved northeast into Illinois. In La Grange, some trees and power lines were downed, homes suffered minor roof damage and some windows were broken. In Illinois, some outbuildings were destroyed near Marcelline.

MOZ009>010-  
018>019-026>027-  
034>036-052-060>065

Scotland - Clark - Knox - Lewis - Shelby - Marion - Monroe - Ralls - Pike - Lincoln - Warren - St. Charles - Franklin - St. Louis - St. Louis (C) - Jefferson

30 1300CST 0 0 High Wind (G45)  
1700CST

West to northwest winds of 30 to 40 mph with gusts over 50 mph blew in behind a cold front causing widespread damage across northeast and east central Missouri, and west central and southwest Illinois. Damage was primarily limited to roof shingles, trees, powerlines, and outdoor signs. Union Electric reported nearly 70,000 people were without power for a time across east central Missouri and southwest Illinois.

MOZ009>010-  
018>019-026>027-  
034>036-052-060>065-  
073>075

Scotland - Clark - Knox - Lewis - Shelby - Marion - Monroe - Ralls - Pike - Lincoln - Warren - St. Charles - Franklin - St. Louis - St. Louis (C) - Jefferson - Washington - St. Francois - Ste. Genevieve

05 1500CST 0 0 High Wind (G50)  
2000CST

Gradient winds behind a cold front gusted over 50 mph across parts of northeast Missouri and east Missouri and west central Illinois from afternoon into the evening. Trees and power lines were downed throughout the area, some outbuildings damaged, roof shingles torn off, and outdoor signs damaged. An automobile accident in St. Francois County Missouri resulting in the death of one person was also blamed on the strong winds.

## MISSOURI, Lower

NONE REPORTED.



# Storm Data and Unusual Weather Phenomena

April 1997

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

## MISSOURI, Northwest

<b>MOZ001&gt;008-011&gt;017</b>	<b>Atchison - Nodaway - Worth - Gentry - Harrison - Mercer - Putnam - Schuyler - Holt - Andrew - De Kalb - Daviess - Grundy - Sullivan - Adair</b>								
<b>10</b>	<b>0000CST</b>				<b>0</b>	<b>2</b>	<b>9.8M</b>		<b>Heavy Snow</b>
<b>11</b>	<b>2300CST</b>								

Heavy wet snow fell across the Northern third of Missouri throughout the day on the 10th followed by a second band of snow during the early morning hours of the 11th. Since temperatures were near or slightly over freezing during the snowfall, some of the snow melted quickly but 6 to 12 inches of snow accumulated with well over a foot in many locations.

The heaviest snow fell along and to the north of Highway 136 from Albany in Gentry County to Princeton in Mercer County to Lancaster in Schuyler County. The greatest totals were recorded in Schuyler and Mercer Counties where 20-24 inches of snow was reported. Schuyler County Emergency Management reported 24 inches of snow at Lancaster and a Mercer County Cooperative Observer measured 20 inches of snow in Lake Pahoe. Mercer County Emergency Management officials reported 18 inches of snowfall in Mercer and 14 inches in Priceton. Elsewhere in Northern Missouri, Cooperative Observers reported 17 inches of snow in Grant City, 14 inches in Bethany and 13 to 18 inches in Unionville. Observers in Albany reported 15 to 20 inches of heavy wet snow.

In Schuyler County, just over 2 million dollars of damage was reported as a result of the heavy snow. Most of the damage was to farms and farm equipment due to collapsed buildings and grain bins. Up to 20 cattle were reported lost during the storm. Schuyler County Commission signed a proclamation declaring the county a disaster area. Livestock loss and farm damage was also reported in other areas of Northern Missouri. In Mount Moriah in Harrison County heavy snow caused a barn roof to collapse injuring 17 horses, one of which was seriously injured as a result of a stab wound. In Albany, a large portion of the roof of a 200 foot building of a lumber company collapsed. Fork lifts, plywood, lumber and insulation were all damaged as a result of the roof collapse. There were many other reports of roofs calapsing throughout Northern Missouri to private residences.

The roof of a bowling alley caved in in Trenton as a result of heavy snow build up, injuring two people. Numerous school closures and non-injury auto accidents were reported as a result of the snowstorm.

### **Cooper County Boonville**

<b>18</b>	<b>2015CST</b>				<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G70)</b>
	<b>2037CST</b>								

Severe thunderstorm winds gusted to 70 MPH and knocked down 4 large trees in Boonville near the intersection of 87 Highway and Interstate 70.

### **Howard County New Franklin to Fayette**

<b>18</b>	<b>2155CST</b>				<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
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Dime-size hail was reported during a severe thunderstorm along Route 5 10 miles north of New Franklin.

Heavy wet snow fell across the Northern third of Missouri throughout the day on the 10th followed by a second band of snow during the early morning hours of the 11th. Since temperatures were near or slightly over freezing during the snowfall, some of the snow melted quickly but 6 to 12 inches of snow accumulated with well over a foot in many locations.

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# Storm Data and Unusual Weather Phenomena

April 1997

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

## MISSOURI, Northwest

<b>Bates County</b>									
4 S Rich Hill	20	1545CST			0	0			Hail (1.00)
A Bates County severe weather spotter reported quarter-size hail 4 miles south of Rich Hill.									
<b>Holt County</b>									
Oregon	30	0125CST			0	0			Hail (0.75)
Holt County Sheriff's office reported dime-size hail in Oregon.									
<b>Andrew County</b>									
1 W Fillmore	30	0245CST			0	0			Hail (1.00)
An Andrew County cooperative observer reported one inch hail in a severe thunderstorm a mile west of Fillmore.									
<b>Platte County</b>									
Weston	30	0702CST			0	0			Hail (0.75)
A Kansas City television station reported dime-size hail in Weston.									
<b>Harrison County</b>									
Mt Moriah	30	0842CST			0	0			Hail (1.00)
One inch hail was reported by the public at Mt. Moriah during a severe thunderstorm.									
<b>Mercer County</b>									
Princeton	30	0910CST			0	0			Hail (1.00)
One inch diameter hail was reported in Princeton by the Mercer County Sheriff's office during a severe thunderstorm.									
<b>Chariton County</b>									
5 N Keytesville	30	1045CST			0	0			Hail (0.75)
Dime-size hail was reported by the public during a severe thunderstorm 5 miles north of Keytesville									
<b>MOZ014-020-023-028-030&gt;032-037-039&gt;040-044-046-054</b>									
<b>Daviess - Buchanan - Livingston - Platte - Ray - Carroll - Chariton - Jackson - Saline - Howard - Johnson - Cooper - Henry</b>									
	11	0000CST			0	0			Flood
	20	0000CST							

Up to 3.5 inches of rain fell over Northwest Missouri on the 10th and 11th resulting many small streams to rise above flood stage. The flooding started on the 11th and persisted to the 15th to 20th in many locations.

Blue River  
Kansas City, MO

Flood Stage 33 ft  
Above Flood Stage 4/11  
Crest 33.0 ft

South Grand River  
Urich, MO

Flood Stage 24 ft  
Above Flood Stage 4/11 to 4/14  
Crest 26.98 ft on 4/12

Big Creek  
Blirstown, MO

Flood Stage 20 ft  
Above Flood Stage 4/11 to 4/14  
Crest 24.0 ft on 4/12

Platte River

Agency, MO

Flood Stage 20 ft  
Above Flood Stage 4/11 to 4/16  
Crest 21.15 on 4/15

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MISSOURI, Northwest

Sharps Station, MO

Flood Stage 26 ft  
 Above Flood Stage 4/11 to 4/17  
 Crest 30.75 ft on 4/13

Platte City, MO

Flood Stage 20 ft  
 Above Flood Stage 4/11 to 4/17  
 Crest 25.95 ft on 4/14

Little Platte River  
 Smithville, MO

Flood Stage 24 ft  
 Above Flood Stage 4/11  
 Crest 25.98 ft

Crooked River  
 Richmond, MO

Flood Stage 20 ft  
 Above Flood Stage 4/11 to 4/12  
 Crest 25.3 ft on 4/12

Wakenda Creek  
 Carrollton, MO

Flood Stage 20 ft  
 Above Flood Stage 4/11 to 4/13  
 Crest 23.8 ft on 4/12

Grand River

Pattonsburg, MO

Flood Stage 25 ft  
 Above Flood Stage 4/15  
 Crest Estimated 25.0 ft

Chillicothe, MO

Flood Stage 24 ft  
 Above Flood Stage 4/11 to 4/13  
 Crest 28.91 ft on 4/12

Sumner, MO

Flood Stage 26 ft  
 Above Flood Stage 4/11 to 4/19  
 Crest 35.22 ft on 4/16

Brunswick, MO

Flood Stage 19 ft  
 Above Flood Stage 4/11 to 4/13  
 Crest 27.53 ft on 4/13

Blackwater River

Valley City, MO

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MISSOURI, Northwest

Flood Stage 22 ft  
 Above Flood Stage 4/11 to 4/13  
 Crest Estimated 28.6 ft on 4/11

Blue Lick, MO

Flood Stage 25 ft  
 Above Flood Stage 4/11 to 4/16  
 Crest 31.07 ft on 4/14

Petite Saline Creek  
 Boonville, MO

Flood Stage 16 ft  
 Above Flood Stage 4/11  
 Crest Estimated 16.0 ft

Chariton River  
 Praire Hill, MO

Flood Stage 15 ft  
 Above Flood Stage 4/11 to 4/12  
 Crest 18.29 ft on 4/11

Moniteau Creek  
 Fayette, MO

Flood Stage 16 ft  
 Above Flood Stage 4/11 to 4/12  
 Crest 19.4 ft on 4/11

Fishing River  
 Mosby, MO

Flood Stage 18 ft  
 Above Flood Stage 4/11 to 4/12  
 Crest 25.0 ft on 4/11

## **MOZ020-037>040-046 Buchanan - Jackson - Lafayette - Saline - Howard - Cooper**

<b>05</b>	<b>0000CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
<b>30</b>	<b>0000CST</b>			

Snowmelt from the Northern Plains began to push the Missouri River above flood stage as early as the 5th. Then 2 to 3 inches of rain on the 10th and 11th helped put the river above flood stage through month's end in many locations across Northwest Missouri.

Missouri River

St. Joseph, MO

Flood Stage 17 ft  
 Above Flood Stage 4/5 through 4/30  
 Crest 20.97 ft

Sibley, MO

Flood Stage 22 ft  
 Above Flood Stage 4/11 through 4/30  
 Crest 28.6 ft on 4/12

# Storm Data and Unusual Weather Phenomena

April 1997

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

**MISSOURI, Northwest**

Napoleon, MO

Flood Stage 17 ft  
 Above Flood Stage 4/11 through 4/30  
 Crest 24.2 ft on 4/12

Waverly, MO

Flood Stage 20 ft  
 Above Flood Stage 4/11 through 4/30  
 Crest 26.53 ft on 4/13

Miami, MO

Flood Stage 18 ft  
 Above Flood Stage 4/11 through 4/30  
 Crest N/A

Glasgow, MO

Flood Stage 25 ft  
 Above Flood Stage 4/11 through 4/26  
 Crest 31.67 ft on 4/13

Boonville, MO

Flood Stage 21 ft  
 Above Flood Stage 4/11 through 4/27  
 Crest 29.39 ft on 4/13

**MOZ054**

**Henry**

**06 0000CST**  
**07 0000CST**

**0 0**

**Flood**

Rainfall on the 2nd through the 6th contributed to the South Grand River rising above flood stage on the 6th.

South Grand River  
 Urich, MO

Flood Stage 24 ft  
 Above Flood Stage 4/6 to 4/7  
 Crest 24.3 ft on 4/6

**MOZ023-032**

**Livingston - Chariton**

**23 0000CST**  
**26 2300CST**

**0 0**

**Flood**

An additional inch of rain across parts of Northwest Missouri on the 23rd helped push the already swollen Grand River above flood stage on the 23rd through the 26th.

Grand River

Chillicothe, MO

Flood Stage 24 ft  
 Above Flood Stage 4/23 to 4/24  
 Crest 25.61 ft on 4/23

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MISSOURI, Northwest

Sumner, MO

Flood Stage 26 ft  
Above Flood Stage 4/23 through 4/26  
Crest 32.13 ft on 4/23

Brunswick, MO

Flood Stage 19 ft  
Above Flood Stage 4/23 through 4/26  
Crest 21.55 ft on 4/24

## MISSOURI, Southeast

**MOZ076-086>087-100-107>112-114 Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid**

**18 0300CST 0 0 Frost**  
**0700CST**

An unseasonably cold April caused problems for some growers, especially fruit growers. The peach crop was especially vulnerable because mild temperatures in March resulted in early blossoms. Lows on April 18 were near 30 degrees. One orchard owner near Jackson in Cape Girardeau County called in two helicopters to fly over his orchard all night. The helicopters flew slowly through a warm layer of air 100 feet above the orchards, forcing the air down onto 23,000 apple trees. The effort was deemed a success by the orchard owner.

### **Cape Girardeau County**

**(Cgi)Cape Girardeau 20 2157CST 0 0 Thunderstorm Wind (G60)**  
The automated surface observing system at Cape Girardeau Regional Airport measured a gust to 69 MPH.

### **Butler County**

**Poplar Bluff 20 2215CST 0 0 20K Thunderstorm Wind**  
Windows were broken and some roofs were damaged. Numerous trees were blown down.

### **Mississippi County**

**Charleston to East Prairie 20 2250CST 0 0 2K Thunderstorm Wind**  
Power lines were down in Charleston. A couple trees were down in East Prairie.

### **Stoddard County**

**1 N Dexter 20 2245CST 0 0 10K Thunderstorm Wind**  
The roof was partially blown off a building housing a church and furniture store. Numerous tree limbs were down.

### **New Madrid County**

**New Madrid to Portageville 20 2250CST 0 0 25K Thunderstorm Wind (G62)**  
Roofs were damaged, power poles were snapped, and numerous trees were down in New Madrid. The plate glass window of a furniture store was broken in New Madrid. Most of New Madrid was without power following the storm. Power was out for over 24 hours in some places. Tree limbs and one whole tree were blown down in Portageville.

### **Mississippi County**

**1 W Anniston to 5 E Anniston 30 1707CST 0 0 200K Thunderstorm Wind (G65)**  
**1714CST**  
A thunderstorm became severe over western Mississippi County, and then moved over the Anniston area. Extensive damage was done to buildings and a small airport along Highway 105 near Anniston. An ambulance shelter in Anniston was damaged. A chemical storage building had four overhead doors blown out. Two offices in the main building were partially destroyed. A radio tower was broken. The roof of an airplane hangar buckled. An aircraft valued at 80,000 dollars which was inside the hangar was destroyed. A second airplane outside the hangar was heavily damaged when the wind blew it over. A large tree blocked the road between Anniston and Highway 105. Power was out for several hours in parts of East Prairie and Anniston. Wind speeds were clocked at 73 MPH at the airport.

**MOZ076-086>087-100-107>112-114 Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid**

**30 1300CST 0 0 High Wind (G52)**  
**1700CST**

Strong southwest winds, not related to thunderstorms, gusted between 50 and 60 MPH on hilltops and southwest-facing exposures. No major problems were reported.

## MISSOURI, Southwest

### **St. Clair County**

**Osceola 20 1620CST 0 0 Hail (1.00)**

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>MISSOURI, Southwest</b>									
<b>St. Clair County</b>									
Lowry City	20	1625CST			0	0			Hail (0.75)
<b>Benton County</b>									
9 S Fairfield	20	1650CST			0	0			Hail (0.75)
<b>St. Clair County</b>									
3 S Appleton City	20	1710CST			0	0	10K	0	Thunderstorm Wind
Thunderstorm winds blew roof off farm outbuilding and a large tree was blown down. One inch hail was also reported.									
<b>Hickory County</b>									
1 N Preston	20	1718CST			0	0	0	0	Thunderstorm Wind
Thunderstorm winds downed numerous trees.									
<b>Barton County</b>									
Lamar	20	1721CST			0	0			Hail (0.75)
<b>Barton County</b>									
Kenoma	20	1733CST			0	0	10K	5K	Hail (2.75)
Large hail damaged roofs and vehicles.									
<b>Dade County</b>									
Lockwood	20	1740CST			0	0			Hail (0.75)
<b>Barton County</b>									
Golden City	20	1745CST			0	0	0	0	Hail (1.75)
<b>Camden County</b>									
Roach	20	1738CST			0	0			Hail (0.75)
<b>Camden County</b>									
1 N Stoutland	20	1808CST			0	0	0	0	Thunderstorm Wind
<b>Dade County</b>									
Greenfield	20	1800CST			0	0			Hail (0.75)
<b>Dade County</b>									
Everton	20	1830CST			0	0			Hail (1.00)
<b>Polk County</b>									
13 N Bolivar	20	1814CST			0	0	0	0	Hail (1.75)
<b>Hickory County</b>									
3 W Pittsburg	20	1802CST			0	0			Hail (0.75)
<b>Polk County</b>									
Urbana	20	1735CST			0	0			Thunderstorm Wind (G55)
<b>Polk County</b>									
Louisburg	20	1800CST			0	0			Hail (1.00)
<b>Morgan County</b>									
Rocky Mt	20	1730CST			0	0			Hail (0.75)
<b>Camden County</b>									
Montreal	20	1805CST			0	0	0	0	Thunderstorm Wind
Thunderstorm winds downed trees.									
<b>Barton County</b>									
3 W Golden City	20	1820CST			0	0			Hail (1.00)
<b>Pulaski County</b>									
Crocker	20	1825CST			0	0			Hail (1.50)
<b>Cedar County</b>									
Stockton	20	1834CST			0	0			Hail (0.88)
<b>Pulaski County</b>									
St Robert	20	1840CST			0	0	25K	0	Thunderstorm Wind
Thunderstorm winds estimated at 60 to 70 knots damaged business signs and downed trees in the city. Winds damaged a city owned utility shed and ripped the roof off a mobile home.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSOURI, Southwest</b>									
<b>Laclede County</b>									
3 N Lebanon	20	1842CST			0	0			Hail (0.75)
<b>Greene County</b>									
Ash Grove	20	1845CST			0	0			Hail (0.75)
<b>Lawrence County</b>									
Mt Vernon	20	1907CST			0	0	0	0	Hail (1.75)
<b>Dallas County</b>									
Long Lane	20	1845CST			0	0			Hail (0.75)
<b>Polk County</b>									
Bolivar	20	1845CST			0	0			Hail (0.88)
<b>Mcdonald County</b>									
Jacket	20	1935CST			0	0			Hail (0.75)
<b>Mcdonald County</b>									
Anderson	20	1920CST			0	0			Hail (0.75)
<b>Laclede County</b>									
5 E Bennett Springs	20	1900CST			0	0			Hail (0.75)
<b>Camden County</b>									
4 SE Camdenton	20	1919CST			0	0			Hail (1.00)
<b>Lawrence County</b>									
Lawrenceburg	20	1915CST			0	0			Hail (0.75)
<b>Greene County</b>									
Ash Grove	20	1915CST			0	0			Hail (0.75)
<b>Lawrence County</b>									
4 W Billings	20	1925CST			0	0			Hail (0.75)
<b>Barry County</b>									
Seligman	20	1925CST			0	0			Hail (0.75)
<b>Dent County</b>									
Anutt	20	1930CST			0	0	5K	0	<b>Thunderstorm Wind</b>
Thunderstorm winds blew shingles off home and did minor roof damage. Power lines and trees were also downed.									
<b>Christian County</b>									
Highlandville	20	2000CST			0	0			Hail (1.00)
<b>Greene County</b>									
8 W Fair Grove	20	1925CST			0	0			Hail (1.00)
<b>Newton County</b>									
6 SW Neosho	20	1907CST			0	0			Hail (1.00)
<b>Stone County</b>									
Galena	20	1935CST			0	0			Hail (0.75)
<b>Christian County</b>									
Chestnutridge	20	2005CST			0	0			Hail (1.00)
<b>Webster County</b>									
4 S Seymour	20	2000CST			0	0			Hail (0.75)
<b>Barry County</b>									
Golden	20	2025CST			0	0			Hail (0.75)
<b>Taney County</b>									
Taneyville	20	2030CST			0	0			Hail (0.75)
<b>Wright County</b>									
Mountain Grove	20	2035CST			0	0			Hail (1.00)
<b>Christian County</b>									
Chadwick	20	2025CST			0	0			Hail (0.75)
<b>Howell County</b>									
3 N West Plains	20	2118CST			0	0			Hail (0.75)
<b>Ozark County</b>									
1 N Gainesville	20	2113CST			0	0			Hail (0.75)
<b>Howell County</b>									
South Fork	20	2158CST			0	0			Hail (0.88)



# Storm Data and Unusual Weather Phenomena

April 1997

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

## MONTANA, Central

**MTZ010>015 Eastern Glacier / Eastern Pondera / Toole / Liberty - Blaine / Chouteau / Hill - Cascade / Eastern Teton - Fergus / Judith Basin - Broadwater / Jefferson / Meagher / Central And Southern Lewis And Clark - Gallatin / Madison**

04	0000MST	0	0	Winter Storm
05	1600MST			

A winter storm struck central Montana with most areas receiving 8 to 12 inches of snow and with several feet on snow in some of the northern facing slopes. Steady winds of 25 to 35 mph accompanied the storm with some areas gusting up to 45 mph causing drifting of snow in many areas. Some of the heavier amounts included 20 inches at Norris and Pony, 36 inches at Lewistown and 4 4 inches at Shonkin. A rancher in the Snowy Mountain foothills reported up to 5 feet of snow. The blowing snow also caused numerous road closures.

**MTZ012>014 Cascade / Eastern Teton - Fergus / Judith Basin - Broadwater / Jefferson / Meagher / Central And Southern Lewis And Clark**

01	0300MST	0	0	Heavy Snow
	1800MST			

Heavy snow fell from Great Falls eastward to the Highwood Mountains and southward over the Little and Big Belt Mountains. Most areas received 5 to 8 inches of snow.

**MTZ015 Gallatin / Madison**

09	0000MST	0	0	Heavy Snow
	1200MST			

A spotter 17 miles south of Alder received 5 inches of snow.

**MTZ013 Fergus / Judith Basin**

10	0000MST	0	0	Heavy Snow
	1600MST			

7 inches of snow fell at Shonkin.

**MTZ014 Broadwater / Jefferson / Meagher / Central And Southern Lewis And Clark**

17	1720MST	0	0	2K High Wind
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Strong winds, gusting up to 49 mph, tore a section of a metal roof off a trailer in Helena.

**MTZ009 Rocky Mountain Front**

17	1100MST	0	0	High Wind (G66)
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Browning reported a wind gust of 76 mph.

**MTZ011 Blaine / Chouteau / Hill**

22	0800MST	0	0	High Wind (G51)
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Chinook reported a wind gust of 59 mph.

**MTZ010 Eastern Glacier / Eastern Pondera / Toole / Liberty**

03	0400MST	0	0	High Wind (G57)
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Cut Bank reported a wind gust of 66 mph.

**MTZ011 Blaine / Chouteau / Hill**

14	0900MST	0	0	High Wind (G50)
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Fort Belknap reported a wind gust of 58 mph.

**MTZ011 Blaine / Chouteau / Hill**

21	1100MST	0	0	High Wind (G53)
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Fort Belknap reported a wind gust of 61 mph.

**MTZ011 Blaine / Chouteau / Hill**

28	0030MST	0	0	High Wind (G51)
----	---------	---	---	-----------------

Fort Belknap reported a wind gust of 59 mph.

**MTZ014 Broadwater / Jefferson / Meagher / Central And Southern Lewis And Clark**

20	1200MST	0	0	High Wind (G50)
----	---------	---	---	-----------------

An automated sensor 3 miles west of Townsend reported a wind gust of 58 mph.

## MONTANA, East

**MTZ024>027 Richland - Dawson - Prairie - Wibaux**

04	0500MST	0	0	Blizzard
06	1800MST			

A strong storm system moved from northeast Colorado through the western Dakotas. The intensifying storm brought snow and gusty winds which caused blizzard conditions along eastern Montana. Snow accumulations of 3 inches in Sidney to up to 10 inches in Wibaux in combination with winds of 30 to 35 mph and gusts to over 50 mph were reported. Sections of Interstate 94 were closed stranding truckers and travelers in the Glendive area. Twenty six motorists who could not find hotel rooms stayed at the National Guard Amory in Glendive. Coming at the end of calving season, this storm hit area ranchers hard with reports of cattle losses.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## MONTANA, South

**Carbon County**  
1 W Joliet to  
Joliet

20 1630MST 0 0 Tstm Wind/Hail

Nickel sized hail in Joliet in Carbon County. No damage was reported.

**MTZ028-028-034**

**Wheatland - Stillwater**

04 0200MST 0 0 Heavy Snow  
2000MST

18 INCHES OF SNOW REPORTED IN 12 HOURS IN MELVILLE IN STILLWATER COUNTY. 2 FEET OF SNOW REPORTED IN CRAZY MOUNTAINS IN 12 HOURS IN SWEETGRASS COUNTY. 6 INCHES OF SNOW REPORTED IN 12 HOURS IN BIG TIMBER IN SWEETGRASS COUNTY.

**MTZ031**

**Rosebud**

05 0200MST 0 0 Heavy Snow  
1500MST

**MTZ036**

**Powder River**

05 1300MST 0 0 Blizzard  
2300MST

NEAR BIDDLE, SNOW DRIFTS TO 6 FEET REPORTED WITH ZERO VISIBILITIES. 15 INCHES OF SNOWFALL IN 12 HOURS 20 MILES SOUTH OF ASHLAND IN ROSEBUD COUNTY.

**MTZ028**

**Wheatland**

04 0500MST 0 0 Heavy Snow  
1200MST

10 MILES SOUTH OF BIG TIMBER 25 INCHES OF SNOW FELL IN 12 HOURS.

**MTZ034**

**Stillwater**

04 0500MST 0 0 Heavy Snow  
1800MST

RED LODGE RECEIVED 18 TO 24 INCHES OF SNOW WITH 7 TO 8 FOOT DRIFTS IN THE CITY.

**MTZ036-036**

**Powder River**

05 1200MST 0 0 Blizzard  
1800MST

WEATHER SPOTTER IN SONNET REPORTING HEAVY SNOW 30 TO 40 MPH WINDS AND WHITE OUT CONDITIONS. SNOW DRIFTS UP TO 6 FEET HIGH. SHERIFF IN BROADUS REPORTED HEAVY SNOW AND VISIBILITIES LESS THAN 1/4 MILE.

**MTZ035**

**Yellowstone/Big Horn**

06 1400MST 0 0 Heavy Snow  
2300MST

SNOWFALL OF 11 INCHES IN BILLINGS.

**MTZ032>033-036>037**

**Custer - Fallon - Powder River - Carter**

04 1200MST 0 0 Blizzard  
06 2200MST

BLIZZARD KILLED NEARLY 50,000 HEAD OF CATTLE AND SHEEP ACROSS SOUTHEAST MONTANA. 24,285 COWS AND CALVES, 25,111 SHEEP AND LAMBS WERE KILLED FROM BLIZZARD CONDITIONS.

## MONTANA, West

**MTZ001-004-006**

**Kootenai/Cabinet Region - Lower Clark Fork/Bitterroot Mountains - Blackfoot/Pintlar Region**

03 1745MST 0 0 Heavy Snow  
04 2359MST

Snow amounts recorded include 10 inches at Noxon, 6 inches at Libby, 8 at Discovery Ski Area, and 6-8 inches at Lookout Pass Ski Area.

**MTZ001**

**Kootenai/Cabinet Region**

21 0000MST 0 0 Flood  
27 2359MST

Extensive flooding included the following damage in Lincoln County: 1) An approach to Pleasant Valley Bridge on U.S. Highway 2 over Fisher River weakened and the highway was temporarily closed; 2) Mudslides moved several houses off their foundations in Libby and caused mud up to 3 feet in residential yards, and caused downed trees onto power lines leading to a fire; 3) Pipe Creek flooded a residential basement; 4) Mudslide at Wolf Creek trapped several cars, requiring a search and rescue team. Damage from flooding in Sanders County include Little Bitterroot River Road, Mosquito Creek Road, Little Thompson River Roads, Vermillion Road and Beaver Creek Road being washed out in spots.

## NEBRASKA, Central

**NEZ004>007-022>023-035-056-058-069>071**

**Sheridan - Cherry - Keya Paha - Boyd - Garden - Grant - Arthur - Deuel - Perkins - Chase - Hayes - Frontier**

05 0600CST 0 0 100K Blizzard  
06 0600CST

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NEBRASKA, Central

An intense low pressure moving slowly from southwest Nebraska toward northeast Nebraska dumped 10 inches of snow in the Nebraska Panhandle. A cold front with very strong northwest winds gusting to around 45 mph produced blizzard conditions across the panhandle. High winds broke down power lines so that some residents were without power for as long as 15 hours. A large 42,000 bushel grain bin was blown down in Hay Springs along with some new construction framing. I-80 was closed to traffic west of Big Springs Saturday afternoon and night.

**NEZ004>010-022>029-035>038-056>059-069>071** **Sheridan - Cherry - Keya Paha - Boyd - Brown - Rock - Holt - Garden - Grant - Hooker - Thomas - Blaine - Loup - Garfield - Wheeler - Arthur - Mcpherson - Logan - Custer - Deuel - Keith - Perkins - Lincoln - Chase - Hayes - Frontier**  
**09 1800CST** **0** **0** **Winter Storm**  
**11 2300CST**

A winter storm which moved across Nebraska produced areas of freezing drizzle along with snowfall ranging from 3-6 inches with up to 10 inches across parts of southwest Nebraska. Schools were closed Thursday and Friday. Track meets were postponed to a later date. Several vehicle accidents were reported but no injuries were involved.

**Custer County**  
**5 W Weissert** **19 1755CST** **0** **0** **Hail (0.75)**  
**Frontier County**  
**Eustis** **19 1850CST** **0** **0** **Hail (0.75)**  
**Frontier County**  
**Eustis** **19 1855CST** **0** **0** **Hail (1.50)**

## NEBRASKA, East

**Cuming County**  
**4 N Wisner** **05 1650CST** **0** **0** **Hail (1.50)**  
**NEZ011>012-016** **Knox - Cedar - Antelope**  
**06 0500CST** **0** **0** **High Wind (G54)**  
**06 1600CST**

A strong low pressure system moved northeast from the central plains through northern Minnesota and into eastern Canada. The tight pressure gradient between the low and a cold Canadian high pressure system which moved south into the plains behind the low generated very strong winds. Wind gusted over 60 mph over the area. Some trees were blown down and scattered power outages occurred.

**NEZ017>018-031>034-042>043-050-065-078-088** **Pierce - Wayne - Madison - Stanton - Cuming - Burt - Platte - Colfax - Butler - Seward - Saline - Jefferson**  
**06 0600CST** **0** **0** **High Wind (G54)**  
**06 1600CST**

A strong low pressure system moved northeast from the central plains through northern Minnesota to eastern Canada. The tight pressure gradient between the low and a cold Canadian high pressure system which moved south into the plains behind the low generated very strong winds. Winds gusted over 60 mph over the area. Some trees were blown down and scattered power outages occurred.

**NEZ044>045-051>053-066>068-089>093** **Dodge - Washington - Saunders - Douglas - Sarpy - Lancaster - Cass - Otoe - Gage - Johnson - Nemaha - Pawnee - Richardson**  
**06 0800CST** **0** **0** **High Wind (G54)**  
**06 1600CST**

A strong low pressure system moved northeast from the central plains through northern Minnesota to eastern Canada. The tight pressure gradient between the low and a cold Canadian high pressure system which moved south into the plains behind the low generated very strong winds. Winds gusted to 60 mph over the area. Some trees were blown down and scattered power outages occurred.

**NEZ011>012-016>018-030>033** **Knox - Cedar - Antelope - Pierce - Wayne - Boone - Madison - Stanton - Cuming**  
**09 1300CST** **0** **0** **Winter Storm**  
**10 1000CST**

Warm, moist air was lifted over top of an arctic frontal boundary which extended from southeast Colorado to northern Oklahoma. This combined with an upper level disturbance which moved through the central plains to generate widespread snow. Snowfall of 4 to 6 inches was common.

**NEZ015-034-044>045-052>053-066>068** **Thurston - Burt - Dodge - Washington - Douglas - Sarpy - Lancaster - Cass - Otoe**  
**09 1700CST** **0** **0** **Winter Storm**  
**10 1000CST**

Warm, moist air was lifted over top of an arctic frontal boundary which extended from southeast Colorado to northern Oklahoma. This combined with an upper level disturbance which moved through the central plains to generate widespread snow. Snowfall of 4 to 7 inches was common.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NEBRASKA, East

**NEZ078-088>093 Saline - Jefferson - Gage - Johnson - Nemaha - Pawnee - Richardson**  
**10 2100CST 0 0 Winter Storm**  
**12 0600CST**

Surface low pressure developed and strengthened over northern Texas then moved northeast through Missouri and into Illinois. This combined with a strong upper level low pressure trough which moved out of the Rockies and into the plains generated widespread snow across the region. As warm, moist air was forced to overrun cold arctic air over the area, snow developed during the late evening of April 10th with 4-6 inches of accumulation by 6am CST on April 11th. Snow was light for much of the morning and early afternoon. Heavy snow then increased again during the late afternoon and continued through much of the night as the main upper level system moved northeast from western Kansas through Nebraska. By morning April 12th, most of the area had experienced between 8 and 12 inches of snow from the system.

**NEZ012-015>018-030>034-042>045-050>053-065>068 Cedar - Thurston - Antelope - Pierce - Wayne - Boone - Madison - Stanton - Cuming - Burt - Platte - Colfax - Dodge - Washington - Butler - Saunders - Douglas - Sarpy - Seward - Lancaster - Cass - Otoe**

**11 0600CST 0 0 Winter Storm**  
**12 0600CST**

Surface low pressure developed and strengthened over northern Texas then moved northeast through Missouri and into Illinois. This combined with a strong upper level low pressure trough which moved out of the Rockies and into the plains generated widespread snow across the region. Snow fell particularly heavy from mid morning through mid afternoon April 11th over southern Boone...northern Platte... southeast Madison...Stanton...northern Colfax...Cuming...southern Thurston and northern Burt counties. Snow then decreased during the late afternoon hours, then increased by early evening and continued through much of the night as the main upper level system moved northeast from western Kansas through Nebraska. By morning April 12th, most of the area had experienced 5 to 9 inches of snow from the system.

**Madison County 4 SW Norfolk 21 1557CST 0 0 Funnel Cloud**

**Madison County Norfolk 21 1600CST 0 0 Funnel Cloud**

**NEZ045-052>053-067>068-091-093 Washington - Douglas - Sarpy - Cass - Otoe - Nemaha - Richardson**

**02 1200CST 0 0 Flood**  
**30 2359CST**

Flooding on the Missouri River was the result of snowmelt runoff from the James, Vermillion, Big and Little Sioux, and Floyd rivers in South Dakota and northwest Iowa. In addition, record high releases from Gavins Point Dam added to the flooding. Lowland flooding of agricultural bottomlands, boat marinas, and some local parks was common along the river east of Blair and points further south.

## NEBRASKA, Extreme Northeast

**NEZ013>014 Dixon - Dakota 06 0800CST 0 0 High Wind (G55)**  
**1700CST**

High winds gusting over 60 mph tore off shingles and caused areas of tree damage.

## NEBRASKA, Extreme Southwest

**NEZ079>081 Dundy - Hitchcock - Red Willow 09 0600CST 0 0 Extreme Cold**  
**13 0700CST**

Record cold with low temperatures in the single digits and highs below freezing was accompanied by freezing drizzle and light snow. It was the coldest for so late in the season. Schools were closed for 1 to 2 days. Many vehicle accidents occurred.

## NEBRASKA, South Central

**NEZ039>041-046>049-060>064-072>077-082>087 Valley - Greeley - Nance - Sherman - Howard - Merrick - Polk - Dawson - Buffalo - Hall - Hamilton - York - Gosper - Phelps - Kearney - Adams - Clay - Fillmore - Furnas - Harlan - Franklin - Webster - Nuckolls - Thayer**

**10 0000CST 0 0 0 0 Winter Storm**  
**12 0400CST**

An early April winter storm dumped several inches of snow across Central and South Central Nebraska. Amounts across the area generally ranged from 6 to 10 inches of snow. Aurora took top honors with 14 inches of new snow.

At the height of the storm, near white-out conditions causing poor visibility teamed with treacherous road conditions to close a portion of Interstate 80. Numerous accidents resulted from the poor driving conditions as 3 to 4 feet drifts were common. Most schools and several businesses were closed the morning of April 12.

Despite the cold and wintry weather, the snow provided much needed and widespread moisture to region.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NEBRASKA, South Central

### NEBRASKA, West

#### **Kimball County**

Pine Bluffs Wyoming	04	1545MST 1548MST	1	50	0	0	0	0	0	Tornado (F1)
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A tornado briefly touched down in extreme northwestern Kimball County in the Nebraska panhandle. The tornado was confirmed by the police department in Pine Bluffs, Wyoming. The tornado occurred in open country.

**NEZ001>003-019>021-054>055** **Sioux - Dawes - Box Butte - Scotts Bluff - Banner - Morrill - Kimball - Cheyenne**

04	1700MST				0	0	5M		Blizzard
06	1200MST								

Strong winds combined with snow amounts of generally 8 to 12 inches to create widespread blizzard conditions in the Nebraska panhandle. Closed and impassable roads became the norm from the evening of April 4 through April 6 due to blowing and drifting snow. Many automobile accidents occurred as a result of the treacherous conditions, and many power lines were downed due to the weight of snow. Many livestock were killed by the snow and accompanying cold temperatures because the storm occurred in the calving season. The highest snow amount was 12 inches in the Wildcat Hills region of Banner County, and the strongest wind recorded was 68 MPH at Sidney at 900 PM April 5.

**NEZ001-003-019>021-054>055** **Sioux - Box Butte - Scotts Bluff - Banner - Morrill - Kimball - Cheyenne**

09	2200MST				0	0			Heavy Snow
10	1100MST								

Heavy snow fell over central and southern portions of the Panhandle. Accumulations of 7 to 9 inches were widespread. A localized band of heavier snow remained nearly stationary across Banner County and western Morrill County which resulted in accumulations of 10 inches at Harrisburg and Bayard.

### NEVADA, North

NONE REPORTED.

### NEVADA, South

#### **NVZ021**

#### **Lake Mead/Lake Mohave National Recreation Area**

04	1918PST				0	0			High Wind (G50)
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Strong south winds occurred along the Colorado River Valley in advance of a cold front. Repeated gusts exceeding 50 mph were measured by automated sensors with a peak gust of 58 mph reported at Hemenway Launch on Lake Mead.

#### **NVZ020**

#### **Las Vegas Valley**

23	1400PST 1615PST				0	0	50K		High Wind
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Strong northwest winds behind a vigorous cold front swept across southern Nevada producing gusts exceeding 50 mph. Damage resulted in the Las Vegas Valley with reports of a roof ripped off an apartment complex and a large tent blown down at a golf tournament.

### NEVADA, West

#### **NVZ003**

#### **Greater Reno/Carson City/Minden Area**

19	1249PST 1250PST				0	0			High Wind (G54)
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A weather spotter in Gardnerville reported a wind gust of 54 kts.

#### **Douglas County**

#### **Gardnerville**

21	1300PST 1305PST				0	0			Other
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A dust devil was reported in the Gardnerville area Monday afternoon. It lifted a 3 year old child a half foot off the ground and knocked over a swing set.

#### **NVZ003**

#### **Greater Reno/Carson City/Minden Area**

08	2000PST				0	0			Heavy Snow
09	0300PST								

4 inches of snow fell at Cold Springs. Also, 8 inches of snow fell at Palomino Valley (north of Spanish Springs). The snow accumulated in about a 7 hour period.

### NEW HAMPSHIRE, North and Central

#### **NHZ005-009>010-013>014**

#### **Southern Grafton - Belknap - Strafford - Interior Rockingham - Coastal Rockingham**

01	0000EST 0500EST				0	0			Winter Storm
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A deep low pressure system moving slowly eastward from New Jersey brought high winds and snow to southern and central

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NEW HAMPSHIRE, North and Central

sections of the state. Snowfall accumulations ranged from 15 inches in southern Merrimack and western Rockingham Counties to 8 inches along the coast, with 2 to 6 inches in central areas and 2 inches or less in the north. The storm started on March 31 and continued into the morning of April 1.

### **Carroll County Countywide**

	<b>18</b>	<b>1900EST</b>							
	<b>20</b>	<b>0500EST</b>		<b>0</b>	<b>0</b>				<b>Flood</b>

### **Grafton County Countywide**

	<b>18</b>	<b>1900EST</b>							
	<b>20</b>	<b>0500EST</b>		<b>0</b>	<b>0</b>				<b>Flood</b>

### **Strafford County Countywide**

	<b>18</b>	<b>1900EST</b>							
	<b>20</b>	<b>0500EST</b>		<b>0</b>	<b>0</b>				<b>Flood</b>

Three to five inches of rain in 8 to 12 hours caused small rivers and streams to rise rapidly. Many roads were closed due to washouts and water over roadways, particularly near Somersworth and Rochester in Strafford County, Tamworth and Wolfeboro in southern Carrol County, and near Canaan in Grafton County. Some homes were evacuated.

## NEW HAMPSHIRE, Southern

### **NHZ011>012**

#### **Cheshire - Hillsborough**

	<b>01</b>	<b>0000EST</b>							
		<b>1000EST</b>		<b>0</b>	<b>0</b>				<b>Heavy Snow</b>

A low pressure system which formed off the New Jersey coast during the early morning hours of March 31st intensified rapidly as it moved to a position 60 miles south of Newport, Rhode Island. This system retreated to the south during the early morning hours of April 1st, pulling in cold air from the north. The center then moved slowly eastward. Heavy snow and strong winds produced near blizzard conditions during the early morning hours of April 1st. Heavy snow generally accumulated between 12 and 20 inches across the area. An isolated maximum amount of 26 inches was reported from Wilton. Some other totals included: Francestown, 20 inches; Weare, 19.6 inches; Nashua, 15 inches; Manchester, 14 inches; and Keene, 12 inches. Travel was very difficult during the storm, but road conditions improved rapidly after snow ended by late morning. Power outages affected only about 6,000 electric customers statewide in New Hampshire.

### **NHZ012**

#### **Hillsborough**

	<b>20</b>	<b>0700EST</b>							
		<b>2200EST</b>		<b>0</b>	<b>0</b>				<b>Flood</b>

Minor flooding occurred along the Merrimack River. The River reached flood stage of 11 feet at Goffs Falls at 8 AM on the 20th, reached a crest of 11.3 feet during the afternoon at 4 PM, then receded below flood stage at 11 PM that evening.

## NEW JERSEY, Northeast

### **NJZ011**

#### **Union**

	<b>01</b>	<b>0700EST</b>							
				<b>0</b>	<b>0</b>				<b>Winter Storm</b>

An intense low pressure system developed off the DELMARVA Coast during Monday morning. It moved slowly east-northeast, passing south of Long Island Monday afternoon and southeast of Cape Cod, MA during Tuesday morning, April 1st.

Heavy rain developed Monday morning. It changed to heavy wet snow by Monday night. By 7 am on April 1st, 6 inches of wet snow accumulated at both Berkeley Heights and Mountainside in Union County.

This coastal storm also brought heavy rain and strong gusty winds to the area. Rainfall amounts ranged from 1.04 inches at Canoe Brook to 1.91 inches at New Providence. Winds gusted above 40 mph.

## NEW JERSEY, South and Northwest

### **NJZ001-007>010-012>026**

#### **Sussex - Warren - Morris - Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Salem - Gloucester - Camden - Burlington - Western Ocean - Cumberland - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean**

	<b>09</b>	<b>0100EST</b>							
	<b>11</b>	<b>0800EST</b>		<b>0</b>	<b>0</b>				<b>Unseasonably Cold</b>

An unseasonably cold air mass from Canada moved across New Jersey from April 9th through the 11th. A cold front moved through the region during the night of the 8th and ushered in this unseasonably cold air mass. The high pressure system at the center of it reached the Great Lakes the morning of the 10th and the Middle Atlantic Coast the morning of the 11th. Southwest winds around this high then modified the air mass and returned temperatures closer to seasonal levels. Low temperatures those three mornings were below the freezing mark in most areas. Unseasonably warm weather for most of late February and March preceding this cold spell had plants blooming ahead of schedule and some of the vegetation susceptible to the cold was damaged. But, temperatures were not cold enough to severely damage the peach and apple orchards. A new record low of 26F was set the morning of the 11th at the Atlantic City International Airport in Pomona. But for most places, the coldest morning was the 10th.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NEW JERSEY, South and Northwest

The lowest temperatures included 23F at the Atlantic City International Airport in Pomona (not a record) on the 10th and in Wertsville (Hunterdon County) on the 11th, 24F in Brick (Ocean County) on the 10th, 26F in New Brunswick (Middlesex County), Phillipsburg (Warren County) and Trenton (Mercer County) on the 10th, 27F in Somerville (Somerset County) on the 10th and Millville (Cumberland County) on the 11th, 28F in Somerdale (Camden County) on the 11th and Mount Holly (Burlington County) on the 10th, and 30F at the Marina in Atlantic City on the 10th.

**NJZ001-007>010-012-015>019-021>023**    **Sussex - Warren - Morris - Hunterdon - Somerset - Middlesex - Mercer - Salem - Gloucester - Camden - Burlington - Cumberland - Western Atlantic - Western Cape May**

01	0000EST 1900EST	0	0	0	Wind
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**NJZ001-007>010-015>019-021>022**    **Sussex - Warren - Morris - Hunterdon - Somerset - Mercer - Salem - Gloucester - Camden - Burlington - Cumberland - Western Atlantic**

01	0000EST 0600EST	0	0	Heavy Snow
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**NJZ012-014**    **Middlesex - Eastern Monmouth**

01	0000EST 0600EST	0	0	Snow
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**NJZ013>014-020-024>026**    **Western Monmouth - Eastern Monmouth - Western Ocean - Eastern Cape May - Eastern Atlantic - Eastern Ocean**

01	0000EST 1900EST	0	0	0	High Wind (G62)
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A late season snowstorm dropped some of the heaviest snow of all winter across New Jersey from the morning of March 31st into the morning of April 1st. The low pressure system responsible for this looked rather innocuous on March 30th as it moved with its associated cold front through the Midwest. Temperatures that day (Easter Sunday) warmed into the 50s and 60s across the area. But as the low intensified off the New Jersey Coast on the 31st, it pulled down colder air. The heavy precipitation it created also cooled the atmosphere and changed the rain over to snow. The rain changed to snow close to dawn across extreme Northwest New Jersey. The changeover progressed southeast reaching the rest of Northwest New Jersey around 9 a.m. EST and the Greater Philadelphia Metropolitan Area close to noon EST. Bands of heavier snow moved through the Middle Atlantic States and caused wide variations in accumulations that were both location (underneath these bands) and elevation dependent. A pocket of warm air associated with the low pressure system itself kept precipitation as rain longer across East Central New Jersey and held accumulations down.

Sussex and Warren Counties along with the northwest part of Morris County were hit the hardest. A limited state of emergency was declared in Sussex County. Shelters were opened in 12 municipalities. Vernon Township within Sussex County declared a state of emergency that banned all driving. The combination of heavy wet snow, up to around two feet in some areas, and strong winds produced numerous power outages. GPU reported 75,000 homes lost power in Morris, Sussex and Warren Counties with the majority in Sussex County. Full power was not restored in all areas until April 3rd. Trees were described as being "down all over the place". Downed trees also closed most of the major roadways in Sussex County including New Jersey State Routes 15 and 23 (closed through April 1st) and County Roads 515 and 517. Accumulations in Sussex and Warren Counties included 26 inches at High Point, 22 inches in Wantage, 19 inches in Sussex, 18 inches in Hackettstown, 17 inches in Sparta, 15 inches in Montague and 14 inches in Washington.

In Morris County, the differences of location and elevation came to play with this storm. Only 2 inches of snow accumulated in Morristown in the southeast part of the county, while 24 inches accumulated in Jefferson Township at the northwest end of the county. During the storm U.S. Route 46 was described as a parking lot. Heavy wet snow downed trees and at least damaged one home within Kinnelon Borough. Strong gusty winds and the heavy wet snow continued to cause problems on April 1st even after the snow ended as downed trees closed U.S. Route 46 and New Jersey State Route 24 for several hours. Other accumulations within the county included 15 inches in Long Valley, Mount Arlington and Mount Olive and 14 inches in Rockaway.

In West Central New Jersey, accumulations were generally less. But several bands of heavier snow brought season high accumulations to sections of Hunterdon, Somerset, Mercer and Burlington Counties. While there were less road closures, the combination of wind and heavy wet snow did cause an additional 34,000 homes and businesses within Public Service Electric and Gas's service area to lose power. About 25,000 of the outages were centered in Princeton and nearby communities. All power was restored by the evening of the 1st. In Princeton Township, about two dozen downed trees forced the closure of 10 roadways. In Princeton Borough, one tree fell and crushed a porch. There were about twenty reports of downed trees and limbs that forced three road closures. In Somerset County, Bernardsville was hit the hardest with up to 30 trees down that forced 6 road closures. Accumulations included 18 inches in Califon (Hunterdon County), 10 inches in Willingboro (Burlington County), 9 inches in Pottersville (Somerset County), 8 inches in Wertsville (Hunterdon County), Somerville (Somerset County) and Mercerville (Mercer County) and 6 inches in Mount Holly (Burlington County).

In the rest of the state, accumulations were less as more precipitation fell as rain. They averaged around 5 inches in Camden, Gloucester and Salem Counties, ranged between 3 and 6 inches in Western Atlantic and Cumberland Counties, and averaged around 3 inches in Middlesex, Monmouth and Western Ocean Counties. Little if any snow accumulated from Coastal Ocean County

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NEW JERSEY, South and Northwest

southward. But, wind gusts were stronger near the New Jersey Shore and power outages due to downed trees increased again. Downed trees and limbs caused power outages in Monmouth and Ocean Counties in Howell Township, Lacey Township, Lakewood Township, Millstone Township, Tinton Falls and Wall Township. Peak wind gusts included 71 mph in Harvey Cedars (Ocean County), 64 mph in North Wildwood (Cape May County), 60 mph in Seaside Park (Ocean County) and 58 mph aboard the Cape May/Lewes Ferry. The strong winds forced a reduction in the number of departures by the ferry across Delaware Bay.

## NEW MEXICO, Central and North

<b>Roosevelt County</b> 10 N Milnesand	22	1600MST 1601MST			0	0			Hail (0.88)
<b>Quay County</b> Ragland	02	1720MST 1721MST			0	0			Hail (0.75)
<b>Quay County</b> 4 S Tucumcari	02	1812MST 1815MST			0	0			Hail (0.75)
<b>Quay County</b> 1 W Tucumcari	02	1756MST 1757MST			0	0			Hail (1.00)
<b>San Miguel County</b> Conchas Dam	02	1842MST			0	0			Hail (0.75)
<b>Guadalupe County</b> Newkirk	02	2017MST 2018MST			0	0			Hail (0.75)
<b>Socorro County</b> Alamo	23	1615MST			0	0			Hail (1.75)
<b>Socorro County</b> La Joya	23	1709MST			0	0			Hail (1.00)
<b>Socorro County</b> Claunch	23	1815MST			0	0			Hail (1.00)
<b>Bernalillo County</b> Albuquerque Intl Arp	23	1821MST 1824MST			0	0			Hail (0.75)
<b>Bernalillo County</b> 8 E Albuquerque	23	1830MST			0	0			Hail (0.75)
<b>Bernalillo County</b> 5 E Tijeras	23	1840MST 1910MST			0	0			Hail (0.75)
<b>Guadalupe County</b> Pintada	23	1900MST			0	0			Hail (0.75)
<b>Santa Fe County</b> Stanley	23	1950MST			0	0			Thunderstorm Wind (G57)
Pea size hail reached 2 inches deep in Stanley with gusts estimated at 66 mph.									
<b>Torrance County</b> 8 NNW Encino	23	1900MST			0	0			Hail (0.75)
<b>Guadalupe County</b> Pastura	23	2140MST			0	0			Hail (1.00)
<b>Guadalupe County</b> Pintada	23	2100MST			0	0			Hail (0.75)
<b>NMZ008&gt;009</b>	<b>Westcentral Mountains - Middle Rio Grande Valley</b>								
	02	1300MST			0	0	70K		High Wind (G56)
	03	0800MST							

High winds developed across central and western New Mexico as an upper level trough deepened over the Great Basin region. Gusts averaged 35 to 40 mph throughout the afternoon of the 2nd causing roof and vehicle damage in Gallup. Stronger east winds of 50 to 65 mph developed below the canyons of the central mountains into Albuquerque and Belen. Several homes and business suffered considerable roof damage in Los Chavez located in Valencia county between Los Lunas and Belen.



# Storm Data and Unusual Weather Phenomena

April 1997

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

**NEW MEXICO, Central and North**

**NMZ002-004-008-010 Northwest Mountains Including Jemez - Sangre De Cristo Mountains - Westcentral Mountains - Sandia/Manzano Mountains**

04	0600MST			0	0				<b>Heavy Snow</b>
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Areas of heavy snow developed across the north central mountains and western plateau. Twelve inches of fresh snow was reported on Sandia Peak east of Albuquerque. Six inches of snow fell at Santa Fe Ski Basin and also at the Torreon Navajo Mission.

**NMZ004>005 Sangre De Cristo Mountains - Northeast Highlands**

10	1000MST			0	0				<b>Heavy Snow</b>
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Four to six inches of snow fell in short periods of time along the east slopes of the Sangre de Cristo mountains from Raton to Angel Fire.

**NMZ005-009>011 Northeast Highlands - Middle Rio Grande Valley - Sandia/Manzano Mountains - Central High Plains/Estancia Valley County**

11	1500MST			0	0				<b>Heavy Snow</b>
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Heavy snows developed over the middle Rio Grande Valley and spread northward over the Sandia and Manzano mountains to the east slope of the Sangre de Cristo mountains. Sudden amounts of 3 to 4 inches along Interstate Highway 25 north of Socorro caused white-out conditions. The Albuquerque foothills and nearby East Mountain area reported 5 to 6 inches. Traffic on Interstate 40 was delayed by 10 inches of snow at Clines Corner. Twelve inches was reported at Cimarron in Colfax county.

**NMZ002-004>006-008>013-016>018-021 Northwest Mountains Including Jemez - Sangre De Cristo Mountains - Northeast Highlands - Harding - Westcentral Mountains - Middle Rio Grande Valley - Sandia/Manzano Mountains - Central High Plains/Estancia Valley County - Conchas Lake/Guadalupe - Quay - Lincoln County High Plains/Hondo Valley - Capitan/Northern Sacramento Mountains - De Baca - Curry**

24	2200MST			0	0	1.5M	1.3M		<b>Winter Storm</b>
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**NMZ009 Middle Rio Grande Valley**

25	0722MST			0	0	<b>60K</b>			<b>High Wind (G64)</b>
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An intense upper level system fed by tropical moisture triggered a late season winter storm that covered the northern half of New Mexico with heavy snow and produced near blizzard conditions across the east central section of the state which suffered from widespread power outages and some heavy losses to sheep and cattle.

High winds sweeping east to west over the Sandia mountains caused nearly 3 hours of 60 to 80 mph winds into eastern Albuquerque where damage was limited mainly to signs, wood fences and small trees. Only minor roof damage was reported except for heavier damage at one elementary school.

Rain changed to heavy wet snow during the night in the east. By early morning nearly 600 power poles and line sections toppled under the weight of ice buildups or sagging tree limbs. Power outages which in some cases took nearly a week to repair extended from Tucumcari southwest across Guadalupe and De Baca counties. Damage to utilities was estimated at nearly 1.5 million dollars.

The snow and cold combined with strong gusts of 35 to 50 mph to produce heavy losses of sheep and some cattle. The three county area of De Baca, Guadalupe and Torrance counties sustained losses over 1 million dollars as several freshly shorn sheep herds were decimated as animals died from exposure in near blizzard conditions. One ranch in eastern Torrance county lost 1300 sheep from a herd of 1700. Sheep losses totalled over 5000 animals. Economic losses of sheep do not include the loss of over 4000 unborn lambs. Cattle losses were much less severe and limited primarily to either young or weak stock. One ranch near Las Vegas lost over 200 stocker animals that had just arrived from south Texas.

Snow amounts averaged 10 to 12 inches from Tucumcari east to the Sandia Mountains. Winds created drifts of 6 to 8 feet which paralyzed travel and closed most roads between Tucumcari, Roswell and Albuquerque. Heaviest snow amounts reached 15 to 20 inches in the Sandia mountains northward into the Sangre de Cristo mountains.

**NMZ020 Roosevelt**

22	0000MST			0	0	<b>30K</b>			<b>High Wind (G52)</b>
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A southward accelerating cold front produced gusts of near 60 mph in Portales which tipped over several trailers.

**San Miguel County**

Conchas Dam	02	1550MST			0	0			<b>Hail (0.75)</b>
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**Roosevelt County**

5 W Pep	23	1445MST			0	0			<b>Hail (1.50)</b>
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**Roosevelt County**

10 N Milnesand	23	1500MST			0	0			<b>Hail (0.88)</b>
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**Roosevelt County**

7 NE Milnesand	23	1500MST			0	0			<b>Hail (0.75)</b>
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# Storm Data and Unusual Weather Phenomena

April 1997

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

## NEW MEXICO, Central and North

<b>Torrance County</b> 5 W Moriarty	24	1845MST			0	0			Hail (0.75)
<b>NMZ002</b> Northwest Mountains Including Jemez	21	1351MST			0	0			High Wind (G53)

Gusts to 62 mph reported at Los Alamos.

## NEW MEXICO, South Central and Southwest

<b>NMZ023</b> Sierra County Lakes Region	10	0800MST 1800MST			0	0			High Wind (G41)
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Strong, synoptic scale westerly winds and full sunshine, produced what was described as a very strong dustdevil just south of Truth or Consequences near the community of Las Palomas. The dustdevil circulation was apparently augmented by turbulence which was produced as the surface winds dropped into the relatively narrow valley from the west. A portion of a mobile home roof was ripped off which then shattered windows in a nearby motor home when it landed.

## NEW MEXICO, Southeast

<b>Lea County</b> 16 E Crossroads	22	1620MST			0	0			Hail (0.75)
<b>Lea County</b> Tatum	24	1345MST			0	0			Hail (1.75)
<b>Lea County</b> Tatum	24	1420MST			0	0			Hail (0.88)

Nickel size hail covered the ground.

<b>Lea County</b> 8 SSE Jal	24	2125MST			0	0			Hail (0.88)
<b>Lea County</b> 5 S Hobbs	24	2145MST 2215MST			0	0			Hail (0.88)

## NEW YORK, Central

<b>NYZ009-036&gt;037-044&gt;046-056&gt;057-062</b> Northern Oneida - Madison - Southern Oneida - Cortland - Chenango - Otsego - Broome - Delaware - Sullivan	01	0000EST 0400EST			0	0			Heavy Snow
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The major late season snowstorm that struck portions of central New York on the 31st of March began to wind down during the pre-dawn hours of April 1st. By sunrise on the 1st, much of the accumulating snowfall had moved out of the region. This left total accumulations ranging from a foot to upwards of 30 inches in an area from the Catskills northward to the Mohawk Valley.

It took road crews and power companies much of the day to move stranded vehicles, clear major roadways, and restore electricity to the hardest hit localities.

<b>NYZ057-062</b> Delaware - Sullivan	01	0400EST 1400EST			0	0	30K		High Wind
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The powerful low pressure system that dumped very heavy snow on sections of central and eastern New York also produced strong gusty winds during the day on the 1st. Across much of the western Catskills, gusts of 50 to 60 mph were common in the late morning and midday hours.

Numerous large trees were blown down in Sullivan and Delaware counties. In Sullivan county, several road closures from felled trees and branches resulted, particularly in the Ponds Eddy area. Also, thousands of customers remained without power most of the day.

## NEW YORK, Coastal

NONE REPORTED.

## NEW YORK, East

<b>NYZ047&gt;048-051-054-058-061-066</b> Schoharie - Western Schenectady - Western Albany - Eastern Rensselaer - Western Greene - Eastern Columbia - Eastern Dutchess	18 19	0500EST 0800EST			0	0	40K		Heavy Snow
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On April 18 and 19, a low pressure system deepened rapidly off the coast of Long Island. This late season winter storm dumped heavy snow across the higher elevations of the Catskills and Taconics. In valley locations the precipitation fell mainly as rain. The heavy wet snow downed several trees which resulted in isolated power outages. At Cobleskill in Schoharie County, 600 customers

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NEW YORK, East

lost power when tree limbs downed a power line. Some specific snowfall totals included: 10 inches at Berne in Albany County, 11 inches at Stormville in Dutchess County, 10 inches at Windham and 17 inches at East Jewitt in Greene County, 9 inches at Cobleskill in Schoharie County and 9 inches at Berlin in Rensselaer County. In Columbia County along the Taconics, snowfall totals ranged from 6 to 12 inches.

**NYZ038-040>041-047>054-058>061-063-065>066**

**Southern Herkimer - Montgomery - Northern Saratoga - Schoharie - Western Schenectady - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer - Eastern Rensselaer - Western Greene - Eastern Greene - Western Columbia - Eastern Columbia - Western Ulster - Western Dutchess - Eastern Dutchess**

01	0000EST 0600EST	0	0		Winter Storm
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On March 31 and April 1, a classic late season nor'easter tracked from the Chesapeake Bay area northeast to central coastal New Jersey then slowly out to sea. This system produced rain across much of eastern New York during the morning hours of March 31. The rain changed to heavy wet snow by early afternoon. Heavy snow fell over eastern New York from the Mohawk Valley southward. Snowfall amounts were highly elevation dependent. Snowfall exceeded 2 feet in many mountain locations. Some specific snowfall totals included: 15 inches at the Albany Airport, 26 inches at Berne in Albany County, 9 inches at Rotterdam in Schenectady County, 11 inches at Poestenkill in Rensselaer County, 10 inches at Saratoga Springs in Saratoga County, 28 inches at Gilboa in Schoharie County, 11 inches at Copake in Columbia County, 37 inches at East Jewett in Greene County, 20 inches at Stormville in Dutchess County and 23 inches at Slide Mountain in Ulster County. At Phoenicia in the Hudson Valley in Ulster County, only one inch of snow fell! The wet snow brought down many trees and power lines causing widespread power outages and many road closures. Power outages were most widespread in Greene, Dutchess and Ulster Counties. Many areas remained without power for several days. A State of Emergency was declared in Greene, Schoharie and Dutchess Counties. In Greene County 30,000 customers lost power. In northern Dutchess County, 12 transmission lines, 50 utility poles and 12 substations were affected by the storm. Approximately 30,000 customers lost power in the northern part of the county. Many roads across Dutchess County were blocked by fallen trees. In the Capital District, 50,000 customers lost power. See the March 1997 Storm Data report for damage amounts.

## NEW YORK, North

**NYZ026>031-034>035**

**Northern St. Lawrence - Northern Franklin - Northeast Clinton - Southern St. Lawrence - Southern Franklin - Southwest Clinton - Western Essex - Eastern Essex**

18	1000EST 2200EST	0	0	200K	Winter Storm
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A storm system intensified off the southern New England coast Thursday night (4/17/97) and Friday (4/18/97). The storm system slowly drifted east and out to sea Saturday (4/19/97).

Heavy wet snow fell across portions of the area. Topography and elevation played an important role in snowfall amounts. The greatest snowfall amounts were in the Adirondacks and portions of the Champlain Valley where 8 to 18 inches of snow fell and some power outages resulted. In the St Lawrence Valley generally 4 to 8 inches of snow fell.

The heaviest snowfall amounts were as follows:

Ellenburg Depot (Clinton County).....	18 inches
Keene Valley (Essex County).....	17 inches
Malone (Franklin County).....	12 inches
Edwards (St Lawrence County)..	8 inches
Massena (St Lawrence County)...	5 inches

## NEW YORK, West

NONE REPORTED.

## NORTH CAROLINA, Central

### **Wayne County**

<b>Goldsboro</b>	21	1535EST	0	0	<b>Hail (1.75)</b>
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GOLFBALL SIZE HAIL FELL AT THE INTERSECTION OF HIGHWAYS 70 AND 111, JUST EAST OF GOLDSBORO.

### **Sampson County**

<b>Garland</b>	21	1618EST	0	0	<b>Hail (1.00)</b>
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QUARTER SIZE HAIL FELL IN GARLAND.

### **Alamance County**

<b>Snow Camp</b>	21	2109EST	0	0	<b>Hail (1.00)</b>
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QUARTER SIZE HAIL FELL IN SNOW CAMP.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NORTH CAROLINA, Central

### **Chatham County**

<b>Pittsboro</b>	21	2130EST			0	0			Hail (1.00)
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QUARTER SIZE HAIL FELL IN PITTSBORO.

### **Orange County**

<b>Carrboro</b>	21	2125EST			0	0			Hail (0.75)
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### **Wake County**

<b>Cary, Raleigh, Apex</b>	21	2200EST			0	0			Hail (1.75)
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LARGE HAIL FELL IN A BROAD AREA THROUGH APEX, CARY, AND RALEIGH. REPORTS VARIED FROM DIME TO GOLFBALL SIZE. MANY OTHER COMMUNITIES IN THE COUNTY ALSO RECEIVED HAIL FROM THIS THUNDERSTORM.

### **Johnston County**

<b>Kenly</b>	21	2253EST			0	0			Hail (1.00)
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QUARTER SIZE HAIL FELL IN KENLY.

### **Randolph County**

<b>Randleman</b>	28	2120EST 2200EST			0	0			Flash Flood
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SEVERAL ROADS IN THE NORTHERN PORTION OF THE COUNTY WENT UNDERWATER. A RETAINING WALL IN RANDLEMAN COLLAPSED DUE TO HEAVY RUNOFF.

### **Guilford County**

<b>Se Ptn</b>	28	2120EST 2200EST			0	0			Flash Flood
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A BRIDGE WENT UNDERWATER IN THE SOUTHEAST PORTION OF THE COUNTY DUE TO HEAVY RUNOFF. HIGH WATER WAS ALSO NOTED ON SEVERAL SECONDARY ROADS.

### **Alamance County**

<b>Burlington</b>	28	2140EST 2230EST			0	0			Flash Flood
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MANY SECONDARY ROADS WERE FLOODED. CONSIDERABLE URBAN FLOODING WAS ALSO REPORTED IN BURLINGTON.

### **Durham County**

<b>Durham</b>	28	2235EST			0	0			Flash Flood
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HIGHWAY 54 WAS FLOODED AND CLOSED. A BASEMENT WAS FLOODED AND A CAR SUBMERGED BY RISING WATER.

### **Wake County**

<b>Raleigh</b>	28	2310EST			0	0			Flash Flood
	29	0015EST							

SEVERAL MAJOR THROUGHFARES OUT OF TOWN WERE FLOODED IN NORTH RALEIGH. WATER ALSO BRIEFLY SPILLED OVER THE BRIDGE ON HIGHWAY 401 ON THE NEUSE RIVER. AVENT FERRY ROAD IN THE SOUTHERN PART OF TOWN WAS ALSO BRIEFLY CLOSED.

### **Wilson County**

<b>5 N Wilson</b>	29	0030EST			0	0			Thunderstorm Wind (G50)
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MICROBURST BLEW DOWN SEVERAL TREES IN A RURAL NEIGHBORHOOD.

### **NCZ041**

<b>Wake</b>	01	1200EST 2200EST			1	1			High Wind (G50)
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A strong low pressure system exited North Carolina early on the 1st, followed by a strong gradient wind behind the associated surface cold front. Winds gusted to around 45 knots during the day and were sustained at 30 knots at times from the northwest during the afternoon. Several trees were blown down across the county. Many of the fallen trees had damaged root systems related to Hurricane Fran hitting the area in September 1996.

While planting azaleas in his front yard, a man was crushed by a pine tree that snapped off about 15 feet above the ground. He died at the hospital due to a broken neck and chest injuries. Another man was injured by a falling tree while working on a roof. About 10,000 customers lost electric service in the Raleigh area due to trees falling on power lines. M400U

## NORTH CAROLINA, Central Coastal

### **Craven County**

<b>5 E Havelock</b>	17	1510EST			0	0			Thunderstorm Wind
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Trees downed on power lines on Blandia Road near Adams Creek Road.

### **Pitt County**

<b>1 N Grimesland</b>	21	1523EST			0	0			Hail (0.75)
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# Storm Data and Unusual Weather Phenomena

April 1997

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

## NORTH CAROLINA, Central Coastal

<b>Duplin County</b> Beulaville	21	1530EST			0	0			Hail (0.50)
			Marble size hail covering the ground.						
<b>Onslow County</b> 3 W Richlands	21	1545EST			0	0			Hail (1.00)
<b>Onslow County</b> Deppe	21	1629EST			0	0			Hail (1.75)
<b>Craven County</b> 2 S New Bern to 1 S New Bern	21	1630EST			0	0			Hail (1.00)
<b>Onslow County</b> Deppe	21	1630EST 1633EST	2	100	0	0			Tornado (F0)
			NC Forestry reported tornado in Hoffman Forest.						
<b>Onslow County</b> Deppe	21	1631EST			0	0			Hail (2.75)
<b>Beaufort County</b> Bath	21	1644EST			0	0			Hail (0.75)
			Piles of hail covered the ground						
<b>Jones County</b> Maysville	21	1645EST			0	0			Funnel Cloud
			Law enforcement and rescue personnel spotted a funnel cloud over the village.						
<b>Jones County</b> Maysville	21	1652EST			0	0			Hail (1.75)
<b>Jones County</b> 5 E Maysville	21	1708EST			0	0			Hail (0.75)
			Catfish Lake Road						
<b>Craven County</b> New Bern	21	1810EST			0	0			Hail (1.00)
<b>Craven County</b> Bridgeton	21	1815EST			0	0			Hail (0.75)
<b>Duplin County</b> Beulaville	21	1826EST			0	0			Hail (0.50)
<b>Martin County</b> Jamesville	21	2122EST			0	0			Hail (0.75)
			Covered the ground.						

## NORTH CAROLINA, Extreme Southwest

<b>Cherokee County</b> Andrews	21	2015EST			0	0			Hail (0.75)
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## NORTH CAROLINA, North Coastal

NONE REPORTED.

## NORTH CAROLINA, Northwest and North Central

<b>Caswell County</b> Countywide	29	0043EST 0800EST			0	0			Flash Flood
			Flash flooding during the morning hours on the 29th resulted in the flooding and closing of several roads countywide.						
<b>NCZ019</b> <b>Wilkes</b>	09	0400EST 0830EST			0	0	100K		Extreme Cold
			Temperatures in the 20s during the morning hours on the 9th damaged peach and nectarine crops in mainly the western and northern portions of Wilkes County						
<b>NCZ019</b> <b>Wilkes</b>	10	0400EST 0830EST			0	0	100K		Extreme Cold
			Temperatures in the 20s during the morning hours on the 10th damaged peach and nectarine crops in mainly the western and northern portions of Wilkes County						

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>NORTH CAROLINA, South Coastal</u></b>									
<b>Pender County</b> Willard	21	1700EST 1702EST			0	0			Hail (0.75)
		REPORTED BY SKYWARN SPOTTER							
<b>Pender County</b> Watha	21	1720EST 1723EST			0	0			Hail (0.75)
		REPORTED BY SKYWARN SPOTTER							
<b>Bladen County</b> Duart	21	1700EST 1703EST			0	0			Hail (1.15)
		REPORTED BY LOCKMASTER AT WM O HUSKE LOCK AND DAM							
<b>Bladen County</b> Dublin	21	1710EST			0	0			Hail (0.75)
		REPORTED BY SHERIFF'S OFFICE							
<b>Robeson County</b> St Pauls	21	1740EST 1744EST			0	0			Hail (1.15)
		REPORTED BY SHERIFF'S OFFICE							
<b>Brunswick County</b> Shalotte to Southport	22	2315EST 2324EST			0	0	20K		Tstm Wind/Hail
		THUNDERSTORM WIND GUST TO 60 KNOTS DID MAJOR ROOF DAMAGE TO FOUR HOMES ON OCEAN ISLE BEACH, 4 MILES SOUTH OF SHALLOTTE. ONE INCH HAIL WAS REPORTED AT OCEAN ISLE BEACH AND .75 INCH HAIL WAS REPORTED AT THE NUCLEAR POWER PLANT 3 MILES NORTH OF SOUTHPORT							
<b>New Hanover County</b> Carolina Beach	22	2321EST 2329EST			0	0			Hail (0.88)
		HAIL REPORTS INCLUDE .75 INCH 1.5 MILES WEST OF MONKEY JUNCTION AND .88 INCH AT CAROLINA BEACH							
<b><u>NORTH CAROLINA, Southwest</u></b>									
<b>NCZ033&gt;037-048&gt;059-062&gt;072-082</b>		<b>Avery - Caldwell - Alexander - Iredell - Davie - Madison - Yancey - Mitchell - Swain - Haywood - Buncombe - Mcdowell - Burke - Catawba - Rowan - Graham - Northern Jackson - Macon - Southern Jackson - Transylvania - Henderson - Polk - Rutherford - Cleveland - Lincoln - Gaston - Mecklenburg - Cabarrus - Union</b>							
	01	0000EST			0	0			Cold
	18	0000EST							
		Several cold snaps following the relatively warm late winter caused temperatures to dip well into the 20s at times yielding substantial damage to the apple crop and perhaps other crops.							
<b>NCZ033</b>		<b>Avery</b>							
	18	0000EST 0800EST			0	0			Snow
		Snow accumulated to 1 1/2 inches at Beech Mountain.							
<b>Davie County</b> 10 NE Mocksville	21	1928EST 1938EST			0	0			Hail (0.75)
		A marginally severe storm produced large hail.							
<b>Union County</b> 7 N Monroe to 10 E Monroe	28	0300EST 0900EST			0	0			Flood
		Overnight rain gradually flooded about 10 roads.							
<b>Lincoln County</b> Iron Station to Lincolnton	28	1840EST 2300EST			0	0			Flash Flood
<b>Iredell County</b> Statesville to Mooresville	28 29	1900EST 0000EST			0	0			Flash Flood
<b>Gaston County</b> Dallas to Belmont	28 29	2000EST 1700EST			0	0			Flood
		Four to 6.5 inches of rain fell in about 4 hours over a small part of the piedmont causing a significant flood episode. Water entered homes and virtually every stream in Iredell county was reported to have flooded. Flooding persisted for many hours in parts of							

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NORTH CAROLINA, Southwest

Gaston county. Sheep were drowned, a small earthen dam broke, mobile home parks were threatened, vehicles were flooded out and damaged, and other significant property damage occurred. No dollar amounts were available.

## NORTH DAKOTA, Central and West

**NDZ003**

**Renville**

**04 1800CST**  
**07 0400CST**

**0 0**

**Blizzard**

Warm weather the first 3 days of April lead much of North Dakota to believe that spring had arrived with temperatures in the 60s and 70s. Mother Nature had other plans. A very strong area of low pressure moved out of the Colorado area into the northern plains. Warm moist air ahead of the low collided with cold air coming down from Canada. The result was the worst blizzard of the season for North Dakota, bringing much of the state to a complete halt. The precipitation began to fall during the afternoon of the 4th(Fri), as rain in the east and freezing rain or sleet in the west. By Friday evening the freezing rain and sleet had changed over to all snow in the west. By Saturday afternoon the heavy snow moved into the central part of the state, reaching the eastern part of North Dakota later that night. Snow accumulations were on average 1.5 to 2 inches an hour with 50-60 mph winds as well. The blizzard ended in the west on the morning of the 6th(Sun), but continued into the evening across the east. Some snow amounts include 16 inches at Jamestown and New Salem, 17 at Bismarck and Center, 18 at Dickinson and Washburn, 20 at Hebron, Carson and New England, 22.5 at Mott and 24 inches at Bowman. The additional snow at Bismarck brought the season snowfall total to 101.4 inches, which set an all time record. The old record was 91.8 inches. In Jamestown, they received 1.62 inches of rain before changing over to snow. After the devastating January blizzards, this was the storm that may have broke the back of many of the state's ranchers. An estimated 100,000 head of cattle(10% of the state's heard) was lost, with a large percentage of that being calves and yearlings. Estimated dollar loss is well over 5 million dollars. An estimated 21.5 million dollars worth of damage was done to farm buildings that collapsed under the weight of the heavy snow. Because of the closed roads, an estimated 200,000 pounds of milk had to be dumped when the trucks couldn't make it to pick up the milk. The dairy company that was supposed to pick up the milk also suffered damages. The roof collapsed under the heavy load, killing 40 dairy cows and injuring 45 others. Many power poles fell from the weight of the ice and snow combined with the strong winds. Its estimated that over 3000 wooden poles had to be replaced, with one power company reporting about 100 steel towers damaged or destroyed with over 200 miles of transmission line down. An estimated 75,000 homes were without power for sometime over the weekend, with a few houses having to wait 4-5 days before power was fully restored. The state's electrical grid was in such patch work condition that the governor requested that people conserve as much energy as possible for fear of overtaxing the system and creating a widespread brownout. On a 22 mile stretch in Stutsman Co, there were 67 power poles that were destroyed. National Guard helicopters were used to help power companies assess the damage done to power poles and lines. With the widespread power outages, many people had to resort to burning wood or running gas powered generators to keep their homes warm. This lead to a few reports of carbon monoxide poisoning. A 46 yr old man died in LaMoure Co. after becoming overcome with carbon monoxide fumes in his shop. Numerous vehicles were stranded in and out of towns, as well as people. A coal mine crew in Mercer county was stranded in their dragline. Drifts as high as 15 feet were common. I-94, I-29 and all other major highways in the state were closed for the weekend. In Oliver Co, it took 13 hours to open up a 5 mile stretch of road. In Kidder Co, a dramatic rescue took place to save the life of a farmer that had a heart attack. With all major roads drifted shut to the farmhouse, neighbors and county crews pitched in to save the mans life. County plows were able to get within 5 miles of the farmhouse, but couldn't go any farther. Neighbors with 4x4 tractors then pulled the ambulance and road plows through the snow to get to the farmyard. It took 10 hours to reach the man, and luckily he is still alive. A 64 yr old Kintyre(Emmons Co) man didn't fare so well. He also had a heart attack, but because of the closed roads and zero visibility, the rescue crews couldn't reach him in time.

**NDZ003>005-010>013-017>023-025-031>037-040>048-050>051** **Renville - Bottineau - Rolette - Mountrail - Ward - Mchenry - Pierce - Mckenzie - Dunn - Mercer - Oliver - Mclean - Sheridan - Wells - Foster - Golden Valley - Billings - Stark - Morton - Burleigh - Kidder - Stutsman - Slope - Hettinger - Grant - Bowman - Adams - Sioux - Emmons - Logan - La Moure - Mcintosh - Dickey**

**04 1800CST**  
**07 0400CST**

**2 16 44.7M**

**Blizzard**

Warm weather the first three days of April lead much of North Dakota to believe that spring had arrived with temperatures in the 60s and 70s. Mother Nature had other plans. A very strong area of low pressure moved out of the Colorado area into the northern plains. Warm moist air ahead of the low collided with cold air coming down from Canada. The result was the worst blizzard of the season for North Dakota, bringing much of the state to a complete halt. The precipitation began to fall during the afternoon of the 4th (Friday), as rain in the east and freezing rain or sleet in the west. By Friday evening the freezing rain and sleet had changed over to all snow in the west. By Saturday afternoon the heavy snow moved into the central part of the state, reaching the eastern part of North Dakota later that night. Snow accumulations were on average 1.5 to 2 inches an hour with 50 to 60 mph winds as well. The blizzard ended in the west on the morning of the 6th (Sunday), but continued into the evening across the east. The additional snow at Bismarck brought the season snowfall total to 101.4 inches, which set an all time record. The old record was 91.8 inches. In Jamestown, they received 1.62 inches of rain before changing over to snow. After the devastating January blizzards, this was the storm that may have broke the back of many of the state's ranchers. an estimated 100,000 head of cattle(10% of the state's herd) was lost, with a large percentage of that being calves and yearlings. The estimated dollar loss is well over 5 million dollars. An estimated 21.5 million dollars worth of damage was done to farm buildings that collapsed under the weight of the heavy snow. Because of the closed roads, an estimated 200,000 pounds of milk had to be dumped when the trucks couldn't make it to pick up the milk. The dairy company that was supposed to pick up the milk also suffered damages. The roof collapsed under the heavy load, killing 40 dairy cows and injuring 45 others. Many power poles fell from the weight of the ice and snow combined with the strong

# Storm Data and Unusual Weather Phenomena

April 1997

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

## NORTH DAKOTA, Central and West

winds. It's estimated that over 300 wooden poles had to be replaced, with one power company reporting about 100 steel towers damaged or destroyed with over 200 miles of transmission line down. An estimated 75,000 homes were without power for sometime over the weekend, with a few houses having to wait 4-5 days before power was fully restored. The state's electrical grid was in such patch work condition that the governor requested that people conserve as much energy as possible for fear of overtaxing the system and creating a widespread brownout. National Guard helicopters were used to help power companies assess the damage done to power poles and lines. With the widespread power outages, many people had to resort to burning wood or running gas powered generators to keep their homes warm. This led to a few reports of carbon monoxide poisoning. Numerous vehicles were stranded in and out of towns, as well as people. I-94, I-29, and all other major highways in the state were closed for the weekend. On the 7th(Monday), President Clinton declared North Dakota a disaster area for the 2nd time this winter, freeing up grants and making interest loans possible. The effects of the April '97 blizzard will be felt for some time to come. The fear now is that as the snow melts revealing the cattle that perished during the storm, ground water contamination is now possible as cattle decay in the spring sun. Ranchers also fear that the storm may have weakened the surviving cattle and calves to the point that disease may now take over and kill off part of the herd. Property damage dollar amount estimated. M64PH, M46PH

## NORTH DAKOTA, East

<b>NDZ039</b>	<b>Cass</b> 02 0000CST 05 2359CST	0	0	10M	Flood
	Overland flooding due to melting snow forced the towns of Casselton, Amenia, and Mapleton to dike and sandbag. Water filled entire fields along Interstate 94 between Casselton and West Fargo, even flowing over Interstate 94 in several spots. The Maple River set a new record in Mapleton on April 4th.				
<b>NDZ016</b>	<b>Walsh</b> 03 0000CST 05 2359CST	0	0	1M	Flood
	Melting snow caused record runoff across Walsh county. Fields were covered with water due to overland flooding. Two to three feet of water flowed through the town of Minto, due to the rising Forest River. US Highway 81 through Minto was closed.				
<b>NDZ049</b>	<b>Ransom</b> 03 0000CST 05 2359CST	0	0	500K	Flood
	Snowmelt across Ransom county resulted in rapid rises on the Sheyenne River in the Lisbon area, where a new record river level was set on the 5th.				
<b>NDZ030</b>	<b>Traill</b> 03 0000CST 05 2359CST	0	0	500K	Flood
	Snowmelt caused rapid rises in the Goose River, especially in the Mayville and Hillsboro areas.				
<b>NDZ006&gt;008-014&gt;016-024-026&gt;030-038&gt;039-049-052</b>	<b>Towner - Cavalier - Pembina - Benson - Ramsey - Walsh - Eddy - Nelson - Grand Forks - Griggs - Steele - Traill - Barnes - Cass - Ransom - Sargent</b> 04 1000CST 05 2200CST	0	0	96M	Ice Storm
	An intense low pressure system, with center pressures around 28.8 inches, tracked from Fergus Falls to International Falls, Minnesota. The initial rain was accompanied by lightning and thunder in southern Grand Forks county, and then changed to freezing rain as the temperature dropped. One-half to 2 inches of ice built up on exposed surfaces. Hundreds of power poles and lines snapped due to the weight of the ice, cutting power to many homes and businesses, many of which were beginning to fight the spring flood. The wind reporting systems on the AWOS and ASOS sites across eastern North Dakota froze in place, remaining out for 7 days. The three inches of liquid equivalent from the storm fell on top of a record snowpack.				
<b>NDZ053</b>	<b>Richland</b> 05 0000CST 08 2359CST	0	0	50M	Flood
	The rising Red River filled parts of Wahpeton with water, which froze in place as the temperature dropped. Floodfighters had to sandbag during the blizzard to try to save parts of the city. Many Richland county roads washed out or were closed due to the high water. Record stages were set on the Red River in Wahpeton and on the Wild Rice River at Abercrombie on the 6th.				
<b>NDZ006&gt;008-014&gt;016-024-026&gt;030-038&gt;039-049-052&gt;053</b>	<b>Towner - Cavalier - Pembina - Benson - Ramsey - Walsh - Eddy - Nelson - Grand Forks - Griggs - Steele - Traill - Barnes - Cass - Ransom - Sargent - Richland</b> 05 1430CST 06 2000CST	1	0	102M	Blizzard
	With falling temperatures on the back side of the low, the freezing rain turned to ice pellets and then to snow. A strong pressure gradient created winds up to 65 mph, dropping visibilities down to zero. The strong wind, on top of heavy ice accumulations,				



# Storm Data and Unusual Weather Phenomena

April 1997

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## NORTH DAKOTA, East

caused thousands of power poles to snap. This cut power to over 100,000 people in eastern North Dakota and northwest Minnesota and resulted in \$30 million in damages just to the power infrastructure. A 2,060 foot television tower collapsed near Galesburg on April 5th. With power cut, many people had to seek shelters with generator power in order to keep warm. Some smaller communities were without power for more than a week. Most television and radio stations were knocked off the air, causing one Fargo radio station to become the only source of storm news for the area. In Grand Forks, 3 inches of ice pellets fell, and as the wind increased, one foot drifts of ice pellets were created. Snowfall totals on the 6th ranged around 7 inches. Interstates 29 and 94 were both closed in North Dakota, along with US Highway 2 from Lakota to Grand Forks. A 33 year-old Lankin man died from exposure, after walking away from his stalled vehicle. The blizzard was especially tough on livestock, with thousands reported dead. The governor of North Dakota declared the state a disaster area on the 6th, with a Presidential disaster declaration coming on the 7th.

M33OU

**NDZ039**

**Cass**

**08 0000CST**  
**10 2359CST**

**0      0      100M      Flood**

Record levels on the Sheyenne River forced the closing of Interstate 29 near Harwood. New records were set on the Sheyenne at Kindred on the 8th, West Fargo on the 9th, and Harwood on the 10th. The 600 people of Harwood, inside a newly constructed ring dike, could only leave by boat.

**NDZ053**

**Richland**

**13 0000CST**  
**16 2359CST**

**0      0      25M      Flood**

A second crest on the Red River at Wahpeton occurred on April 15th. Record releases from White Rock Dam, the source of the Bois de Sioux River, helped cause the second crest. The previous record release of 3770 cfs, set prior to 1997, was nearly doubled, to around 7000 cfs. Many homes and businesses on the south side of Wahpeton were flooded, including the Wahpeton airport.

**NDZ039**

**Cass**

**16 0000CST**  
**20 2359CST**

**0      0      150M      Flood**

The cresting Red River caused numerous problems to the Hickson and Fargo areas. Numerous homes along the river were flooded, as the river rose to a new record for the century on the 18th, at 39.55 feet. Overland flooding caused problems along the south and southwest sides of Fargo, as water from the Wild Rice River broke out of its banks and headed overland toward Fargo. The water flowed over Interstate 29 near the Horace exit. A clay dike was built along the south side of the city to prevent this water from flooding thousands of homes. A section was also cut out of US Highway 81 to relieve the water level along the south side of Fargo.

**NDZ030**

**Traill**

**17 0000CST**  
**21 2359CST**

**0      0      10M      Flood**

The Red River was reported to be 10 miles wide as it reached Traill county. The river set a new record stage at Halstad on the 19th.

**NDZ027**

**Grand Forks**

**18 0000CST**  
**23 2359CST**

**0      0      3B      Flood**

The Red River reached a new record level in Grand Forks, just over 54 feet, on April 21st/22nd, shattering the previous record by over 5 feet. Problems with the river gauge led to difficulties in obtaining stages. One flow measurement, taken close to the crest, indicated 145,000 cfs in the Red River. The city dikes failed on the 18th and 19th, forcing the 50,000 residents to evacuate their homes. Roughly 70 percent of the city of Grand Forks was flooded, with some homes completely submerged. Fire struck downtown Grand Forks on the 19th, burning 11 buildings to the ground. Firefighters could not reach the downtown area, due to the height of the river, so forest firefighters were called in with helicopters. All of the bridges across the river to East Grand Forks were under water, making Fargo the only crossing point from Fargo to Canada. As the river remained high for several weeks, the University of North Dakota and all other schools in Grand Forks cancelled the rest of the school year. The city had no drinking water for 3 weeks, as the water treatment plant was flooded.

**NDZ014>015**

**Benson - Ramsey**

**21 0000CST**  
**24 2359CST**

**0      1      20M      Flood**

Snowmelt caused lakes, coulees, and ditches to fill with water, running toward Devils Lake. The 3 coulees running into Devils Lake experienced record flows. 80 percent of the county roads were estimated to be under water at some point. An Edmore woman, driving across a flooded road, ended up in the ditch. She was able to get out of her car and stand on the roof, spending an hour in rapidly moving water until she was rescued. A dam on Hurricane Lake was stressed on the 23rd due to high water, causing some evacuations in Leeds.

**NDZ016**

**Walsh**

**19 0000CST**  
**25 2359CST**

**0      0      10M      Flood**

Floodwaters from the Red River closed Interstate 29 at the Oslo, Minnesota, exit. Most roads east of the interstate were closed due to high water. A ring dike around the city of Grafton kept it dry from the Park River. The Red River crested on the 23rd in Oslo.

# Storm Data and Unusual Weather Phenomena

April 1997

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## NORTH DAKOTA, East

**NDZ008**

**Pembina**

**21 0000CST**  
**30 2359CST**

**0      0      20M      Flood**

The rising Red River closed Interstate 29 near Pembina. The city of Drayton was evacuated on the 22nd, but many floodfighters returned and saved most of the city by constructing a plywood dike. Earthen dikes held in Pembina, although most of the people were also evacuated on the 22nd. One dike did fail on the south side of Pembina, flooding 25 homes. Throughout the county, numerous homes east of Interstate 29 were flooded, including the customs station north of Pembina. The tiny town of Bowsmont and both the Pembina and Drayton airports were under water. At Drayton, the river was estimated to be 20 miles wide. Further north in Pembina, it was reported to be 25 miles wide. New records were set on the Red River at Drayton on the 25th and in Pembina on the 26th. A new record was also set on the Pembina River at Neche on the 22nd.

**Grand Forks County**

**Grand Forks**

**18 0325CST**  
**0730CST**

**0      0      Flash Flood**

Dikes along Lincoln Park in Grand Forks failed, resulting in rapid water rises in the Lincoln Drive area.

**Grand Forks County**

**Grand Forks**

**18 0454CST**  
**0900CST**

**0      0      Flash Flood**

Dikes along Riverside Park and Central Park in Grand Forks failed, resulting in rapid water rises close to downtown Grand Forks.

**Grand Forks County**

**Grand Forks**

**18 0713CST**  
**1315CST**

**0      0      Flash Flood**

Dikes continued to fail along the Red River in Grand Forks, stranding some people in their homes. Some residents had to be evacuated by the National Guard and Coast Guard. Several streets became raging rivers as the water poured over the dikes.

**Richland County**

**Wahpeton**

**05 1528CST**  
**1830CST**

**0      0      Flash Flood**

Over 2.7 inches of rain fell in the Wahpeton area, which was fighting the rising Red River. Due to the frozen ground, cresting Red River, and record runoff already in the area, many streets in town were quickly flooded.

**Cass County**

**Fargo**

**17 1700CST**  
**1730CST**

**0      0      Flash Flood**

The Red River broke through a dike along South Terrace Drive in Fargo, flooding 30 homes and the Oak Grove High School. 270 students and their teachers and parents had sandbagged at the high school for three weeks to try to save the school.

## OHIO, East

NONE REPORTED.

## OHIO, North

**OHZ020>021-032**

**Medina - Summit - Stark**

**06 1100EST**  
**2255EST**

**0      0      6K      High Wind (G50)**

**Stark County**

**Navarre**

**12 1937EST**

**0      0      Hail (0.75)**

**OHZ019**

**Huron**

**30 2311EST**

**0      0      2K      High Wind (G50)**

At least two trees were downed, one near Norwalk and another in Bronson Township.

**Lucas County**

**Toledo**

**30 2125EST**

**0      0      5K      Thunderstorm Wind (G52)**

Near Maumee Bay, winds estimated at 60 miles per hour downed power lines, blew a temporary sign off a bridge, and left a few branches lying in roads.

## OHIO, Northwest

NONE REPORTED.

## OHIO, Southeast

**OHZ066>067-075>076-083>087**

**Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence**

**01 0100EST**  
**30 2300EST**

**0      0      Prolong Cold**

The monthly average temperature was about 4 degrees cooler than an average April across southeast Ohio. The coolest temperatures came on the 9th, 10th, 14th, and 15th of the month. Dawn readings were mostly in the upper teens and 20s then. The

# Storm Data and Unusual Weather Phenomena

April 1997

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## OHIO, Southeast

coldest temperature from preliminary data was 15 degrees from Carpenter of Meigs County on the 10th. On the same morning, New Lexington and Athens had 18 degrees, Jackson 19, Marietta 20, South Point and Gallipolis both reported 21 degrees. The sprouting of the new spring vegetation was slowed during the month.

## OHIO, Southwest

**OHZ015>016-024>026-034>035-042>044-051>053-060>061**

**Paulding - Putnam - Van Wert - Allen - Hardin - Mercer - Auglaize - Darke - Shelby - Logan - Miami - Champaign - Clark - Preble - Montgomery**

<b>06</b>	<b>1430EST 1730EST</b>	<b>0</b>	<b>0</b>	<b>19K</b>	<b>High Wind (G60)</b>
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Winds gusted to around 60 mph at times blowing 2 roofs off buildings, detaching an awning from a building and blowing it into a truck, and knocking trees and power lines down.

**Van Wert County  
Convoy**

<b>30</b>	<b>2010EST 2015EST</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind (G52)</b>
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Winds gusted to 60 mph.

**Darke County  
Ansonia**

<b>30</b>	<b>2043EST 2047EST</b>	<b>0</b>	<b>0</b>	<b>3K</b>	<b>Thunderstorm Wind (G50)</b>
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Numerous trees and power lines downed.

**Paulding County  
Payne**

<b>30</b>	<b>2036EST 2040EST</b>	<b>0</b>	<b>0</b>	<b>2K</b>	<b>Thunderstorm Wind (G50)</b>
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Trees and power poles downed.

## OKLAHOMA, Eastern

**Le Flore County  
1 E Talihina**

<b>04</b>	<b>2110CST</b>	<b>0</b>	<b>0</b>	<b>12K</b>	<b>Thunderstorm Wind</b>
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**Sequoyah County  
Muldrow**

<b>04</b>	<b>2150CST</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind (G52)</b>
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Isolated severe thunderstorms developed in east central and southeast Oklahoma during the evening of April 4th. Strong thunderstorm winds blew out windows, damaged several roofs, and downed numerous trees 1 mile east of Talihina, and thunderstorm winds gusted to 60 miles an hour in Muldrow.

**Tulsa County  
Broken Arrow**

<b>07</b>	<b>2040CST</b>	<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
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**Mcintosh County  
2 NW Checotah**

<b>07</b>	<b>2105CST</b>	<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
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**Muskogee County  
Boynton**

<b>07</b>	<b>2145CST</b>	<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
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Isolated severe thunderstorms developed in northeast Oklahoma during the evening of April 7th. The storms produced dime size hail at Broken Arrow, 2 miles northwest of Checotah, and at Boynton.

**Mcintosh County  
Eufaula**

<b>11</b>	<b>0443CST</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind (G52)</b>
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A severe thunderstorm produced 60 mile an hour winds in Eufaula.

**Tulsa County  
Broken Arrow**

<b>22</b>	<b>2313CST</b>	<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
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A severe thunderstorm produced dime size hail in Broken Arrow.

**Craig County  
2 SW Welch**

<b>20</b>	<b>1638CST</b>	<b>0</b>	<b>0</b>		<b>Hail (0.88)</b>
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**Ottawa County  
Narcissa**

<b>20</b>	<b>1650CST</b>	<b>0</b>	<b>0</b>		<b>Hail (0.88)</b>
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**Ottawa County  
3 S Miami**

<b>20</b>	<b>1653CST</b>	<b>0</b>	<b>0</b>		<b>Hail (1.00)</b>
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**Ottawa County  
Wyandotte**

<b>20</b>	<b>1710CST</b>	<b>0</b>	<b>0</b>		<b>Hail (1.00)</b>
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# Storm Data and Unusual Weather Phenomena

April 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

## OKLAHOMA, Eastern

<b>Okmulgee County</b> Morris	20	1740CST			0	0			Hail (0.75)
<b>Wagoner County</b> 4 N Wagoner	20	1755CST			0	0			Hail (0.75)
<b>Muskogee County</b> 1 S Wainwright	20	1800CST			0	0			Hail (0.75)
<b>Wagoner County</b> 2 E Tullahassee	20	1805CST			0	0			Hail (1.00)
<b>Mcintosh County</b> 1 SW Checotah	20	1850CST			0	0			Hail (0.88)
<b>Muskogee County</b> Ft Gibson	20	1900CST			0	0			Hail (0.75)
<b>Mcintosh County</b> 2 SE Checotah	20	1905CST			0	0			Hail (1.00)
<b>Muskogee County</b> Ft Gibson	20	1915CST			0	0			Hail (0.75)
<b>Cherokee County</b> Cookson	20	1940CST			0	0			Hail (0.88)
<b>Cherokee County</b> Cookson	20	1945CST			0	0			Hail (0.75)
<b>Sequoyah County</b> 8 N Vian	20	1945CST			0	0			Hail (0.88)
<b>Sequoyah County</b> Box	20	1950CST			0	0			Hail (0.75)
<b>Sequoyah County</b> Gore	20	2020CST			0	0			Hail (0.75)
<b>Sequoyah County</b> 2 N Vian	20	2030CST			0	0			Hail (0.75)
<b>Sequoyah County</b> 1 N Sallisaw	20	2100CST			0	0			Hail (0.75)
<b>Sequoyah County</b> 4 N Sallisaw	20	2103CST			0	0			Hail (1.00)
<b>Sequoyah County</b> 3 NE Short	20	2118CST			0	0			Hail (0.88)

Severe thunderstorms developed and moved across northeast Oklahoma during the late afternoon and evening of April 20th. Quarter size hail fell 3 miles south of Miami, at Wyandotte, 2 miles east of Tullahassee, and 4 miles north of Sallisaw. Nickel to quarter size hail fell 2 miles southeast of Checotah, and dime to nickel size hail fell at numerous other locations in northeast Oklahoma.

## **Osage County** Nr Shidler

11	0115CST 0400CST			0	0				Flash Flood
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Thunderstorms in western Osage County produced very heavy rainfall which resulted in flash flooding. State Highway 18 north of Shidler and State Highway 119 from Shidler west towards Webb City were both temporarily closed due to high water.

## OKLAHOMA, Extreme Southeast

<b>Mccurtain County</b> Idabel	22	0315CST			0	0			Hail (0.75)
<b>Mccurtain County</b> Haworth	22	0430CST			0	0			Hail (0.88)

## OKLAHOMA, Panhandle

<b>Cimarron County</b> 10 SE Boise City	21	1810CST			0	0			Funnel Cloud
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Thunderstorms across the western Oklahoma Panhandle produced a report of a funnel cloud.

## **OKZ003**

<b>Beaver</b>									
29	2355CST			0	0				High Wind (G55)
30	0025CST								

Gradient wind gusts of 50 to 55 knots were recorded by Oklahoma Mesonet stations at Beaver and Slapout.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>OKLAHOMA, Western, Central and Southeast</b>									
<b>Bryan County</b> 2 E Cartwright	04	1734CST			0	0			Hail (0.88)
<b>Bryan County</b> Colbert	04	1739CST			0	0			Hail (1.00)
<b>Bryan County</b> 3 S Durant	04	1739CST			0	0			Hail (1.00)
<b>Bryan County</b> 3 S Durant	04	1739CST			0	0			Thunderstorm Wind (G52)
<b>Pushmataha County</b> 2 E Nashoba	04	2040CST	0.5	50	0	0	0.10K		Tornado (F0)
A small tornado moved east of Nashoba, producing a narrow band of tree damage. The tornado was rated F0.									
<b>Pushmataha County</b> Nashoba	04	2045CST			0	0	10K		Thunderstorm Wind
Roofs of 5 homes were damaged and a mobile home was blown off its foundation by severe thunderstorm winds. Severe thunderstorms moved through southeastern Oklahoma during the evening of April 4th. Hail as large as quarters was reported in Bryan County in Colbert and near Durant. Wind gusts were estimated to be as high as 60 mph, also near Durant. A particularly strong storm produced an F0 tornado east of Nashoba and substantial wind damage in Nashoba in Pushmataha County.									
<b>Carter County</b> Ardmore	16	2120CST			0	0			Hail (0.75)
<b>Marshall County</b> 1 N Lebanon	16	2155CST			0	0			Hail (0.88)
<b>Seminole County</b> Wewoka	20	1720CST			0	0			Hail (0.75)
<b>Hughes County</b> 2 W Holdenville	20	1730CST			0	0			Hail (0.75)
<b>Pontotoc County</b> Byng	20	1742CST			0	0			Hail (1.00)
<b>Carter County</b> 3 SE Healdton	20	1800CST			0	0			Hail (1.00)
<b>Hughes County</b> 3 E Holdenville	20	1800CST			0	0			Hail (0.88)
<b>Jefferson County</b> Ringling	20	1800CST			0	0			Hail (0.88)
Nickel-size hail covered the ground.									
<b>Hughes County</b> 4 N Calvin	20	1808CST			0	0			Hail (1.00)
<b>Murray County</b> 5 N Davis	20	1812CST			0	0			Hail (1.00)
at Turner Falls									
<b>Pontotoc County</b> 5 W Stonewall	20	1821CST			0	0			Hail (0.88)
<b>Johnston County</b> 1 NE Mill Creek	20	1845CST			0	0			Hail (0.88)
<b>Coal County</b> 4 E Bromide	20	1855CST			0	0			Hail (0.75)
<b>Carter County</b> 3 S Gene Autry	20	1900CST			0	0			Hail (0.75)
<b>Johnston County</b> 2.5 NW Tishomingo	20	1900CST			0	0	5K		Thunderstorm Wind
Severe thunderstorm winds destroyed a barn, tore shingles from a house roof, and downed large trees.									
<b>Hughes County</b> 3 SE Gerty	20	1907CST			0	0			Hail (2.50)
<b>Coal County</b> Coalgate	20	1910CST			0	0			Hail (0.75)
<b>Johnston County</b> 5 NE Tishomingo	20	1910CST			0	0	0.01K		Thunderstorm Wind
Strong winds blew down two eight-inch diameter poplar trees.									

# Storm Data and Unusual Weather Phenomena

April 1997

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

## OKLAHOMA, Western, Central and Southeast

### **Johnston County**

6 N Coleman      20      1930CST      0      0      Hail (1.00)

### **Atoka County**

7 W Atoka      20      1950CST      0      0      Hail (0.75)

### **Atoka County**

5 W Tushka      20      1955CST      0      0      Hail (0.88)

### **Atoka County**

2 S Tushka      20      2005CST      0      0      Hail (0.75)

### **Atoka County**

10 E Atoka      20      2015CST      0      0      Hail (0.75)

### **Choctaw County**

Hugo      20      2115CST      0      0      Hail (0.88)

Severe thunderstorms moved across parts of central, south-central and southeastern Oklahoma during the evening of the 20th. Reports of large hail were widespread, with hail as large as tennis balls near Gerty in Hughes County. Substantial wind damage also occurred in Johnston County near Tishomingo.

### **OKZ008**

#### **Kay**

11      0115CST      1      1      Flood

Heavy rains in north-central Oklahoma on Friday April 10th caused several rivers and streams in north-central Oklahoma, including the Chikaskia River, to flood. The flooding of the Chikaskia River around Blackwell and Ponca City resulted in portions of Hubbard Road between Ponca City and Blackwell and US 177 south of Ponca City being closed Friday evening. One woman died and a man had to be rescued after driving around barricades and into floodwaters.

The fatality, a 53-year-old woman, was on her way to Blackwell from Ponca City very early Saturday morning. She drove around a barricade on Hubbard Road at Waverly Street on the outskirts of Ponca City and then attempted to drive through the flooded portion of the road where Hubbard Road crosses the Chikaskia River, about 2.5 miles east of US 177. Her car was washed downstream about 200 yards. The victim apparently attempted to get out of the vehicle and was carried downstream. Her body was found about 150 yards farther downstream.

In an unrelated incident, a man drove around the west barricade on Hubbard Road on his way to Ponca City. His car was also washed off the road and into the river. He was rescued and taken to the hospital to be treated for hypothermia. F53VE

### **OKZ007**

#### **Grant**

06      1948CST      0      0      0.50K      High Wind (G44)

Straight line winds not associated with a thunderstorm tore the tin roof off a storage shed in Medford.

### **Garvin County**

#### **Pauls Valley**

25      1407CST      0      0      Lightning

Lightning struck a building near the intersection of Joy and Santa Fe in Pauls Valley. All of the electrical circuits in the building were destroyed, and an antenna on a neighboring building was melted. The thunder from the bolt shattered at least 4 windows at Pauls Valley High School. Falling glass from one of the windows fell onto and injured one student.

### **Kingfisher County**

#### **5 N Dover**

10      1845CST      0      0      Hail (0.75)

Three-quarter inch hail covered the ground on Hwy 81.

### **Garfield County**

#### **Covington**

10      1920CST      0      0      Hail (0.88)

### **Kingfisher County**

#### **Dover**

10      1930CST      0      0      Hail (1.00)

## OREGON, Central and East

### **ORZ019**

#### **Northeast Oregon**

20      0600PST      0      0      Flood

21      1600PST

Clark creek washed out a culvert making a road impassable to vehicles.

## OREGON, Northwest

### **ORZ011**

#### **Northern Cascades**

13      1200PST      0      0      0      Heavy Snow

14      0600PST

A cold Pacific storm dumped 9 inches of new snow at Mt. Hood Meadows and 6 inches at Bennett Pass.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## OREGON, Northwest

<b>ORZ001</b>	<b>Northern Coast</b>								
	19	1500PST			0	0	0		High Wind
	20	0100PST							
	Wind gusted to 63 mph at Netarts at 836 PM.								
<b>ORZ002</b>	<b>Central Coast</b>								
	19	1700PST			0	0	0		High Wind
	20	0100PST							
	Wind gusted to 77 mph at Sea Lion Caves at about 9 PM.								
<b>ORZ006</b>	<b>Southern Willamette Valley Including Eugene</b>								
	20	0001PST			0	0	50K		High Wind
		0330PST							
	Winds gusted to 50 mph in Corvallis, resulting in large tree limbs and branches blown down and scattered power outages.								
<b>ORZ005</b>	<b>Central Willamette Valley Including Salem</b>								
	20	0001PST			0	0	5K		High Wind
		0330PST							
	Strong winds, with reported gusts to 52 mph in Salem, resulted in numerous large tree limbs and branches blown down and scattered power outages.								
<b>ORZ011</b>	<b>Northern Cascades</b>								
	30	1500PST			0	0	0		Heavy Snow
		2359PST							
	The month ended with a vigorous storm that dumped 6 inches of new snow at Mt. Hood Meadows.								

## OREGON, Southeast

<b>Baker County</b>									
3 S Huntington	30	1400PST	1	20	0	0			Tornado (F0)
		1415PST							
<b>Malheur County</b>									
4 SW Ontario Arpt to 2 SW Ontario Arpt	30	1445MST	3	30	0	0			Tornado (F1)
		1515MST							
<b>Malheur County</b>									
6 S Ontario	30	1500MST			0	0			Funnel Cloud
	On the afternoon of April 30, severe thunderstorms erupted over Southeastern Oregon. These thunderstorms produced two confirmed weak tornadoes near Ontario. The strongest twister touched down near the hamlet of Cairo Junction. It destroyed a metal construction barn, ripped up some irrigation pipe, broke windows and lifted a two thousand pound camper and carried it 50 feet. The second tornado touched down at Farewell Bend State Park in Baker County. It did minimal damage to a fence before dissipating as it crossed the Snake River. Weather spotters also reported at least two funnel clouds which did not reach the ground in the area between Ontario and Nyssa Oregon.								

## OREGON, Southwest

NONE REPORTED.

## PACIFIC

NOT RECEIVED.

## PENNSYLVANIA, Central

<b>PAZ066</b>	<b>Lancaster</b>								
	01	0000EST			0	0			High Wind (G50)
		1500EST							
	Strong winds following the March 31st snowstorm caused whiteouts over eastern Lancaster County. A mobile home in transit was blown off a truck, closing Rte. 30 in both directions.								
<b>PAZ064&gt;066</b>	<b>Adams - York - Lancaster</b>								
	09	0100EST			0	0	25M		Extreme Cold
		1000EST							
	Warm, sunny weather during the preceding week forced many trees into early bloom, then temperatures fell into the 20's and 30's overnight on the 9th and 10th. Unusually cold temperatures caused significant damage to fruit trees across south central Pennsylvania. State-wide estimates of up to \$25 million in losses to peach, apricot, nectarine and other fruit crops were predicted due to bud damage to trees.								

## PENNSYLVANIA, East

<b>PAZ054&gt;055-060&gt;062-067&gt;071</b>	<b>Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia</b>								
	09	0100EST			0	0	25M		Unseasonably Cold
		0800EST							

# Storm Data and Unusual Weather Phenomena

April 1997

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

## PENNSYLVANIA, East

An unseasonably cold air mass from Canada moved across Pennsylvania from April 9th through the 11th. The cold weather did an estimated \$25 million dollars in damage to the peach and apple crops in the state. About 90 percent of the \$24 million-a-year peach crop might have been killed and it was estimated from 20 to 100 percent of the \$50 million-a-year apple crop could have died. Some damage was also reported in the pears, plums and apricots orchards.

A cold front moved through the region during the night of the 8th and ushered in this unseasonably cold air mass. The high pressure system at the center of it reached the Great Lakes the morning of the 10th and the Middle Atlantic Coast the morning of the 11th. Southwest winds around this high then modified the air mass and returned temperatures closer to seasonal levels. Low temperatures those three mornings were below the freezing mark in most areas. Unseasonably warm weather for most of late February and March preceding this cold spell had plants blooming about 10 to 14 days ahead of schedule. Although the weather was colder than usual, no records were broken. The coldest morning in most places was the 10th. The coldest temperatures included 22F in Perkasio (Bucks County) and East Stroudsburg (Monroe County) the morning of the 10th, 25F at the Lehigh Valley International Airport the morning of the 10th, 26F in Reading (Berks County), Pottstown (Montgomery County) and Doylestown (Bucks County) the morning of the 10th, 28F in Crum Creek (Delaware County) and Levittown (Bucks County) the morning of the 11th and 29F at the Philadelphia International Airport the morning of the 10th.

**PAZ054>055-060>062-067>071**    **Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia**

01	0000EST 0600EST	0	0	Heavy Snow
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**PAZ054>055-060>062-067>071**    **Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia**

01	0000EST 1900EST	0	0	Wind
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A late season snowstorm dropped some of the heaviest snow of all winter across Eastern Pennsylvania from the morning of March 31st into the morning of April 1st. The low pressure system responsible for this looked rather innocuous on March 30th as it moved with its associated cold front through the Midwest. Temperatures that day (Easter Sunday) warmed into the 50s and 60s across the area. But as the low intensified off the New Jersey Coast on the 31st, it pulled down colder air. The heavy precipitation it created also cooled the atmosphere and changed the rain over to snow. The rain changed to snow close to dawn across the Poconos. The changeover progressed southeast reaching the Lehigh Valley around 9 a.m. EST and Philadelphia close to noon EST. Bands of heavier snow moved through the Middle Atlantic States and caused wide variations in accumulations that were both location (underneath these bands) and elevation dependent.

The Poconos and Western Chester County were hit the hardest. The combination of the heavy wet snow and strong gusty winds pulled down trees and power lines and caused blowing and drifting of the snow. It also caused major traffic accidents. The State of Pennsylvania declared a disaster emergency in Carbon, Chester and Monroe Counties. Interstates 80 and 380 were closed for up to 20 hours on March 31st and April 1st. The National Guard sent humvees into the area to rescue stranded motorists. In Monroe County, about 1,300 motorists spent the night of March 31st in shelters after traffic accidents and heavy snow forced the closure of Interstates 80 and 380. While the rain changed to snow early in the day, the problems started with the heavier snow during the afternoon. Over 250 accidents occurred. Near white-out conditions were reported between 8 p.m. EST on the 31st and 230 a.m. EST on the 1st. It was estimated nearly 3,000 vehicles were stuck on roadways. The heavy wet snow and strong winds also knocked down trees and power lines cutting off power to about 5,000 homes in the Poconos. Accumulations included 23 inches in Mount Pocono, 18 inches in Blakeslee, 17 inches in Long Pond and 9 inches in Lehighton. No serious injuries were reported.

In Chester County, over 300 persons took shelter overnight in a firehouse under construction in the western part of the county. The heavy snow contributed to two traffic fatalities within the county. At 1230 p.m. EST an 18-year-old woman passenger was killed in East Nottingham when the vehicle she was in skidded and struck a pole. At 6 p.m. EST a 45-year-old male was killed in West Whiteland Township when his vehicle was struck by a delivery truck. In all, the county reported about 300 traffic accidents and nearly the same number of downed trees, wires, traffic lights and abandoned cars. Dozens of vehicles were abandoned between East Nottingham and Avondale. Fifteen tractor trailers were disabled on Pennsylvania State Route 41 alone. All or parts of Pennsylvania State Routes 10 and 41 and U.S. Routes 30 and 202 were closed in the county. The Philadelphia Electric Company (PECO) estimated 15,000 homes lost power in the county. Accumulations included 11 inches in Coatesville, 9 inches in Downingtown and 4 inches in Honey Brook.

This storm featured bands of heavier snow. No place was this more apparent than in Berks County where accumulations ranged from a trace in western parts of the county to 10 inches in eastern parts of the county in Greenwich, Ruscombmanor and Union Townships. Interstate 78 was closed overnight between exits 12 (Greenwich Township) and 13 (New Smithville in Lehigh County) because of accidents and blowing snow. The eastbound lanes were backed up for 10 miles. The Pennsylvania Office of Emergency Management dispatched the Red Cross to help stranded motorists with food and drinks between exits 8 and 14 on Interstate 78. The Berks County Communication Center responded to over 50 serious accidents throughout the county between 3 and 9 p.m. EST. The most serious one (4 injuries) was a jackknifed tractor trailer that was rammed by a car and then a moving van on Interstate 78 in Windsor Township. GPU reported 2,500 homes lost power in the county, nearly all in Muhlenberg Township after a large tree came crashing down. In addition to Interstate 78, numerous accidents and road closures occurred on Pennsylvania State Routes 401,



# Storm Data and Unusual Weather Phenomena

April 1997

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

## PENNSYLVANIA, East

422, 568 and 625.

In the Lehigh Valley, northern parts of Northampton County were hit the hardest. The most problems were reported in Bushkill and Moore Townships. Accidents and/or downed trees shut down sections of Pennsylvania State Routes 33, 191, 248, 512 and 611. Forty motorists were stranded on Airport Road, their vehicles were unable to get up the hill just south of Pennsylvania State Route 329. At the Lehigh Valley International Airport, 4.4 inches of snow accumulated.

Elsewhere around the Philadelphia Metropolitan Area, rush hour was called a nightmare in Bucks County. The southbound side of Interstate 95 was shut down for an hour because of a multi-vehicle accident. Pennsylvania State Route 412 was also closed because of accidents. In Montgomery County, numerous accidents were reported in Upper Pottsgrove, Worcester, Lower Pottsgrove and Lower Providence Townships. In addition, 11,000 PECO homes lost power. About 65,000 homes and businesses throughout the Greater Philadelphia Metropolitan Area lost power because of the combination of the heavy wet snow and strong winds. Within Philadelphia, there were over 200 trees that were damaged because of this combination. Accumulations included 12 inches in Furlong, 11 inches in Sellersville and Palm, 10 inches in Green Lane, 9 inches in Neshaminy Falls, 8 inches in Pottstown and Perkasio, 5 inches in Levittown, 3.9 inches at the Philadelphia International Airport and 3 inches at Valley Forge.

While the snow was over by daybreak on April 1st, strong gusty winds persisted throughout the daylight hours hampering utility and road crew work. The strongest wind gusts averaged around 45 mph throughout the region.

## PENNSYLVANIA, Northeast

**PAZ039>040-043>044-047>048**    **Susquehanna - Wayne - Wyoming - Lackawanna - Luzerne - Pike**

01	0000EST 0400EST	0	0		<b>Heavy Snow</b>
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The major late season snowstorm that struck northeast Pennsylvania on the 31st of March began to wind down during the pre-dawn hours of April 1st. By sunrise on the 1st, much of the accumulating snowfall had moved out of the region. This left total accumulations ranging from a foot to upwards of 30 inches in an area from the Wilkes-Barre Scranton vicinity eastward through the Poconos.

It took road crews and power companies much of the day to move stranded vehicles, clear major roadways, and restore electricity to the hardest hit localities.

**PAZ040-048**

<b>Wayne - Pike</b>					
01	0400EST 1400EST	0	0	<b>30K</b>	<b>High Wind</b>

The powerful low pressure system that dumped very heavy snow on northeast Pennsylvania also produced strong gusty winds during the day on the 1st. Across much of the Poconos, gusts of 50 to 60 mph were common in the late morning and midday hours.

Numerous large trees were blown down in Wayne and Pike counties. Several road closures from felled trees and branches resulted. Also, thousands of customers remained without power most of the day.

## PENNSYLVANIA, Northwest

**PAZ003**

<b>Crawford</b>					
06	2100EST	0	0	<b>2K</b>	<b>High Wind</b>

Power lines were downed in Saegertown.

## PENNSYLVANIA, West

NONE REPORTED.

## PUERTO RICO

**PRZ005**

<b>Aguadilla</b>					
01	0000AST	0	0		<b>Drought</b>
30	0000AST				

April 1997 was the driest April ever in San Juan...and the second driest month. Many towns went through the entire month without any rain. During this dry spell which started on March 15, 1997 the north coast and north slopes only recorded 14-15 percent of the normal rain. Islandwide only 19 percent of the normal rain was registered during this period. Only 0.08 inches of rain were registered at the Luis Munoz Marin International airport, shattering the previous record of 0.28 inches in April 1984.

**Caguas Las Piedras  
San Lorenzo**

02	1730AST 1930AST	0	0		<b>Heavy Rain</b>
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Civil Defense reported that a river in San Lorenzo overflowed its banks near road #81 at Barrio Espinoza.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## PUERTO RICO

### **Arecibo**

Arecibo	03	0730AST 2359AST			0	0			High Swells
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Civil Defense reported that the heavy surf at the river Rio Grande de Arecibo mouth was blocking the normal flow of water to the sea, and the river was rising.

### **Carolina**

Loiza	03	0730AST 2359AST			0	0	5K		High Swells
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Civil Defense reported very heavy surf along road #187 from Pinones to Rio Grande. The road was closed off to traffic.

### **Aguadilla**

Aguada	03	0918AST			0	0			High Swells
	04	1120AST							

A reporter from Rincon indicated that some moored boats in Aguada were pushed up onto a nearby road at the time of high tide.

### **Carolina**

Loiza Pinones	04	0000AST			0	0			Coastal Flooding
	05	0845AST							

Heavy swells caused coastal flooding along the exposed coastal areas of northern Puerto Rico. The most impacted section was in Loiza...Pinones. Road 187 was closed several times at the time of high tide due to sea water covering the road.

### **Aguadilla**

Aguadilla	21	1842AST 1900AST			0	0			Funnel Cloud
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A pilot at the Ramey Airport reported seeing a funnel cloud with a possible tornado near the end of the runway at the airport.

### **Culebra**

Culebra	27	1155AST 1210AST			0	0			Waterspout
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A pilot reported a waterspout 3 miles southwest of the Culebra lighthouse.

### **Carolina**

Loiza Pinones	21	2330AST 2359AST			0	0			Coastal Flood
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Civil Defense reported coastal flooding along road #187 from Loiza to Pinones.

### **Fajardo Rio Grande**

Fajardo	21	1220AST 2359AST			1	0			High Swells
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A person was dragged by the undercurrent in the Colorada sector of the Seven Seas beach in Fajardo and was reported missing. Three other tourists who were snorkeling were rescued by authorities after they were carried away by the strong currents. M39IW

## RHODE ISLAND

### **RIZ001>007**

**Northwest Providence - Southeast Providence - Western Kent - Eastern Kent - Bristol - Washington - Newport**

01	0000EST 1200EST			0	0	700K		Heavy Snow
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### **RIZ001>007**

**Northwest Providence - Southeast Providence - Western Kent - Eastern Kent - Bristol - Washington - Newport**

01	0000EST 1200EST			0	0			Strong Wind
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A low pressure system which formed off the New Jersey coast during the early morning hours of March 31st intensified rapidly as it moved to a position 60 miles south of Newport, Rhode Island. This system retreated to the south during the early morning hours of April 1st, pulling in cold air from the north. The center then moved slowly eastward. Heavy snow and strong winds produced blizzard and near-blizzard conditions across most of Rhode Island during the early morning hours on April 1st.

Snowfall accumulations set all-time records for April across most of the state, with amounts ranging from around 4 inches along the south coast to nearly 30 inches along the Massachusetts border in the extreme northern portion of the state. Some totals included: Burrillville, 30.5 inches; West Cranston, Cumberland, and North Foster, 24 inches; downtown Providence, 19.5 inches; and Warwick, 18 inches, a new all-time record for the month of April.

The heavy, wet snow made snow removal extremely difficult and highway travel was just about impossible during the height of the storm. Over a thousand tree limbs and some trees were reported down in Providence and some streets were initially left unplowed due to fallen tree limbs and wires. Schools were closed for two days. Up to 55,000 electric customers were without power at the height of the storm early on April 1st. Most of the estimated dollar damage was due to snow removal and power restoration.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>SOUTH CAROLINA, Central</u></b>									
<b>Barnwell County</b> 5 NW Barnwell	21	1935EST			0	0			<b>Thunderstorm Wind (G50)</b> A severe thunderstorm took down several large limbs on highways 166 and 167 about 5NW of Barnwell.
<b>Fairfield County</b> Jenkinsville	22	1556EST			0	0			<b>Hail (0.75)</b> A spotter reports a severe storm produced 3/4 inch hail in Jenkinsville.
<b>Fairfield County</b> Winnsboro	22	1615EST			0	0			<b>Hail (1.75)</b> Post Office reports 1 3/4 inch hail in Winnsboro.
<b>Kershaw County</b> Bethune	22	1700EST			0	0			<b>Thunderstorm Wind (G70)</b> Sheriff reports a mobile home severely damaged by a severe thunderstorm.
<b>Lancaster County</b> Heath Springs	22	1647EST			0	0			<b>Hail (0.75)</b> Heath Springs police report 3/4 inch hail.
<b>Aiken County</b> Gloverville	22	1830EST			0	0			<b>Hail (1.75)</b> Ham reports 1 3/4 inch hail in Gloverville.
<b>Mccormick County</b> Plum Branch	22	1825EST			0	0			<b>Hail (1.00)</b> Sheriff reports 1 inch hail in Plum Branch.
<b>Edgefield County</b> 10 SW Edgefield	22	1840EST			0	0			<b>Hail (1.00)</b> HAM reports 1 inch hail 10SW Edgefield.
<b>Saluda County</b> Ridge Spg	22	1857EST			0	0			<b>Hail (1.00)</b> Fire Dept. reports 1 inch hail in Ridge Spring.
<b>Lexington County</b> Leesville	22	1922EST			0	0			<b>Hail (0.75)</b> Sheriff reports 3/4 inch hail in Leesville.
<b>Lexington County</b> Red Bank	22	1955EST			0	0			<b>Hail (0.75)</b> HAM reports 3/4 inch hail in Red Bank.
<b>Calhoun County</b> Sandy Run	22	1922EST			0	0			<b>Hail (0.75)</b> Sheriff reports 3/4 inch hail 1 inch deep on the ground.
<b>Richland County</b> Columbia	22	1955EST			0	0			<b>Thunderstorm Wind (G55)</b> TV met reports several trees down on Trenholm road.
<b>Fairfield County</b> Ridgeway	22	2005EST			0	0			<b>Hail (0.75)</b> Spotter reports 3/4 inch hail in Ridgeway.
<b>Sumter County</b> 10 NW Sumter	22	2015EST			0	0			<b>Hail (1.00)</b> Sheriff reports 1 inch hail in Cherryvale.
<b>Aiken County</b> Warrenville	22	1958EST			0	0			<b>Hail (0.75)</b> HAM reports 3/4 inch hail in Warrenville.
<b>Aiken County</b> Aiken	22	2010EST			0	0			<b>Hail (1.75)</b> Sheriff reports 1 3/4 inch hail in Aiken.
<b>Lexington County</b> West Columbia	22	2035EST			0	0			<b>Thunderstorm Wind (G70)</b> HAM reports trees and radio tower down in West Columbia.
<b>Barnwell County</b> Williston	22	2050EST			0	0			<b>Thunderstorm Wind (G70)</b> EPD reports numerous trees down in Williston.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>SOUTH CAROLINA, Central</u></b>									
<b>Bamberg County</b> Ehrhardt	22	2110EST			0	0			Thunderstorm Wind (G60)
									EPD reports trees down in Ehrhardt.
<b>Calhoun County</b> St Matthews	22	2103EST			0	0	250K		Thunderstorm Wind (G75)
									EPD reports many trees down on powerlines, homes, and mobile homes in and around St. Matthews.
<b>Orangeburg County</b> Springfield	22	2051EST			0	0			Hail (1.00)
									State Law Enforcement Division reports 1 inch hail in Springfield.
<b>Orangeburg County</b> North	22	2051EST			0	0			Thunderstorm Wind (G90)
									Numerous trees fell on powerlines, businesses, homes, and mobile homes. The roof of the North Elementary School was partially torn off. The roof of a 24 x 40 ft cinder block building was lifted off of the foundation and deposited next to the building. There was one minor injury and damage estimates are around .5 million dollars.
<b>Richland County</b> Columbia	22	2100EST			0	0			Thunderstorm Wind (G55)
									Columbia police report several trees uprooted.
<b>Clarendon County</b> 5 ESE Turbeville to 6 ESE Turbeville	22	2110EST 2112EST	0.5	200	0	2			Tornado (F1)
									A small supercell produced an F1 tornado just eastsoutheast of Turbeville which injured two people, destroyed 5 mobile homes, and badly damaged several other mobile homes.
<b>Clarendon County</b> Turbeville	22	2105EST			0	0			Hail (1.00)
									A small supercell produced 1 inch hail in Turbeville.
<b>Sumter County</b> Pinewood	22	2128EST			0	0			Thunderstorm Wind (G60)
									Pinewood police report trees down.
<b>Sumter County</b> Sumter	22	2130EST			0	0			Thunderstorm Wind (G50)
									Police report wind damage to several homes.
<b>Clarendon County</b> Alcohu	22	2120EST			0	0			Thunderstorm Wind (G60)
									Police report trees down in Alcohu.
<b>Bamberg County</b> Denmark	23	0023EST			0	0			Hail (1.50)
									EPD reports 1 1/2 inch hail in Denmark.
<b>Orangeburg County</b> Cope	23	0030EST			0	0			Thunderstorm Wind (G75)
									EPD reports two barns blown down in Cope.
<b>Orangeburg County</b> Orangeburg	23	0030EST			0	0			Thunderstorm Wind (G60)
									EPD reports trees and powerlines down in Orangeburg.
<b>Orangeburg County</b> Eutawville	23	0042EST			0	4			Thunderstorm Wind (G60)
									EPD reports mobile home overturned in Eutawville. There were four minor injuries.
<b>Calhoun County</b> 5 SE St Matthews	23	0045EST			0	0			Thunderstorm Wind (G55)
									EPD reports a severe thunderstorm took down trees 5SE of St. Matthews.
<b>Clarendon County</b> 8 NE Manning	23	0102EST			0	0			Thunderstorm Wind (G60)
									Sheriff reports trees and powerlines down 8NE of Manning.
<b>Aiken County</b> Graniteville	22	1945EST			0	0			Hail (1.75)
									HAM reports 1 3/4 inch hail in Graniteville.
<b>Barnwell County</b> Barnwell	23	0055EST			0	0			Hail (0.75)
									Sheriff reports 3/4 inch hail in Barnwell.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## SOUTH CAROLINA, Central

### **Barnwell County**

Barnwell	23	0055EST			0	0			Thunderstorm Wind (G55)
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Sheriff reports trees down in Barnwell.

## SOUTH CAROLINA, North Coastal

### **Horry County**

Bayboro	21	1500EST 1525EST			0	0			Hail (0.75)
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REPORTED AT THE INTERSECTION OF HIGHWAY 410 AND 701

### **Darlington County**

Darlington	22	1652EST 1657EST			0	0			Hail (0.75)
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### **Horry County**

Shell	22	1750EST 1752EST			0	0			Hail (1.00)
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### **Florence County**

Lake City	22	2123EST 2125EST			0	0			Hail (1.00)
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### **Florence County**

Lake City	22	2150EST			0	0			Thunderstorm Wind (G50)
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NUMEROUS TREES DOWN IN LAKE CITY

### **Williamsburg County**

Hemingway	22	2200EST			0	0	5K		Thunderstorm Wind (G60)
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ROOF DAMAGE, NUMEROUS TREES AND POWER LINES DOWN

### **Horry County**

Jordanville to Shell	22	2209EST 2214EST			0	0			Hail (1.75)
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### **Marion County**

Gresham	22	2220EST 2222EST			0	0			Hail (1.00)
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### **Williamsburg County**

Indiantown	22	2230EST			0	0			Thunderstorm Wind (G50)
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NUMEROUS TREES AND POWER LINES DOWN

### **Williamsburg County**

Nesmith	22	2230EST			0	0	3K		Thunderstorm Wind (G50)
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TREES DOWN ON CAR

### **Horry County**

Conway	22	2225EST 2235EST	0.3	20	0	1	20K		Tornado (F1)
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ONE INFANT HOSPITALIZED TO HAVE SPLINTERS REMOVED, TWO HOUSES SUFFERED DAMAGE FROM FALLEN TREES, NUMEROUS POWER LINES DOWN

### **Georgetown County**

Plantersville	22	2240EST 2242EST			0	0			Hail (1.00)
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## SOUTH CAROLINA, Northwest

### **Oconee County**

Long Creek	21	2228EST 2238EST			0	0			Hail (2.25)
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### **Oconee County**

4 NW Walhalla to 4 W Walhalla	21	2228EST 2238EST			0	0			Hail (1.00)
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### **Oconee County**

1 W Walhalla	21	2228EST 2238EST			0	0			Hail (1.00)
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### **Oconee County**

Seneca	21	2314EST 2324EST			0	0			Hail (0.75)
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### **Pickens County**

Liberty	21	2329EST 2339EST			0	0			Hail (1.00)
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# Storm Data and Unusual Weather Phenomena

April 1997

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

## SOUTH CAROLINA, Northwest

<b>Greenville County</b> 2 W Simpsonville	21	2355EST 2359EST			0	0			Hail (0.75)
Large hail fell from severe thunderstorms over the western part of the Upstate. Oconee county was especially hard hit with several different storms producing hail. Damage reports, including any losses to the apple crop, were not available at the time of the writing.									
<b>Abbeville County</b> Calhoun Falls	22	1440EST 1450EST			0	0			Hail (0.75)
<b>Abbeville County</b> Abbeville	22	1457EST 1507EST			0	0			Hail (0.75)
<b>Laurens County</b> 2.5 SE Clinton	22	1540EST 1550EST			0	0			Hail (0.75)
<b>Union County</b> 2 S Union	22	1610EST 1620EST			0	0			Hail (0.75)
<b>Union County</b> 2 E Carlisle	22	1615EST 1625EST			0	0			Hail (1.00)
<b>Laurens County</b> Maddens	22	1859EST 1909EST			0	0			Hail (1.00)
<b>Laurens County</b> .5 N Cold Pt	22	1900EST 1910EST			0	0			Hail (1.00)
<b>Laurens County</b> Laurens Co Arpt	22	1905EST 1915EST			0	0			Hail (0.75)
<b>Laurens County</b> Ekorn	22	1912EST 1922EST			0	0			Hail (1.75)
Severe thunderstorms erupted during the afternoon in the piedmont, and then additional severe storms crossed the Savannah River from Georgia during the early evening. Damage was reportedly most significant in Laurens county, but dollar amounts were not available.									
<b>Oconee County</b> Fair Play	28	1643EST			0	0			Hail (1.75)
<b>Anderson County</b> Townville	28	1651EST			0	0			Hail (1.75)
<b>Oconee County</b> Seneca	28	1700EST 1710EST			0	0			Hail (0.88)
<b>Pickens County</b> Clemson	28	1705EST 1715EST			0	0			Hail (0.75)
<b>Anderson County</b> Anderson	28	1710EST 1720EST			0	0			Hail (1.75)
<b>Laurens County</b> Waterloo	28	1830EST 1835EST			0	0			Thunderstorm Wind (G50)
<b>Laurens County</b> 1 N Clinton	28	1900EST 1905EST			0	0	5K		Thunderstorm Wind (G50)
<b>Union County</b> Buffalo	28	1930EST 1935EST			0	0	2K		Thunderstorm Wind (G50)
<b>York County</b> 7 E Clover	28	2007EST 2017EST			0	0			Hail (0.75)

Severe thunderstorms dropped hail in the western part of the upstate early and then developed damaging winds later in the evening.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## SOUTH CAROLINA, Northwest

Cars were damaged along I-85 and at the Anderson Mall by the hail (dollar amount unknown). Power lines were downed by the wind at Waterloo, three trees were blown down near Clinton, and several trees were downed at Buffalo. One of the trees fell on a moving car, but the occupants escaped injury.

**SCZ001>014-019**

**Northern Oconee - Northern Pickens - Northern Greenville - Southern Oconee - Southern Pickens - Southern Greenville - Spartanburg - Cherokee - York - Anderson - Abbeville - Laurens - Union - Chester - Greenwood**

**01 0000EST 0 0 Cold**

Several cold snaps following the relatively mild late winter caused low temperatures to dip into the 20s and 30s, likely causing some damage to area crops.

## SOUTH CAROLINA, South Coastal

**Allendale County**

**Allendale**

**23 0045EST  
0050EST**

**0 0**

**Thunderstorm Wind (G50)**

Roof blown off of a house and trees down.

**Dorchester County**

**1 W St George to  
.5 W St George**

**22 2350EST  
2355EST**

**0.5 25**

**0 0**

**30K 1K Tornado (F1)**

ROOF PARTIALLY TAKEN OFF TRAILER AND SEVERAL TREES UPROOTED.

## SOUTH DAKOTA, Central and North

**SDZ006-018**

**Brown - Spink  
01 0000CST  
30 2359CST**

**0 0**

**Flood**

Flooding on the James River from the meltdown of the record to near record winter snowpack and some ice jamming continued throughout April. Record flooding occurred at all locations through April where the river was as much as 6 to 13 feet above flood stage. Considering how flat the James Basin is, a rise of a foot can spread out and take up alot of land.

Flood stage 1 mile west of Columbia is 11 feet, record stage was 18.1 feet on 4/24, flood stage 1 mile south of Columbia is 13 feet, record stage was 19.1 feet on 4/18, flood stage 7 miles southwest of Stratford is 14 feet, record stage was 25.8 feet, flood stage at Ashton is 13 feet, record stage was 26.1 feet on 4/4, and 3 miles northeast of Redfield, flood stage is 20 feet, record stage was 30.3 feet on 4/4.

The James River widened to nearly three-quarters of a mile in some locations. Numerous county and township roads were flooded and closed with many roads receiving extensive damage. Long detours occurred as a result of the flooding. Thousands of acres of farmland and pastureland were inundated by the river. As a result, large economic losses were incurred from the inability to plant many of these acres. Several farmhouses and outbuildings were surrounded by water and were inaccessible. Some evacuations took place as result of the rising river, especially in Spink county. Some homes were completely flooded in and near Frankfort. On April 17th, the levee guarding Tacoma Park on the James River gave way resulting in evacuations and the flooding of several homes. The James River also threatened Claremont and at the Sand Lake National Wildlife Refuge on the James River near Columbia, the water level broke records set in 1969. As a result of this years flooding and previous years, a countless number of trees have died along the James from being submerged.

**SDZ003>011-015>023-  
033>037-045-048-051**

**Corson - Campbell - Mcpherson - Brown - Marshall - Roberts - Walworth - Edmunds - Day - Dewey - Potter - Faulk - Spink - Clark - Codington - Grant - Hamlin - Deuel - Stanley - Sully - Hughes - Hyde - Hand - Jones - Lyman - Buffalo**

**01 0000CST  
30 2359CST**

**0 0**

**Flood**

Late March flooding from the meltdown of the near record to record snowpack continued across parts of central and north central South Dakota and most of northeast South Dakota through the month of April. Much of the snowpack across northeast South Dakota melted in the first week of April. The massive amount of water flooded hundreds of sections of county and township roads as well as many state and federal highways. The inundated sections of roads were either broken up or washed out. Hundreds of culverts were blown out or damaged and many bridges were either damaged or washed out by chunks of ice and the highwater flow. Thus, road closures were extensive with rerouting taking place for the majority of people, especially school buses, mail carriers, farmers, and ranchers. Some people had to drive many miles out of their way to reach their destination and mail carriers would only deliver to accessible farms. For some counties, this was the most extensive damage ever done to their road system.

Many spillways and dams received some damage or were washed out. Also, thousands of acres of farmland and pastureland were underwater. Many of those acres of farmland were not planted at all or there were significant delays in planting. High groundwater continued to result in a countless number of homes with water in their basements. Also, many sewer and drinking water systems were threatened, damaged, or had to be shutdown because of the highwater.

In rural areas, especially in northern South Dakota east of the Missouri River, several homes were surrounded by water and were

# Storm Data and Unusual Weather Phenomena

April 1997

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

## SOUTH DAKOTA, Central and North

inaccessible, leaving some people stranded and livestock marooned. Also, several residences and businesses across the area were flooded and significantly damaged. The cities of Hecla, Claremont, and Willow Lake experienced major flooding with evacuations taking place.

Most railroads across the area were significantly affected where trains had to move along at tip-toe pace over soggy railbeds while rail links to some towns were severed due to washouts. The communities mainly affected were Redfield, Claremont, Amherst, Britton, Sisseton, Milbank, Pierre, Blunt, Tulare, and Aberdeen.

Many long-term residences said this was the worst flooding they had seen in their lifetimes. Little precipitation through mid to late April allowed for a significant reduction in the flooding. Although, much of the area remain flooded into May. The total damage estimate for the March and April flooding which included road damage, home damage, sewer and water system damage, was 35 million.

**SDZ006**

**Brown**

01	0000CST	0	0		Flood
04	1500CST				

Late March flooding from snowmelt runoff and ice jamming continued on the Elm River into early April. After a crest of 21.5 feet on the 30th of March the Elm River at Westport dropped below flood stage the afternoon of the 4th. Flood stage at Westport is 14 feet. Most of the town of Westport was flooded in late March continuing into early April with most homes receiving major damage. Most of the town of Westport was evacuated in late March along with the town of Ordway.

**SDZ018**

**Spink**

01	0000CST	0	0		Flood
30	2359CST				

Late March flooding from the meltdown of the near record to record snowpack continued on Turtle Creek throughout April. The stage of Turtle Creek at Redfield began the month at around 16 feet falling to around 8 feet by the end of April. Flood stage at Redfield is 7 feet. The record flooding on Turtle Creek in the late March resulted in the evacuation of sixteen homes in Redfield in the subdivisions of Vinegar Flats, Behula Park, and around Redfield Lake. Several of the homes were flooded and some were significantly damaged.

**SDZ006**

**Brown**

01	0000CST	0	0		Flood
15	1500CST				

Late March flooding on the Mocassin Creek from backwater from the Elm River and snowmelt continued into the middle of April. A portion of the Prariewood subdivision north of Aberdeen continued to flood into early April as numerous homes received significant damage. Mocassin Creek rose nearly four feet through the city of Aberdeen flooding some low-lying areas, a few buildings, and parts of a recreation trail.

**SDZ020-022**

**Codington - Hamlin**

01	1500CST	0	0		Flood
28	1200CST				

Runoff from the meltdown of the near record to record snowpack, ice jamming, and heavy rains of 1 to 2 inches on April 5th resulted in record flooding on the Big Sioux River. A significant portion of southwest Watertown was flooded with extensive damage to many homes with most people evacuated. The Big Sioux River and Lake Kampeska flooding was Watertown's greatest disaster in history. The river flooded many acres of farmland, pastureland, and damaged roads through both counties and also damaged some homes near Castlewood.

The Big Sioux River, 7 miles northwest of Watertown, rose above the flood stage of 10 feet on 4/1, to a record stage of 12.1 feet on 4/6. The Big Sioux River, just northwest of Castlewood, rose above the flood stage of 11 feet on 4/1, to a record stage of 13.1 feet on 4/7. The Big Sioux dropped below flood stage northwest of Watertown on 4/7 and did not drop below flood stage northwest of Castlewood until 4/28.

**SDZ003>011-015>023-033>037-045-048-051**

**Corson - Campbell - Mcpherson - Brown - Marshall - Roberts - Walworth - Edmunds - Day - Dewey - Potter - Faulk - Spink - Clark - Codington - Grant - Hamlin - Deuel - Stanley - Sully - Hughes - Hyde - Hand - Jones - Lyman - Buffalo**

04	2000CST	0	0		Icestorm/Blizzard
06	2200CST				

Before the icestorm and blizzard, an intense area of low pressure brought widespread rain to central and north central South Dakota the evening of the 4th. The rain spread across northeast South Dakota through the morning hours of the 5th. The 1 to 3 inches of rainfall only worsened the flood situation. As the low pressure intensified and a powerful cold front swept southeast, the rain changed to freezing rain, sleet, and then snow with 4 to 12 inches of snowfall. North winds increased to 40 to 60 mph with gusts to 70 mph causing widespread blizzard conditions. Temperatures dropped into the teens and 20s and wind chills fell to 15 to 30 below. Snowdrifts were from 3 to 10 feet across the area. Travel became nearly impossible as roads were either flooded, drifted, or iced over. Many roads were closed including, parts of Interstates 29 and 90.

Hours and hours of freezing rain and the ice buildup brought down many power lines and poles resulting in widespread power outages in a 50 mile wide band across northern South Dakota. The power was knocked out for many communities from late on the



# Storm Data and Unusual Weather Phenomena

April 1997

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

## SOUTH DAKOTA, Central and North

5th until Monday the 7th, leaving many people struggling to keep warm. Most people had power restored by late on the 8th except for the town of Hillsview, where they were without power for a week. Temperatures dropped to 20 degrees inside some homes. Some people used everything from candles to grilling to keep warm, while many went to shelters. Nearly thirty communities, thousands of people, across northern South Dakota from Keldron to Summit experienced power outages along with the surrounding rural areas. For one electric cooperative, at 3 am on the 6th, not one consumer in the service area in Dewey and Corson county had power. This was the first time this occurred in 30 years. Also, this icestorm and blizzard had caused the most damage to lines and poles in 30 years. Many trees and branches were also brought down by the storm.

The area's calf crop was devastated by the storm with total livestock losses nearing 100,000. With several months of severe winter weather and flooding, several dairy and cattle producers were forced out of business. Many schools were called off across the area on Monday and some on Tuesday. President Clinton declared the area a major disaster on April 7th. Some snowfall amounts included, 4 inches at Aberdeen, Redfield, Clear Lake, and Murdo, 5 inches at Britton and Bryant, 6 inches at Iona and Gettysburg, 7 inches at Watertown, Gann Valley and Onida, 8 inches at Clark, Wilmot, Pollock, Mobridge, and Pierre, 9 inches at Webster, Sand Lake NWR, Miller, Onaka, and Timber Lake, 10 inches at Leola, Eureka, Sisseton, and Selby, 11 inches at 22 SSW Keldron, and 12 inches at Roscoe. The total damage estimate for this icestorm and blizzard on rural electric coops and livestock producers was 55 million.

**SDZ020**

**Codington**

05	0900CST	0	0		<b>Flood</b>
30	2359CST				

Snowmelt from record to near record snowpack and heavy rain of 1 to 2 inches on April the 5th caused Lake Kampeska, northwest of Watertown, to rise to 6 feet overfull flooding most homes around Lake Kampeska. Also, the Big Sioux River flooded a large part of southwest Watertown. As a result, 5000 people or one-quarter of the town's population had to be evacuated from the area and put into shelter. Much of the water and sewer system had to be shutdown. Damage to the homes around the lake and in southwest Watertown was extensive. The rain changed over to snow late on the 5th and a raging blizzard ensued through the 6th as people continued to sandbag to save their property. Most of Lake Kampeska residents returned on April 10th. The lake remained above full through the end of the month and continued to flood much of the property.

**SDZ022**

**Hamlin**

05	1000CST	0	0		<b>Flood</b>
30	2359CST				

Near record to record snowmelt runoff and heavy rains of 1 to 2 inches on April 5th combined to bring Lake Poinsett to a record 6 feet overfull on April 18th. Over 100 cabins, homes, and businesses around the lake became inundated with extensive damage done to most. Extensive sandbagging was done to save property. Periods of strong winds through the end of April combined with debris in the Lake, railroad ties, propane tanks, etc, resulted in broken windows and doors on some of the cabins on the Lake.

**SDZ008-021**

**Roberts - Grant**

05	1000CST	0	0		<b>Flood</b>
30	2359CST				

Near record to record snowmelt and heavy rains of 1.5 to 2.5 inches on April 5th brought Lake Traverse and Big Stone Lake to record levels. Big Stone Lake rose to 975.15 feet above sea level, 2 feet over the old record in 1952. The rising lake threatened to breach the Big Stone Dam. Many people were evacuated as a result. Hundreds of people worked around the clock filling sandbags to fortify the dam. As both Big Stone Lake and Lake Traverse rose, many homes, resorts, businesses, and personal property were flooded. As a result, there was extensive damage. On April 28th, the town of White Rock was evacuated as eight inches of water covered the town and many evacuations occurred around the lakes.

**SDZ034-036**

**Sully - Hyde**

05	2100CST	0	0		<b>Extreme Cold</b>
12	2359CST				

## SOUTH DAKOTA, Southeast

**SDZ038>040-050-052>071**

**Beadle - Kingsbury - Brookings - Gregory - Jerauld - Sanborn - Miner - Lake - Moody - Brule - Aurora - Davison - Hanson - Mccook - Minnehaha - Charles Mix - Douglas - Hutchinson - Turner - Lincoln - Bon Homme - Yankton - Clay - Union**

01	0000CST	0	0		<b>Flood</b>
30	2359CST				

Snowmelt flooding continued from March. Major flooding occurred on rivers and streams, including record flooding along the James River. Crests on the James and Big Sioux Rivers occurred from April 3rd through April 9th. Flooding also occurred on lakes and lowlands. Many roads were covered and damaged by the flooding, hampering transportation. Many homes and other buildings were flooded, and basements flooded from groundwater seepage. Farmland affected by the flooding continued to be in the hundreds of thousands of acres. Communities severely affected by the flooding included Davis, Spencer, Dell Rapids, Baltic, and Renner. The magnitude of damage was estimated to be many millions of dollars, but more specific estimates were not available because of the long term economic nature of much of the damage, especially to farmland.

# Storm Data and Unusual Weather Phenomena

April 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

## SOUTH DAKOTA, Southeast

**SDZ038>040-050-052>071**     **Beadle - Kingsbury - Brookings - Gregory - Jerauld - Sanborn - Miner - Lake - Moody - Brule - Aurora - Davison - Hanson - Mccook - Minnehaha - Charles Mix - Douglas - Hutchinson - Turner - Lincoln - Bon Homme - Yankton - Clay - Union**

**06**     **0700CST**     **0**     **0**     **240K**     **High Wind (G63)**  
**1700CST**

Widespread high winds, gusting as high as 72 mph, blew down trees and signs, tore off shingles, and caused additional scattered damage to structures. The winds aggravated ongoing flooding in some areas. The high winds were accompanied by 1 to 3 inches of snow, reducing visibility in blowing snow.

**SDZ050-057>061-063>066-068>069**     **Gregory - Brule - Aurora - Davison - Hanson - Mccook - Charles Mix - Douglas - Hutchinson - Turner - Bon Homme - Yankton**

**09**     **1900CST**     **0**     **0**     **Heavy Snow**  
**10**     **1500CST**

Snowfall of 6 to 12 inches occurred within a large area of lesser snowfall. The greatest accumulation of 12 inches was reported at Burke in Gregory County.

## SOUTH DAKOTA, West

**SDZ001>002-012>014-024>026-028>032-042>044-046>047-049**     **Harding - Perkins - Butte - Meade Co. Plains - Ziebach - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Central Black Hills - Southern Black Hills - Custer Plains - Pennington Plains - Haakon - Shannon - Jackson - Bennett - Mellette - Todd - Tripp**

**05**     **0000MST**     **0**     **0**     **50M**     **Blizzard**  
**06**     **2000MST**

Snowfall of 1 to 2 feet was common over the northern Black Hills and northwest plains of South Dakota with 6 to 12 inches reported elsewhere. Maximum snowfall was 34 inches at Lead. Drifts of 5 to 15 feet developed as sustained winds over 45 mph with frequent gusts over 60 mph ripped across the area for nearly 24 hours. Peak winds included 71 mph at Ellsworth AFB, 69 mph at Rapid City, 70 mph at Buffalo, and 67 mph at Winner. Almost all roads were blocked or closed and other forms of travel were impossible. Travel was banned in most areas and many emergency response activities were made impossible. Widespread power outages occurred. East of the Black Hills, the problems were compounded by the heavy rain and sleet that fell before the blizzard developed. Hardest hit by the blizzard were ranchers who suffered major livestock losses as calving season was underway.

**Meade County**  
**3 E Plainview**

**30**     **1940MST**     **0**     **0**     **Hail (0.75)**  
 3/4 inch hail covered the ground.

**SDZ013-024-026>032-041>044-046>047-049**     **Meade Co. Plains - Northern Black Hills - Central Foot Hills - Southern Foot Hills - Central Black Hills - Southern Black Hills - Custer Plains - Pennington Plains - Haakon - Fall River Co. - Shannon - Jackson - Bennett - Mellette - Todd - Tripp**

**09**     **1200MST**     **0**     **0**     **Winter Storm**  
**10**     **1800MST**

A late season storm produced snow from the Black Hills through South Central South Dakota. The greatest amounts occurred in a 40 mile wide swath generally along and south of Interstate 90. Snowfall amounts include 9 inches at Rapid City, 12 inches at Deerfield, 10 inches at Custer, 11 inches at Mission, and 12 inches at Winner. Outside this swath, snowfall generally ranged from 3 to 6 inches.

## TENNESSEE, Central

**Cannon County**

**19**     **1448CST**     **0**     **0**     **Hail (0.88)**  
**Woodbury**

**Warren County**

**19**     **1510CST**     **0**     **0**     **Hail (0.75)**  
**Centertown**  
 Sheriff's office reported dime size hail.

**Rutherford County**

**19**     **1520CST**     **0**     **0**     **Hail (0.88)**  
**12 SE Murfreesboro**  
 Nickel size hail covered the ground.

**Sequatchie County**

**19**     **1618CST**     **0**     **0**     **Hail (0.75)**  
**Dunlap**  
 SKYWARN Spotter reported dime size hail covering the ground.

**Sequatchie County**

**19**     **1620CST**     **0**     **0**     **Hail (1.00)**  
**Dunlap**  
 Quarter size hail was reported.

**Lawrence County**

**19**     **1710CST**     **0**     **0**     **Hail (0.88)**  
**Ethridge**  
 SKYWARN Spotter reported nickel size hail.  
 Sheriff's office reported nickel size hail.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>TENNESSEE, Central</u></b>									
<b>Hickman County</b> 8 S Centerville	21	0330CST			0	0	100K		Lightning
									Lightning caused a fire that destroyed 2 sawmill buildings at Freeman's Wood Products, Inc.
<b>Davidson County</b> Forest Hills	21	0600CST			0	0	100K		Lightning
									A lightning strike started a fire and severely damaged a Forest Hill home.
<b>Bedford County</b> Northern Sections	21	1240CST			0	0			Hail (0.75)
									Local law enforcement reported penny size hail.
<b>Rutherford County</b> Fosterville	21	1240CST			0	0			Hail (0.75)
									Local law enforcement reported 2 inches of penny size hail on the ground.
<b>Bedford County</b> Fairfield	21	1310CST 1330CST			0	0	50K		Hail (1.25)
									Half dollar size hail reported just west of Fairfield on Fairfield Pike. It lasted for about 20 minutes and caused substantial damage to vehicles and homes. One person received \$3200 worth of damage to a new car.
<b>Wayne County</b> Waynesboro	21	1335CST			0	0			Hail (0.75)
									Sheriff's office reported dime size hail.
<b>Bedford County</b> Bell Buckle	21	1358CST			0	0			Hail (0.88)
									Local law enforcement reported dime to nickel size hail.
<b>Bedford County</b> Deason	21	1358CST			0	0			Hail (0.88)
									Local law enforcement reported dime to nickel size hail.
<b>Bedford County</b> Fairfield	21	1358CST			0	0			Hail (0.88)
									Local law enforcement reported dime to nickel size hail.
<b>Bedford County</b> Wartrace	21	1358CST			0	0			Hail (0.88)
									Local law enforcement reported dime to nickel size hail.
<b>Marshall County</b> Chapel Hill	21	1400CST			0	0			Hail (0.88)
									SKYWARN Spotter reported nickel size hail.
<b>Lewis County</b> Hohenwald	21	1415CST 1450CST			0	0			Hail (0.75)
									Marble to dime size hail reported near Hohenwald from 1415 to 1450 CST. It hailed on and off during that time period.
<b>Warren County</b> Mc Minnville	21	1415CST			0	0			Hail (1.00)
									Local law enforcement reported quarter size hail.
<b>Wayne County</b> Waynesboro	21	1415CST			0	0			Hail (0.75)
									Local law enforcement reported dime size hail.
<b>Coffee County</b> 2 E Summitville	21	1430CST			0	0			Hail (0.88)
									EMA director reported nickel size hail along HWY 55.
<b>Lawrence County</b> Summertown	21	1450CST 1630CST			0	0			Flash Flood
									Highway department reported high water on roads, especially Route 20.
<b>Lewis County</b> Hohenwald	21	1450CST 1630CST			0	0			Urban/Sml Stream Fld
									Emergency management official reported urban street flooding all over town.
<b>Wayne County</b> Waynesboro	21	1450CST			0	0			Hail (0.75)
									Local law enforcement reported dime size hail.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TENNESSEE, Central</b>									
<b>Putnam County</b> Monterey	21	1455CST			0	0			Hail (0.88)
		Cooperative Weather Observer reported nickel size hail.							
<b>Bedford County</b> Bell Buckle	21	1530CST 1630CST			0	0			Flash Flood
		The highway department reported mud from high waters on roads.							
<b>Bedford County</b> Wartrace	21	1530CST 1630CST			0	0			Flash Flood
<b>Warren County</b> Mc Minnville	21	1530CST 1630CST			0	0			Flash Flood
		Highway 56 southbound from McMinnville had one lane closed due to high water. The water was up to vehicle bumpers. The report was relayed by sheriff's office.							
<b>Lawrence County</b> Lawrenceburg	21	1620CST			0	0			Hail (0.75)
		Dime size hail just west of Lawrenceburg.							
<b>Giles County</b> Pulaski	21	1630CST			0	0			Hail (1.00)
		Lincoln county sheriff's office reported quarter size hail at Pulaski.							
<b>Lawrence County</b> Lawrenceburg	21	1636CST			0	0			Hail (1.00)
		Dime to quarter size hail reported just southeast of Lawrenceburg.							
<b>Lawrence County</b> 1 SE Lawrenceburg Arpt	21	1637CST			0	0			Hail (1.00)
		Lawrence county spotter coordinator reported quarter size hail at New Prospect.							
<b>Giles County</b> 3 N Minor Hill	21	1715CST			0	0	25K		Hail (1.75)
		The Citizen-Pulaski newspaper reported golf ball size hail struck the area and caused damage to cars and roofs. One home had a hole in the roof due to the hail storm. The hardest hit area was on Pleasant Ridge Road.							
<b>Lincoln County</b> Prospect	21	1720CST			0	0			Thunderstorm Wind (G50)
		The Elk Valley Times newspaper reported trees were blown down just north of Prospect.							
<b>Lawrence County</b> Loretto	21	1727CST			0	0			Hail (0.88)
		Nickel size hail reported.							
<b>Lawrence County</b> St Joseph	21	1727CST			0	0			Hail (0.88)
		Nickel size hail reported.							
<b>Lawrence County</b> St Joseph	21	1730CST			0	0			Hail (0.88)
		Nickel to quarter size hail covering the ground just east of St. Joseph.							
<b>Moore County</b> 7 NNE Lynchburg	22	1500CST			0	0	50K		Lightning
		Lightning struck a 130-year-old red oak tree. Chunks of wood weighing as much as 175 pounds flew about 50 yards. One large piece of wood was embedded in a tail light of a car. The lightning followed the trees roots digging a trench almost 3 feet deep into and under the house. Flying wood damaged the house and a total of 3 cars.							
<b>Stewart County</b> Bumpus Mills	30	2005CST			0	0			Hail (0.75)
		Weather spotter reported dime size hail.							
<b>Montgomery County</b> Woodlawn	30	2025CST			0	0			Hail (0.88)
		Weather spotter reported nickel size hail.							
<b>Montgomery County</b> 2 S Ft Campbell	30	2033CST			0	0			Hail (0.75)
		Dime size hail reported by weather spotter.							

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>TENNESSEE, East</u></b>									
<b>Union County</b>									
N Of Maynardville	12	1816EST			0	0			Hail (0.75)
<b>Anderson County</b>									
Ne Of Norris	12	1820EST			0	0			Hail (0.75)
<b>Claiborne County</b>									
Countywide	12	1830EST			0	0			Hail (1.00)
<b>Hawkins County</b>									
W Of Church Hill	12	1945EST			0	0			Hail (0.75)
<b>Hamilton County</b>									
Mowbray	19	1738EST			0	0			Hail (0.75)
			A severe thunderstorm left 3/4 inch hail 2 inches deep on the ground.						
<b>Anderson County</b>									
Clinton	21	1526EST			0	0			Hail (0.75)
<b>Knox County</b>									
Ne Part Of County	21	1550EST			0	0			Hail (0.75)
<b>Fentress County</b>									
Countywide	21	1420CST			0	0			Hail (1.00)
<b>Morgan County</b>									
Burrville/Sunbright	21	1645EST			0	0			Hail (1.75)
<b>Scott County</b>									
Robbins	21	1705EST			0	0			Hail (1.00)
<b>Rhea County</b>									
Dayton	21	1745EST			0	0			Hail (1.25)
<b>Meminn County</b>									
Riceville	21	1825EST			0	0			Hail (1.75)
			Funnel clouds were reported with this storm. However there were no confirmed touchdowns.						
<b>Monroe County</b>									
Madisonville	21	1855EST			0	0			Hail (0.75)
<b>Bradley County</b>									
Cleveland	21	1905EST			0	0			Hail (1.00)
<b>Hamilton County</b>									
Soddy Daisy	21	1856EST			0	0		5K	Thunderstorm Wind
			A severe thunderstorm knocked down trees in the town of Soddy Daisy.						
<b>Polk County</b>									
Delano	21	1925EST			0	0			Hail (1.00)
<b>Bradley County</b>									
Cleveland/Charleston	21	1920EST			0	0			Hail (1.00)
<b>Hamilton County</b>									
Lookout Mtn	28	1425EST			0	0			Hail (0.75)
<b>Greene County</b>									
4 W Greeneville	28	1715EST			0	0			Hail (1.25)
<b>Knox County</b>									
Countywide	21	1640EST			0	0			Flash Flood
			Heavy rain over several hours resulted in flash flooding. Parts of I-40 were underwater.						
<b>TNZ042&gt;043</b>			<b>Northwest Greene - Southeast Greene</b>						
	28	1715EST			0	0			Flood
	29	1200EST							
			Training of heavy rain resulted in widespread flooding throughout the county. Many roads were impassable. Many creeks and streams were out of their banks.						
<b><u>TENNESSEE, West</u></b>									
<b>Mcnairy County</b>									
Chewalla	19	1820CST 1825CST			0	0	0.01K		Hail (0.75)
<b>TNZ002</b>									
	26	2100CST			0	0	0.15K		High Wind
			A wake low developed behind an line of thunderstorms that moved through Arkansas and west Tennessee. The low produced strong winds that knocked down a tree and some tree limbs in Union City.						

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>TENNESSEE, West</u></b>									
<b>Weakley County Martin</b>	30	1917CST 1922CST			0	0	25K		<b>Thunderstorm Wind</b>
									A convenience store lost the padding from its building. Numerous large trees limbs were knocked down. Some phone lines were downed as well.
<b>Weakley County Martin</b>	30	1920CST 1935CST			0	0	1K		<b>Hail (1.75)</b>
<b>Henry County Cottage Grove</b>	30	1958CST 2003CST			0	0	0.10K		<b>Hail (1.00)</b>
<b>Fayette County Hickory Withe</b>	30	2000CST 2005CST			0	0	5K		<b>Thunderstorm Wind</b>
									Numerous trees were blown down blocking a few roads.
<b>Fayette County Oakland to Rossville</b>	30	2007CST 2015CST			0	0	0.02K		<b>Hail (0.75)</b>
<b>Madison County 1 NW Fairview</b>	30	2020CST 2025CST			0	0	0.01K		<b>Hail (0.75)</b>
<b>Chester County Henderson</b>	30	2045CST 2055CST			0	0	0.01K		<b>Hail (0.75)</b>
<b>Chester County Henderson</b>	30	2045CST 2055CST			0	0	1K		<b>Thunderstorm Wind</b>
									Several power lines were blown down.
<b>Hardeman County Silerton</b>	30	2049CST 2050CST			0	0	0.01K		<b>Hail (0.75)</b>
<b>Henry County Puryear to Springville</b>	21	0030CST 0050CST			0	0	5K		<b>Thunderstorm Wind</b>
									A carport was blown into a tree. Several trees and power poles were blown down.
<b><u>TEXAS, Central</u></b>									
<b>Mitchell County 5 S Westbrook</b>	11	0153CST			0	0			<b>Hail (0.75)</b>
<b>Nolan County Nolan</b>	11	0255CST			0	0			<b>Hail (0.75)</b>
<b>Runnels County Wingate</b>	11	0430CST			0	0			<b>Thunderstorm Wind (G52)</b>
									Strong to intense thunderstorms crossed the Big Country just ahead of a fast moving cold front. A sharp 20-degree drop and gusty north winds occurred with the passage of the front. The thunderstorms produced hail up to quarter size and winds to 60 mph.
<b>Fisher County Roby</b>	11	0215CST			0	0			<b>Hail (0.75)</b>
<b>Mitchell County Colorado City</b>	16	1946CST			0	0			<b>Hail (1.25)</b>
<b>Nolan County 1 E Roscoe</b>	16	2104CST			0	0			<b>Hail (1.00)</b>
<b>Nolan County Sweetwater</b>	16	2113CST			0	0			<b>Hail (1.00)</b>
<b>Fisher County 6 S Longworth</b>	16	2145CST			0	0			<b>Hail (1.00)</b>
<b>Taylor County Trent</b>	16	2205CST			0	0			<b>Hail (0.75)</b>
<b>Nolan County Nolan</b>	16	2220CST			0	0			<b>Hail (0.75)</b>

# Storm Data and Unusual Weather Phenomena

April 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>TEXAS, Central</u></b>									
<b>Mcculloch County</b>									
Brady	20	1800CST			0	0	250K	0	Thunderstorm Wind
									Winds blew trees onto power lines in Brady. About three quarters of the town was without power.
<b>San Saba County</b>									
8 E San Saba	20	1820CST			0	0			Hail (2.00)
<b>San Saba County</b>									
3 E San Saba	20	1902CST			0	0			Hail (1.25)
<b>San Saba County</b>									
Bend	20	1923CST			0	0			Hail (1.75)
<b>Mason County</b>									
Mason	20	1810CST			0	0			Hail (0.75)
<b>Nolan County</b>									
Maryneal	22	2346CST			0	0			Thunderstorm Wind (G52)
<b>Schleicher County</b>									
5 N Eldorado	25	0450CST			0	0			Hail (0.75)
<b>Schleicher County</b>									
8 W Eldorado	25	0625CST			0	0	25K	0	Thunderstorm Wind
									Winds blew down large tree branches.
<b>Runnels County</b>									
5 N Ballinger	04	1132CST			0	0			Hail (0.75)
<b>Taylor County</b>									
Dyess Afb to Abilene	11	0325CST 0345CST			0	0			Hail (1.25)
									Hail fell over much of the Abilene metropolitan area but there was little damage.
<b>Taylor County</b>									
View	11	0410CST			0	0			Hail (0.75)
<b>Tom Green County</b>									
4 NW San Angelo	04	1104CST 1105CST	0.1	25	0	0			Tornado (F0)
<b>Concho County</b>									
Vick	25	0705CST			0	0			Hail (0.75)
<b>Tom Green County</b>									
4 S San Angelo	04	1100CST			0	0			Hail (0.80)
<b><u>TEXAS, Central Southeast</u></b>									
<b>Jackson County</b>									
Countywide	04	0330CST 0600CST			0	0	5K		Flash Flood
									Street flooding throughout the county. Rainfall rates 3-4"/hour.
<b>Wharton County</b>									
El Campo	04	0500CST 0645CST			0	0	50K		Flash Flood
									Street flooding throughout the county from 3-4"/hour rains. Many homes flooded in El Campo.
<b>Fort Bend County</b>									
Rosenberg	04	0600CST 0720CST			0	0	25K		Flash Flood
									Street flooding throughout county. A few houses flooded in Rosenberg.
<b>Harris County</b>									
Houston	04	0535CST 0930CST			0	0	5K		Flash Flood
									Street flooding in Houston.
<b>Houston County</b>									
2 N Lovelady	04	1350CST 1352CST	0.3	50	0	0	40K		Tornado (F1)
									Tornado destroyed barn just north of Lovelady. Poles cemented in the ground were uprooted and thrown several feet away.
<b>Houston County</b>									
Crockett	04	1405CST 1407CST	0.2	25	0	0	10K		Tornado (F0)
									Tornado blew down large trees and windows were blown out from flying debris.

# Storm Data and Unusual Weather Phenomena

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, Central Southeast</b>									
<b>Houston County</b> Latexo	04	1415CST 1417CST	0.3	35	0	0	40K		Tornado (F1)
									Tornado destroyed barn in Latexo.
<b>Houston County</b> 2 S Kennard	04	1430CST			0	0	5K		Thunderstorm Wind
									Trees blown down on FM 2781 just south of Kennard.
<b>Trinity County</b> 3 S Pennington	04	1430CST	0.1	20	0	0	5K		Tornado (F0)
									DPS reported tornado south of Pennington. Trees were blown down.
<b>Trinity County</b> Nogalus	04	1450CST	0.1	20	0	0			Tornado (F0)
									Sheriff reported tornado at Nogalus Prairie near Centralia. No damage confirmed.
<b>Burleson County</b> Chrisman	04	2037CST			0	0	10K		Thunderstorm Wind
									Trees down on CR 130 & CR 115 near Creisman. Tin shed destroyed and trees down on FM 975.
<b>Houston County</b> Countywide	04 05	2300CST 0045CST			0	0	5K		Flash Flood
									Street flooding throughout county.
<b>Harris County</b> Houston	05	0100CST			0	0	10K		Thunderstorm Wind
									Numerous reports of trees down in Houston relayed by Houston EOC.
<b>Wharton County</b> Wharton	11	0045CST			0	0	5K		Hail (0.75)
<b>Wharton County</b> Wharton	11	0128CST 0430CST			0	0	15K		Flash Flood
									Numerous reports of street flooding throughout the county. One house flooded in Wharton.
<b>TXZ211</b> Austin	11	0025CST 0050CST			0	0	10K		Gradient Wind
									Strong gradient winds blew powerlines and trees down in Bellville and throughout county.
<b>Wharton County</b> Pierce	11	0046CST			0	0	5K		Hail (0.75)
<b>Wharton County</b> 2 SE Wharton	11	0130CST 0132CST	0.2	25	0	0	20K		Tornado (F0)
									Tornado damaged farm utility buildings just southeast of Wharton. Many trees down in the Hobbins Oak Subdivision.
<b>Fort Bend County</b> Needville	11	0150CST 0430CST			0	0	15K		Flash Flood
									Homes flooded in Needville.
<b>Wharton County</b> Wharton	11	0145CST			0	0	5K		Hail (0.75)
<b>Wharton County</b> Pierce	11	0240CST			0	0	5K		Thunderstorm Wind (G55)
<b>Wharton County</b> 1 SW Pierce to Pierce	11	0250CST			0	0	15K		Thunderstorm Wind
									Wind destroyed garage 1 SW Pierce.
<b>Brazoria County</b> Manvel	11	0310CST 0610CST			0	0	5K		Flash Flood
									Street flooding in Manvel.
<b>Brazoria County</b> Manvel	11	0415CST 0417CST	0.2	25	0	0	25K		Tornado (F0)
									Tornado caused plane damage and a barn roof to be blown off in Manvel.



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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, Central Southeast</b>									
<b>Galveston County</b> Friendswood	11	0420CST			0	0	5K		Hail (0.75)
<b>Matagorda County</b> 5 N Bay City	11	0445CST			0	0	5K		Thunderstorm Wind
Numerous trees blown down in northern parts of the county.									
<b>Galveston County</b> Galveston	11	0445CST			0	0	10K		Hail (1.75)
Golfball hail on 51st St.									
<b>Galveston County</b> Algoa	11	0445CST			0	0	20K		Hail (3.00)
<b>Galveston County</b> Algoa	11	0445CST			0	0	5K		Thunderstorm Wind
Radio station reported cars blown off the road near Algoa.									
<b>Harris County</b> Houston	11	0500CST			0	0	5K		Thunderstorm Wind
Trees down on 200 block of Benbrook and road signs down on I-45.									
<b>Harris County</b> Clear Lake City	11	0500CST			0	0	2K		Thunderstorm Wind
Fence down and large limbs down in Clear Lake.									
<b>Galveston County</b> Galveston	11	0445CST 0715CST			0	0	5K		Flash Flood
Street flooding from training rains.									
<b>Brazoria County</b> 1 W Lake Jackson to Lake Jackson	11	0525CST			0	0	5K		Thunderstorm Wind
Trees down just west of Lake Jackson.									
<b>Brazoria County</b> 2 E Brazoria to Brazoria	11	0526CST			0	0	5K		Thunderstorm Wind
Trees down east of Brazoria on CR 332.									
<b>Wharton County</b> Countywide	11	0825CST 1145CST			0	0	10K		Flash Flood
Street, river, and creek flooding from 5-7" rains.									
<b>Harris County</b> Aldine	11	1510CST			0	0	5K		Hail (0.75)
<b>Harris County</b> Spring	11	1540CST			0	0	5K		Hail (1.00)
<b>Harris County</b> Houston	11	1620CST			0	0	5K		Hail (0.75)
0.75" hail at HWY 290 & HWY 6.									
<b>Harris County</b> Houston	11	1643CST			0	0	5K		Hail (0.75)
0.75" hail at HWY 290 & Bingle Rd.									
<b>Harris County</b> Aldine	11	1649CST			0	0	5K		Hail (0.75)
<b>Harris County</b> Houston	11	1654CST			0	0	5K		Hail (0.75)
0.75" hail at HWY 59 & Little York/Northpark/ and Beltway 8.									
<b>Harris County</b> Houston	11	1728CST			0	0	15K		Hail (1.75)
Golfball hail at I-10 and Federal Rd.									
<b>Chambers County</b> Cove	11	1822CST			0	0	10K		Hail (1.75)
<b>Harris County</b> Baytown	11	1815CST			0	0	50K		Hail (1.50)
1.5" hail at HWY 146 & Alexander Rd. in Baytown.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, Central Southeast</b>									
<b>Polk County</b>									
Ace	22	1145CST			0	0	5K		Hail (0.75)
<b>Polk County</b>									
Ace	22	1145CST			0	0	7K		Thunderstorm Wind
			Fire department radio tower blown down in Ace.						
<b>Wharton County</b>									
Pierce	25	0730CST			0	0	5K		Hail (0.75)
<b>Wharton County</b>									
1 W Wharton	25	0800CST			0	0	10K		Hail (1.75)
<b>Wharton County</b>									
Hungerford	25	0813CST			0	0	10K		Hail (1.75)
<b>Waller County</b>									
2 S Waller	25	0815CST			0	0	10K		Hail (1.75)
<b>Harris County</b>									
Katy	25	0845CST			0	0	5K		Hail (1.00)
<b>Waller County</b>									
Waller	25	0910CST			0	0	15K		Hail (3.00)
<b>Waller County</b>									
2 S Waller to Waller	25	0913CST			0	0	7K		Hail (1.75)
			Golfball hail along FM 363 just south of Waller.						
<b>Washington County</b>									
Washington	25	0925CST			0	0	5K		Hail (0.75)
<b>Montgomery County</b>									
Dobbin	25	1020CST			0	0	5K		Hail (0.75)
<b>Montgomery County</b>									
Dacus	25	1030CST			0	0	10K		Hail (2.00)
			2" hail in Dacus broke many car windshields.						
<b>San Jacinto County</b>									
Pointblank	25	1425CST			0	0	5K		Hail (0.88)
<b>Polk County</b>									
Onalaska	25	1431CST			0	0	5K		Hail (0.75)
<b>Trinity County</b>									
Groveton	25	1459CST			0	0	10K		Hail (1.50)
<b>Fort Bend County</b>									
Countywide	25	1500CST 1830CST			0	0	5K		Flash Flood
			Street, bayou, and creek flooding throughout county.						
<b>Brazoria County</b>									
Countywide	25	1500CST 2115CST			0	0	10K		Flash Flood
			5-7" rainfall amounts caused street, bayou, and creek flooding.						
<b>Galveston County</b>									
Countywide	25	1500CST 2100CST			0	0	10K		Flash Flood
			5-7" rainfall caused street, bayou, and creek flooding.						
<b>Harris County</b>									
Countywide	25	1500CST 2100CST			0	0	10K		Flash Flood
			5-7" rainfall caused street, bayou, and creek flooding.						
<b>Grimes County</b>									
Navasota	25	1540CST			0	0	5K		Thunderstorm Wind (G52)
			Trees blown down by 60 mph gusts in Navasota.						
<b>Polk County</b>									
Livingston	25	1650CST			0	0	5K		Hail (0.75)
<b>Chambers County</b>									
Countywide	25	2000CST 2330CST			0	0	5K		Flash Flood

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, Central Southeast</b>									
Street flooding throughout the county.									
Washington County Burton	26	2231CST			0	0	10K		Hail (1.75)
Burleson County 3 W Lyons	26	2250CST			0	0	10K		Hail (1.75)
Grimes County Plantersville	26	2310CST			0	0	5K		Hail (0.75)
Montgomery County 8 W Conroe	26	2330CST			0	0	5K		Thunderstorm Wind
Trees down in Lake Conroe Forest blocking Apache Rd.									
Walker County New Waverly	26	2350CST			0	0	5K		Hail (0.75)
San Jacinto County Pointblank	27	0020CST			0	0	10K		Hail (1.50)
Polk County Onalaska	27	0034CST			0	0	5K		Hail (1.00)
Trinity County 5 N Trinity	27	0130CST			0	0	5K		Thunderstorm Wind
Trees blown down 5 miles north of Trinity on HWY 19.									
Brazoria County West Columbia	27	0245CST			0	0	5K		Hail (1.00)
Galveston County Friendswood	27	0410CST			0	0	5K		Hail (1.00)
Galveston County Texas City	27	0400CST			0	0	5K		Thunderstorm Wind
Trees blown down in Texas City.									
Harris County Baytown	27	0355CST			0	0	5K		Hail (1.00)
Brazoria County Angleton	27	0435CST			0	0	5K		Hail (0.75)
Harris County Taylor Lake Vlg	27	0530CST			0	0	5K		Hail (0.88)
Brazoria County 4 NW Angleton	27	0723CST			0	0	5K		Hail (0.75)
Brazoria County Pearland	27	0747CST			0	0	5K		Hail (1.00)
Harris County Pasadena	27	0759CST			0	0	5K		Hail (0.75)
0.75" hail at Spencer HWY & HWY 3.									
Harris County Pasadena	27	0800CST			0	0	5K		Hail (0.75)
0.75" hail at Beamer & Beltway 8.									
TXZ213>214-236>238	<b>Harris - Chambers - Matagorda - Brazoria - Galveston</b>								
	25	1247CST			0	0	655K		Coastal Flood
	27	0209CST							
A strong easterly fetch off the Gulf produced coastal flooding along the upper Texas coast from April 25th-27th. The most extensive flooding/damage occurred from High Island to Jamaica Beach along the Gulf and the western shore of Galveston Bay. Tides ran between 2-4 feet above astronomically predicted levels. Beach erosion, road damage, and foundation damage were common especially in Galveston County due to the high waters. In Seabrook (Harris County), high waters on Toddville road made its way into approximately 12 homes and voluntary evacuation of the immediate bayfront was requested. Many residents lost fishing piers adjacent to their lots. Nassau Bay (Harris County), also reported roads flooded along the waterfront.									
Waller County Waller	25	1700CST 2000CST			0	0	5K		Flash Flood
Localized street flooding.									

# Storm Data and Unusual Weather Phenomena

April 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

## TEXAS, Extreme West

<b>TXZ055</b>	<b>El Paso</b>								
	<b>10</b>	<b>1300MST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G44)</b>
		<b>2000MST</b>							

A 60 foot portion of a wall at an El Paso shopping center blew down in synoptic-scale westerly winds which peaked at 51 mph at the El Paso International Airport. The shopping center is located in the northern part of the city, close to the eastern slopes of the Franklin Mountains. The proximity of the mountains just to the west of the shopping center likely enhanced the wind speeds in a localized area.

## TEXAS, Mid - South

<b>Nueces County</b>									
<b>Corpus Christi</b>	<b>02</b>	<b>1300CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Goliad County</b>									
<b>Goliad</b>	<b>02</b>	<b>1410CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Nueces County</b>									
<b>Corpus Christi</b>	<b>02</b>	<b>2045CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Webb County</b>									
<b>5 W Mirando City</b>	<b>02</b>	<b>2055CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Kleberg County</b>									
<b>Kingsville</b>	<b>02</b>	<b>2245CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Duval County</b>									
<b>Benavides</b>	<b>02</b>	<b>2250CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Duval County</b>									
<b>Realitos</b>	<b>02</b>	<b>2305CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Nueces County</b>									
<b>Corpus Christi</b>	<b>02</b>	<b>2320CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Nueces County</b>									
<b>Corpus Christi</b>	<b>02</b>	<b>2335CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Duval County</b>									
<b>San Diego</b>	<b>02</b>	<b>2340CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>San Patricio County</b>									
<b>Portland</b>	<b>02</b>	<b>2355CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Jim Wells County</b>									
<b>10 S Ben Bolt</b>	<b>03</b>	<b>0005CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Nueces County</b>									
<b>Corpus Christi</b>	<b>03</b>	<b>0009CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Nueces County</b>									
<b>Corpus Christi</b>	<b>03</b>	<b>0019CST</b> <b>0119CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Nueces County</b>									
<b>Corpus Christi</b>	<b>03</b>	<b>0025CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Nueces County</b>									
<b>Corpus Christi</b>	<b>03</b>	<b>0050CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Nueces County</b>									
<b>Robstown</b>	<b>03</b>	<b>0105CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>San Patricio County</b>									
<b>Ingleside</b>	<b>03</b>	<b>0120CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Aransas County</b>									
<b>Rockport</b>	<b>03</b>	<b>0125CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>San Patricio County</b>									
<b>Aransas Pass</b>	<b>03</b>	<b>0125CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Nueces County</b>									
<b>Port Aransas</b>	<b>03</b>	<b>0135CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Duval County</b>									
<b>Benavides</b>	<b>03</b>	<b>0235CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Jim Wells County</b>									
<b>Ben Bolt</b>	<b>03</b>	<b>0235CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
<b>Jim Wells County</b>									
<b>Palito Blanco</b>	<b>03</b>	<b>0235CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, Mid - South</b>									
<b>Kleberg County</b>									
Kingsville	03	0240CST			0	0			Flash Flood
<b>San Patricio County</b>									
Ingleside	03	0245CST			0	0			Flash Flood
<b>San Patricio County</b>									
Aransas Pass	03	0250CST			0	0			Flash Flood
<b>Nueces County</b>									
Corpus Christi	03	0300CST			0	0			Flash Flood
Abundant subtropical moisture prevailed across South Texas during the start of April. A vigorous upper-level disturbance propagated across the region during the afternoon on the 2nd and the effects continued into the early morning hours on the 3rd. The disturbance forced the development of numerous showers and strong thunderstorms. Mid and upper level winds were relatively light resulting in slow moving and nearly stationary thunderstorms that produced flooding rains. Numerous reports of widespread flooding prevailed across the area with as much as 8-12 inches of rain reported across the greater Corpus Christi metropolitan area.									
<b>Webb County</b>									
Laredo	04	2110CST			0	0			Hail (1.75)
NWS spotter report of golfball sized hail.									
<b>Webb County</b>									
Laredo	04	2122CST			0	0			Thunderstorm Wind (G60)
DPS report of strong thunderstorm wind.									
<b>Webb County</b>									
Laredo	04	2130CST			0	0			Thunderstorm Wind (G60)
Public and DPS report of strong thunderstorm wind and an unconfirmed tornado.									
<b>Duval County</b>									
Freer	04	2200CST			0	0			Thunderstorm Wind (G60)
Several large trees and numerous power lines downed.									
<b>Live Oak County</b>									
George West	04	2235CST			0	0			Hail (1.75)
Sheriff report of golfball sized hail.									
<b>Bee County</b>									
Pettus	04	2300CST			0	0			Hail (1.75)
Police report of golfball sized hail.									
<b>Live Oak County</b>									
Three Rivers	04	2300CST			0	0			Thunderstorm Wind (G60)
Several large trees downed over power lines resulting in numerous power outages.									
<b>Goliad County</b>									
Weesatche	04	2330CST			0	0			Hail (1.75)
Sheriff report of golfball sized hail.									
<b>Live Oak County</b>									
Three Rivers	10	1912CST 2012CST			0	0			Funnel Cloud
Public report of funnel clouds near Choke Canyon.									
<b>Live Oak County</b>									
Three Rivers	10	1914CST	0.1	30	0	0			Tornado (F0)
DPS report of a tornado near IH-37.									
<b>Live Oak County</b>									
Three Rivers	10	1919CST	0.1	30	0	0			Tornado (F0)
DPS report of a tornado on the ground near IH-37. Movement of the tornado is nearly stationary.									
<b>Live Oak County</b>									
Three Rivers	10	1934CST			0	0			Funnel Cloud
Sheriff and DPS report of a tornado near IH-37 dissipating and lifting to the base of the parent cloud.									
<b>Live Oak County</b>									
Three Rivers	10	1940CST			0	0			Hail (1.00)
Sheriff report of quarter sized hail just to the east of IH-37.									
<b>Live Oak County</b>									
Three Rivers	10	1950CST			0	0			Hail (0.75)
<b>Webb County</b>									
10 E Laredo	25	2310CST			0	0			Hail (0.75)

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>TEXAS, Mid - South</u></b>									
<b>La Salle County</b>									
Encinal	26	0005CST			0	0			Hail (1.75)
			NWS spotter report of golfball sized hail.						
<b>Webb County</b>									
17 N Oilton	26	0050CST			0	0			Hail (0.75)
			Dime sized hail reported by Border Patrol.						
<b>McMullen County</b>									
Tilden	26	0230CST			0	0			Hail (1.75)
			NWS spotter report of golfball sized hail.						
<b>Duval County</b>									
12 SE Freer	26	0245CST			0	0			Hail (0.75)
<b>Jim Wells County</b>									
Sandia	26	0350CST			0	0			Thunderstorm Wind (G60)
			Sheriff report of a tractor trailer overturned by strong thunderstorm wind gusts.						
<b>Live Oak County</b>									
Lagarto	26	0355CST			0	0			Hail (0.75)
			NWS spotter report of dime sized hail.						
<b>San Patricio County</b>									
Mathis	26	0400CST			0	0			Hail (1.00)
			Police and public report of quarter sized hail.						
<b>Bee County</b>									
Tynan	26	0405CST			0	0			Hail (0.75)
			NWS spotter report of dime sized hail.						
<b><u>TEXAS, North</u></b>									
<b>Limestone County</b>									
Groesbeck	04	0307CST 0500CST			0	0			Flash Flood
			An upper level low pressure system was stationary over Baja California from the 2nd through the 3rd then moved across Texas on the 4th. Upper level moisture was drawn into the area from the Pacific while low level southerly flow increased moisture from the Gulf of Mexico. Widespread showers and thunderstorms formed across northern Texas ahead of the approaching system. Strong thunderstorms repeatedly moved over the same areas and locally heavy rainfall rates of one to two inches per hour fell on already saturated soils for much of the morning. Widespread flash flooding resulted across the central and eastern portions. A Pacific cold front accompanied the upper system into the western portions of the area during the early afternoon. Cooler and drier air aloft associated with the disturbance resulted in a gradual destabilization of the atmosphere and the heavy rain event quickly transitioned into a severe weather outbreak as thunderstorms erupted along the front. These scattered severe storms moved eastward and produced hail larger than baseball size, winds up to 70 mph, and a tornado.						
			Heavy rain resulted in street flooding in and around Groesbeck.						
<b>Limestone County</b>									
5 SE Groesbeck	04	0810CST 1000CST			0	0			Flash Flood
			High water was reported over Farm-to-Market Road 937.						
<b>Limestone County</b>									
Groesbeck	04	1000CST 1200CST			0	0			Flash Flood
			Several roads were flooded across the county.						
<b>Limestone County</b>									
Mexia	04	1153CST 1330CST			0	0			Flash Flood
			Street flooding was reported in and around town.						
<b>TXZ161</b>									
			<b>Limestone</b>						
	04	2135CST 2330CST			0	0			Flood
			Lake Mexia flooded and threatened several nearby homes.						
<b>Bell County</b>									
Temple	04	0836CST 1100CST			0	0			Flash Flood
			High water was reported over several city streets and roads.						

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
<b>Bell County</b> 5 N Temple	04	0915CST 1200CST			0	0			Flash Flood
		Very heavy rain on saturated ground flooded portions of I-35.							
<b>Bell County</b> Belton	04	1148CST 1400CST			0	0			Flash Flood
		Several roads throughout the county were flooded by heavy rain.							
<b>Bell County</b> Belton	04	1458CST 1700CST			0	0			Flash Flood
		High water continued to flood area roads and at least one helicopter rescue was necessary.							
<b>Bell County</b> Belton	04	1830CST 2100CST			0	0			Flash Flood
		Several roads continued to be flooded throughout the county.							
<b>Bell County</b> 4 N Temple	04	1840CST			0	0	1K		Thunderstorm Wind
		A road sign was blown down by high winds.							
<b>Bell County</b> Salado	04	1905CST			0	0			Hail (0.75)
<b>Bell County</b> Belton	04	1915CST			0	0	2K		Thunderstorm Wind
		Strong winds blew down trees and power lines.							
<b>Bell County</b> Temple	04	1915CST			0	0			Hail (0.75)
<b>Johnson County</b> Cleburne	04	0851CST 1100CST			0	0			Flash Flood
		Numerous roads were reported flooded throughout the county.							
<b>Johnson County</b> Cleburne	04	0900CST 1100CST			0	0			Flash Flood
		An underpass on Highway 171 south of town was flooded and barricaded.							
<b>Johnson County</b> Cleburne	04	1800CST 2000CST			0	0			Flash Flood
		Numerous roads across the county were closed by high water.							
<b>McLennan County</b> Mart	04	1000CST 1200CST			0	0			Flash Flood
		Several roads were flooded in and around town.							
<b>Ellis County</b> Maypearl	04	0925CST 1100CST			0	0			Flash Flood
		High water closed portions of Farm-to-Market Road 66 and several secondary roads in and around town.							
<b>Ellis County</b> Midlothian	04	1030CST 1230CST			0	0			Flash Flood
		A car was washed off a road.							
<b>Ellis County</b> Maypearl	04	1115CST 1315CST			0	0			Flash Flood
		The intersection of Farm-to-Market Road 66 and Highway 308 in town was barricaded due to high water.							
<b>Ellis County</b> Waxahachie	04	1900CST 2100CST			0	0			Flash Flood
		Several roads were flooded across the county.							
<b>Navarro County</b> Corsicana	04	1010CST 1210CST			0	0			Flash Flood
		Significant street flooding was reported with I-45 Business and East 1st Street impassable due to high water.							

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
<b>Dallas County</b>									
Dallas	04	1015CST 1215CST			0	0			Flash Flood
		Over 3.25 inches of rain in 12 hours caused widespread flooding in eastern Dallas.							
<b>Dallas County</b>									
Dallas	04	1115CST 1300CST			0	0			Flash Flood
		Isolated areas throughout the city remained flooded due to excessive rains.							
<b>Rockwall County</b>									
Rockwall	04	1015CST 1200CST			0	0			Flash Flood
		Over 3.25 inches of rain in 12 hours resulted in widespread flooding across the county.							
<b>Rockwall County</b>									
Heath	04	1252CST 1400CST			0	0			Flash Flood
		Rainbow Lake Road was closed due to high water.							
<b>Hunt County</b>									
8 N Greenville	04	1032CST 1200CST			0	0			Flash Flood
		Over 3.10 inches of rain in 12 hours caused several creeks to flood nearby roads.							
<b>Hunt County</b>									
6 S Caddo Mills	04	1250CST 1400CST			0	0			Flash Flood
		High water flooded Farm-to-Market Road 1565 and the I-30 exit to this road was closed.							
<b>Hunt County</b>									
Wolfe City	04	2213CST 2330CST			0	0			Flash Flood
		Several roads were flooded in and around town.							
<b>Falls County</b>									
Marlin	04	1100CST 1300CST			0	0			Flash Flood
		Several creeks were reported out of their banks.							
<b>Falls County</b>									
Lott	04	1945CST			0	0			Hail (0.75)
<b>Hopkins County</b>									
Sulphur Spgs	04	1300CST 1500CST			0	0			Flash Flood
		Several roads were flooded and closed in and around town.							
<b>Palo Pinto County</b>									
Mineral Wells	04	1329CST			0	0	2K		Thunderstorm Wind
		Power lines were blown down by high winds.							
<b>Parker County</b>									
4 NE Millsap	04	1340CST			0	0			Hail (0.88)
<b>Parker County</b>									
6 SE Springtown	04	1540CST			0	0			Thunderstorm Wind (G52)
<b>Parker County</b>									
5 W Weatherford	04	1600CST 1830CST			0	0			Flash Flood
		Over 4.50 inches of rain caused flooding west of town.							
<b>Eastland County</b>									
Eastland	04	1345CST			0	0			Hail (1.75)
<b>Eastland County</b>									
Eastland	04	1345CST			0	0	600K		Hail (3.00)
		Large hail damaged cars and buildings, and broke windows.							
<b>Eastland County</b>									
Eastland	04	1345CST			0	0			Thunderstorm Wind (G61)
		Strong winds blew down trees.							
<b>Henderson County</b>									
Athens	04	1355CST			0	0			Thunderstorm Wind (G61)
		Trees were blown down by high winds.							



# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
<b>Comanche County</b> Proctor	04	1450CST			0	0			Hail (0.75)
<b>Erath County</b> 10 N Stephenville	04	1500CST			0	0			Hail (0.88)
<b>Erath County</b> Morgan Mill	04	1520CST			0	0			Hail (0.75)
<b>Erath County</b> Stephenville	04	1520CST			0	0			Hail (0.75)
<b>Erath County</b> Stephenville	04	1600CST			0	0			Hail (1.00)
<b>Hood County</b> Granbury	04	1600CST			0	0			Hail (0.75)
<b>Hood County</b> Tolar	04	1600CST			0	0			Hail (0.75)
<b>Denton County</b> Pilot Pt	04	1650CST 1653CST	0.1	30	0	0	10K		Tornado (F0)
A brief tornado touchdown blew down signs and trees, and damaged a gas station.									
<b>Denton County</b> Pilot Pt	04	1700CST			0	0			Thunderstorm Wind (G61)
<b>Grayson County</b> 2 W Collinsville	04	1705CST			0	0			Hail (0.75)
<b>Grayson County</b> Pottsboro	04	1725CST			0	0			Hail (0.75)
<b>Grayson County</b> 2 N Denison	04	1735CST			0	0			Hail (0.88)
<b>Grayson County</b> Denison	04	1739CST			0	0			Hail (0.88)
<b>Kaufman County</b> 8 N Cedarvale	04	2000CST			0	0			Thunderstorm Wind (G52)
<b>Van Zandt County</b> 5 SW Wills Pt	04	2000CST			0	0			Thunderstorm Wind (G52)
<b>Robertson County</b> 4 SE Bremond	04	2023CST			0	0			Thunderstorm Wind (G61)
Strong winds blew down a tree.									
<b>Robertson County</b> Calvert	04	2023CST			0	0			Thunderstorm Wind (G57)
<b>Robertson County</b> 6 NW Franklin	04	2040CST			0	0	25K		Thunderstorm Wind
High wind removed the roof from a farm house.									
<b>Robertson County</b> Hearne	04	2045CST			0	0			Thunderstorm Wind (G52)
A large tree branch was blown onto power lines.									
<b>Collin County</b> Mc Kinney	04	2225CST 2330CST			0	0			Flash Flood
Several roads across the county were closed due to flooding.									
<b>Fannin County</b> Bonham	04	2230CST 2330CST			0	0			Flash Flood
Several roads across the county were closed due to flooding.									
<b>Throckmorton County</b> Throckmorton	11	0235CST			0	0			Hail (0.75)
<b>Young County</b> 4 NW Newcastle	11	0306CST			0	0	5K		Thunderstorm Wind
High winds tore shingles from the roof of a home.									
<b>Wise County</b> 7 E Alvord	11	0439CST			0	0	0		Thunderstorm Wind
Trees were uprooted by high winds.									

# Storm Data and Unusual Weather Phenomena

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
<b>Denton County</b> Sanger	11	0539CST			0	0			Thunderstorm Wind (G52)
<b>Denton County</b> Roanoke	11	0540CST			0	0	50K		Thunderstorm Wind (G61)
Strong winds blew down trees and damaged a church steeple.									
<b>Denton County</b> 4 E Lewisville	11	0552CST			0	0			Thunderstorm Wind (G54)
<b>Tarrant County</b> Ft Worth	11	0550CST			0	0	10K		Thunderstorm Wind
Tents were blown down in the downtown area.									
<b>Tarrant County</b> Haslet	11	0550CST			0	0	0		Thunderstorm Wind
Several trees were blown down.									
<b>Tarrant County</b> Keller	11	0550CST			0	0	0		Thunderstorm Wind
High winds blew down large tree limbs.									
<b>Tarrant County</b> North Richland Hills	11	0551CST			0	0	0		Thunderstorm Wind
High winds blew down a fence.									
<b>Ellis County</b> 4 SW Maypearl	11	0714CST			0	0			Hail (1.00)
<b>Ellis County</b> Howard	11	0738CST			0	0	70K		Thunderstorm Wind
Strong winds damaged a cotton gin and destroyed a nearby barn. The debris of the barn fell onto a truck and crushed it.									
<b>Ellis County</b> Ennis	11	0740CST			0	0			Thunderstorm Wind (G52)
<b>TXZ091&gt;094-098&gt;104-115&gt;119-129&gt;133-141</b>	<b>Montague - Cooke - Grayson - Fannin - Haskell - Throckmorton - Young - Jack - Wise - Denton - Collin - Stephens - Palo Pinto - Parker - Tarrant - Dallas - Eastland - Erath - Hood - Somervell - Johnson - Comanche</b>								
	12	0400CST			0	0			Extreme Cold
	13	0900CST							
An unusually strong arctic cold front moved into North Texas on the 11th, setting the stage for a night of strong radiational cooling as high pressure built into the southern plains behind the front. Clear skies combined with light winds and a dry atmosphere to produce temperatures in the mid 20s to lower 30 across much of the area on the morning of the 12th. Even colder readings were realized on the morning of the 13th. The last freeze of the season usually occurs in mid to late March in northern Texas and this month's freeze was one of the latest on record. Unfortunately, mild late winter and early spring weather resulted in an early start to the growing season. The extended period of below freezing temperatures and a heavy frost over the two day period took a tremendous toll on the area's agriculture. The fruit crop, including melon, peach, cantaloupe, plum, and apricot, as well as the vegetable crop, took a 75 to 90 percent loss in several counties in the northwestern portion of the area.									
<b>Montague County</b> Bowie	20	1801CST			0	0			Hail (0.75)
<b>Mills County</b> 3 S Goldthwaite	20	1805CST			0	0			Hail (1.75)
<b>Mills County</b> 5 SE Castor	20	1830CST			0	0			Hail (0.75)
<b>Lampasas County</b> Lometa	20	1823CST			0	0			Hail (1.75)
<b>Lampasas County</b> Lampasas	20	1830CST			0	0	2K		Thunderstorm Wind
Power lines were blown down by high winds.									
<b>Lampasas County</b> 5 W Nix to Nix	20	1900CST			0	0			Hail (1.75)
<b>Lampasas County</b> 5 W Nix	20	1900CST			0	0	2K		Thunderstorm Wind
Power lines were blown down by high winds.									
<b>Lampasas County</b> 5 W Nix	20	1921CST			0	0			Hail (1.75)
<b>Lampasas County</b> Lampasas	20	1932CST			0	0	2K		Thunderstorm Wind
Power lines were blown down by high winds.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
<b>Lampasas County</b>									
<b>Kempner</b>	20	1958CST			0	0	2K		Thunderstorm Wind
			A tin roof was blown off a barn.						
<b>Wise County</b>									
<b>Paradise</b>	20	1905CST			0	0			Hail (1.75)
<b>Wise County</b>									
<b>3 S Rhome</b>	20	1952CST			0	0			Hail (0.75)
<b>Tarrant County</b>									
<b>3 N Keller</b>	20	1915CST			0	0			Thunderstorm Wind (G57)
<b>Tarrant County</b>									
<b>Azle</b>	20	1950CST			0	0			Hail (1.50)
<b>Tarrant County</b>									
<b>Saginaw</b>	20	2010CST			0	0			Hail (0.75)
<b>Tarrant County</b>									
<b>Westover Hills</b>	20	2024CST			0	0			Hail (0.75)
<b>Tarrant County</b>									
<b>Ft Worth</b>	20	2025CST			0	0	0		Thunderstorm Wind
			Trees were blown down in the southern part of the city.						
<b>Tarrant County</b>									
<b>River Oaks</b>	20	2026CST			0	0			Hail (1.50)
<b>Tarrant County</b>									
<b>Ft Worth</b>	20	2030CST			0	0	25K		Lightning
			A lightning strike paralyzed the county 911 system.						
<b>Tarrant County</b>									
<b>Ft Worth</b>	20	2030CST			0	0	2K		Thunderstorm Wind (G61)
			Strong winds blew down signs.						
<b>Tarrant County</b>									
<b>Ft Worth</b>	20	2035CST			0	0			Hail (1.50)
<b>Tarrant County</b>									
<b>Carswell Afb</b>	20	2045CST 2230CST			0	0			Flash Flood
			Flood waters washed cars down a road.						
<b>Tarrant County</b>									
<b>Ft Worth</b>	20	2050CST 2230CST			0	0			Flash Flood
			Nearly a foot of water flooded an intersection downtown.						
<b>Tarrant County</b>									
<b>Benbrook</b>	20	2100CST			0	0			Hail (0.75)
<b>Denton County</b>									
<b>3 NE Roanoke</b>	20	1927CST			0	0			Thunderstorm Wind (G56)
<b>Denton County</b>									
<b>1 W Argyle</b>	20	1946CST			0	0	0		Thunderstorm Wind
			Large tree limbs were blown down by high winds.						
<b>Parker County</b>									
<b>6 E Weatherford</b>	20	1952CST			0	0			Hail (0.88)
<b>Parker County</b>									
<b>5 SE Springtown</b>	20	1957CST			0	0			Hail (0.75)
<b>Parker County</b>									
<b>Aledo</b>	20	2041CST			0	0			Hail (1.50)
<b>Erath County</b>									
<b>Bluff Dale</b>	20	2008CST			0	0			Hail (1.00)
<b>Erath County</b>									
<b>Chalk Mtn</b>	20	2012CST			0	0			Hail (1.00)
<b>Erath County</b>									
<b>Morgan Mill</b>	20	2040CST			0	0			Hail (0.75)
<b>Erath County</b>									
<b>5 S Morgan Mill</b>	20	2110CST			0	0			Hail (0.75)

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
<b>Ellis County</b> Midlothian	20	2020CST			0	0			Hail (0.75)
<b>Somervell County</b> 4 SW Glen Rose	20	2025CST			0	0			Hail (0.75)
<b>Bell County</b> Belton	20	2030CST			0	0	2K		Thunderstorm Wind
									Power lines were blown down by high winds.
<b>Hood County</b> Tolar	20	2040CST			0	0			Hail (0.75)
<b>Navarro County</b> Corsicana	20	2148CST			0	0	2K		Thunderstorm Wind
									Trees and power lines were blown down by high winds.
<b>Henderson County</b> 8 S Athens	20	2150CST			0	0	2K		Thunderstorm Wind
									A roof was peeled off a barn.
<b>Van Zandt County</b> 2 W Canton	21	2243CST			0	0			Hail (0.75)
<b>Van Zandt County</b> 5 SW Ben Wheeler	21	2255CST			0	0			Hail (1.75)
<b>Van Zandt County</b> Ben Wheeler	21	2318CST			0	0			Hail (1.75)
<b>Van Zandt County</b> 8 S Van	21	2325CST			0	0			Hail (1.75)
<b>Van Zandt County</b> Ben Wheeler	21	2330CST			0	0			Hail (2.75)
<b>Henderson County</b> 4 NE Poynor	21	2330CST			0	0	0		Thunderstorm Wind
									Strong winds blew down a tree.
<b>Tarrant County</b> Ft Worth	22	0010CST			0	0			Hail (0.75)
<b>Tarrant County</b> Ft Worth	22	0316CST			0	0			Thunderstorm Wind (G52)
<b>Van Zandt County</b> Canton	22	0035CST			0	0			Hail (0.88)
<b>Van Zandt County</b> 3 N Canton	22	0044CST			0	0			Hail (1.75)
									Golfball size hail was covering the road north of town.
<b>Van Zandt County</b> 3 E Canton	22	0050CST			0	0			Hail (1.75)
<b>Van Zandt County</b> Wills Pt	22	0115CST			0	0	2K		Thunderstorm Wind
									Power lines were blown down by high winds.
<b>Van Zandt County</b> Myrtle Spgs	22	0125CST			0	0			Hail (2.75)
<b>Van Zandt County</b> 5 NE Canton	22	0145CST			0	0			Hail (1.75)
<b>Van Zandt County</b> Grand Saline	22	0450CST			0	0	2K		Thunderstorm Wind
									Trees and power lines were blown down by high winds.
<b>Young County</b> Loving	22	0125CST			0	0			Hail (0.75)
<b>Montague County</b> Bowie	22	0138CST			0	0			Thunderstorm Wind (G52)
<b>Montague County</b> Bowie	22	0140CST			0	0			Hail (0.75)
<b>Montague County</b> Montague	22	0155CST			0	0			Thunderstorm Wind (G52)

# Storm Data and Unusual Weather Phenomena

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
<b>Montague County</b> St Jo	22	0155CST			0	0			Thunderstorm Wind (G52)
<b>Jack County</b> 4 W Jacksboro	22	0204CST			0	0			Hail (1.75)
<b>Jack County</b> 2 W Jacksboro	22	0207CST	0.1	30	0	0			Tornado (F0) A brief tornado touchdown was reported.
<b>Throckmorton County</b> 3 N Throckmorton	22	0230CST			0	0			Thunderstorm Wind (G52)
<b>Wise County</b> Alvord	22	0230CST			0	0			Thunderstorm Wind (G52)
<b>Wise County</b> Slidell	22	0230CST			0	0	20K		Thunderstorm Wind A roof was blown off a mobile home and a tree fell onto a car.
<b>Wise County</b> Boonsville	22	0340CST			0	0			Thunderstorm Wind (G52)
<b>Cooke County</b> Gainesville	22	0238CST			0	0	5K		Thunderstorm Wind Windows were blown out by strong winds.
<b>Cooke County</b> Woodbine	22	0255CST			0	0	10K		Thunderstorm Wind (G61) Strong winds blew down signs, trees and a barn.
<b>Denton County</b> Krum	22	0240CST			0	0	75K		Thunderstorm Wind Roofs were blown off several homes.
<b>Denton County</b> Denton	22	0250CST			0	0	2M		Thunderstorm Wind Many vehicles at an RV dealership in northern Denton were damaged by winds estimated at 80 to 100 mph. Two 18-wheelers were overturned at a truck stop. The roof of an outlet mall was removed and several businesses in the mall sustained major water damage.
<b>Denton County</b> Denton	22	0250CST			0	0	2K		Thunderstorm Wind Billboards were blown over and a storage building was destroyed.
<b>Denton County</b> Sanger	22	0250CST			0	0			Thunderstorm Wind (G61)
<b>Collin County</b> Plano	22	0330CST			0	0	50K		Thunderstorm Wind Trees were blown down by strong winds. A church steeple was removed.
<b>Collin County</b> 2 S Prosper	22	0330CST			0	0			Hail (1.00)
<b>Collin County</b> Celina	22	0345CST			0	0	5K		Thunderstorm Wind Shingles were removed from a home and trees were blown down.
<b>Collin County</b> Mc Kinney	22	0345CST			0	0	0		Thunderstorm Wind Trees were blown down by strong winds.
<b>Collin County</b> Anna	22	0405CST			0	0	2K		Thunderstorm Wind Strong winds blew down trees and power lines.
<b>Collin County</b> Lavon	22	0405CST			0	0	2K		Thunderstorm Wind Strong winds blew down trees and power lines.
<b>Collin County</b> Farmersville	22	0420CST			0	0	0		Thunderstorm Wind Large trees were blown down.
<b>Grayson County</b> Sherman	22	0330CST			0	0	17K		Thunderstorm Wind Strong winds destroyed an outdoor stage and blew down trees.

# Storm Data and Unusual Weather Phenomena

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
<b>Lamar County</b>									
Paris	22	0336CST			0	0			Hail (0.75)
<b>Lamar County</b>									
Reno	22	0336CST			0	0			Hail (0.75)
<b>Parker County</b>									
Brock	22	0340CST			0	0	0		Thunderstorm Wind
			Trees were blown down by strong winds.						
<b>Parker County</b>									
Dennis	22	0340CST			0	0	0		Thunderstorm Wind
			Trees were blown down by strong winds.						
<b>Parker County</b>									
4 E Weatherford	22	0350CST			0	0	0		Thunderstorm Wind
			Trees were blown down by strong winds.						
<b>Dallas County</b>									
Dallas	22	0352CST			0	0			Thunderstorm Wind (G71)
<b>Dallas County</b>									
Dallas	22	0358CST			0	0			Hail (0.75)
<b>Rockwall County</b>									
Rockwall	22	0415CST			0	0	150K		Thunderstorm Wind (G71)
			A marina received major damage from strong winds.						
<b>Rockwall County</b>									
Heath	22	0416CST			0	0			Thunderstorm Wind (G57)
<b>Hunt County</b>									
Merit	22	0415CST			0	0			Thunderstorm Wind (G57)
<b>Hunt County</b>									
Union Vly	22	0415CST			0	0	2K		Thunderstorm Wind
			Trees and power lines were blown down.						
<b>Hunt County</b>									
Wolfe City	22	0415CST			0	0			Thunderstorm Wind (G57)
<b>Hunt County</b>									
Commerce	22	0425CST			0	0	15K		Thunderstorm Wind (G61)
			Trees and power lines were blown down by strong winds. A convenience store was also damaged.						
<b>Kaufman County</b>									
Kaufman	22	0415CST			0	0			Thunderstorm Wind (G52)
<b>Kaufman County</b>									
Terrell	22	0415CST			0	0			Thunderstorm Wind (G52)
<b>Delta County</b>									
Cooper	22	0430CST			0	0	2K		Thunderstorm Wind
			Numerous trees and power lines were blown down.						
<b>Hopkins County</b>									
Cumby	22	0434CST			0	0			Thunderstorm Wind (G52)
<b>Hopkins County</b>									
Sulphur Spgs	22	0508CST			0	0			Hail (0.75)
<b>Hopkins County</b>									
Sulphur Spgs	22	0515CST			0	0	2K		Thunderstorm Wind (G57)
			Strong winds blew down trees and power lines.						
<b>Fannin County</b>									
Trenton	22	0445CST			0	0	0		Thunderstorm Wind
			Trees were blown down by strong winds.						
<b>Fannin County</b>									
Leonard	22	0506CST			0	0	0		Thunderstorm Wind
			A tree was blown down by strong winds.						
<b>Rains County</b>									
Emory	22	0446CST			0	0			Thunderstorm Wind (G52)
<b>Rains County</b>									
4 SW Point	22	0446CST			0	0	2K		Thunderstorm Wind (G61)
			Trees and power lines were blown down.						

# Storm Data and Unusual Weather Phenomena

April 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

## TEXAS, North

### Falls County

Reagan 25 1405CST 0 0 Hail (0.75)

### Falls County

Reagan 25 1405CST 0 0 5K Thunderstorm Wind  
Strong winds destroyed a barn and an outbuilding.

### Bell County

Temple 25 1235CST 0 0 Hail (0.75)

TXZ091>095-102>107-117>123-130>135-142>148-156>162-174>175 Montague - Cooke - Grayson - Fannin - Lamar - Wise - Denton - Collin - Hunt - Delta - Hopkins - Parker - Tarrant - Dallas - Rockwall - Kaufman - Van Zandt - Rains - Erath - Hood - Somervell - Johnson - Ellis - Henderson - Mills - Hamilton - Bosque - Hill - Navarro - Freestone - Anderson - Lampasas - Coryell - Bell - McLennan - Falls - Limestone - Leon - Milam - Robertson

20 1800CST 0 0 Severe Thunderstorms  
2200CST

An upper level disturbance moved into western North Texas during the afternoon and destabilized the moist air mass in place over the region. Scattered to numerous thunderstorms developed along the dry line that had moved into the western zones during the early evening hours. These storms moved eastward across much of north central Texas through the evening, and produced hail up to golfball size and damaging straight-line winds.

TXZ091>095-098>107-115>123-129>135-141>148-156>162-174>175 Montague - Cooke - Grayson - Fannin - Lamar - Haskell - Throckmorton - Young - Jack - Wise - Denton - Collin - Hunt - Delta - Hopkins - Stephens - Palo Pinto - Parker - Tarrant - Dallas - Rockwall - Kaufman - Van Zandt - Rains - Eastland - Erath - Hood - Somervell - Johnson - Ellis - Henderson - Comanche - Mills - Hamilton - Bosque - Hill - Navarro - Freestone - Anderson - Lampasas - Coryell - Bell - McLennan - Falls - Limestone - Leon - Milam - Robertson

21 2200CST 0 0 Severe Thunderstorms  
22 0500CST

A front became stationary across the northwestern portions of the area and just south of the Red River during the evening hours of the 21st. A surface low had developed between Abilene and Waco, and a dry line extended southward from the low into the Hill Country. Moist and very unstable conditions were in place to the south of the front and east of the dry line. The approach of an upper level system weakened a capping inversion across northern Texas enough to allow severe thunderstorms to erupt over the region. These severe storms continued through the early morning hours of the 22nd with numerous reports of golfball to baseball size hail, winds of 70 to 80 mph, and a tornado.

## TEXAS, North Panhandle

### Hutchinson County

Borger 02 1422CST 0 0 Hail (0.88)  
Covering roads in town.

### Hutchinson County

5 SE Borger 02 1445CST 0 0 Hail (0.75)  
Covering Highway 1059 for 2 miles.

### Roberts County

7 W Codman 02 1517CST 0 0 Hail (0.88)  
Occurred at FM 282 and Highway 70.

### Roberts County

5 W Miami 02 1517CST 0 0 Hail (1.25)

### Roberts County

4 W Miami 02 1545CST 0 0 Hail (0.75)  
Hail 1 inch deep.

### Potter County

4 E Amarillo 02 1554CST 0 0 Hail (0.75)  
Near the Washburn Exit U.S. Highway 287 and Interstate 40.

### Roberts County

2 E Miami 02 1605CST 0 0 Hail (1.75)  
Hail 3 to 5 inches deep on Highway 60.

### Hemphill County

7 S Canadian 02 1625CST 0 0 Hail (0.75)  
At intersection of Highways 60 and 83.

### Donley County

7 E Jericho to 2 S Jericho 02 1816CST 0 0 Hail (1.75)

Severe thunderstorms moved across the central and eastern Texas Panhandle producing large hail.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North Panhandle</b>									
<b>Deaf Smith County</b>									
2 SE Hereford	02	1816CST			0	0			Hail (0.75)
			Hail covering Highway 385.						
<b>Gray County</b>									
Alanreed	02	1816CST			0	0			Hail (0.75)
<b>Donley County</b>									
13 E Jericho	02	1820CST			0	0	75K		Hail (2.75)
			Flooding also. 100 head of cattle killed.						
<b>Gray County</b>									
5 W Mc Lean	02	1835CST 2300CST			0	0			Flash Flood
			High water and accumulated hail blocking Interstate 40.						
<b>Gray County</b>									
2 E Alanreed	02	1912CST			0	0			Flash Flood
			Three feet of water on Interstate 40 service road. Hail drift to 10 feet deep.						
<b>Gray County</b>									
3 E Alanreed	02	1935CST			0	0			Hail (1.00)
<b>Randall County</b>									
Canyon	02	1942CST			0	0			Hail (0.75)
<b>Donley County</b>									
8 E Jericho	02	2016CST			0	0			Flash Flood
			Water is up to Highway 291 bridge on White Fish creek.						
<b>Wheeler County</b>									
1 W Lela	02	2120CST			0	0			Hail (0.75)
			Severe thunderstorms moved through the central and eastern sections of the Texas Panhandle producing flooding and large hail. Property damage in the form of cattle killed by the flooding and hail occurred.						
<b>Donley County</b>									
Clarendon	02	2015CST 2310CST			0	0			Flash Flood
			Cooperative observer reported 7.32 inches of rain.						
<b>Collingsworth County</b>									
10 W Dozier	02	2121CST 2300CST			0	0			Flash Flood
<b>Collingsworth County</b>									
10 W Dozier	02 03	2121CST 0300CST			0	0			Hail (0.75)
<b>Donley County</b>									
Clarendon	02	2123CST			0	0			Flash Flood
			Flooding had closed all streets. At least 5 vehicles stalled.						
<b>Donley County</b>									
4 N Clarendon	02	2130CST			0	0			Hail (0.75)
			Hail accumulated on roadway north of town.						
<b>Wheeler County</b>									
4 W Shamrock	02 03	2200CST 0000CST			0	0			Flash Flood
			Interstate 40 closed due to high water which also moved 12,000 pound construction concrete blocks.						
<b>Donley County</b>									
Howardwick	03	0100CST			0	0			Flash Flood
			Bridge in city covered by 3 feet of water.						
<b>Collingsworth County</b>									
7 N Wellington	03	0835CST			0	0			Flash Flood
			Salt Fork of the Red River crest at 19.55 feet at Highway 83 bridge. This was a record flood stage surpassing the 1938 event of 17.50 feet.						
<b>Donley County</b>									
1 E Clarendon	03	1130CST			0	0			Flash Flood
			Gas station and home under water and truck in ditch. Severe thunderstorms moved through the eastern sections of the Texas Panhandle producing mainly flooding and some large hail.						
<b>Randall County</b>									
4 S Ogg	10	1410CST			0	0			Hail (0.75)



# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, North Panhandle</b>									
<b>Randall County</b> Umbarger	10	1450CST			0	0			Hail (0.75)
<b>Deaf Smith County</b> Dawn	10	1500CST			0	0			Hail (0.75)
<b>Randall County</b> 10 S Canyon	10	1502CST			0	0			Hail (1.75)
<b>Randall County</b> Canyon	10	1507CST			0	0			Hail (0.75)
<b>Randall County</b> Canyon	10	1517CST			0	0			Hail (0.75)
<b>Randall County</b> 2 SW Canyon	10	1520CST			0	0			Hail (1.75)
<b>Randall County</b> 16 ESE Canyon	10	1552CST			0	0			Hail (0.75)
<b>Armstrong County</b> 8 S Claude to Claude	10	1605CST 1621CST			0	0			Hail (1.25)
<b>Armstrong County</b> 3 E Claude	10	1631CST			0	0			Hail (1.00)
<b>Carson County</b> Groom	10	1654CST 1659CST			0	0			Hail (1.25)
<b>Randall County</b> Canyon	10	1710CST			0	0			Hail (1.00)
<b>Armstrong County</b> Wayside	10	1800CST			0	0			Flash Flood
									River gage observer reported a house in Wayside had water around it.
<b>Armstrong County</b> 13 NE Wayside	10	2000CST			0	0			Flash Flood
									River flood at WAYT2 crest was 10.19 feet according to DCP data. Thunderstorms across the southern sections of the Texas Panhandle produced large hail along with some flooding.
<b>Dallam County</b> 2 S Kerrick	21	1817CST			0	0			Hail (1.75)
<b>Sherman County</b> Stratford to 10 NE Stratford	21	1847CST 1849CST			0	0			Hail (1.00)
<b>Hutchinson County</b> 3 S Stinnett	21	2005CST			0	0			Thunderstorm Wind (G52)
<b>Hutchinson County</b> Hutchison Co Arpt	21	2025CST			0	0	15K		Thunderstorm Wind (G52)
									Damage to aircraft.
<b>Roberts County</b> 18 W Miami	21	2050CST			0	0	50K		Thunderstorm Wind (G60)
									Damage to 2 homes.
<b>Gray County</b> Pampa	21	2055CST 2058CST			0	0			Hail (0.88)
<b>Dallam County</b> Dalhart	21	2200CST			0	0			Hail (0.75)
<b>Hartley County</b> Dalhart	21	2200CST			0	0			Hail (0.75)
									Thunderstorms across the northern Texas Panhandle produced numerous reports of high winds and hail.
<b>TXZ006-011&gt;012- 016&gt;017</b>	25	0200CST 1700CST			0	0		3M	Heavy Snow
<b>Armstrong County</b> Wayside to 3 SE Wayside	25	1205CST 1425CST			0	0			Flash Flood
									Three feet of flood water covering the intersection of FM 285 and Highway 207.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## TEXAS, North Panhandle

Unusual day in the Texas Panhandle where storm system dumped anywhere from 4 to 8 inches of snow during the morning and afternoon and also flooding occurred in the south central Texas Panhandle. Three to five thousand head of cattle were killed by the late season heavy snow and damage to crops was in the millions of dollars.

## TEXAS, Northeast

**Angelina County**  
2 W Lufkin      **04 1445CST**      **0**      **0**      **Thunderstorm Wind (G60)**  
Trees down across Hwy 103.

**Angelina County**  
Pollok      **04 1445CST**      **0**      **0**      **Thunderstorm Wind (G60)**  
Trees down across Hwy 7.

**Angelina County**  
2 NW Lufkin      **04 1447CST**      **0**      **0**      **Thunderstorm Wind (G60)**  
Trees down across I-69.

**Harrison County**  
Scottsville      **04 2200CST**      **0**      **0**      **Thunderstorm Wind (G60)**  
Several trees toppled across FM2625 and across powerlines resulting in a blocked road and power outages.

**Panola County**  
Carthage      **04 2215CST**      **0**      **0**      **Flash Flood**  
**05 0100CST**  
Numerous reports of flooding across the region. Hwy 79 was covered with two feet of water and closed.

**Cherokee County**  
New Summerfield      **04 2248CST**      **0**      **0**      **Thunderstorm Wind (G60)**  
Several trees were blown down across Hwy 110.

**Panola County**  
Carthage      **04 1545CST**      **0**      **0**      **Thunderstorm Wind (G60)**

**Smith County**  
Lindale      **04 2245CST**      **0**      **0**      **10K**      **Lightning**  
Lightning struck a Hide-A-Way Lake Home sparking a fire that destroyed the roof.

**Nacogdoches County**  
8 E Nacogdoches      **27 0200CST**      **0**      **0**      **Hail (0.75)**

**Cass County**  
5 SE Atlanta      **29 0600CST**      **0**      **0**      **Flash Flood**  
County Road 4659 from Bloomberg to McCloud was flooded and closed.

**Cherokee County**  
Rusk to  
Striker Creek Res      **04 2250CST**      **0**      **0**      **5K**      **Thunderstorm Wind (G90)**  
Numerous reports of trees and powerlines toppled. Some homes and businesses damaged from the fallen trees. A 5-ton air conditioning unit was blown off a school building.

**Rusk County**  
5 W Henderson      **04 2300CST**      **0**      **0**      **Thunderstorm Wind (G60)**  
Large trees were toppled by the strong winds along FM13.

**Harrison County**  
Scottsville      **04 2335CST**      **0**      **0**      **Flash Flood**  
**05 0230CST**  
Severe flooding was reported in town including several streets under two to three feet of water. Street closure was necessary.

**Shelby County**  
Joaquin      **04 1540CST**      **0**      **0**      **Thunderstorm Wind (G60)**  
Several large trees toppled in town.

**Nacogdoches County**  
3 W Nacogdoches to  
7 W Nacogdoches      **05 0220CST**      **0**      **0**      **Flash Flood**  
**0400CST**  
High water resulted in closure of FM343 and CR770.

**Shelby County**  
5 S Center      **05 0005CST**      **0**      **0**      **Flash Flood**  
Several highways were closed. FM138 reported to have four feet of water across it.

**Red River County**  
Clarksville      **20 2155CST**      **0**      **0**      **Hail (0.75)**

**Titus County**  
Mt Pleasant      **20 2247CST**      **0**      **0**      **Hail (1.00)**

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, Northeast</b>									
<b>Titus County</b>									
5 S Mt Pleasant	20	2305CST			0	0			Hail (0.75)
<b>Morris County</b>									
5 NW Daingerfield	20	2330CST			0	0			Hail (0.75)
<b>Red River County</b>									
8 S Avery	21	2012CST			0	0			Hail (1.25)
		Hail completely covered the ground.							
<b>Bowie County</b>									
3 N New Boston	21	2035CST			0	0			Hail (1.75)
<b>Bowie County</b>									
Bassett	21	2100CST			0	0			Hail (1.25)
<b>Bowie County</b>									
Simms	21	2120CST			0	0			Hail (1.25)
<b>Wood County</b>									
Hawkins	21	2321CST			0	0			Hail (1.25)
<b>Marion County</b>									
Jefferson	21	2330CST			0	0			Hail (0.75)
<b>Wood County</b>									
Hawkins	21	2330CST			0	0			Hail (4.50)
<b>Upshur County</b>									
4 N Big Sandy	21	2335CST			0	0			Hail (1.75)
<b>Upshur County</b>									
2 E Big Sandy	21	2340CST			0	0			Hail (1.75)
<b>Upshur County</b>									
2 NW Gladewater	21	2350CST			0	0			Hail (1.00)
<b>Gregg County</b>									
3 E Gladewater	22	0001CST			0	0			Hail (1.50)
<b>Smith County</b>									
Tyler Pounds Arpt	22	0005CST			0	0			Hail (0.88)
<b>Gregg County</b>									
5 W Longview	22	0007CST			0	0			Hail (1.75)
<b>Gregg County</b>									
Gladewater	22	0008CST			0	0			Hail (2.50)
<b>Gregg County</b>									
White Oak	22	0008CST			0	0			Hail (0.88)
<b>Gregg County</b>									
2 W Longview	22	0012CST			0	0			Hail (0.75)
<b>Harrison County</b>									
Marshall Northeast	22	0015CST			0	0			Hail (0.75)
<b>Harrison County</b>									
Marshall	22	0030CST			0	0			Hail (0.75)
<b>Gregg County</b>									
Gladewater	22	0036CST			0	0			Hail (1.00)
<b>Gregg County</b>									
2 W White Oak	22	0057CST			0	0			Hail (1.00)
<b>Gregg County</b>									
Longview	22	0100CST			0	0			Hail (0.88)
<b>Gregg County</b>									
2 NW Longview	22	0108CST			0	0			Hail (1.75)
<b>Gregg County</b>									
Gladewater	22	0110CST			0	0			Hail (2.75)
<b>Gregg County</b>									
Longview	22	0110CST			0	0			Thunderstorm Wind (G60)
		Numerous trees and powerlines down.							
<b>Harrison County</b>									
Hallsville	22	0130CST			0	0			Hail (0.75)

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, Northeast</b>									
<b>Harrison County</b> Waskom	22	0130CST			0	0			Hail (1.00)
<b>Cass County</b> 3 W Linden	22	0225CST			0	0			Hail (4.50)
<b>Cass County</b> Atlanta	22	0330CST			0	0			Hail (1.75)
<b>Marion County</b> 10 E Jefferson	22	0430CST			0	0			Hail (1.75)
<b>Marion County</b> 10 NE Jefferson	22	0430CST			0	0			Hail (1.75)
<b>Wood County</b> 9 SW Quitman	22	0520CST			0	0			Thunderstorm Wind (G60)
<b>Franklin County</b> Mt Vernon	22	0527CST			0	0			Thunderstorm Wind (G90) Damage to several buildings in the downtown area. Several roofs were completely removed from buildings. Power out to virtually the entire area.
<b>Camp County</b> Pittsburg	22	0530CST			0	0			Hail (0.75)
<b>Franklin County</b> Mt Vernon	22	0530CST			0	0			Hail (1.00)
<b>Titus County</b> 5 W Mt Pleasant	22	0535CST			0	0			Thunderstorm Wind (G60) Several trees toppled from high winds across Hwy 21.
<b>Titus County</b> 2 N Mt Pleasant	22	0540CST			0	0	15K		Thunderstorm Wind (G80) Numerous reports of trees and powerlines toppled. Some damage to homes.
<b>Upshur County</b> Pritchett	22	0600CST			0	0			Thunderstorm Wind (G60) Numerous trees snapped and power lines were toppled resulting in power outages.
<b>Bowie County</b> New Boston	22	0610CST			0	0			Thunderstorm Wind (G60)
<b>Bowie County</b> Wright Patman Lake	22	0610CST			0	0			Thunderstorm Wind (G60) Numerous trees down. Reported by U.S. Army Corps of Engineers.
<b>Morris County</b> Daingerfield	22	0610CST			0	0			Thunderstorm Wind (G60) Power poles were toppled across town leading to power outages.
<b>Cass County</b> 10 W Linden	22	0615CST			0	0			Thunderstorm Wind (G60) Several large trees down.
<b>Marion County</b> 5 NW Jefferson	22	0630CST			0	0			Thunderstorm Wind (G60) Several large trees blown across Hwy 49.
<b>Harrison County</b> Marshall	22	0640CST			0	0			Thunderstorm Wind (G60)
<b>Harrison County</b> Marshall	22	0645CST			0	0			Thunderstorm Wind (G70) Numerous trees and power lines down resulting in over 600 people without power.
<b>Harrison County</b> Waskom	22	0650CST			0	0			Thunderstorm Wind (G60) Trees down along both sides of I-20.
<b>Harrison County</b> Waskom	22	0655CST			0	0			Thunderstorm Wind (G60)
<b>Shelby County</b> 5 SE Shelbyville	25	1720CST			0	0			Thunderstorm Wind (G60) Trees and power lines were toppled resulting in numerous power outages.
<b>Camp County</b> 5 S Pittsburg	26	2108CST			0	0			Hail (1.00)

# Storm Data and Unusual Weather Phenomena

April 1997

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

## TEXAS, Northeast

<b>Titus County</b> Mt Pleasant	26	2120CST			0	0			Hail (1.00)
<b>Angelina County</b> Diboll	27	0115CST			0	0			Hail (1.00)
<b>Angelina County</b> 2 S Lufkin	27	0118CST			0	0			Hail (0.75)
<b>Angelina County</b> Lufkin	27	0125CST			0	0			Hail (1.75)

Hail completely covered the ground.

## TEXAS, South

<b>Starr County</b> Roma	03	2140CST			0	0	7K		Tstm Wind/Hail
<b>Hidalgo County</b> Palmview	03	2300CST 2335CST			0	0	15K		Tstm Wind/Hail
<b>Cameron County</b> 5 NW Brownsville Arpt to 5.5 NW Brownsville Arpt	04	0325CST 0335CST	0.5	100	0	0	45K		Tornado (F1)
<b>Cameron County</b> 1 NE Bayview	04	0430CST	0.1	50	0	0	0		Tornado (F0)

Off duty commercial pilot reported tornado on ground.

## TEXAS, South Central

**TXZ183>184-202>204-217>220-228 Val Verde - Edwards - Kinney - Uvalde - Medina - Maverick - Zavala - Frio - Atascosa - Dimmit**

01 30	0001CST 2359CST				0	0	3M	8M	Drought
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Scattered showers and thunderstorms again added moisture to soils across South Central Texas. As in the past several months, the rain was mainly along and northeast of Kerrville to San Antonio to Karnes City line. Southwest of this area, drought conditions continued through the month of April. Monthly damages are based on the estimated annual loss to agriculture across all of Texas through this year. Property damages do not include business or commercial revenue losses.

<b>Karnes County</b> Countywide	02	1200CST 1330CST			0	0	20K	0	Flash Flood
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Brief flooding was reported over most county roads.

<b>Karnes County</b> 3 N Karnes City	02	1000CST 1010CST			0	0	20K	0	Thunderstorm Wind
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Severe winds blew over a shed and knocked over trees between Karnes City and Panna Maria.

<b>De Witt County</b> Countywide	02	1300CST 1500CST			0	0	50K	0	Flash Flood
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Roads were closed across the county. At least one county road was completely washed out with severe damage.

<b>Atascosa County</b> Coughran to Countywide	02	1430CST			0	0	50K	0	Flash Flood
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Roads were closed and under water, mainly over the western part of the county.

<b>Karnes County</b> Countywide	02	1430CST 1700CST			0	0	30K	0	Flash Flood
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Roads were closed across the county due to as much as 4 inches of rain in less than 2 hours.

<b>Medina County</b> Countywide	02	1430CST 1700CST			0	0	10K	0	Flash Flood
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Roads were closed across much of the eastern part of the county.

<b>Uvalde County</b> Countywide	02	1800CST 1930CST			0	0	5K	0	Flash Flood
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Widespread brief closing of most roads across the county due to high water.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, South Central</b>									
<b>Wilson County</b>									
Kosciusko	03	1200CST 1205CST			0	0	0	0	Thunderstorm Wind
		Trees were blown over and many others uprooted near Kosciusko.							
<b>Medina County</b>									
Hondo	03	2125CST 2135CST			0	0	0	0	Thunderstorm Wind
<b>Medina County</b>									
Hondo	03	2130CST 2135CST			0	0	0	0	Hail (0.75)
		Trees were blown down in and near Hondo, reported by the Sheriff's Office.							
<b>Bandera County</b>									
Countywide	03	2200CST 2300CST			2	0	0	0	Flash Flood
		Brief flash flooding countywide resulted from rainfall of between 2 and 3 inches in 2 hours. Near 2230CST, a man and his wife were traveling back home after an evening's trip. The couple were nearing their home as they encountered a flooded creek close to Medina. As they attempted to cross through the creek, their car was washed off the road and they drowned. M88VE, F80VE							
<b>Gillespie County</b>									
Countywide	03	2200CST 2330CST			0	0	0	0	Flash Flood
		Widespread flash flooding was reported across the county due to rainfall of up to 4 inches in 2 hours.							
<b>Kerr County</b>									
Countywide	03	2300CST 2330CST			0	0	0	0	Flash Flood
		Brief flash flooding was reported, mainly over the eastern part of the county. Water was indicated over SH27.							
<b>Comal County</b>									
New Braunfels	03	2337CST 2340CST			0	0	0	0	Hail (0.75)
<b>Comal County</b>									
5 W New Braunfels	03	2345CST 2355CST			0	0	0	0	Hail (0.75)
<b>Hays County</b>									
Wimberley	04	0010CST 0015CST			0	0	0	0	Hail (0.75)
<b>Williamson County</b>									
Countywide	04	0030CST 0300CST			0	0	10K	0	Flash Flood
<b>Williamson County</b>									
Countywide	04	0045CST 0055CST			0	0	0	0	Thunderstorm Wind
		Roads were closed across much of Williamson County as a result of heavy rainfall. A road repair crew in Taylor was stranded in the high water and were rescued by members of the fire department. Among the creeks out of banks for many hours was Brushy Creek.. Numerous trees were blown down across mainly the eastern part of the county by damaging winds.							
<b>De Witt County</b>									
Countywide	04	0130CST 0300CST			0	0	3K	0	Flash Flood
		Numerous secondary roads were closed through a portion of the early morning hours due to flash flooding.							
<b>Lavaca County</b>									
Countywide	04	0600CST 0730CST			0	0	3K	0	Flash Flood
		Roads were closed across much of the county during the pre-dawn hours due to flash flooding.							
<b>Travis County</b>									
Countywide	04	0630CST 1100CST			0	0	15K	0	Flash Flood
		Widespread flash flooding reported across low areas along county roads over much of the county.							
<b>Williamson County</b>									
Countywide	04	0630CST 1200CST			0	0	10K	0	Flash Flood
		Additional rainfall just after the sunrise period brought totals up to 6" west of Georgetown. Widespread flash flooding redeveloped							

# Storm Data and Unusual Weather Phenomena

April 1997

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

## TEXAS, South Central

again across much of the county. Flooding was specifically reported in San Gabriel Park and in many parts of the city of Georgetown.

### TXZ190

#### Blanco

04	0700CST								
	0930CST			0	0	8K	0		Flood

Rainfall of up to 6 inches across the county caused the Blanco River out of banks, flooding roads across much of the county until around 0930CST, as reported by the Sheriffs Department. Flooding was also reported in Blanco State Park.

### Kendall County Countywide

04	0700CST								
	0930CST			0	0	10K	0		Flash Flood

Widespread flooding developed over the county due to brief heavy rainfall. Roads between Kendalia and Sisterdale were closed, and one woman was rescued in her flooded out vehicle south of Kendalia. She had seen a previous vehicle cross through a low water crossing along the Guadalupe River, but stalled when she tried to do the same. Numerous high water rescues were reported around the county.

### Uvalde County Concan

04	1525CST								
	1540CST			0	0	5K	0		Thunderstorm Wind

Telephone lines were knocked down by high winds near Concan.

### Real County 12 N Leakey

04	1518CST								
	1525CST			0	0	0	0		Hail (0.75)

### Real County Countywide

04	1530CST								
	1600CST			0	0	0	0		Flash Flood

Up to 2 inches of rain in 1.5 hours caused flash flooding and the brief closing of FM1120.

### Bandera County Pipecreek

04	1535CST								
	1540CST			0	0	0	0		Hail (0.75)

### Bandera County Pipecreek

04	1535CST								
	1545CST			0	0	5K	0		Thunderstorm Wind

Severe winds blew over sheds and damaged outbuildings in and Pipe Creek.

### Uvalde County Concan

04	1525CST								
	1540CST			0	0	3K	0		Thunderstorm Wind

Power lines and power poles were blown down by high winds near Concan.

### Bandera County Countywide

04	1645CST								
	1800CST			0	0	0	0		Flash Flood

Roads across low water crossings were closed briefly across the entire county due to heavy rain.

### Medina County 5 N Hondo

04	1700CST								
	1710CST			0	0	0	0		Hail (0.75)

### Medina County Hondo

04	1705CST								
	1715CST			0	0	0	0		Thunderstorm Wind

Trees were blown down in the town of Hondo by high winds.

### Bexar County San Antonio

04	1805CST								
	1810CST			0	0	0	0		Hail (1.00)

Hail was reported by Amateur Radio spotters in northwest San Antonio (near NW Military Drive and Lockhill Selma.)

### Travis County Austin

04	1815CST								
	1820CST			0	0	0	0		Thunderstorm Wind (G51)

### Travis County Countywide

04	1820CST								
	1825CST			0	0	0	0		Hail (0.75)

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, South Central</b>									
<b>Travis County</b> 1 SW Austin	04	1830CST 1840CST			0	0	0	0	Thunderstorm Wind (G58)
<b>Travis County</b> Austin	04	1830CST			0	0	200K	0	Thunderstorm Wind
Aircraft were damaged at Robert Mueller Airport by severe wind gusts.									
<b>Travis County</b> Countywide	04	1832CST 1840CST			0	0	0	0	Thunderstorm Wind (G51)
Storms ripped roofs off 16 apartment buildings in Austin. High winds also resulted in widespread (1500) power failures across Austin.									
<b>Williamson County</b> Countywide	04	1820CST 1830CST			0	0	0	0	Hail (0.75)
<b>Bastrop County</b> Bastrop	04	1900CST 1910CST			0	0	50K	0	Thunderstorm Wind
Winds damaged numerous roofs and trees.									
<b>Bastrop County</b> Elgin	04	1930CST 1935CST			0	0	100K	20K	Thunderstorm Wind
Severe winds damaged several small sheds and knocked down trees in and near Elgin. A herd of some 47 emus was scattered by the storm. Nearly all returned later, but one was killed by the storm. Also, a large tree was knocked over on a home and a camper shell was blown into a field.									
<b>Lee County</b> Countywide	04	2000CST			0	0	20K	10K	Thunderstorm Wind
Trees were blown down across the western part on county. Numerous fences were also reported to have been damaged.									
<b>Wilson County</b> Floresville	04	2025CST 2030CST			0	0	0	0	Hail (0.75)
<b>Karnes County</b> Runge	04	2315CST 2325CST			0	0	5K	0	Thunderstorm Wind
Widespread damage was reported to trees in the Runge area, with many trees blown over by the damaging winds.									
<b>Gillespie County</b> Countywide	08	1730CST 1830CST			0	0	0	0	Flash Flood
Brief flash flooding was reported, mainly across the central part of the county, as water washed over state jogjwu 2093 and Klein Branch Road.									
<b>De Witt County</b> Countywide	10 11	2100CST 0600CST			0	0	500K	50K	Flash Flood
Widespread flash flooding developed over the county just before midnight as the result of general 5 inch rainfall, with isolated totals up to 10 between Cuero and Hoheim. The flooding caused major damage to roads and crops across the entire county.									
<b>Karnes County</b> Countywide	10	2130CST 2355CST			0	0	50K	0	Flash Flood
General 1 to 2 inches of rain fell over Karnes County. Isolated totals were reported near 4 inches. Brief flash flooding was reported.									
<b>Gonzales County</b> Countywide	10 11	2200CST 0200CST			0	0	30K	0	Flash Flood
Rainfall totals in southern Gonzales County of up to 4" produced flooding of low areas across most of this part of the county.									
<b>Lavaca County</b> Countywide	10 11	2230CST 0400CST			1	0	1M	50K	Flash Flood
General 6" rain amounts, with isolated totals near 14 inches were reported around Lavaca County. Hwy 95 was closed from									



# Storm Data and Unusual Weather Phenomena

April 1997

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

## TEXAS, South Central

Yoakum to Shiner, with widespread closures across the county. One man drowned in his truck while trying to get to Hallettsville to his job around 0100CST. It had not rained where he had been staying, but he ran into the flooding as he approached Breslau. His truck was swept off the road and he drowned. Two other couples, returning to Yoakum from near Sweet Home, had their van washed off FM531. The van lost power, and the doors and windows would not open. One of the men broke out a rear window with a wrench and the two couples climbed out. They grabbed a fence line and made their way along it to a tree, where they clung in spite of fire ants and rising water for at least two hours. When the water began to recede, they made their way to a nearby farmhouse and were rescued. As many as 500 head of cattle may have been lost in the flooding. Several homes in Yoakum and Sweet Home were flooded out. Widespread damage was reported both to roads and to railroad beds. M53VE

### **Lavaca County**

<b>Moulton</b>	11	0025CST 0030CST		0	0	50K	10K	Thunderstorm Wind
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Amateur Radio spotters reported power lines and power poles blown down in and around Moulton.

### **Burnet County**

<b>Bertram</b>	20	1945CST 1950CST		0	0	0	0	Hail (2.50)
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### **Burnet County**

<b>Oakalla</b>	20	1945CST		0	0	0	0	Hail (1.75)
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### **Blanco County**

<b>Twin Sisters</b>	20	2030CST 2035CST		0	0	0	0	Hail (0.75)
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### **Kendall County**

<b>Kendalia</b>	20	2030CST 2035CST		0	0	0	0	Hail (0.75)
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### **Comal County**

<b>Spring Branch</b>	20	2035CST 2040CST		0	0	0	0	Hail (1.75)
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### **Hays County**

<b>San Marcos</b>	20	2055CST 2100CST		0	0	0	0	Hail (0.75)
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### **Williamson County**

<b>Hutto</b>	20	2100CST 2105CST		0	0	0	0	Hail (0.75)
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### **Travis County**

<b>Lake Travis</b>	20	2110CST 2115CST		0	0	0	0	Thunderstorm Wind (G69)
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### **Travis County**

<b>Lake Travis</b>	20	2124CST 2130CST		0	0	0	0	Thunderstorm Wind (G62)
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### **Travis County**

<b>Lake Travis</b>	20	2146CST 2150CST		0	0	0	0	Thunderstorm Wind (G59)
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### **Lavaca County**

<b>Hallettsville</b>	20	2225CST		0	0	0	0	Hail (0.75)
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### **Bastrop County**

<b>Rockne</b>	21	0300CST 0305CST		0	0	0	0	Hail (0.75)
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### **Williamson County**

<b>Taylor</b>	21	0247CST 0255CST		0	0	0	0	Thunderstorm Wind (G62)
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### **Williamson County**

<b>Round Rock</b>	21	0250CST 0300CST		0	0	0	0	Hail (0.75)
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### **Burnet County**

<b>Countywide</b>	25	0920CST 1500CST		0	0	5K	0	Flash Flood
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Widespread flash flooding developed across nearly all county roads due to nearly 4 inches of rain.

### **Blanco County**

<b>Countywide</b>	25	1030CST 1400CST		0	0	3K	0	Flash Flood
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Flash flooding was reported over much of the county due to general 3 inch rainfall.

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, South Central</b>									
<b>Llano County</b>									
Llano	25	1040CST 1042CST			0	0	0	0	Funnel Cloud
<b>Burnet County</b>									
Granite Mtn	25	1045CST 1050CST			0	0	50K	0	Thunderstorm Wind
Roof damage reported to several locations due to severe winds.									
<b>Burnet County</b>									
Countywide	25	1130CST 1400CST			0	0	3K	0	Flash Flood
General 3 to 4 inch rainfall in less than 2 hours produced widespread flash flooding in the county.									
<b>Llano County</b>									
Countywide	25	1200CST 1500CST			0	0	100K	20K	Flash Flood
Rainfall of between 3 and 5 inches across the county produced flash flooding over most low water areas.									
<b>Gillespie County</b>									
Countywide	25	1230CST 1815CST			0	0	50K	5K	Flash Flood
Roads were reported closed due to high water and flash flooding as a result of up to 5 inches of rainfall across much of the county.									
<b>Caldwell County</b>									
Luling	25	1300CST 1305CST			0	0	0	0	Hail (0.75)
<b>Caldwell County</b>									
Luling	25	1305CST 1310CST			0	0	0	0	Hail (1.25)
<b>Caldwell County</b>									
Luling	25	1310CST 1320CST			0	0	100K	10K	Hail (1.50)
Damage was reported to numerous vehicles due to the 1.5 inch hail in Luling.									
<b>Bexar County</b>									
Leon Spgs	25	1345CST 1350CST			0	0	0	0	Hail (0.75)
<b>Bastrop County</b>									
Countywide	25	1400CST 1800CST			0	0	10K	0	Flash Flood
Widespread flash flooding was reported countywide due to over 3 inches of rain within 2 hours. Numerous roads remained closed through the noon hour.									
<b>Caldwell County</b>									
Countywide	25	1400CST 1600CST			0	0	5K	0	Flash Flood
Flash flooding developed over the southern part of the county as a result of 2.6" of rain that fell in less than 45 minutes.									
<b>Williamson County</b>									
Countywide	25	1400CST 1600CST			0	0	5K	0	Flash Flood
Widespread flash flooding of most low-lying areas and low water crossings developed as a result of nearly 3 inches of rain in 2 hours.									
<b>Travis County</b>									
Countywide	25	1430CST 1630CST			0	0	5K	0	Flash Flood
Rainfall of up to 3 inches in less than 2 hours produced brief flash flooding through the city of Austin and much of Travis County.									
<b>Fayette County</b>									
Countywide	25	1500CST 1730CST			0	0	5K	0	Flash Flood
Flash flooding developed over most of the county in the wake of general 3 inch rainfall in 2 hours with 5 inch isolated amounts near Cistern.									
<b>Gonzales County</b>									
Countywide	25	1500CST 1700CST			0	0	3K	0	Flash Flood
General 2 to 3 inch rainfall covered the county, with isolated totals to near 5 inches. Widespread brief flash flooding was reported over much of the county.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>TEXAS, South Central</u></b>									
<b>Edwards County</b> 7 N Barksdale	25	2230CST 2240CST			0	0	0	0	Hail (1.50)
<b>Real County</b> 25 N Leahey	25	2250CST 2300CST			0	0	0	0	Hail (1.00)
The hail was piled up to as deep as 12 inches at Prade Ranch.									
<b>Maverick County</b> El Indio	25	2310CST 2315CST			0	0	0	0	Hail (0.75)
<b>Uvalde County</b> 5 NE Uvalde	25	2330CST 2340CST			0	0	0	0	Hail (1.50)
<b>Bandera County</b> Countywide	26	0001CST 0400CST			0	0	5K	0	Flash Flood
Nearly 2 inches of rain in well under 1 hour produced very rapid flash flooding over most of Bandera County. The flash flooding continued as an additional 2 inches of rain was received in the following 2 hour period.									
<b>Gillespie County</b> Countywide	26	0045CST 0130CST			0	0	0	0	Flash Flood
Brief flash flooding developed over most of the county as up to 4 inches of rain fell countywide in just under 2 hours.									
<b>Travis County</b> Countywide	26	0430CST 0600CST			0	0	5K	0	Flash Flood
Rainfall of up to 4 inches across much of Travis County produced widespread flash flooding of low areas and low water crossings.									
<b><u>TEXAS, South Panhandle</u></b>									
<b>Briscoe County</b> Silverton	02	1700CST			0	0	0	0	Hail (0.75)
<b>Castro County</b> 9 NW Dimmitt	02	1738CST			0	0	0	0	Hail (0.75)
<b>Castro County</b> 13 NNW Dimmitt	02	1816CST			0	0	0	0	Hail (0.75)
<b>Garza County</b> 11 E Southland	02	2057CST			0	0	0	0	Hail (0.75)
<b>Crosby County</b> 14 S Crosbyton	02	2121CST			0	0	0	0	Hail (0.75)
Dime-size hail fell in several locations on the evening of the 2nd. The Castro County Sheriff's Office reported hail near the community of Easter and in the extreme north part of the county. The public reported hail in Silverton. Hail was also reported in northern Garza County (by the public) and in far southern Crosby County (by the Crosbyton Fire Department). No damages were reported.									
<b>Yoakum County</b> 1 E Plains	22	1745CST			0	0	0	0	Hail (1.75)
<b>Yoakum County</b> 12 ENE Denver City	22	1755CST			0	0	0	0	Hail (1.75)
An isolated severe thunderstorm (low precipitation supercell) formed in a cool environment (about 40 degrees) over eastern New Mexico and raced southeastward. Up to golfball-size hail was reported near Plains and east of Denver City.									
<b>Yoakum County</b> 3 E Bronco	24	1530CST			0	0	0	0	Hail (0.88)
Nickel-size hail in extreme western Yoakum County was reported by researchers from Texas Tech University.									
<b>Terry County</b> 8 N Brownfield	24	1553CST			0	0	0	0	Hail (1.75)
Golfball-size hail fell north of Brownfield as reported by the sheriff's office.									
<b>TXZ021</b> Parmer	25	0400CST 1000CST			0	0	0	0	Heavy Snow
Four inches of snow fell in Friona with lesser amounts reported elsewhere in Parmer County.									
<b>TXZ021&gt;022</b> Parmer - Castro	24	1200CST			0	0	2M	400K	Extreme Cold
	27	0800CST							

# Storm Data and Unusual Weather Phenomena

April 1997

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

## TEXAS, South Panhandle

A prolonged wet and unseasonably cold/windy period killed at least several hundred head of cattle in Castro and Parmer Counties. The same area suffered damage to its wheat crop.

<b>Castro County</b> Hart	10	1535CST			0	0	0	0	Hail (0.75)
<b>Castro County</b> 1 E Hart	10	1540CST			0	0	0	0	Hail (2.00)
<b>Swisher County</b> 1 NW Tulia	10	1630CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Swisher County</b> 5 WSW Tulia	10	1639CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Hale County</b> 9 W Plainview	10	1706CST	0.2	75	0	0	25K	0	Tornado (F1)
<b>Lynn County</b> 7 E New Moore	10	1750CST			0	0	0	0	Hail (1.00)
<b>Lynn County</b> New Moore	10	1800CST			0	0	10K	0	Hail (2.75)
<b>Castro County</b> Hart	10	1803CST			0	0	0	0	Hail (1.00)
<b>Terry County</b> Needmore	10	1830CST			0	0	0	0	Hail (1.00)
<b>Lynn County</b> 8 SW Tahoka	10	1835CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Lynn County</b> Tahoka	10	1841CST			0	0	0	0	Hail (1.25)
<b>Lynn County</b> 10 SW Tahoka	10	1845CST			0	0	0	0	Hail (2.75)
<b>Swisher County</b> Tulia	10	1845CST 2100CST			0	0		0	Flash Flood
<b>Lynn County</b> 6 SSE Tahoka	10	1852CST 1855CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Lynn County</b> 6 SE Tahoka	10	1856CST 1858CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Lubbock County</b> 7 SW Lubbock	10	1906CST			0	0	0	0	Hail (1.00)
<b>Lynn County</b> 9 ENE Tahoka	10	1915CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Lubbock County</b> 4 W Lubbock	10	1940CST 1950CST			0	0	12M	0	Hail (1.75)
<b>Lubbock County</b> 4 NW Lubbock	10	1940CST 1950CST			0	0	18M	0	Hail (1.75)
<b>Lubbock County</b> 4 SW Lubbock	10	1940CST			0	0	0	0	Hail (1.00)
<b>Hale County</b> 1 S Plainview	10	1955CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Lubbock County</b> Lubbock Intl Arpt	10	1955CST			0	0	0	0	Hail (0.75)
<b>Lubbock County</b> Lubbock Intl Arpt	10	2010CST			0	0	100K	0	Hail (1.75)
<b>Terry County</b> Brownfield	10	2010CST			0	0	0	0	Hail (1.00)
<b>Briscoe County</b> Silverton	10	2021CST			0	0	0	0	Hail (1.00)

# Storm Data and Unusual Weather Phenomena

April 1997

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

## TEXAS, South Panhandle

<b>Lubbock County</b>									
3 ENE Lubbock Intl Arpt	10	2029CST 2034CST			0	0	400K	0	Thunderstorm Wind (G55)
<b>Crosby County</b>									
9 S Crosbyton	10	2030CST			0	0	0	0	Hail (0.75)
<b>Crosby County</b>									
6 NNE Kalgary	10	2035CST 2038CST	0.2	50	1	1	25K	0	Tornado (F1)
M78MH									
<b>Hale County</b>									
5 NE Hale Center	10	2045CST			0	0	0	0	Hail (1.75)
<b>Crosby County</b>									
14 NNE Kalgary	10	2050CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Crosby County</b>									
9 ENE Crosbyton	10	2105CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Dickens County</b>									
7 WNW Dickens	10	2118CST	0.1	50	0	0	0	0	Tornado (F0)
<b>Dickens County</b>									
Afton	10	2140CST	0.1	50	0	0	20K	0	Tornado (F0)
<b>Hale County</b>									
Abernathy	10	2220CST			0	0	50K	0	Hail (1.75)
<b>Cottle County</b>									
6 N Paducah	10	2245CST			0	0	0	0	Hail (1.75)
<b>Crosby County</b>									
5 N Crosbyton	10	2253CST			0	0	0	0	Hail (1.75)
<b>Lubbock County</b>									
Acuff	10	2330CST			0	0	0	0	Hail (0.75)
<b>Floyd County</b>									
1 W Dougherty	10	2345CST			0	0	0	0	Hail (0.75)

Severe weather broke out across the South Plains of West Texas during the afternoon and evening of the 10th. A band of storms moved across the area bringing large hail to many counties. Ahead of the band, however, an isolated tornadic supercell moved from Lynn County northeast across Crosby and Dickens Counties. One of its tornadoes struck a lone, double-wide mobile home about one-half mile west of White River Lake (or about 6 miles NNE of Kalgary) in Crosby County, killing one 78 year-old male and injuring a 73 year-old female. The couple was preparing to leave for shelter just as the tornado struck. It totally demolished the structure and damaged a vehicle. This same cell had caused tornadoes in southern and eastern Lynn County earlier (as reported by chasers and spotters), and proceeded to cause other tornadoes in Dickens and eastern Crosby Counties (as reported by spotters and local law enforcement). Near Afton (Dickens Co.), a trailer was damaged, the roof of a cotton gin was ripped off, and a chimney collapsed due to a tornado.

At almost the same time as the White River Lake tornado, severe winds caused damage to the Liberty Acres community just northeast of Lubbock International Airport. Several houses were damaged (one severely) and several mobile homes were damaged (one severely), too. The winds also knocked down four utility poles and a few trees (one of which damaged a car). Although some people believed this storm was a tornado, a damage survey by researchers from Texas Tech's wind engineering group, as well as one by NWS officials, proved inconclusive.

Minutes before the storm damaged Liberty Acres, it dropped golfball-size hail over west parts of the City of Lubbock, damaging 3,000 to 4,000 homes as well as a few thousand vehicles. Damages from the hail were estimated at more than \$30 million.

A tornado west of Plainview uprooted trees and damaged two barns.

## TEXAS, Southeast

<b>Newton County</b>									
Call	05	0230CST			0	0	5K		Thunderstorm Wind
Several power poles were blown down three miles east of Kirbyville in Newton County due to severe thunderstorm winds.									
<b>Jasper County</b>									
Buna	05	0239CST			0	0	5K		Thunderstorm Wind
Severe thunderstorm winds damaged a roof in Buna.									
<b>Jefferson County</b>									
China	05	0239CST			0	0	5K		Thunderstorm Wind
Several trees were blown down near China.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b><u>TEXAS, Southeast</u></b>									
Hardin County 8 W Kountze	22	1230CST			0	0			Hail (1.00)
Jasper County Evadale	22	1305CST			0	0			Hail (1.75)
Newton County Deweyville	22	1325CST			0	0			Hail (1.00)
Hardin County Lumberton	25	1535CST			0	0			Hail (0.75)
Orange County West Orange	25	2030CST			0	0			Thunderstorm Wind (G56)
SKYWARN observers reported 64 mph wind gusts.									
Jasper County Jasper	25	2310CST			0	0			Hail (1.75)
<b><u>TEXAS, West</u></b>									
Scurry County Snyder	02	1925CST 1935CST			0	0			Hail (0.88)
A Left-split storm accelerated northward through Scurry County and hit Snyder with hail up to nickel size and winds gusting to 47 mph.									
Culberson County Pine Spgs	09	1650MST			0	0			Hail (0.75)
Andrews County 2 S Florey	09	2120CST			0	0			Hail (1.00)
Thunderstorms developed along a frontal boundary near the western side of the southwest Texas Mountains. A severe thunderstorm was reported by Guadalupe Mountains National Park personnel at the Park in northwestern Culberson County. During the evening the frontal boundary began to move northward. A severe thunderstorm developed in Andrews County along this boundary and dropped quarter size hail north of Andrews.									
Midland County Greenwood	10	2055CST			0	0			Hail (1.00)
Midland County Greenwood	10	2100CST			0	0			Hail (1.00)
Scurry County 8 W Ira	10	2148CST			0	0			Hail (0.88)
Scurry County Fluvanna	10	2215CST			0	0			Thunderstorm Wind (G52)
Ector County 5 N Odessa	10	2255CST 2305CST			0	0			Hail (1.75)
Ector County 4 E Odessa	10	2311CST			0	0			Hail (1.75)
Midland County Maf	10	2318CST			0	0			Hail (1.25)
Midland County 3 SSW Midland	10	2330CST			0	0			Hail (1.75)
Crane County 9 N Crane	10	2345CST			0	0			Hail (1.00)
Midland County Greenwood	10	2347CST 2355CST			0	0			Hail (0.75)
Howard County Big Spring	11	0010CST			0	0			Hail (1.00)
Scurry County 15 W Snyder	11	0030CST			0	0			Thunderstorm Wind (G57)
Upton County Midkiff	11	0040CST			0	0			Hail (1.00)
Midland County 21 SE Midland	11	0052CST			0	0			Hail (1.00)

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>TEXAS, West</b>									
<b>Scurry County Snyder</b>	11	0101CST			0	0			<b>Hail (1.00)</b>
<b>Scurry County Snyder</b>	11	0101CST			0	0			<b>Thunderstorm Wind (G54)</b>
<b>Glasscock County Garden City</b>	11	0110CST			0	0			<b>Hail (0.75)</b>
					After over three hours of quiet weather following the earlier supercell in Gaines and Dawson Counties, some light showers moving eastward into Ector County (Odessa) rapidly intensified into multicell severe thunderstorms. Eventually these cells organized into a squall line east of Midland.				
<b>Gaines County Seminole</b>	10	1550CST			0	0			<b>Hail (1.75)</b>
<b>Gaines County 10 ESE Seminole to 12 E Seminole</b>	10	1621CST 1627CST	2.2	130	0	0	10K		<b>Tornado (F1)</b>
					The first tornado of this supercell formed just south of U.S. Highway 180 and moved to the ENE for much of its life, then veered sharply to the north as it roped-out crossing the highway. Two telephone poles were downed along the highway--one holding a transformer.				
<b>Gaines County 14 E Seminole</b>	10	1633CST 1643CST	2.6	250	0	0	80K		<b>Tornado (F2)</b>
					This second tornado was spawned about two miles east of were tornado #1 dissipated. This tornado tracked to the northeast and overturned two center-pivot irrigation systems. The second system looked as if a couple of sections had become airborne from the resulting damage which snapped off a large wheel.				
<b>Dawson County Welch</b>	10	1718CST 1723CST			0	0	300K		<b>Hail (2.50)</b>
<b>Dawson County 5 NE Welch</b>	10	1743CST 1745CST	0.2	80	0	0			<b>Tornado (F1)</b>
					This third tornado formed in open country northeast of Welch and was very short-lived. The storm then entered southwestern Lynn County (see Lubbock synopsis).				
					The beginnings of a monster storm were in western Andrews County along the dry line and began moving to the northeast. Just after leaving Seminole in central Gaines County this storm became a supercell and turned almost straight east. According to the KMAF 88D average storm movement was 221 degrees at 26 kt, but this supercell turned and slowed to 268 degrees at 14 kt (47 degrees to the right at 54% speed).				
					The storm continued into the Texas South Plains where it produced numerous other tornadoes and caused one fatality.				
					The environment for the storms according to the rawinsonde sounding that evening on the SHARP workstation showed a buoyancy of about 2800 J/kg for the best lifted parcel and 1700 J/kg for a mean low level parcel. A cap of 65 J/kg kept other storms from forming in the area.				
<b>Dawson County 6 NE Lamesa</b>	16	1722CST			0	0			<b>Hail (1.75)</b>
<b>Howard County 5 N Big Spring</b>	16	1722CST			0	0			<b>Hail (1.75)</b>
<b>Howard County Big Spring</b>	16	1729CST			0	0			<b>Hail (1.00)</b>
<b>Scurry County 5 W Ira</b>	16	1815CST			0	0			<b>Hail (1.00)</b>
<b>Howard County Sand Spgs</b>	16	1825CST 1840CST			0	0			<b>Hail (0.75)</b>
<b>Howard County Forsan</b>	16	1826CST			0	0			<b>Hail (0.75)</b>
<b>Scurry County Ira</b>	16	1845CST 1900CST			0	0			<b>Hail (1.75)</b>
<b>Scurry County Dunn</b>	16	1927CST			0	0			<b>Hail (1.00)</b>

# Storm Data and Unusual Weather Phenomena

April 1997

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

## TEXAS, West

No parameters were overly impressive with this series of events. Dew point temperature were only in the lower 50s and wind fields were weak at all levels. However, a cold front sagging into the area supplied a focus and lift for deep convection.

### **Midland County** 3 N Midland

22	2000CST			0	0			<b>Hail (0.88)</b>
----	---------	--	--	---	---	--	--	--------------------

A shallow cold front had moved through the region during the previous night, but upslope low level flow into the south-central New Mexico mountains developed thunderstorms. A strong northwesterly flow in the mid levels sent a large storm quickly to the southeast. Riding on top of the frontal inversion, the storm became very well organized with signs of very intense and sustained rotation. One brief unconfirmed funnel cloud was reported, but the cool layer of air near the surface apparently kept any rotations from lowering.

### **Reeves County** 10 SW Toyah

23	1924CST			0	0			<b>Hail (1.00)</b>
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### **Reeves County** 2 E Toyah

23	1930CST			0	0			<b>Hail (1.75)</b>
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### **Crane County** 1 SE Crane

23	2105CST			0	0	4K		<b>Thunderstorm Wind</b>
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Downburst winds from a thunderstorm knocked down trees and powerlines, and caused roof damage to a few houses.

Dew Point temperatures in the upper 40s did not seem promising for this evening, but with a strong northwest flow aloft, excellent relative inflow was established for these storms.

### **Dawson County** 5 SW Lamesa

24	1610CST 1612CST	0.2	40	0	0			<b>Tornado (F0)</b>
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A small landspout tornado was briefly generated southwest of Lamesa from a towering cumulus cloud. The cloud continued to evolve into a weak shower over Lamesa as it moved to the northeast.

### **Winkler County** 10 N Kermit

24	2225CST			0	0			<b>Hail (0.88)</b>
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### **Pecos County** Ft Stockton

24	2230CST			0	0			<b>Hail (0.75)</b>
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### **Pecos County** Ft Stockton

24	2230CST			0	0	5K		<b>Thunderstorm Wind</b>
----	---------	--	--	---	---	----	--	--------------------------

Downburst winds downed telephone lines and wind-driven hail broke windows in Fort Stockton.

### **Andrews County** 5 S Andrews

24	2318CST			0	0			<b>Hail (1.00)</b>
----	---------	--	--	---	---	--	--	--------------------

A day with all kinds of dynamics but little moisture. Wind fields were strong at all levels, but dew points were only in the mid 40s. Severe reports were only marginal compared to what some were expecting considering the very high shear and helicity values.

### **Borden County** Lake J B Thomas

16	1826CST			0	0			<b>Hail (0.88)</b>
----	---------	--	--	---	---	--	--	--------------------

### **Martin County** 4 ENE Flower Grove

16	1855CST			0	0			<b>Hail (1.50)</b>
----	---------	--	--	---	---	--	--	--------------------

### **Reagan County** 2 W Texon

16	1622CST			0	0			<b>Hail (0.75)</b>
----	---------	--	--	---	---	--	--	--------------------

## TEXAS, Western North

### **TXZ090**

**Clay**

05	1100CST			0	0	2K		<b>High Wind</b>
----	---------	--	--	---	---	----	--	------------------

High winds associated with a strong cold front blew part of the roof off a motel in Henrietta. Debris from the roof damaged the windshield of a car in the motel parking lot.

### **Clay County** Henrietta

22	0115CST			0	0			<b>Hail (0.88)</b>
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## UTAH, North, Central and South

### **UTZ002>004-007**

**Northern Wasatch Front/Brigham City/Ogden Bountiful - Salt Lake And Toole Valleys - Southern Wasatch Front/Lehi/Provo/Nephi - Wasatch Mountains I80 North**

02	0100MST 2200MST			0	20	4.3M		<b>High Wind (G88)</b>
----	--------------------	--	--	---	----	------	--	------------------------

A strong low pressure system in northern Arizona produced high winds across northern Utah. Gusty, easterly canyon winds caused damage especially near the canyons of the Wasatch Front. Some peak gusts included: Mt. Ogden (9600' ASL) 101 mph (88 kts), Ogden Canyon 89 mph (77 kts), BYU in Provo 73 mph (63 kts), and 63 mph (55 kts) at the U of U in Salt Lake City. Widespread damage occurred including trucks being blown over, roof damage, trees and fences uprooted and power outages. A small airplane was overturned at the Ogden airport.



# Storm Data and Unusual Weather Phenomena

April 1997

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

## UTAH, North, Central and South

**UTZ009-011-013-017>018-020>022** **Western Unita Mountains - Western Unita Basin - San Rafael Swell/Greene River/Hanksville - Central And Southwest Mountains - Southeast Mountains/Canyonlands - South Central Utah/Kanab/Escalante - Glen Canyon Recreation Area/Lake Powell - Southeast Utah/Blanding**

02	0200MST			0	0		Heavy Snow
04	2200MST						

The same low pressure system dumped heavy snow in southern Utah and a few places in the northeast. The Brian Head ski resort received 35". In the valleys, Teasdale (western Wayne county) measured 20". In northeast Utah, Manila (on the northern slopes of the Uinta mountains) had 21". There were no reports of damage or injuries due to heavy snow.

**UTZ003>004-006-008** **Salt Lake And Toole Valleys - Southern Wasatch Front/Lehi/Provo/Nephi - Wasatch Mountain Valleys/Huntsville/Park City/Heber - Wasatch Mountains South Of I80**

04	2100MST			0	2	50K	Heavy Snow
05	1200MST						

A cold front swept into northwest Utah on the evening of the 4th. Heavy snow bands developed over the Great Salt Lake. Generally the valleys received 2-6" with 9" measured on Wasatch Blvd. in eastern Slat Lake City. Both the Alta and Snowbird ski resorts had 2' of snow. Several traffic accidents occurred due to the heavy snow.

### Utah County

	05	1400MST	0.1	50	0	0	Tornado (F0)
Cedar Vly		1402MST					

Sometime on the afternoon of the 5th, a small tornado briefly touched down in western Utah County. The tornado was captured on videotape by a nearby resident. It surfaced in a field in the vicinity of Allen's Ranch (in the southern end of the Cedar Valley). There was no damage or injuries. This was only the 5th documented tornado in Utah for the month of April.

**UTZ005>011-016>017** **Great Salt Lake Desert And Mountains/Wendover/Snowville - Wasatch Mountain Valleys/Huntsville/Park City/Heber - Wasatch Mountains I80 North - Wasatch Mountains South Of I80 - Western Unita Mountains - Wasatch Plateau/Book Cliffs - Western Unita Basin - Southwest Utah/Cedar City/Milford - Central And Southwest Mountains**

09	0800MST			0	0	20K	Heavy Snow
10	1800MST						

An upper-level low pressure system developed over Utah during this time. Criteria snow fell in several locations around the state. Brian Head received the most with 23". In valley locations, Parowan had the most with 8". Several weather-related traffic accidents were reported.

**UTZ002** **Northern Wasatch Front/Brigham City/Ogden Bountiful**

10	0400MST			0	0	20K	High Wind (G50)
11	1300MST						

Along the Wasatch Front easterly canyon winds developed on both of these mornings. Gusts to 57 and 58 mph (50 kts) were observed on the Bountiful Bench. Minor damage was reported.

**UTZ016>017** **Southwest Utah/Cedar City/Milford - Central And Southwest Mountains**

12	0100MST			0	0	10K	Heavy Snow
	1300MST						

A disturbance moved through southern Utah dumping heavy snow in a few locations. Brian Head received 11" and Cedar City 8". A few traffic accidents occurred due to the snowfall.

### Utah County

	12	1637MST			0	0	20K	Thunderstorm Wind (G60)
Provo		1642MST						

High winds, apparently from a thunderstorm, surfaced in Provo. An aluminum patio roof was lifted for about 2 minutes then came tumbling down on 3 cars in a nearby driveway. A rain gutter was also blown off on the same house.

**UTZ001>011-015-019** **Cache Valley/Utah Portion - Northern Wasatch Front/Brigham City/Ogden Bountiful - Salt Lake And Toole Valleys - Southern Wasatch Front/Lehi/Provo/Nephi - Great Salt Lake Desert And Mountains/Wendover/Snowville - Wasatch Mountain Valleys/Huntsville/Park City/Heber - Wasatch Mountains I80 North - Wasatch Mountains South Of I80 - Western Unita Mountains - Wasatch Plateau/Book Cliffs - Western Unita Basin - West Central Utah/Delta - Utah'S Dixie And Zion National Park**

23	1100MST			0	0	40K	Winter Storm
24	1300MST						

A strong cold front tore through the state during this time. High winds occurred along this front causing some minor damage. Some peak wind gusts were: 66 mph (57 kts) in St. George, 60 mph (52 kts) in Dugway and 58 mph (50 kts) in Stansbury Park. Heavy snow fell in some locations as well. The Cottonwood Canyon ski resorts received about 20" of snow. In the valleys, Kanosh had the most with 8". A small plane was rolled by high winds into a nearby fence at the St. George airport.

## UTAH, Northeast

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## VERMONT, North and Central

**VTZ001>003-005>006- Grand Isle - Franklin - Orleans - Chittenden - Lamoille - Washington - Addison - Rutland - Windsor 008>009-011>012**

<b>18</b>	<b>1000EST</b>			<b>0</b>	<b>0</b>	<b>220K</b>	<b>Winter Storm</b>
<b>19</b>	<b>0200EST</b>						

A storm system intensified off the southern New England coast Thursday night (4/17/97) and Friday (4/18/97). The storm system slowly drifted east and out to sea Saturday (4/19/97).

Heavy wet snow fell across portions of the area. Topography and elevation played an important role in snowfall amounts. The greatest snowfall amounts were along and west of the Green Mountains where some power outages resulted. East of the Green Mountains, milder maritime air resulted in mostly rain or a wet mix of rain and snow.

The heaviest snowfall amounts were as follows:

Huntington Center (Chittenden County)....15.8 inches  
 East Wallingford (Rutland County).....14 inches  
 South Woodstock (Windsor County).....14 inches  
 South Lincoln (Addison County).....13.5 inches  
 Williamstown (Orange County).....12 inches  
 Eden (Lamoille County).....7 inches  
 Berkshire (Franklin County).....4 inches  
 Northfield (Washington County)....3 inches  
 Sutton (Caledonia County).....1 inch  
 Springfield (Windsor County).....Trace Snow

## VERMONT, South

**VTZ013**

**Bennington**

<b>18</b>	<b>0500EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>Heavy Snow</b>
<b>19</b>	<b>0800EST</b>						

On April 18 and 19, a low pressure system deepened rapidly off the coast of Long Island. This late season winter storm dumped heavy snow across Bennington County in southern Vermont. The heavy wet snow downed several trees which resulted in isolated power outages. Some specific snowfall totals included: 8 inches at Pownal, 7 inches at Dorset and 8 inches at Sunderland.

**VTZ013>014**

**Bennington - Windham**

<b>01</b>	<b>0000EST</b>			<b>0</b>	<b>0</b>		<b>Winter Storm</b>
	<b>0600EST</b>						

On March 31 and April 1, a classic late season nor'easter tracked from the Chesapeake Bay area northeast to central coastal New Jersey then slowly out to sea. This system produced rain across Bennington and Windham Counties during the morning hours of March 31. The rain changed to heavy wet snow by early afternoon. Snowfall amounts were highly elevation dependent. Some specific snowfall totals included: 12 inches at Shaftsbury and 13 inches at Peru in Bennington County and 23 inches at West Wardsboro and 12 inches at Grafton in Windham County. The wet snow brought down many trees and power lines causing widespread power outages and road closures. Some areas remained without power for several days. Route 9, between Bennington and Brattleboro was closed for much of the night. See the March 1997 Storm Data report for damage amounts.

## VIRGIN ISLANDS

### St. John County

**St. John**

<b>01</b>	<b>1520AST</b>			<b>0</b>	<b>0</b>		<b>Waterspout</b>
	<b>1535AST</b>						

A mariner reported a waterspout south of the island of St. John.

### St. Thomas County

**St. Thomas**

<b>03</b>	<b>1120AST</b>			<b>0</b>	<b>0</b>		<b>High Swells</b>
	<b>2359AST</b>						

V.I. Radio reported a boat washed ashore on Inner Brass Island along the north coast of St. Thomas.

### St. John County

**St. John**

<b>03</b>	<b>1900AST</b>			<b>0</b>	<b>0</b>		<b>High Swells</b>
	<b>2359AST</b>						

The National Park Service in St. John reported ground swells in excess of nine feet across the northern beaches with some beaches closed due to flooding.

### St. Thomas County

**St. James Island**

<b>19</b>	<b>1915AST</b>			<b>0</b>	<b>0</b>		<b>Waterspout</b>
	<b>1930AST</b>						

A mariner reported a waterspout just west of Christmas Cove in St. James Island.

### St. Thomas County

**St. Thomas to  
St. Thoma**

<b>20</b>	<b>1716AST</b>			<b>0</b>	<b>0</b>		<b>Waterspout</b>
	<b>1730AST</b>						

Three waterspouts were reported 20 miles southeast of St. Thomas.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## VIRGIN ISLANDS

### VIRGINIA, East

<b>VAZ091-094&gt;095-098</b>	<b>York - Newport News - Norfolk - Virginia Beach</b>								
	23	1830EST			0	0	0		<b>Coastal Flooding</b>
	24	1100EST							

Moderate coastal flooding occurred across portions of the Hampton Roads area during the time of high tide Wednesday evening, April 23rd and continued into Thursday morning, April 24th. The areas most seriously affected included the Willoughby Spit, Ghent, and downtown sections of Norfolk, the Old-Town section of Portsmouth, the Buckroe Beach and Grandview sections of Hampton and the Sandbridge section of Virginia Beach. Tides peaked at 5.8 feet above Mean Lower Low Water (MLLW) at Sewells Point in Norfolk. Based on reports received from downtown Norfolk and the Grandview section of Hampton, tides were somewhat higher in the estuaries (Lafayette River, the Hague, the Harris and Back Rivers) draining into the Elizabeth River and Hampton Roads. Minor coastal flooding was reported in portions of Newport News and York county.

### VIRGINIA, Extreme Southwest

<b>Scott County</b>									
	Gate City	12	1930EST			0	0		<b>Hail (1.75)</b>
<b>Washington County</b>									
	W Of Bristol	12	2005EST			0	0	2K	<b>Thunderstorm Wind</b>
A severe thunderstorm knocked down a tree a few miles west of Bristol.									
<b>Washington County</b>									
	Lodi	12	2052EST			0	0		<b>Hail (1.00)</b>

### VIRGINIA, North

<b>VAZ021-025&gt;031-036&gt;042-050-052</b>	<b>Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Prince William</b>								
	10	0200EST			0	0	18.0M		<b>Agricultural Freeze</b>
		0700EST							

A record cold arctic air mass overspread the northern Virginia piedmont and the Shenandoah Valley over night on the 9th and 10th, dropping temperatures into the upper teens to lower 20s across the entire area. These temperatures arrived on the heels of an above normal winter season, especially pronounced in late March, when peach and apple blossoms reached critical bloom stage up to 2 weeks ahead of schedule.

Accelerated growth in the central Shenandoah Valley led to the highest kill percentage. Estimates from agricultural extension agents of the Virginia Dept. of Emergency Services showed at least 70 to 90 percent "kill" of the peach crop, and similar kills among the Red Delicious apple crop. Some of the statistics include: Clarke Co (VAZ031), \$1.36 million, involving over 2800 acres; Frederick Co (VAZ028), 7200 apple and 420 peach acres significantly damaged; Warren Co (VAZ030), over 500 acres affected. Golden Delicious apples, a normally later blooming variety, escaped a major kill. Berry fruits sustained partial (but still substantial) kills.

Across the northern Shenandoah Valley and piedmont, kills ranged from 30 to 70 percent - mainly due to slightly less accelerated growth.

### VIRGINIA, Northwest

<b>VAZ003&gt;004</b>	<b>Dickenson - Buchanan</b>								
	01	0100EST			0	0			<b>Prolong Cold</b>
	30	2300EST							

The monthly average temperature was 4 to 5 degrees cooler than usual. The coolest readings came on the 9th, 10th, 14th, and 15th. Clintwood had 18 degrees on the 10th. Birchleaf had 20 degrees, while Grundy registered 23 degrees. The cool nights slowed the sprouting of the new spring vegetation.

### VIRGINIA, Southwest

<b>Halifax County</b>									
	Countywide	29	0033EST			0	0		<b>Urban/Sml Stream Fld</b>
			0830EST						
<b>Danville (C)</b>									
	3 E Danville	29	0505EST			0	0		<b>Flash Flood</b>
			0830EST						
<b>Pittsylvania County</b>									
	2 E Chatham	29	0600EST			0	0		<b>Flash Flood</b>
			0800EST						

Heavy rain during the late evening hours on the 28th and morning hours on the 29th produced flash flooding and urban/small stream flooding. Flash flooding resulted in the closing of route several roads throughout Halifax County. Heavy rainfall on the east side of Danville flooded Fall Creek which resulted in some evacuations. In addition, route 703 near Chatham in Pittsylvania County was flooded and closed.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## VIRGINIA, Southwest

### **Pittsylvania County**

**Kentuck**      28      1020EST      0      0      3K      **Lightning**  
 A lightning strike during the morning hours on the 28th started a small fire and damaged a telephone, garage door openers, a radio receiver and other low voltage equipment at the Ringgold volunteer Fire department station in Kentuck.

### **VAZ016**

**Carroll**  
**01**      0200EST      0      0      7K      **High Wind**  
 1100EST

High winds between mile markers 2 and 3 on interstate 77 blew over a trailer full of kayaks and damaged a tractor-trailer.

### **VAZ035**

**Amherst**  
**01**      1600EST      0      0      6K      **High Wind**  
 2000EST

High winds knocked down a large tree in Faulconerville. The tree fell on and crushed two cars.

### **VAZ023**

**Botetourt**  
**09**      0400EST      0      0      100K      **Extreme Cold**  
 0830EST

Temperatures in the 20s during the morning hours on the 9th damaged apple and peach crops in Botetourt County.

### **VAZ023**

**Botetourt**  
**10**      0400EST      0      0      100K      **Extreme Cold**  
 0830EST

Temperatures in the 20s during the morning hours on the 10th damaged apple and peach crops in Botetourt County.

### **VAZ023**

**Botetourt**  
**15**      0400EST      0      0      100K      **Extreme Cold**  
 0800EST

Temperatures in the 20s during the morning hours on the 15th damaged apple and peach crops in Botetourt County.

### **VAZ023**

**Botetourt**  
**16**      0400EST      0      0      100K      **Extreme Cold**  
 0800EST

Temperatures in the 20s during the morning hours on the 16th damaged apple and peach crops in Botetourt County.

### **VAZ035**

**Amherst**  
**09**      0400EST      0      0      200K      **Extreme Cold**  
 0830EST

Temperatures in the 20s during the morning hours on the 9th damaged apple, peach, and grape crops in Amherst County.

### **VAZ035**

**Amherst**  
**10**      0400EST      0      0      200K      **Extreme Cold**  
 0830EST

Temperatures in the 20s during the morning hours on the 10th damaged apple, peach, and grape crops in Amherst County.

### **VAZ035**

**Amherst**  
**15**      0400EST      0      0      50K      **Extreme Cold**  
 0800EST

Temperatures in the 20s during the morning hours on the 15th damaged apple, peach, and grape crops in Amherst County.

### **VAZ035**

**Amherst**  
**16**      0400EST      0      0      50K      **Extreme Cold**  
 0800EST

Temperatures in the 20s during the morning hours on the 16th damaged apple, peach, and grape crops in Amherst County.

## WASHINGTON, Northeast

NONE REPORTED.

## WASHINGTON, Northwest

### **WAZ033-036>037**

**Washington Palouse - Spokane Area - Northeast Mountains**  
**03**      0800PST      0      1      10K      **High Wind (G56)**  
 1900PST

Winds gusting to more than 50 mph around Omak downed power lines and trees and caused traffic problem in Ephrata. Several cars were damaged and there were some power outages in Omak as well. Wind and dust contributed to an accident with one injury.

### **King County**

**Snoqualmie**      03      1500PST      0      1      **Lightning**  
 A woman holding an umbrella was struck by lightning.

### **Snohomish County**

**Lynnwood**      10      1600PST      0      0      35K      **Lightning**  
 A lightning strike, which hit a house and a tree, peeled the bark off the tree, cracked a concrete patio, broke several windows and

# Storm Data and Unusual Weather Phenomena

April 1997

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

## WASHINGTON, Northwest

damaged electrical outlets and a natural gas line. It also damaged several appliances and parts of the drywall in the house.

<b>WAZ035-037</b>	<b>Upper Columbia Basin - Northeast Mountains</b>	<b>20</b>	<b>0700PST</b>		<b>0</b>	<b>0</b>			<b>High Wind (G54)</b>
			<b>1900PST</b>						

Wind around 40 mph with gusts to 60 mph knocked out power to 3000 homes.

## WASHINGTON, Southeast

<b>WAZ025</b>	<b>East Slopes Southern Cascades</b>	<b>20</b>	<b>1800PST</b>		<b>0</b>	<b>0</b>			<b>Flood</b>
		<b>21</b>	<b>1100PST</b>						

Rising water in the Yakima river cut through a levee and covered parts of a golf course. Twelve families were evacuated early Monday when it was feared that another levee would fail.

## WASHINGTON, Southwest

NONE REPORTED.

## WEST VIRGINIA, East

<b>WVZ048&gt;055</b>	<b>Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy</b>	<b>10</b>	<b>0200EST</b>		<b>0</b>	<b>0</b>			<b>9.4M Agricultural Freeze</b>
			<b>0700EST</b>						

A record cold arctic air mass overspread eastern West Virginia overnight on the 9th and 10th, dropping temperatures into the mid teens to lower 20s. These temperatures came on the heels of an above normal winter season. Warm temperatures in late March allowed apple and peach blossoms to reach critical bloom stage about 1 week ahead of schedule. Significant, but not total, kills of peaches and Red Delicious apples were noted. In general, the apple crop sustained 50 percent damage, but the peach crop kill range from 60 to 90 percent. Berries also sustained large kills.

Some of the notable damaged acres included: Berkeley Co (WVZ052), 8500 acres; Hampshire Co (WVZ050), 4000 acres; Jefferson Co, 1700 acres.

## WEST VIRGINIA, North

<b>WVZ023</b>	<b>Preston</b>	<b>17</b>	<b>1500EST</b>		<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
		<b>18</b>	<b>0700EST</b>						

Rain showers changed to snow showers during the afternoon and continued into the night, following the passage of a strong cold front. The heaviest accumulation was in the higher terrain of the West Virginia mountains. Six inches fell at Terra Alta, while only 2 inches fell at Rowlesburg in the lower elevations of Preston County. Four inches of snow fell at Canaan Valley Resort State Park in Tucker County.

## WEST VIRGINIA, Southeast

NONE REPORTED.

## WEST VIRGINIA, West

<b>WVZ037&gt;040-046&gt;047</b>	<b>Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph</b>	<b>17</b>	<b>2100EST</b>		<b>0</b>	<b>0</b>			<b>Snow</b>
		<b>18</b>	<b>0300EST</b>						

A snow depth of 2 to 4 inches was left on the ground for dawn on the 18th. This included the Tygart River Valley around Elkins. The high mountain ridges around Snowshoe and Kumbrabow State Forest had 6 inches on the ground.

<b>WVZ005&gt;011-013&gt;020-024&gt;040-046&gt;047</b>	<b>Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - McDowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph</b>	<b>01</b>	<b>0100EST</b>		<b>0</b>	<b>0</b>			<b>Prolong Cold</b>
		<b>30</b>	<b>2300EST</b>						

The monthly average temperature was 4 to 5 degrees colder than usual. It was the 4th coldest April this century at Elkins, and the 5th coldest at Charleston. The coldest temperatures came on the 9th and 10th of the month. Dawn temperatures fell into the upper teens and lower 20s for the lowlands. The 21 degrees at Charleston on the 10th was a record for the date. Readings in the mountains at dawn were mostly in the teens. The coldest was Snowshoe with 8 degrees and Gladys with 9 degrees on the 10th. Highs on the 9th were only in the 30s and lower 40s. The exception was the high mountains, where Snowshoe reached only 22 degrees. Highs on the 13th were also unusually cold, with more 30s and 40s. Another cold morning was on the 15th. Readings were in the upper teens to upper 20s. The 24 degrees at Beckley was a record for the 15th. After the mild winter, the sprouting of the spring vegetation was slowed during April. Some sensitive trees, like the Japanese maple, dropped their initial leaves. Early apples, peaches, ornamental plants, and shrubs such as the lilac, were also affected. The monetary value of this damage was

# Storm Data and Unusual Weather Phenomena

April 1997

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

**WEST VIRGINIA, West**

unknown.

**WISCONSIN, Extreme Southwest**

NONE REPORTED.

**WISCONSIN, Northeast**

<b>Wood County</b> 2 W Pittsville	05	1820CST			0	0	40K		<b>Thunderstorm Wind</b>
<b>Waushara County</b> Hancock	05	1845CST			0	0	2K		<b>Thunderstorm Wind</b>
<b>Portage County</b> Bancroft	05	1850CST			0	0	1K		<b>Thunderstorm Wind</b>
<b>Portage County</b> 10 W Stevens Pt	05	1855CST			0	0	2K		<b>Thunderstorm Wind</b>
<b>Portage County</b> Whiting	05	1900CST			0	0			<b>Lightning</b>

A small line of thunderstorms produced strong winds across Wood, Portage and western Waushara counties. The most significant damage occurred 2 miles west of Pittsville, where several barns and outbuildings were blown down. Scattered trees and power lines were also levelled. A house was set fire by lightning in the Whiting (Portage county) area.

**WIZ005-010>013-018>022-030>031-035>040-045-048>050** **Vilas - Oneida - Forest - Florence - Marinette - Lincoln - Langlade - Menominee - Oconto - Door - Marathon - Shawano - Wood - Portage - Waupaca - Outagamie - Brown - Kewaunee - Waushara - Winnebago - Calumet - Manitowoc**

06	0800CST 2000CST			1	0	149K		<b>High Wind</b>
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A strong cold front ushered in wind gusts over 50 mph across much of northeast Wisconsin. Winds were measured as high as 54 mph in Green Bay (Brown county), 58 mph west of Appleton (Outagamie county) and 63 mph at the Outagamie county airport in Appleton. The Marinette Civic Center recreation dome, worth \$100,000, collapsed in Marinette county. Many trees were reported down, signs were blown over and power was lost in several locations across northeast Wisconsin. A few houses sustained damage from fallen trees. One barn was blown over in Outagamie county. A fishing boat was overcome by the high winds and waves on the Wisconsin River 2 miles south of the Du Bay dam in Portage county. A 67 year old male drowned. Two others on the boat survived.

The strong winds pushed large chunks of ice, as high as 30 feet, onto the shores of Door county at Shoemaker Point, in the far southwest part of the county. These chunks of ice, known as "ice shoves," were 10 to 13 feet high on parts of Lake Winnebago (Winnebago county, Calumet county), Shawano Lake (Shawano county) and south of Oconto (Oconto county) on Green Bay. Trees, boat docks and boat houses were damaged in some of these locations. Some houses were also threatened by the ice shoves. M67BO

**WIZ049>050** **Calumet - Manitowoc**

12	1000CST 1600CST			0	0			<b>Heavy Snow</b>
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A quick shot of heavy snow fell in the far southern portions of Calumet and Manitowoc counties. New Holstein (Calumet county) and Kiel (Manitowoc county) measured 6 inches of snow. Highway 32/57 was closed for a period of time due to white-out conditions and numerous accidents.

**Portage County**  
**Plover**

04	0045CST			0	0			<b>Lightning</b>
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Lightning struck a home in Plover, causing considerable damage. A window was blown out, some of the siding was knocked off, attic walls collapsed, and two fires kindled. Three occupants escaped injury.

**WIZ050** **Manitowoc**

30	1800CST 2359CST			0	0	3K		<b>High Wind</b>
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Winds gusting over 50 mph caused minor damage in the Two Rivers and Manitowoc areas of Manitowoc county. A sign was damaged, a basketball standard broke off and fell on a pickup truck, and a few trees and power lines were downed by the wind.

**WISCONSIN, Northwest**

**WIZ003** **Ashland**

02	1915CST			0	0			<b>Flood</b>
03	0700CST							

Water began rising on the Bad River near Odanah due to rapid snowmelt and a significant amount of ice on the river. Flooding was restricted to low-lying, uninhabited areas.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## WISCONSIN, Northwest

<b>WIZ003</b>	<b>Ashland</b>	<b>05 2100CST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
		<b>06 1130CST</b>							
Ice jams and previous high water levels from snowmelt on the Bad River caused water to start spilling over U.S. Highway 2 near Odanah. Some people were evacuated, but no homes were reported damaged. Some secondary roads in low-lying areas were flooded.									

## WISCONSIN, Southeast

<b>Lafayette County</b>	<b>Darlington</b>	<b>05 1640CST</b>			<b>0</b>	<b>0</b>	<b>400K</b>		<b>Thunderstorm Wind</b>
Powerful thunderstorm winds ripped off the roof of the Darlington Municipal building, damaged a couple roofs of nearby homes, and flattened two farm sheds 4 miles south of Darlington.									
<b>Iowa County</b>	<b>1 N Linden</b>	<b>05 1700CST</b>			<b>0</b>	<b>0</b>	<b>30K</b>		<b>Thunderstorm Wind</b>
Intense thunderstorm winds pushed over 12 powerlines just north of Linden.									
<b>Rock County</b>	<b>Beloit</b>	<b>05 1707CST</b>			<b>0</b>	<b>0</b>	<b>65K</b>		<b>Thunderstorm Wind</b>
Powerful thunderstorm winds tore several facids off buildings, and toppled large trees and power lines in and near Beloit. Other nearby rural areas also had large trees blown over.									
<b>Green County</b>	<b>1 N Browntown to 3 N Browntown</b>	<b>05 1710CST</b>			<b>0</b>	<b>0</b>	<b>35K</b>		<b>Thunderstorm Wind</b>
Powerful thunderstorm winds damaged roof sections on farm sheds on 4 adjacent farms, as well as peeled some siding on the homes. Large trees were also leveled.									
<b>Lafayette County</b>	<b>Gratiot</b>	<b>05 1625CST</b>			<b>0</b>	<b>0</b>	<b>100K</b>		<b>Thunderstorm Wind</b>
Powerful thunderstorm winds ripped the roof off a building, and flattened 2 farm sheds just northeast of Gratiot.									
<b>Rock County</b>	<b>Janesville</b>	<b>05 1715CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind</b>
Intense thunderstorm winds toppled large trees in and around the city of Janesville.									
<b>Iowa County</b>	<b>3 W Arena</b>	<b>05 1720CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind</b>
Intense thunderstorm winds pushed over large trees west of the village of Arena.									
<b>Walworth County</b>	<b>Walworth</b>	<b>05 1721CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind</b>
Powerful thunderstorm winds toppled large trees and power lines in and near the village of Walworth.									
<b>Sauk County</b>	<b>Spring Green</b>	<b>05 1722CST</b>			<b>0</b>	<b>0</b>	<b>80K</b>		<b>Thunderstorm Wind</b>
Powerful thunderstorm winds raked the Spring Green area. Large trees were toppled, shingles and siding were torn off some homes, and a nearby old barn was pushed completely off its foundation. Road signs were also damaged.									
<b>Walworth County</b>	<b>2 SSW Whitewater</b>	<b>05 1725CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind</b>
Intense thunderstorm winds knocked over large trees south/southwest of Whitewater.									
<b>Dane County</b>	<b>Verona</b>	<b>05 1725CST</b>			<b>0</b>	<b>0</b>	<b>7K</b>		<b>Thunderstorm Wind (G50)</b>
Powerful thunderstorm winds, measured at 58 mph by a local HAM, pushed over several large trees in Verona.									
<b>Walworth County</b>	<b>Allen Grove</b>	<b>05 1726CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind</b>
Intense thunderstorm winds toppled large trees in and around the village of Allen Grove.									
<b>Jefferson County</b>	<b>1 S Hebron</b>	<b>05 1730CST</b>			<b>0</b>	<b>0</b>	<b>100K</b>		<b>Thunderstorm Wind</b>
Powerful thunderstorm winds tore two-thirds of a pole barn's roof off, and blew an unused garage door into the side of the barn.									
<b>Rock County</b>	<b>Johnstown</b>	<b>05 1730CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind</b>
Intense thunderstorm winds toppled large trees in and near Johnstown.									
<b>Dane County</b>	<b>Sun Prairie</b>	<b>05 1735CST</b>			<b>0</b>	<b>0</b>	<b>8K</b>		<b>Thunderstorm Wind</b>
Powerful thunderstorm winds blew over large trees in and near Sun Prairie.									

# Storm Data and Unusual Weather Phenomena

April 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<b>WISCONSIN, Southeast</b>									
<b>Dane County</b> Stoughton	05	1740CST			0	0	15K		Thunderstorm Wind
									Intense thunderstorm winds toppled large trees and powerlines in Stoughton.
<b>Columbia County</b> Lodi	05	1752CST			0	0	8K		Thunderstorm Wind
									Powerful thunderstorm winds leveled large trees in and near Lodi.
<b>Columbia County</b> 3 W Columbus	05	1800CST			0	0	13K		Thunderstorm Wind
									Intense thunderstorm winds toppled large trees, one which fell on an automobile. Some of the trees block local roads for a while.
<b>Racine County</b> 3 NE Waterford	05	1802CST			0	0	15K		Thunderstorm Wind
									Powerful thunderstorm winds toppled large trees and powerlines in the rural area northeast of Waterford.
<b>Green Lake County</b> Marquette	05	1810CST			0	0	7K		Thunderstorm Wind (G52)
									Emergency Management reported large trees blown over due to intense thunderstorm winds measured at 60 mph.
<b>Dodge County</b> Beaver Dam	05	1813CST			0	0	35K		Thunderstorm Wind (G51)
									Powerful thunderstorm winds toppled large trees and powerlines in and near Beaver Dam. Just south of Beaver Dam, this same thunderstorm tore a steel door and part of a rood off a farm shed.
<b>Waukesha County</b> Mukwonago	05	1815CST			0	0	12K		Thunderstorm Wind
									Powerful thunderstorm winds pushed over large trees and powerlines in and near Mukwonago.
<b>Marquette County</b> Montello	05	1815CST			0	0	5K		Thunderstorm Wind
									Intense thunderstorm winds toppled large trees in and near the city of Montello.
<b>Green Lake County</b> Berlin	05	1825CST			0	0			Hail (0.75)
<b>Washington County</b> West Bend	05	1830CST			0	0	9K		Thunderstorm Wind
									Powerful thunderstorm winds toppled large trees in and around West Bend.
<b>WIZ056</b>									<b>Sauk</b>
	06	0600CST 2000CST			0	0	16K		High Wind
									Strong gradient winds were enhanced in areas of snow showers (transfer of higher level momentum downward to the surface due to mixing), resulting in scattered reports of high winds and damage. A storage metal building was damaged in Baraboo. A tree fell on top of a camper vehicle in Lake Delton. Felled trees briefly blocked roads in Reedsburg. In Spring Green, home gutters were torn down, and road and advertizing signs were destroyed. Over in Merrimac, there was roof and soffet damage on a home. Elsewhere, there were scattered reports of large trees pushed over by the high winds whose gusts were estimated in the range of 60 to 70 mph.
<b>WIZ068</b>									<b>Green</b>
	06	0900CST 2100CST			0	0	80K		High Wind (G56)
									Strong gradient winds were enhanced in scattered snow showers, resulting in scattered pockets of high winds and damage. At 1257 CST a 64 mph wind gust was recorded in Monroe. In Monroe, a chimney was knocked over, and there was stop sign damage. Across the entire county there were scattered reports of trees pushed over. About 1 mile east of Jordon Center the high winds knocked over corn cribs, and damaged a barn and silo.
<b>WIZ067</b>									<b>Lafayette</b>
	06	0900CST 2000CST			0	1	75K		High Wind
									Strong gradient winds, enhanced by scattered snow showers, resulted in high winds which forced the collapse of a barn 1.5 miles southeast of South Wayne. Several of the milk cows inside the barn were killed, and 20 of them were trapped. The high winds also flipped over a pickup truck pulling a hay wagon about 3 miles northeast of Darlington. The driver was seriously injured in the rollover and was hospitalized. Elsewhere, the high winds blew over large trees in scattered parts of the county.
<b>WIZ063</b>									<b>Dane</b>
	06	0900CST 2100CST			1	0	120K		High Wind (G62)
									Strong gradient winds, enhanced by scattered snow showers (transfer of higher level momentum downward to surface by mixing), resulted in scattered damage reports. In Sun Prairie, the high winds, measured at 66 mph, blew open a glass door in a restaurant. The glass debris struck and injured an elderly women, who died from the injuries the next day. The Madison TV-3 weather station recorded a peak wind gust of 71 mph at 1715 CST. In the civil Town of Dane, a gust of 61 mph was noted. Southeast of Mount Horeb, the high winds forced the collapse of a barn. A camper vehicle was tipped over on by the powerful winds on Highway 113.



# Storm Data and Unusual Weather Phenomena

April 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

## WISCONSIN, Southeast

The high winds also toppled large trees in scattered areas across the entire county. One tree in Monona fell against a home and damaged its siding and windows. Power outages were noted. People described the wind-driven debris as "missiles flying through the air." F800T

**WIZ069**

**Rock**

**06 0900CST 2000CST 0 0 250K High Wind**

Strong gradient winds, enhanced by gusts generated in snow showers, resulted in periods of high winds across the county. Damage was scattered throughout the county. In Beloit, the powerful winds blew off part of a tennis center's roof (Loves Park), and flipped part of a home's roof onto a nearby pickup truck. On the east side of Janesville, the high winds peeled off a building's roof sheets around 1400 CST. Southwest of Janesville, the winds tore off a church's roof. In and around Janesville, there were scores of road signs damaged or twisted. In Clinton, the wind toppled trees, billboard signs, and mailboxes; besides tearing off pieces of a home's roof. Over in Edgerton, missiles of metal broke some windows, and large trees were pushed over. Scattered over the remainder of the county there were reports of trees knocked over, roof shingles and siding ripped off homes, as well as some shed and barn damage. Wind gusts were estimated in the 60 to 75 mph range.

**WIZ064**

**Jefferson**

**06 0830CST 2000CST 0 0 100K High Wind (G63)**

Strong gradient winds, enhanced by higher gusts associated with snow showers, resulted in periods of high winds across the county. Wind damage was noted across different parts of the county. The high winds were estimated to be gusting in the 60 to 75 mph range. At the Watertown Airport, a peak gust of 73 mph was clocked at 1250 CST. The NWS Forecast Office near Sullivan had a measured gust of 63 mph at 1700 CST. At the Palmyra Airport around 1400 CST, the high winds completely demolished two hangers under construction, and damaged 3 others. An airplane and pickup truck at this airport were also damaged by flying debris. The Fort Atkinson area was periodically raked by the high winds which blew over large trees, some which damaged nearby homes. It was the same story in and around the city of Jefferson where large trees were toppled, and some damage was noted to TV antennas and business signs. Many other communities in this county also reported large trees blown down.

**WIZ058**

**Dodge**

**06 0900CST 2000CST 0 0 100K High Wind (G71)**

Strong gradient winds, enhanced by gusts associated with snow showers, resulted in periods of high winds across Dodge county. A peak wind gust of 82 mph was measured near Resseville at 1730 CST. Throughout the county there were reports of large trees, power lines, road signs, and stop signs blown over by the high winds. There were also reports of roof shingles and shed doors being ripped off of buildings. In Hustiford, and metal shed was blown down, and there were a couple reports of old barns being demolished by the winds.

**WIZ059**

**Washington**

**06 0900CST 2000CST 0 0 50K High Wind (G62)**

Strong gradient winds, enhanced by gusts associated with snow showers, resulted in periodic high winds across Washington county. A peak wind gust of 71 mph was measured in the late afternoon at the UW campus in West Bend. Throughout the county there were reports of downed trees, and power lines. In West Bend, a tree fell on and damaged a van, and somewhere else in the city a metal pole shed was destroyed by the winds. In Hartford, the high winds toppled a large tree which then damaged a car.

**WIZ052**

**Sheboygan**

**06 1000CST 2000CST 0 0 25K High Wind**

Strong gradient winds, enhanced by gusts associated with snow showers, resulted in periodic reports of downed trees and power lines throughout Sheboygan county. The winds were estimated to be in the 60 to 70 mph range. A gust of 62 mph was measured in Sheboygan.

**WIZ051**

**Fond Du Lac**

**06 0900CST 2000CST 0 0 80K High Wind**

Strong gradient winds, enhanced by higher gusts associated with snow showers, resulted in periodic reports of downed trees and power lines through the county. The peak gusts were estimated to be in the 60 to 75 mph range. A gust of 61 mph was measured in Fond du Lac at 0909 CST. The high winds tore metal roof pieces off a barn on Highway 45 east of Eden. Elsewhere across the county there were numerous reports of road signs, billboards, and mailboxes damaged directly by the high wind gusts or flying debris.

**WIZ065**

**Waukesha**

**06 0900CST 2359CST 0 0 180K High Wind (G65)**

Strong gradient winds, enhanced by higher gusts associated with snow showers, periodically resulted in damage reports across Waukesha county. Throughout the county, large trees and powerlines were pushed over. At one point in time, nearly half of the county was without electrical service. A peak wind speed of 75 mph was measured in Big Bend around 1700 CST. At the Waukesha Airport, 5 hanger doors were damaged by the winds. Overhead garage doors were torn off on the UW-Waukesha Tech campus. In Elm Grove a fallen tree damaged a car. In Hartland, a fallen tree damaged a garage door. In Brookfield, a skylight

# Storm Data and Unusual Weather Phenomena

April 1997

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

## WISCONSIN, Southeast

window was damaged by a toppled tree. Over in New Berlin, a home's chimney was damaged by the winds, and a nearby church's roof was partially peeled off.

**WIZ070**

**Walworth**

<b>06</b>	1000CST 2100CST	<b>0</b>	<b>0</b>	<b>120K</b>	<b>High Wind (G70)</b>
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Strong gradient winds, enhanced by higher gusts associated with rain and snow showers, resulted in periodic reports of wind damage throughout Walworth county. A peak gust of 80 mph was measured in Lake Geneva. Throughout the county there were reports of toppled trees and powerlines, and missing roof shingles. In East Troy a construction trailer was blown away, and a tree fell through a home, causing major damage. Near Delavan, the high winds tore off a barn's roof. In Bloomfield the winds peeled off a small school's roof.

**WIZ071**

**Racine**

<b>06</b>	1100CST 2359CST	<b>0</b>	<b>0</b>	<b>0.10K</b>	<b>High Wind</b>
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Strong gradient winds, enhanced by higher gusts associated with scattered rain and snow showers, periodically resulted in wind damage across Racine county. The wind gusts were estimated to be in the 60 to 75 mph range. Throughout the county there were reports of toppled trees and some power lines. In Waterford, the high winds tore off part of a home's roof. In Racine, several cars were damaged by fallen trees around 1300 CST. Near the intersection of Highway 50 and Interstate 94, a construction companies portable office was knocked off its moorings. Southwest of Yorkville, several power poles were snapped at their base by the high winds (trees did not do this).

**WIZ072**

**Kenosha**

<b>06</b>	1100CST 2359CST	<b>0</b>	<b>2</b>	<b>300K</b>	<b>High Wind (G67)</b>
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Strong gradient winds, enhanced by higher gusts associated with scattered rain and snow showers, periodically resulted in wind damage reports across Kenosha county. For much of the afternoon and evening, the sustained winds were in the 40-45 mph at the Kenosha Coast Guard station, where a peak gust of 77 mph was clocked at 1600 CST. A gust of 76 was noted at the Kenosha airport at about 1650 CST. Throughout the county, hundreds of trees were toppled, and many powerlines were blown over. In Somers, the high winds destroyed a pole shed. This shed's roof debris then hit a pickup truck, injuring the driver who was hospitalized. Also in Somers, around 1900 CST, the high winds tipped over a 12000 bushel silo. A pole barn in Paris was shredded by the high winds. At 1655 CST on the I-94 frontage road, a construction trailer was rolled over by the high winds. A security guard inside the trailer was seriously injured and hospitalized.

**WIZ066**

**Milwaukee**

<b>06</b>	1000CST 2359CST	<b>0</b>	<b>0</b>	<b>300K</b>	<b>High Wind</b>
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Strong gradient winds, enhanced by higher gusts associated with scattered rain and snow showers, periodically resulted in wind damage reports across Milwaukee county. The wind gust were estimated in the 60 to 65 mph range. Throughout the county, hundreds of trees and some powerlines were toppled by the high winds. At the Milwaukee County Stadium, a partially built roof section was blown off into the parking lot. In northern Milwaukee, a new home under construction was completely destroyed by the high winds. In West Allis, a portion of a Credit Union's roof was torn off and thrown into traffic. In Whitefish Bay, a toppled tree fell against a home, damaging its siding and awning. In Greenfield, shingles were peeled off a building, a police car's windows were blown in, traffic lights were damaged, and a willow tree fell against a home. Elsewhere, the high winds tore roofing material off a building onto the freeway.

**WIZ060**

**Ozaukee**

<b>06</b>	1000CST 2359CST	<b>0</b>	<b>0</b>	<b>250K</b>	<b>High Wind</b>
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Strong gradient winds, enhanced by higher wind gusts associated with scattered rain and snow showers, periodically resulted in wind damage reports across Ozaukee county. The peak wind gusts were estimated in the 60 to 70 mph range. Across the county, the high winds toppled hundreds of large trees, blew over many power lines, ripped off roof shingles, twisted road signs, damaged street lights, bent basketball poles, damaged roof canopies, and blew in garage doors. The hardest hit areas were in Thiensville, Grafton, Cedarburg, Port Washington, and Mequon.

**Green County  
Brodhead**

<b>05</b>	1725CST	<b>0</b>	<b>0</b>	<b>5K</b>	<b>Thunderstorm Wind</b>
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Powerful thunderstorm winds blew over large trees in and near Brodhead.

**WIZ051-057>059-  
063>065-069>070**

**Fond Du Lac - Columbia - Dodge - Washington - Dane - Jefferson - Waukesha - Rock - Walworth**

<b>11</b>	1600CST	<b>0</b>	<b>0</b>		
<b>12</b>	1600CST	<b>Winter Storm</b>			

A spring winter storm deposited heavy, wet snow in a narrow region from around Janesville (Rock co.) northeast to near Fond du Lac (Fond du Lac co.). The storm consisted of two round of snow, with a break during the 0400 to 0800 CST timeframe. Some of the snow melted as it fell. Southeast winds gusting to around 30 mph helped lower visibilities to below 100 yards in open areas around midday on the 12th... resulting in numerous vehicle accidents. Thunder was also reported at several locations, with the convective snow resulting in snowfall rates of 2 inches per hour at the height of the storm. Maximum storm accumulations reached

# Storm Data and Unusual Weather Phenomena

April 1997

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

## WISCONSIN, Southeast

16.5 inches at Juneau (Dodge co.), 12 inches in Lake Mills and Ft. Atkinson (Jefferson co.), 11 inches in Milton (Rock co.), 10 to 11 inches in extreme eastern Dane county, and 8 to 9 inches in extreme southern Fond du Lac county, northwest Washington county, northwest Waukesha county, northwest Walworth county, and southeast Columbia county.

### **Sheboygan County** **Sheboygan**

<b>05</b>	<b>1815CST</b>	<b>0</b>	<b>0</b>	<b>10K</b>	<b>Thunderstorm Wind</b>
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Strong thunderstorm winds toppled several large trees in the city of Sheboygan. One tree fell on a home's garage and parked car, resulting in several thousands in damage. The home's electrical lines were also pulled down.

## WISCONSIN, Southwest

### **Crawford County** **Prairie Du Chien**

<b>05</b>	<b>1640CST</b>	<b>0</b>	<b>0</b>	<b>3K</b>	<b>Thunderstorm Wind (G52)</b>
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Wind gusts up to 60 mph downed trees.

### **Grant County** **5 S Platteville**

<b>05</b>	<b>1640CST</b>	<b>0</b>	<b>0</b>	<b>10K</b>	<b>Thunderstorm Wind (G55)</b>
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63 mph wind gusts blew the roof off a building.

### **Grant County** **Cassville**

<b>05</b>	<b>1645CST</b>	<b>0</b>	<b>0</b>	<b>3K</b>	<b>Thunderstorm Wind (G52)</b>
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The roof was blown off a shed as winds gusted to 60 mph.

### **Vernon County** **De Soto**

<b>05</b>	<b>1708CST</b>	<b>0</b>	<b>0</b>	<b>7.5K</b>	<b>Thunderstorm Wind (G52)</b>
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Wind gusts to 60 mph blew down power lines.

### **Vernon County** **Romance**

<b>05</b>	<b>1712CST</b>	<b>0</b>	<b>0</b>	<b>13K</b>	<b>Thunderstorm Wind (G52)</b>
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The roof was blown off a double-wide mobile home as winds gusted to 60 mph.

### **Vernon County** **Westby**

<b>05</b>	<b>1715CST</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>Thunderstorm Wind (G50)</b>
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Trees were blown down as winds gusted to 58 mph.

### **Richland County** **Richland Center**

<b>05</b>	<b>1710CST</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>Thunderstorm Wind (G54)</b>
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A metal fence in a park was blown down as winds gusted to 62 mph.

### **La Crosse County** **3 E La Crosse**

<b>05</b>	<b>1723CST</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind (G55)</b>
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Winds gusted to 63 mph at the National Weather Service office.

### **Trempealeau County** **Ettrick**

<b>05</b>	<b>1755CST</b>	<b>0</b>	<b>0</b>	<b>13K</b>	<b>Thunderstorm Wind (G55)</b>
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A large tree was blown onto a house as winds gusted to 63 mph.

### **Monroe County** **Cataract**

<b>05</b>	<b>1750CST</b>	<b>0</b>	<b>0</b>	<b>6K</b>	<b>Thunderstorm Wind (G52)</b>
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A boat was blown off it's trailer as winds gusted to 60 mph.

### **Monroe County** **Wilton**

<b>05</b>	<b>1750CST</b>	<b>0</b>	<b>0</b>	<b>2K</b>	<b>Thunderstorm Wind (G52)</b>
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Winds gusting to 60 mph wrapped a street sign around a telephone pole.

### **Adams County** **Friendship**

<b>05</b>	<b>1815CST</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>Thunderstorm Wind (G55)</b>
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Street signs and tree limbs were blown down as winds gusted to 63 mph.

### **Buffalo County** **Buffalo City**

<b>05</b>	<b>1802CST</b>	<b>0</b>	<b>0</b>	<b>7.5K</b>	<b>Thunderstorm Wind (G50)</b>
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Large tree limbs were blown onto power lines as winds gusted to 58 mph.

### **Juneau County** **Mauston**

<b>05</b>	<b>1805CST</b>	<b>0</b>	<b>0</b>	<b>1.5K</b>	<b>Thunderstorm Wind (G52)</b>
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Winds gusting to 60 mph pushed over numerous trees.

### **Jackson County** **Black River Falls**

<b>05</b>	<b>1750CST</b>	<b>0</b>	<b>0</b>	<b>0.80K</b>	<b>Thunderstorm Wind (G52)</b>
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Several trees were blown over as winds gusted to 60 mph.

### **Clark County** **Withee**

<b>05</b>	<b>1845CST</b>	<b>0</b>	<b>0</b>	<b>18K</b>	<b>Thunderstorm Wind (G54)</b>
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An airplane hangar and several farm sheds were damaged as winds gusted to 62 mph.

# Storm Data and Unusual Weather Phenomena

April 1997

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

## WISCONSIN, Southwest

**WIZ041-053>055-061 La Crosse - Vernon - Crawford - Richland - Grant**  
**06 1530CST 0 0 45K High Wind (G61)**  
**1900CST**

Winds gusting to as much as 70 mph blew down trees, damaged several farm buildings and caused power outages.

**WIZ032>033-041-053>054-061 Buffalo - Trempealeau - La Crosse - Vernon - Crawford - Grant**

**03 2000CST 0 0 1M Flood**  
**21 1400CST**

Several homes and businesses were damaged as the Mississippi River reached it's third highest flood on record. A crest of 16.4 feet occurred on the 11th at Alma and 15 feet at La Crosse on the 12th. Some roads were closed, while barge and rail traffic was disrupted as well.

## WISCONSIN, West

**WIZ025>028 Dunn - Pepin - Chippewa - Eau Claire**  
**03 0600CST 0 0 Flood**  
**10 0600CST**

The Chippewa River reached flood stage of 11 feet on 4/4/97 and crested at 13.0 feet on 4/7/97. Highway 178 was closed in Chippewa county between county road Y in Jim Falls and the city of Cornell. Several roads were closed in southern Dunn county in Peru and Spring Brook townships. A portion of Main street in Durand was flooded for a time.

**WIZ014-023>024 Polk - St. Croix - Pierce**  
**06 0600CST 0 0 Flood**  
**20 0600CST**

The St. Croix River reached flood stage of 87 feet on 4/6/97 and crested at 90.5 feet on 4/12/97. This was the third highest crest ever measured. The river is monitored in Stillwater Minnesota. The river fell below flood stage on 4/20/97. The Stillwater lift bridge was closed on 4/5/97 and reopened 4/18/97. Landing Park in Osceola was inundated by flooding. The river crested at 690.5 feet in Hudson which was also the 3rd highest level recorded. Street flooding was also reported in Hudson and Lakefront Park was inundated. Highway 10 between Prescott Wisconsin and far southern Denmark township in Washington county remained open due to slightly lower than anticipated crest and tenacious efforts by the Minnesota and Wisconsin Department of Transportation workers in building sand and gravel dikes. Many homes on Lake Street in Prescott experienced heavy flooding.

**WIZ024-026 Pierce - Pepin**  
**04 0600CST 0 0 Flood**  
**26 0600CST**

The Mississippi River is monitored at Hastings and Red Wing from the intersection with the St. Croix River south to Lake Pepin. The river reached flood stage around 4/4/97 and crested around 4/13/97. The peak crest measured at Red Wing was 17.2 feet which was the third highest crest ever measured. The Mississippi fell back to below flood stage by the last week of April. Two dozen homes were evacuated in the seasonal village of Deer Island, between Pepin and Stockholm. The river crested at 18.3 feet at Pepin on 4/12/97. Locks and Dams from St. Paul to Red Wing were closed between 4/4/97 and 4/9/97. Highway 63 between Red Wing and Hager City kept open due to slightly lower than expected crests and tenacious Wisconsin and Minnesota Department of Transportation workers building sand and gravel dikes. Many homes on Lake Street in Prescott received heavy flooding while numerous roads from Prescott to Lake Pepin under water. Water reached roofs in Bay City.

## WYOMING, Central and West

**WYZ002-008-012 North Absarokas - Owl Creek Mountains - Lander Foothills**  
**04 1500MST 0 0 Heavy Snow**  
**05 1500MST**

**WYZ015-027>028 Natrona - Southeast Big Horn Mountains - East Johnson**  
**04 1500MST 0 0 Blizzard**  
**05 2100MST**

two day blizzard with winds in excess of 50 mph and deep snow drifts caused numerous road closures and some livestock losses. Heavy snow amounts of up to a foot in the lander foothills and sunlight basin.

## WYOMING, Extreme Southwest

NONE REPORTED.

## WYOMING, North Central

**WYZ099 Sheridan Foothills**  
**05 1400MST 0 0 Blizzard**  
**2300MST**

WINDS OF 35 MPH WITH VISIBILITIES 1/4 MILES, DRIFTS OF SNOW FROM 2 TO 5 FEET IN SHERIDAN.

## WYOMING, Northeast

**WYZ054>058 Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston**  
**04 1600MST 0 0 Blizzard**  
**06 0600MST**

# Storm Data and Unusual Weather Phenomena

April 1997

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

## WYOMING, Northeast

Snowfall of 1 to 2 feet combined with 40 to 60 mph winds producing zero visibility and drifts to 15 feet across much of northeast Wyoming. Most roads were closed and power outages were widespread. Ranchers were hard hit with livestock losses as calving season was underway.

## WYOMING, Southeast

**WYZ064**

### **North Laramie Range**

**01 2200MST**

**0 0**

**Heavy Snow**

**02 1000MST**

Heavy snow fell over the northern Laramie Range with amounts generally ranging from 8 to 10 inches. Casper Mountain received 12 inches.

**WYZ059>070**

### **Converse - Niobrara - Southwest Carbon - North Carbon - Snowy Range - North Laramie Range - Laramie Valley - Laramie Range - Platte - Goshen - Cheyenne Foothills - Pine Bluffs**

**04 1700MST**

**0 0 5M 0 Blizzard**

**06 1200MST**

Strong winds combined with snow amounts of generally 8 to 12 inches to create widespread blizzard conditions in southeast Wyoming and the Nebraska panhandle. By 845 PM April 4 all roads had been closed in and out of Cheyenne except for Interstate 25. Closed and impassable roads became the norm from the evening of April 4 through April 6 due to blowing and drifting snow. Many automobile accidents occurred as a result of the treacherous conditions, and many power lines were downed due to the weight of snow. Many livestock were killed by the snow and accompanying cold temperatures because the storm occurred in the calving season. The highest snow amount was 12 inches at Albin and Lusk, and sustained winds were generally 40 to 50 MPH through the event.

**WYZ066-069**

### **Laramie Range - Cheyenne Foothills**

**09 2000MST**

**0 0**

**Heavy Snow**

**10 1100MST**

Heavy snow fell over the Snowy Range as well as over and east of the southern Laramie Range. Cheyenne received 11 inches while the Laramie Range received generally 10 to 12 inches. A localized band of heavier snow remained nearly stationary across northern Laramie County and southern Goshen which resulted in an accumulation of 14 inches at Albin. Torrington which is just north of the band of heavier snow received 8 inches.

**WYZ063>064-  
066>067-069**

### **Snowy Range - North Laramie Range - Laramie Range - Platte - Cheyenne Foothills**

**24 0100MST**

**0 0**

**Heavy Snow**

**1700MST**

Heavy snow fell over the Snowy Range in addition to over and east of the Laramie Range. Buford received 10 inches and Cheyenne received 8 inches while accumulations in the mountains were generally 8 to 10 inches.

## STORM DAMAGE CATEGORIES

## REFERENCE NOTES

1	Less than \$50	0 / Blank	None reported.
2	\$50 to \$500	*	Miles instead of yards.
3	\$500 to \$5,000	**	Yards instead of miles.
4	\$5,000 to \$50,000	@	Includes heavy sleet storm.
5	\$50,000 to \$500,000	#	Freezing drizzle and freezing rain, commonly known as glaze.
6	\$500,000 to \$5 Million	=	Report incomplete.
7	\$5 Million to \$50 Million	= =	Report not received.
8	\$50 Million to \$500 Million		
9	\$500 Million to \$5 Billion	o/c	Indicates Crop Damage amount is included in the value give for property damage.

When reports are not received or are incomplete, the Storm Summary National Death and Injury totals may also be incomplete.

### Definition of Fujita Tornado Scale ( F Scale )

(F0) Gale tornado (40-72 mph) : Light damage; Some damage to chimneys; break branches off trees; push over shallow-rooted trees; signs and billboards damaged.

(F1) Moderate tornado (73-112 mph): Moderate damage; The lower limit (73 mph) is the beginning of hurricane wind speed; peel surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads.

(F2) Significant tornado (113-157 mph): Considerable damage; Roofs torn from frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.

(F3) Severe tornado (158-206 mph): Severe damage; Roofs and some walls torn from well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

(F4) Devastating tornado (207-260 mph): Devastating damage; Well-constructed houses leveled; structure with weak foundations blown off some distance; cars thrown and large missiles generated.

(F5) Incredible tornado (261-318 mph): Incredible damage; Strong frame houses lifted from foundation and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 meters; trees debarked; incredible phenomena will occur.

(F6-F12) (319 mph to Mach 1, the speed of sound): The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

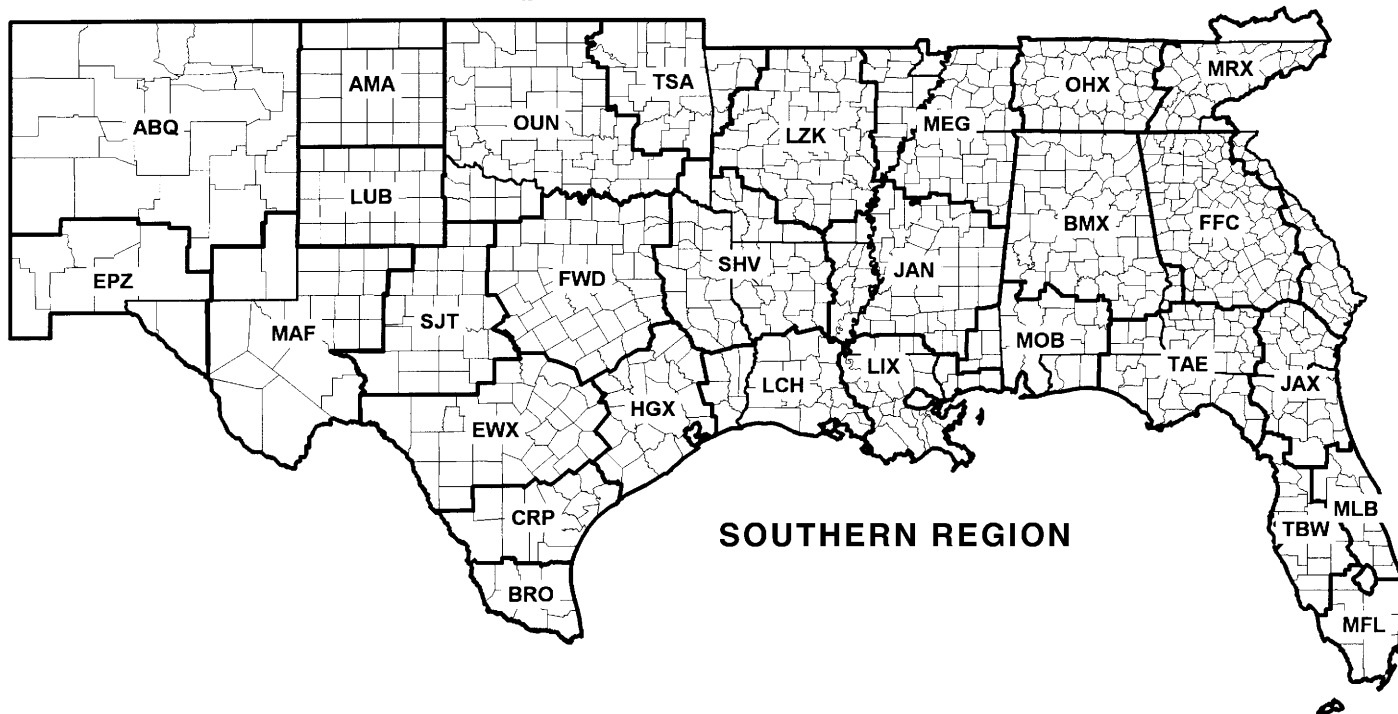
*(F0+F1) Weak Tornado*  
*(F2+F3) Strong Tornado*  
*(F4+F5) Violent Tornado*



# COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS

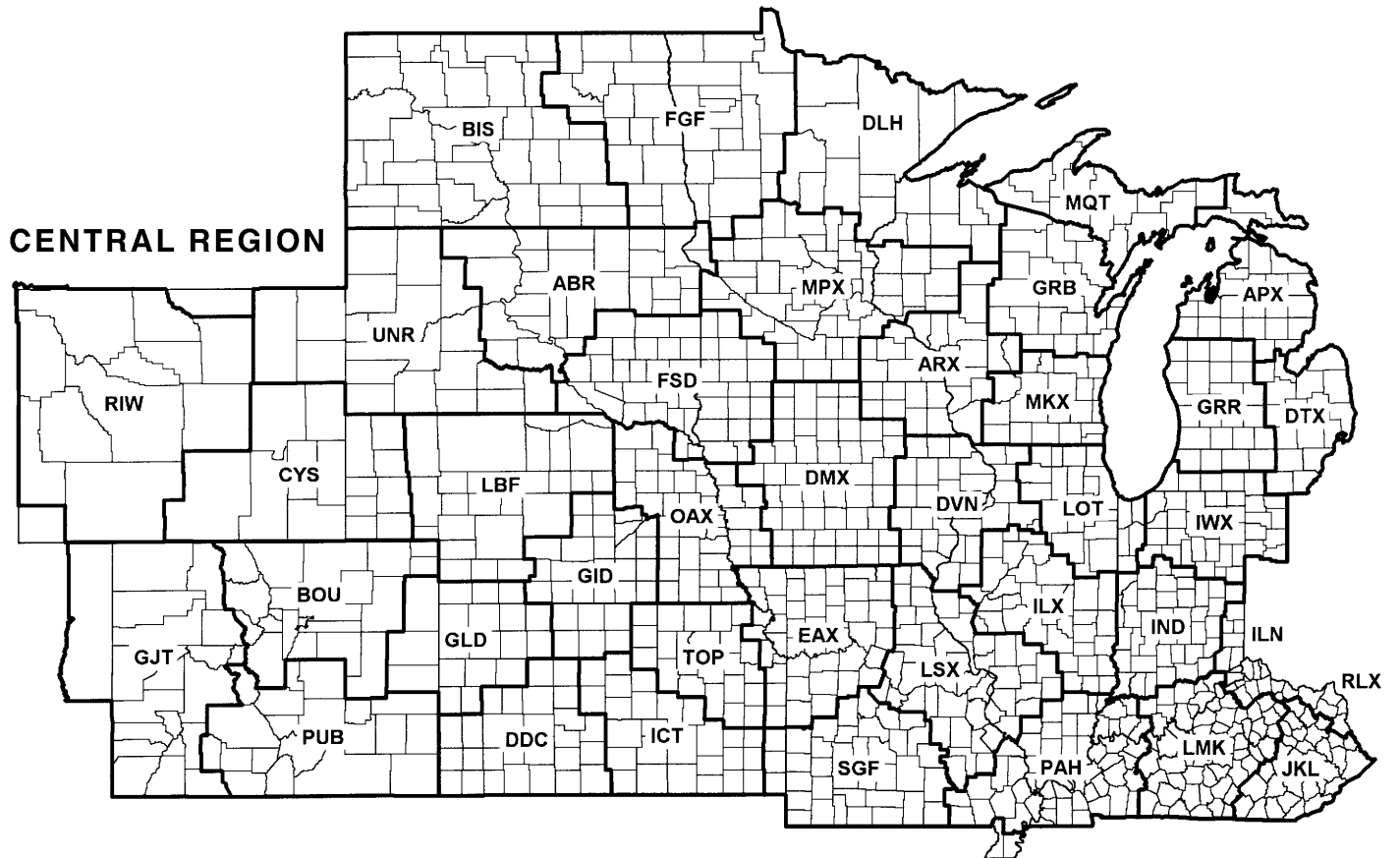
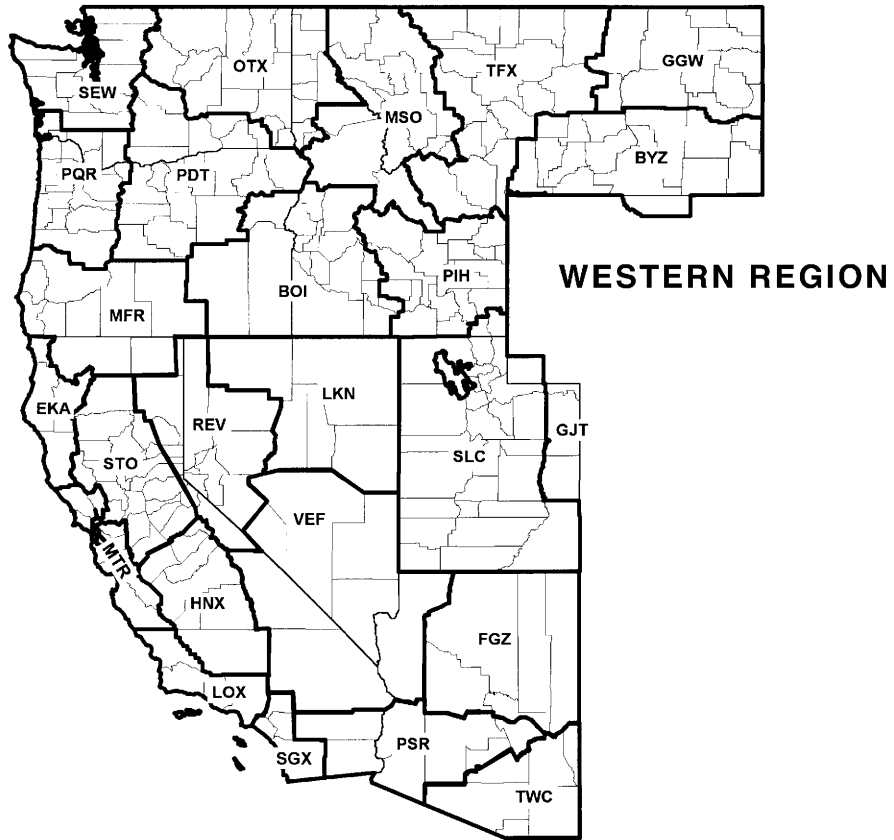


**EASTERN REGION**



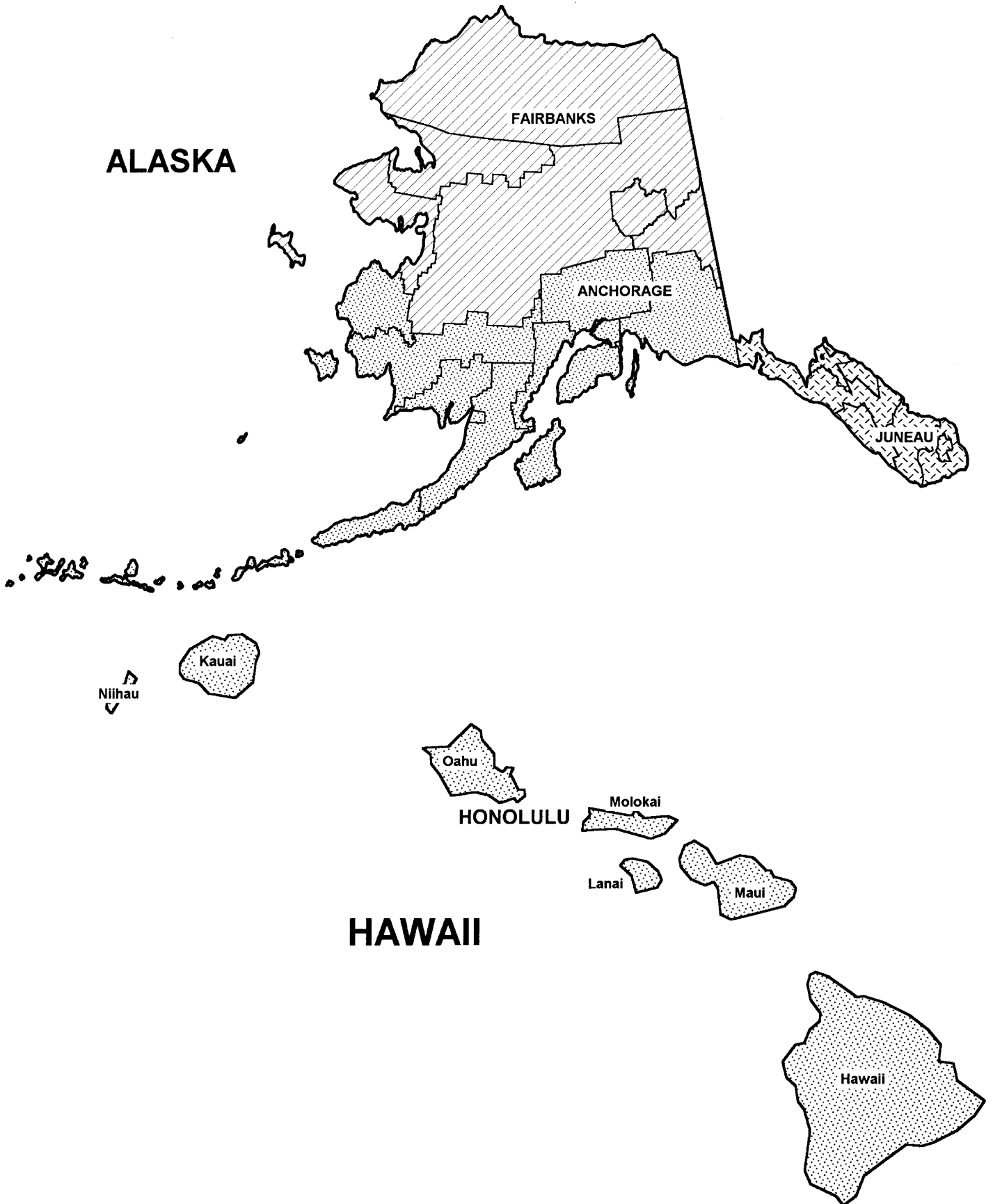
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# COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS





# MODERNIZED COUNTY WARNING AREAS





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