



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### DISTRICT OF COLUMBIA

#### District Of Columbia

|                          |           |                |  |  |          |          |              |  |                          |
|--------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| <b>Northwest Portion</b> | <b>28</b> | <b>1922EST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.50K</b> |  | <b>Thunderstorm Wind</b> |
|--------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|

Trees were downed on Kingle and Adams Mills Road.

A thunderstorm that produced winds in excess of 55 MPH moved across the District during the evening of the 28th. Trees were downed on Kingle and Adams Mills Roads.

### MARYLAND, Central

#### Prince George'S County

|                        |           |                            |  |  |          |          |  |  |                   |
|------------------------|-----------|----------------------------|--|--|----------|----------|--|--|-------------------|
| <b>Central Portion</b> | <b>03</b> | <b>1800EST<br/>2300EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Heavy Rain</b> |
|------------------------|-----------|----------------------------|--|--|----------|----------|--|--|-------------------|

#### Calvert County

|                 |           |                |  |  |          |          |  |  |                  |
|-----------------|-----------|----------------|--|--|----------|----------|--|--|------------------|
| <b>Solomons</b> | <b>03</b> | <b>2200EST</b> |  |  | <b>1</b> | <b>0</b> |  |  | <b>Lightning</b> |
|-----------------|-----------|----------------|--|--|----------|----------|--|--|------------------|

A 37 year old man was killed by lightning while he was fixing a leak on the roof of a camper. M37CA

#### St. Mary'S County

|                   |                  |                            |  |  |          |          |  |  |                   |
|-------------------|------------------|----------------------------|--|--|----------|----------|--|--|-------------------|
| <b>Countywide</b> | <b>03<br/>04</b> | <b>2200EST<br/>0130EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Heavy Rain</b> |
|-------------------|------------------|----------------------------|--|--|----------|----------|--|--|-------------------|

During the afternoon and evening of the 3rd, thunderstorms which produced heavy rainfall and frequent lightning moved across central Maryland. In Calvert County, a 37 year old man was killed by lightning on Solomon's Island. The victim was fixing a hole on the roof of a camper when he was struck. In St. Mary's County, a total of 1.90 inches of rain fell in Tall Timbers. Rainfall totals in Prince George's County included 2.64 inches in Leeland, 2.39 inches in Upper Marlboro, 2.24 inches in Landover and on Harry Truman Drive, 2.04 inches in Forestville, and 1.61 inches in South Bowie.

#### Howard County

|                                       |           |                            |            |            |          |          |            |  |                     |
|---------------------------------------|-----------|----------------------------|------------|------------|----------|----------|------------|--|---------------------|
| <b>3 SE Savage to<br/>4 SE Savage</b> | <b>10</b> | <b>1630EST<br/>1632EST</b> | <b>0.6</b> | <b>100</b> | <b>0</b> | <b>0</b> | <b>50K</b> |  | <b>Tornado (F1)</b> |
|---------------------------------------|-----------|----------------------------|------------|------------|----------|----------|------------|--|---------------------|

The tornado downed several trees and power lines and blew over two trailers and 3 semi-tractor trailers before it moved into Anne Arundel County.

#### Anne Arundel County

|  |           |                            |            |            |          |          |            |  |                     |
|--|-----------|----------------------------|------------|------------|----------|----------|------------|--|---------------------|
| <b>1 NE Maryland City to<br/>Maryland City</b> | <b>10</b> | <b>1632EST<br/>1635EST</b> | <b>0.7</b> | <b>100</b> | <b>0</b> | <b>0</b> | <b>25K</b> |  | <b>Tornado (F1)</b> |
|--|-----------|----------------------------|------------|------------|----------|----------|------------|--|---------------------|

The tornado which came from Howard County downed several trees onto roads and buildings and onto commuter railroad tracks before it dissipated near Maryland City.

#### Anne Arundel County

|                   |           |                            |  |  |          |          |            |  |                          |
|-------------------|-----------|----------------------------|--|--|----------|----------|------------|--|--------------------------|
| <b>Countywide</b> | <b>10</b> | <b>1645EST<br/>1720EST</b> |  |  | <b>0</b> | <b>0</b> | <b>20K</b> |  | <b>Thunderstorm Wind</b> |
|-------------------|-----------|----------------------------|--|--|----------|----------|------------|--|--------------------------|

Several trees and power lines were downed.

#### Charles County

|                    |           |                |  |  |          |          |            |  |                  |
|--------------------|-----------|----------------|--|--|----------|----------|------------|--|------------------|
| <b>Bryans Road</b> | <b>10</b> | <b>1700EST</b> |  |  | <b>0</b> | <b>0</b> | <b>50K</b> |  | <b>Lightning</b> |
|--------------------|-----------|----------------|--|--|----------|----------|------------|--|------------------|

A lightning strike caused extensive damage to a home.

#### Charles County

|                   |           |                            |  |  |          |          |           |  |                          |
|-------------------|-----------|----------------------------|--|--|----------|----------|-----------|--|--------------------------|
| <b>Countywide</b> | <b>10</b> | <b>1702EST<br/>1715EST</b> |  |  | <b>0</b> | <b>0</b> | <b>5K</b> |  | <b>Thunderstorm Wind</b> |
|-------------------|-----------|----------------------------|--|--|----------|----------|-----------|--|--------------------------|

Trees were downed onto roads and a home.

#### St. Mary'S County

|                   |           |                            |  |  |          |          |            |  |                          |
|-------------------|-----------|----------------------------|--|--|----------|----------|------------|--|--------------------------|
| <b>Countywide</b> | <b>10</b> | <b>1720EST<br/>1800EST</b> |  |  | <b>0</b> | <b>0</b> | <b>10K</b> |  | <b>Thunderstorm Wind</b> |
|-------------------|-----------|----------------------------|--|--|----------|----------|------------|--|--------------------------|

Trees were downed.

#### Calvert County

|              |           |                |  |  |          |          |           |  |                          |
|--------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|
| <b>Lusby</b> | <b>10</b> | <b>1745EST</b> |  |  | <b>0</b> | <b>0</b> | <b>1K</b> |  | <b>Thunderstorm Wind</b> |
|--------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|

A tree was downed onto a power line.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### MARYLAND, Central

Thunderstorms that produced winds in excess of 55 MPH, large hail, heavy downpours, and frequent lightning moved across central Maryland during the evening of the 10th. The strongest storm produced a tornado that touched down extreme southern Howard County then moved east into Anne Arundel County. The F1 tornado was 100 yards wide and stayed on the ground for 2 miles. It formed just southeast of High Ridge then moved east and dissipated near Maryland City. It crossed Route 1 and passed through a populated area where it caused considerable damage. Near High Ridge, several trees and power lines were downed. The tornado blew out a plate glass window and damaged a revolving door. It also blew over a line of 6 power poles, two trailers, three 8000 lb. containers, and three semi-tractor trailers. Near Maryland City, several trees were downed onto roads and buildings and a trailer was damaged. Straight line winds in excess of 55 MPH caused damage south of the tornado's path. A wind gust of 43 MPH was recorded at Laurel in Howard County. In and around Anne Arundel County, trees were downed in Severna Park, Crofton, Crownsville, Hillsmere, Odenton, Edgewater, Savage, and Laurel. In Calvert County, a tree was downed onto a power line in Lusby. In St. Mary's County, trees were downed countywide. In Charles County, trees were downed in Bryan's Road, Waldorf, and La Plata. Lightning also started a fire at a home in Bryan's Road that extensively damaged the structure. A tree was felled onto a home in Waldorf. In Prince George's County, pea sized hail was reported in Greenbelt.

#### Carroll County

##### Manchester

|    |         |   |   |  |  |  |                  |
|----|---------|---|---|--|--|--|------------------|
| 13 | 1330EST |   |   |  |  |  |                  |
|    |         | 0 | 1 |  |  |  | <b>Lightning</b> |

A 17 year old boy was struck by lightning while touching wires that were plugged into an electrical outlet.

In Carroll County, lightning hit a home in Manchester during the afternoon of the 13th and passed through the building's wiring. A 17 year old boy who was plugging a phone wire into an outlet at the time of the strike was slightly injured by the bolt.

#### St. Mary'S County

##### Countywide

|    |         |  |  |  |   |   |                    |
|----|---------|--|--|--|---|---|--------------------|
| 14 | 1035EST |  |  |  |   |   |                    |
| 15 | 0230EST |  |  |  | 0 | 0 | <b>Flash Flood</b> |

Several roads were flooded and a tree was downed

#### Harford County

##### Fallston

|    |         |  |  |  |   |   |                      |
|----|---------|--|--|--|---|---|----------------------|
| 14 | 1445EST |  |  |  |   |   |                      |
|    |         |  |  |  | 0 | 0 | <b>50K Lightning</b> |

A truck was destroyed by a fire started by lightning.

#### Washington County

##### Williamsport

|    |         |  |  |  |   |   |                             |
|----|---------|--|--|--|---|---|-----------------------------|
| 14 | 1540EST |  |  |  |   |   |                             |
|    |         |  |  |  | 0 | 0 | <b>1K Thunderstorm Wind</b> |

Trees and power lines were downed.

#### Baltimore County

##### Countywide

|    |         |  |  |  |   |   |                    |
|----|---------|--|--|--|---|---|--------------------|
| 14 | 1700EST |  |  |  |   |   |                    |
|    | 1830EST |  |  |  | 0 | 0 | <b>Flash Flood</b> |

Several roads were flooded.

#### Baltimore City (C)

##### Countywide

|    |         |  |  |  |   |   |                    |
|----|---------|--|--|--|---|---|--------------------|
| 14 | 1700EST |  |  |  |   |   |                    |
|    | 1830EST |  |  |  | 0 | 0 | <b>Flash Flood</b> |

Several roads were flooded.

#### Baltimore County

##### Rosedale

|    |         |  |  |  |   |   |                    |
|----|---------|--|--|--|---|---|--------------------|
| 14 | 1715EST |  |  |  |   |   |                    |
|    |         |  |  |  | 0 | 0 | <b>Hail (1.75)</b> |

Golfball sized hail fell.

#### Baltimore City (C)

##### Baltimore

|    |         |  |  |  |   |   |                    |
|----|---------|--|--|--|---|---|--------------------|
| 14 | 1715EST |  |  |  |   |   |                    |
|    |         |  |  |  | 0 | 0 | <b>Hail (1.75)</b> |

Golfball sized hail fell.

#### Charles County

##### 1 S Bryans Road

|    |         |  |  |  |   |   |                    |
|----|---------|--|--|--|---|---|--------------------|
| 14 | 1822EST |  |  |  |   |   |                    |
|    |         |  |  |  | 0 | 0 | <b>Hail (0.75)</b> |

Dime sized hail fell.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### MARYLAND, Central

|   |                        |                                  |  |  |          |          |              |  |                          |
|---|------------------------|----------------------------------|--|--|----------|----------|--------------|--|--------------------------|
| <b>Harford County</b>   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Darlington</b>   | <b>14</b>              | <b>1830EST</b>                   |  |  | <b>0</b> | <b>0</b> | <b>75K</b>   |  | <b>Lightning</b>         |
| Fifteen cows in a field were killed by lightning.   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Harford County</b>   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Darlington</b>   | <b>14</b>              | <b>1830EST</b>                   |  |  | <b>0</b> | <b>0</b> | <b>10K</b>   |  | <b>Thunderstorm Wind</b> |
| A downed tree killed two cows.  |                        |                                  |  |  |          |          |              |  |                          |
| <b>Harford County</b>   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Havre De Grace</b>   | <b>14</b>              | <b>1830EST</b>                   |  |  | <b>0</b> | <b>0</b> | <b>0.50K</b> |  | <b>Thunderstorm Wind</b> |
| A tree was downed.  |                        |                                  |  |  |          |          |              |  |                          |
| <b>Harford County</b>   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Joppa</b>  | <b>14</b>              | <b>1830EST</b>                   |  |  | <b>1</b> | <b>0</b> |              |  | <b>Lightning</b>         |
| A man with a cell phone was hit by lightning near a tree while walking down a sidewalk. M46UT |                        |                                  |  |  |          |          |              |  |                          |
| <b>Harford County</b>   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Northeast Portion</b>  | <b>14</b>              | <b>1830EST</b>                   |  |  | <b>0</b> | <b>0</b> | <b>500K</b>  |  | <b>Hail (0.75)</b>       |
| Hail estimated at the sized of a dime damaged crops.  |                        |                                  |  |  |          |          |              |  |                          |
| <b>Washington County</b>  |                        |                                  |  |  |          |          |              |  |                          |
| <b>Countywide</b>   | <b>14</b>              | <b>1900EST</b><br><b>2130EST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Heavy Rain</b>        |
| <b>Frederick County</b>   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Countywide</b>   | <b>14</b>              | <b>2000EST</b><br><b>2230EST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Heavy Rain</b>        |
| <b>Montgomery County</b>  |                        |                                  |  |  |          |          |              |  |                          |
| <b>Countywide</b>   | <b>14</b>              | <b>2100EST</b><br><b>2330EST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Heavy Rain</b>        |
| <b>Prince George'S County</b>   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Countywide</b>   | <b>14</b>              | <b>2100EST</b><br><b>2359EST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Flash Flood</b>       |
| Roads in College Park and Route 202 were closed by high water.                                |                        |                                  |  |  |          |          |              |  |                          |
| <b>Charles County</b>   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Countywide</b>   | <b>14</b>              | <b>2130EST</b><br><b>2359EST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Heavy Rain</b>        |
| <b>Anne Arundel County</b>  |                        |                                  |  |  |          |          |              |  |                          |
| <b>Countywide</b>   | <b>14</b><br><b>15</b> | <b>2200EST</b><br><b>0100EST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Flash Flood</b>       |
| Several roads were flooded by up to 6 inches of rain.   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Calvert County</b>   |                        |                                  |  |  |          |          |              |  |                          |
| <b>Countywide</b>   | <b>14</b>              | <b>2200EST</b><br><b>2359EST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Heavy Rain</b>        |
| <b>St. Mary'S County</b>  |                        |                                  |  |  |          |          |              |  |                          |
| <b>Avenue</b>   | <b>15</b>              | <b>0000EST</b>                   |  |  | <b>0</b> | <b>0</b> |              |  | <b>Lightning</b>         |
| A dog tied to a tree was killed when lightning struck the tree.                               |                        |                                  |  |  |          |          |              |  |                          |
| <b>St. Mary'S County</b>  |                        |                                  |  |  |          |          |              |  |                          |
| <b>Charlotte Hall</b>   | <b>15</b>              | <b>0000EST</b>                   |  |  | <b>0</b> | <b>0</b> | <b>20K</b>   |  | <b>Lightning</b>         |
| A sawmill was damaged by a lightning strike.  |                        |                                  |  |  |          |          |              |  |                          |
| <b>St. Mary'S County</b>  |                        |                                  |  |  |          |          |              |  |                          |
| <b>Morganza</b>   | <b>15</b>              | <b>0000EST</b>                   |  |  | <b>0</b> | <b>0</b> | <b>2K</b>    |  | <b>Lightning</b>         |
| Lightning damaged a home.   |                        |                                  |  |  |          |          |              |  |                          |

A cold front moved across the region during the evening of the 14th. Thunderstorms that developed ahead and along this front produced very heavy rainfall, frequent lightning, large hail, and winds in excess of 55 MPH. Across Baltimore County, heavy rain flooded several roads. In Baltimore, flooding was concentrated between Back River and Middle River where some stranded motorists had to be rescued. A total of 3.00 inches of rain fell in Towson and 1.78 inches fell in Perry Hall. Golfball sized hail fell in Rosedale and Baltimore and pea sized hail fell in Overlea. Several roads were also flooded in Anne Arundel County after up to 6



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### MARYLAND, Central

inches of rain fell. Rainfall totals included 5.98 inches in Edgewater, 2.81 inches in Crofton, 2.40 inches in Annapolis, 2.14 inches in Hillsmere, 1.86 inches in Davidsonville, and 1.67 inches in Owings Beach. In Prince George's County, roads in College Park and Cheverly were closed by high water. Rainfall totals included 2.76 inches at Harry Truman Drive, 2.53 inches at Lake Arbor, 2.29 inches in Landover, and 1.60 inches in Oxon Hill. Marble sized hail fell in Oxon Hill and pea sized hail fell in Suitland. In Montgomery County, a 41 MPH wind gust was recorded at Montgomery College and 10 feet high corn was downed near Germantown. Over an inch of rain fell in 25 minutes in Damascus. In Frederick County, 1.65 inches fell in Frederick. In Washington County, winds in excess of 55 MPH downed trees and power lines in Williamsport. Half dollar sized hail fell in Clear Spring and 3.07 inches of rain was reported in Sharpsburg.

In Harford County, a 46 year old man who was walking down a sidewalk in Joppatowne with his cell phone was struck and killed by lightning near a tree. In Darlington, 15 cows taking shelter from the storm under a tree were killed by lightning. Two other cows were killed by a felled tree. A tree was also downed in Havre de Grace. In Fallston, lightning struck a garbage truck and sparked a fire which destroyed the vehicle. Across the northeast portion of the county, hail estimated at the size of a dime damaged \$500,000 worth of crops. In Charles County, dime sized hail fell near Bryan's Road. Flooding was reported in Pomfret. Rainfall totals included 2.95 inches in Indian Head, 2.65 inches in La Plata, 2.55 inches in Pomfret, and 1.67 inches in Waldorf. In Calvert County, 1.6 inches fell in Dunkirk, Sunderland, and Huntingtown. In St. Mary's County, a dog tied to a tree in Avenue was killed when lightning struck the tree. Lightning damaged a home in Morganza and a sawmill in Charlotte Hall. Heavy rain flooded several roads across the county and downed a tree. A total of 3.40 inches of rain fell in Tall Timbers.

#### **Carroll County**

|                   |    |                    |  |  |   |   |  |  |                   |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Countywide</b> | 15 | 1100EST<br>1500EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### **St. Mary'S County**

|                   |    |                    |  |  |   |   |  |  |                    |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|
| <b>Countywide</b> | 15 | 1100EST<br>1300EST |  |  | 0 | 0 |  |  | <b>Flash Flood</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|

Roads were flooded.

#### **Anne Arundel County**

|                   |    |                    |  |  |   |   |  |  |                    |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|
| <b>Countywide</b> | 15 | 1200EST<br>1600EST |  |  | 0 | 0 |  |  | <b>Flash Flood</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|

Cars were stalled on flooded roads in Annapolis.

#### **Harford County**

|                   |    |                    |  |  |   |   |    |  |                          |
|-------------------|----|--------------------|--|--|---|---|----|--|--------------------------|
| <b>Countywide</b> | 15 | 1400EST<br>1800EST |  |  | 0 | 0 | 5K |  | <b>Thunderstorm Wind</b> |
|-------------------|----|--------------------|--|--|---|---|----|--|--------------------------|

Trees were downed onto several roads sometime during the afternoon.

#### **Anne Arundel County**

|                     |    |         |  |  |   |   |     |  |                  |
|---------------------|----|---------|--|--|---|---|-----|--|------------------|
| <b>Millersville</b> | 15 | 2226EST |  |  | 0 | 0 | 30K |  | <b>Lightning</b> |
|---------------------|----|---------|--|--|---|---|-----|--|------------------|

A two story home was damaged by a lightning induced fire.

#### **Anne Arundel County**

|                |    |         |  |  |   |   |     |  |                  |
|----------------|----|---------|--|--|---|---|-----|--|------------------|
| <b>Crofton</b> | 15 | 2300EST |  |  | 0 | 0 | 10K |  | <b>Lightning</b> |
|----------------|----|---------|--|--|---|---|-----|--|------------------|

A townhouse was damaged by a fire which was started by lightning.

Showers and thunderstorms which produced heavy rainfall and gusty winds moved across central Maryland during the afternoon and evening of the 15th. In St. Mary's County, several roads were flooded by heavy downpours. Rainfall totals included 2.47 inches in Tall Timbers, 2.34 inches in Hollywood, 2.27 inches in Ridge, 2.23 inches in Morganza, and 2.22 inches in Oraville where a wind gust of 46 MPH was recorded. In Anne Arundel County, cars were stalled on flooded roadways in Annapolis after 1.20 inches of rain fell in 20 minutes. A police car was found floating down a waterlogged county road. A lightning strike started a fire which damaged a home in Millersville and a townhome in Crofton. In Carroll County, 1.74 inches of rain fell in Millers. In Baltimore County, 1.76 inches fell in Parkton. In Harford County, winds in excess of 55 MPH downed trees onto Rocks Chrome, Berkeley, and Castleton Roads.

#### **St. Mary'S County**

|                  |    |         |  |  |   |   |      |  |                  |
|------------------|----|---------|--|--|---|---|------|--|------------------|
| <b>Hollywood</b> | 16 | 0530EST |  |  | 0 | 0 | 160K |  | <b>Lightning</b> |
|------------------|----|---------|--|--|---|---|------|--|------------------|

A house was heavily damaged by a lightning fire.

#### **Prince George'S County**

|              |    |                    |  |  |   |   |    |  |                          |
|--------------|----|--------------------|--|--|---|---|----|--|--------------------------|
| <b>Bowie</b> | 16 | 1130EST<br>1145EST |  |  | 0 | 0 | 2K |  | <b>Thunderstorm Wind</b> |
|--------------|----|--------------------|--|--|---|---|----|--|--------------------------|

Trees were downed.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### MARYLAND, Central

#### Prince George'S County

|              |    |         |  |  |   |   |  |  |                    |
|--------------|----|---------|--|--|---|---|--|--|--------------------|
| <b>Bowie</b> | 16 | 1145EST |  |  | 0 | 0 |  |  | <b>Hail (1.00)</b> |
|--------------|----|---------|--|--|---|---|--|--|--------------------|

Dime to quarter sized hail fell.

#### Anne Arundel County

|                      |    |         |  |  |   |   |  |  |                    |
|----------------------|----|---------|--|--|---|---|--|--|--------------------|
| <b>5 S Annapolis</b> | 16 | 1230EST |  |  | 0 | 0 |  |  | <b>Hail (1.00)</b> |
|----------------------|----|---------|--|--|---|---|--|--|--------------------|

Quarter sized hail fell on Route 2.

#### Anne Arundel County

|                   |    |         |  |  |   |   |     |  |                          |
|-------------------|----|---------|--|--|---|---|-----|--|--------------------------|
| <b>Countywide</b> | 16 | 1230EST |  |  | 0 | 0 | 10K |  | <b>Thunderstorm Wind</b> |
|-------------------|----|---------|--|--|---|---|-----|--|--------------------------|

Trees and power lines were downed.

#### Baltimore County

|                        |    |                    |  |  |   |   |  |  |                   |
|------------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Central Portion</b> | 16 | 1300EST<br>1500EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### Calvert County

|                   |    |                    |  |  |   |   |  |  |                   |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Countywide</b> | 16 | 1300EST<br>1500EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### St. Mary'S County

|                   |    |                    |  |  |   |   |  |  |                   |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Countywide</b> | 16 | 1300EST<br>1500EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### Calvert County

|                   |    |                    |  |  |   |   |    |  |                          |
|-------------------|----|--------------------|--|--|---|---|----|--|--------------------------|
| <b>Countywide</b> | 16 | 1320EST<br>1345EST |  |  | 0 | 0 | 2K |  | <b>Thunderstorm Wind</b> |
|-------------------|----|--------------------|--|--|---|---|----|--|--------------------------|

Power lines were downed in Dunkirk and Chaneyville.

#### Baltimore County

|                                     |    |         |  |  |   |   |    |  |                          |
|-------------------------------------|----|---------|--|--|---|---|----|--|--------------------------|
| <b>Cockeysville to Reisterstown</b> | 16 | 1330EST |  |  | 0 | 0 | 2K |  | <b>Thunderstorm Wind</b> |
|-------------------------------------|----|---------|--|--|---|---|----|--|--------------------------|

Large trees were downed.

#### Calvert County

|                    |    |         |  |  |   |   |  |  |                    |
|--------------------|----|---------|--|--|---|---|--|--|--------------------|
| <b>Huntingtown</b> | 16 | 1330EST |  |  | 0 | 0 |  |  | <b>Hail (0.88)</b> |
|--------------------|----|---------|--|--|---|---|--|--|--------------------|

Nickel sized hail fell.

#### Frederick County

|                 |    |         |  |  |   |   |     |  |                    |
|-----------------|----|---------|--|--|---|---|-----|--|--------------------|
| <b>Thurmont</b> | 16 | 1645EST |  |  | 0 | 0 | 10K |  | <b>Hail (1.00)</b> |
|-----------------|----|---------|--|--|---|---|-----|--|--------------------|

Quarter sized hail destroyed a cornfield.

Scattered thunderstorms that produced winds in excess of 55 MPH, heavy rainfall, large hail, and frequent lightning moved across Maryland during the morning and afternoon of the 16th. In St. Mary's County, a fire started by lightning heavily damaged a home in Hollywood. Marble sized hail fell in Leonardtown and pea sized hail fell in California and Tall Timbers where a total of 2.46 inches of rain fell. In Prince George's County, dime to quarter sized hail fell in Bowie and Mayo and pea sized hail fell in Lanham. Trees were downed in Bowie. In Anne Arundel County, trees and power lines were downed. Quarter sized hail fell on Route 2 south of Annapolis. In Calvert County, trees and power lines were downed in Dunkirk and Chaneyville. A total of 3.20 inches of rain fell in Huntingtown where pea to nickel sized hail was reported. Pea sized hail also fell in Owens, Dunkirk, and Chesapeake Beach. Winds estimated at 50 MPH were also reported in Chesapeake Beach. In Baltimore County, 1.50 inches of rain fell at Lake Roland. Large trees were downed between Reisterstown and Cockeysville and heavy downpours flooded roads in Towson and Parkville. In Frederick County, quarter sized hail destroyed a cornfield in Thurmont and a car was hit by lightning but no one was injured.

#### Charles County

|                   |    |                    |  |  |   |   |  |  |                   |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Countywide</b> | 19 | 0000EST<br>2359EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|

Rainfall totals across the county included 4.70 inches in Dentsville, 2.26 inches in Port Tobacco, 1.93 inches in La Plata, and 1.60 inches in Waldorf.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### MARYLAND, Central

#### **Anne Arundel County**

|                   |    |                    |  |  |   |   |  |  |                    |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|
| <b>Countywide</b> | 26 | 1200EST<br>1600EST |  |  | 0 | 0 |  |  | <b>Flash Flood</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|

Numerous roads were flooded.

#### **Calvert County**

|                   |    |                    |  |  |   |   |  |  |                    |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|
| <b>Countywide</b> | 26 | 1200EST<br>1600EST |  |  | 0 | 0 |  |  | <b>Flash Flood</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|

Low lying areas and some roads were flooded.

#### **Charles County**

|                   |    |                    |  |  |   |   |  |  |                   |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Countywide</b> | 26 | 1200EST<br>1600EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### **Prince George'S County**

|                   |    |                    |  |  |   |   |  |  |                   |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Countywide</b> | 26 | 1200EST<br>1600EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### **St. Mary'S County**

|                   |    |                    |  |  |   |   |  |  |                    |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|
| <b>Countywide</b> | 26 | 1200EST<br>1600EST |  |  | 0 | 0 |  |  | <b>Flash Flood</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|

Several roads and creeks were flooded.

#### **Baltimore County**

|                        |    |                    |  |  |   |   |  |  |                   |
|------------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Central Portion</b> | 26 | 1300EST<br>1500EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### **Baltimore City (C)**

|                  |    |                    |  |  |   |   |  |  |                   |
|------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Baltimore</b> | 26 | 1300EST<br>1500EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------------|----|--------------------|--|--|---|---|--|--|-------------------|

Showers and thunderstorms the produced very heavy rainfall moved across central Maryland during the afternoon of the 16th. Heavy rain flooded streets in Prince George's and Baltimore Counties. Rainfall totals in Prince George's County included 2.74 inches in Beallsville, 2.25 inches in Brandywine, 2.18 inches in Dawsonville, 2.16 inches at Brown Landfill, 1.84 inches in Leeland, and 1.74 inches in South Bowie. Rainfall totals in Baltimore County included 2.60 inches at Ft. McHenry, 2.37 inches at the Maryland Science Center, 2.12 inches at Lake Roland, 1.92 inches at Carroll Park, and 1.72 inches in Perry Hall. In Anne Arundel County, numerous roads were flooded. Portions of Routes 450, 424, and 214 were closed by high water. Roads in Pasadena, Ponders Cove, Turkey Point, Shady Side, Selby on the Bay, and London Towne were also flooded. Rainfall totals included 6.58 inches in Pasadena, 5.44 inches in Hillsmere, 3.51 inches at the Naval Academy, 3.37 inches in Edgewater, 2.88 inches near Annapolis, 2.55 inches in Owings Beach, and 1.74 inches at Baltimore/Washington International Airport. In St. Mary's County, 3.20 inches fell in Ridge and Scotland, 2.46 inches fell in Tall Timbers, and 1.87 inches fell in Hollywood. MacArthur Boulevard, FDR Boulevard, and Chancellor's Run Road were closed by high water. The St. Mary's River came within 1 foot of overflowing its banks in Great Mills. In Calvert County, residents of Breezy Point, North Beach, Chesapeake Beach, Drum Point, and Cove Point reported flooded roadways and yards.

#### **Washington County**

|                   |    |         |  |  |   |   |       |  |                          |
|-------------------|----|---------|--|--|---|---|-------|--|--------------------------|
| <b>Hagerstown</b> | 28 | 1650EST |  |  | 0 | 0 | 0.50K |  | <b>Thunderstorm Wind</b> |
|-------------------|----|---------|--|--|---|---|-------|--|--------------------------|

Trees and power lines were downed southwest of Hagerstown.

#### **Montgomery County**

|                   |    |                    |  |  |   |   |  |  |                   |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Countywide</b> | 28 | 1800EST<br>1900EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### **Frederick County**

|                   |    |                    |  |  |   |   |     |  |                  |
|-------------------|----|--------------------|--|--|---|---|-----|--|------------------|
| <b>Countywide</b> | 28 | 1815EST<br>1845EST |  |  | 0 | 0 | 30K |  | <b>Lightning</b> |
|-------------------|----|--------------------|--|--|---|---|-----|--|------------------|

Three houses were damaged by lightning.

#### **Montgomery County**

|                   |    |         |  |  |   |   |       |  |                          |
|-------------------|----|---------|--|--|---|---|-------|--|--------------------------|
| <b>Countywide</b> | 28 | 1815EST |  |  | 0 | 0 | 0.50K |  | <b>Thunderstorm Wind</b> |
|-------------------|----|---------|--|--|---|---|-------|--|--------------------------|

Power lines were downed.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### MARYLAND, Central

#### **Baltimore City (C)**

|                  |    |                    |  |  |   |   |  |  |                   |
|------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Baltimore</b> | 28 | 1830EST<br>2030EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### **St. Mary'S County**

|                   |    |                    |  |  |   |   |  |  |                   |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Countywide</b> | 28 | 1830EST<br>2030EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### **Prince George'S County**

|                            |    |         |  |  |   |   |              |  |                          |
|----------------------------|----|---------|--|--|---|---|--------------|--|--------------------------|
| <b>1 SE Hillcrest Hgts</b> | 28 | 1915EST |  |  | 0 | 0 | <b>0.50K</b> |  | <b>Thunderstorm Wind</b> |
|----------------------------|----|---------|--|--|---|---|--------------|--|--------------------------|

Trees were downed in Marlow Heights.

During the afternoon and evening of the 28th, thunderstorms that produced winds in excess of 55 MPH, heavy rainfall, and frequent lightning moved across Maryland. In Washington County, trees and power lines were downed southwest of Hagerstown and near Hancock. In Frederick County, three homes were damaged by lightning. In Montgomery County, power lines were downed and 1.94 inches of rain fell in Darnestown. A total of 2.62 inches fell in Baltimore. In Prince George's County, trees were downed in Marlow Heights. In St. Mary's County, 2.00 inches fell in Tall Timbers and 1.73 inches fell in Ridge. Minor flooding was reported in Leonardtown.

#### **Washington County**

|                     |    |                    |  |  |   |   |  |  |                   |
|---------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>West Portion</b> | 30 | 1400EST<br>2200EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|---------------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### **Carroll County**

|                   |    |                    |  |  |   |   |  |  |                    |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|
| <b>Countywide</b> | 30 | 1530EST<br>1730EST |  |  | 0 | 0 |  |  | <b>Flash Flood</b> |
|-------------------|----|--------------------|--|--|---|---|--|--|--------------------|

Stream flooding was reported after 3 to 4 inches of rain fell.

#### **Baltimore City (C)**

|                  |    |                    |  |  |   |   |  |  |                   |
|------------------|----|--------------------|--|--|---|---|--|--|-------------------|
| <b>Baltimore</b> | 30 | 1600EST<br>2200EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------------|----|--------------------|--|--|---|---|--|--|-------------------|

Scattered thunderstorms produced heavy rainfall across the northern third of Maryland during the afternoon of the 30th. In Carroll County, small streams overflowed their banks after up to 4 inches of rain fell. In Union Bridge, water rose to the bottom of the Route 75 bridge on Main Street. In Washington County, 2.87 inches of rain fell in Hancock. A total of 2.04 inches fell at Carroll Park in Baltimore.

#### **Allegany County**

|                     |    |                    |  |  |   |   |  |  |                    |
|---------------------|----|--------------------|--|--|---|---|--|--|--------------------|
| <b>West Portion</b> | 31 | 1500EST<br>1700EST |  |  | 0 | 0 |  |  | <b>Flash Flood</b> |
|---------------------|----|--------------------|--|--|---|---|--|--|--------------------|

Roads and streams were flooded.

#### **Allegany County**

|                   |    |         |  |  |   |   |           |  |                    |
|-------------------|----|---------|--|--|---|---|-----------|--|--------------------|
| <b>Lonaconing</b> | 31 | 1508EST |  |  | 0 | 0 | <b>2K</b> |  | <b>Flash Flood</b> |
|-------------------|----|---------|--|--|---|---|-----------|--|--------------------|

Trees were downed along Route 36 near George's Creek.

#### **St. Mary'S County**

|                      |    |         |     |    |   |   |           |  |                     |
|----------------------|----|---------|-----|----|---|---|-----------|--|---------------------|
| <b>2 N Hollywood</b> | 31 | 1547EST | 0.1 | 30 | 0 | 0 | <b>5K</b> |  | <b>Tornado (F0)</b> |
|----------------------|----|---------|-----|----|---|---|-----------|--|---------------------|

A dugout at Higgs Memorial Ball Park was destroyed.

Isolated thunderstorms moved across Allegany and St. Mary's Counties during the afternoon of the 31st. Across the western portion of Allegany County, several roads were flooded and streams overflowed their banks after heavy downpours. Near Lonaconing, trees were downed along Route 36 at the intersection of George's Creek. A total of 1.85 inches of rain was recorded in Cumberland and over 3 inches fell in Westernport. In St. Mary's county, a weak tornado only 30 yards wide touched down momentarily just north of Hollywood at Higgs Memorial Ball Park. The F0 twister was only on the ground for one tenth of a mile but it damaged one structure, a dugout at the ballfield.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### VIRGINIA, North

|  |    |                    |  |  |   |   |       |  |  |
|--|----|--------------------|--|--|---|---|-------|--|--|
| <b>Fauquier County</b><br>Warrenton                  | 03 | 1840EST            |  |  | 0 | 0 | 0.50K |  | <b>Thunderstorm Wind (G52)<sup>M</sup></b><br>A wind gust of 60 MPH downed two trees.<br>A thunderstorm that produced winds in excess of 55 MPH, frequent lightning, and heavy downpours moved across northern Virginia during the afternoon of the 3rd. In Fauquier County, winds estimated at 60 MPH downed two trees in Warrenton. In Rappahannock County, a total of 1.50 inches of rain fell in Castleton.  |
| <b>Albemarle County</b><br>Countywide                | 05 | 1830EST<br>2030EST |  |  | 0 | 0 |       |  | <b>Heavy Rain</b><br>Doppler radar estimated over 2 inches of rainfall.  |
| <b>Augusta County</b><br>Countywide                  | 05 | 2000EST            |  |  | 0 | 0 |       |  | <b>Flash Flood</b><br>Route 654 was flooded.<br>Thunderstorms that produced heavy rainfall moved across the southern Shenandoah Valley during the evening of the 5th. In Augusta County, heavy downpours flooded Route 654. A total of 3.90 inches of rain fell in Stuarts Draft and 1.84 inches fell in Sherando. Doppler radar estimated rainfall as high as 4 to 5 inches in isolated locations of Augusta County. Doppler radar estimated around 2 inches of rainfall across Albemarle County. |
| <b>Shenandoah County</b><br>Edinburg to<br>Woodstock | 10 | 1510EST<br>1520EST |  |  | 0 | 0 | 2K    |  | <b>Thunderstorm Wind</b><br>Trees were downed.   |
| <b>Shenandoah County</b><br>Woodstock                | 10 | 1510EST            |  |  | 0 | 0 | 10K   |  | <b>Lightning</b><br>A lightning strike damaged a school gymnasium.   |
| <b>Page County</b><br>North Portion                  | 10 | 1530EST            |  |  | 0 | 0 | 1K    |  | <b>Thunderstorm Wind</b><br>Trees were downed near the Warren County border.   |
| <b>Warren County</b><br>Browntown                    | 10 | 1530EST            |  |  | 0 | 0 | 0.50K |  | <b>Thunderstorm Wind</b><br>Trees were downed onto roads and a car and a roof was damaged.   |
| <b>Fauquier County</b><br>Countywide                 | 10 | 1540EST<br>1630EST |  |  | 0 | 0 | 5K    |  | <b>Thunderstorm Wind</b><br>Trees were downed.   |
| <b>Fauquier County</b><br>Warrenton                  | 10 | 1558EST<br>1615EST |  |  | 0 | 0 | 5K    |  | <b>Thunderstorm Wind</b><br>Trees and power lines were downed and a tin roof was damaged.  |
| <b>Madison County</b><br>Countywide                  | 10 | 1600EST<br>1700EST |  |  | 0 | 0 |       |  | <b>Heavy Rain</b>  |
| <b>Rappahannock County</b><br>Flint Hill             | 10 | 1600EST            |  |  | 0 | 0 | 2K    |  | <b>Thunderstorm Wind</b><br>Trees were downed.   |
| <b>Madison County</b><br>4 NW Nethers                | 10 | 1610EST            |  |  | 0 | 0 |       |  | <b>Hail (0.88)</b><br>Nickel sized hail fell on Thoroughfare Mountain.   |
| <b>Madison County</b><br>4 NW Nethers                | 10 | 1610EST            |  |  | 0 | 0 | 10K   |  | <b>Thunderstorm Wind</b><br>Trees were downed and a shed was damaged on Thoroughfare Mountain.   |





# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### VIRGINIA, North

|   |    |         |  |  |   |   |       |  |                   |
|---|----|---------|--|--|---|---|-------|--|-------------------|
| <b>Manassas (C)</b>   |    |         |  |  |   |   |       |  |                   |
| Manassas  | 10 | 1620EST |  |  | 0 | 0 | 0.50K |  | Thunderstorm Wind |
| A tree was downed.  |    |         |  |  |   |   |       |  |                   |
| <b>Culpeper County</b>  |    |         |  |  |   |   |       |  |                   |
| Countywide  | 10 | 1630EST |  |  | 0 | 0 | 5K    |  | Thunderstorm Wind |
| Trees and power lines were downed and structures along Route 29 were damaged. |    |         |  |  |   |   |       |  |                   |
| <b>Madison County</b>   |    |         |  |  |   |   |       |  |                   |
| Leon  | 10 | 1635EST |  |  | 0 | 0 | 1K    |  | Thunderstorm Wind |
| Trees were downed.  |    |         |  |  |   |   |       |  |                   |
| <b>Stafford County</b>  |    |         |  |  |   |   |       |  |                   |
| Countywide  | 10 | 1635EST |  |  | 0 | 0 | 2K    |  | Thunderstorm Wind |
| Trees were downed.  |    |         |  |  |   |   |       |  |                   |
| <b>Prince William County</b>  |    |         |  |  |   |   |       |  |                   |
| Woodbridge  | 10 | 1640EST |  |  | 0 | 0 | 1K    |  | Thunderstorm Wind |
| Trees were downed.  |    |         |  |  |   |   |       |  |                   |
| <b>Orange County</b>  |    |         |  |  |   |   |       |  |                   |
| 4 NE Orange to Orange   | 10 | 1645EST |  |  | 0 | 0 | 2K    |  | Thunderstorm Wind |
| Trees were downed.  |    |         |  |  |   |   |       |  |                   |
| <b>Fredericksburg (C)</b>   |    |         |  |  |   |   |       |  |                   |
| Fredericksburg  | 10 | 1710EST |  |  | 0 | 0 | 0.50K |  | Thunderstorm Wind |
| Two trees were downed.  |    |         |  |  |   |   |       |  |                   |
| <b>King George County</b>   |    |         |  |  |   |   |       |  |                   |
| Countywide  | 10 | 1715EST |  |  | 0 | 0 | 2K    |  | Thunderstorm Wind |
| Trees and power lines were downed.  |    |         |  |  |   |   |       |  |                   |

Thunderstorms that produced winds in excess of 55 MPH, large hail, frequent lightning, and heavy downpours moved across northern Virginia during the afternoon and evening of the 10th. In Shenandoah County, trees and power lines were downed from Edinburg to Woodstock. One felled tree destroyed a stoplight. A lightning strike damaged a school gymnasium in Woodstock. A total of 1.51 inches of rain fell in Zepp. In Page County, trees were downed near the Warren County border. In Warren County, trees were downed onto roads, a roof, and a car in Browntown. In Madison County, nickel sized hail fell and several trees were downed on Thoroughfare Mountain. A shed was damaged by a felled tree nearby. Trees were also downed in Leon. Rainfall totals included nearly 3.0 inches in Brightwood and 1.5 inches in Leon. In Rappahannock County, trees were downed in Flint Hill. In Fauquier county, trees and power lines were downed in Warrenton and across the county. The tin roof of a nearby barn was peeled back and shutters and siding were torn off homes in town. In Prince William County, trees were downed in Manassas and Woodbridge. In Culpeper County, trees and power lines were downed. Along Route 29, gusty winds ripped a metal and canvas awning off a building and threw it onto the roof where it punctured holes that led to water damage inside. In Orange County, trees were downed in Rapidan and Orange. Trees were downed across Stafford and King George Counties. In Spotsylvania County, two trees were downed in Fredericksburg.

|                                       |    |                    |  |  |   |   |  |  |             |
|---------------------------------------|----|--------------------|--|--|---|---|--|--|-------------|
| <b>Prince William County</b>          |    |                    |  |  |   |   |  |  |             |
| Countywide                            | 14 | 1800EST<br>2300EST |  |  | 0 | 0 |  |  | Heavy Rain  |
| <b>Prince William County</b>          |    |                    |  |  |   |   |  |  |             |
| 3 SW Gainesville                      | 14 | 1830EST<br>1838EST |  |  | 0 | 0 |  |  | Hail (1.00) |
| Quarter sized hail fell in Greenwich. |    |                    |  |  |   |   |  |  |             |



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

| Location  | Date | Time<br>Local/<br>Standard | Path<br>Length<br>(Miles)                           | Path<br>Width<br>(Yards) | Number of<br>Persons |         | Estimated<br>Damage |       | Character of Storm |
|---|------|----------------------------|---|--------------------------|----------------------|---------|---------------------|-------|--------------------|
|   |      |                            |   |                          | Killed               | Injured | Property            | Crops |                    |
| <b><u>VIRGINIA, North</u></b>                     |      |                            |   |                          |                      |         |                     |       |                    |
| <b>Prince William County</b><br>3 SW Gainesville  | 14   | 1850EST                    |   |                          | 0                    | 0       |                     |       | Hail (1.00)        |
|   |      |                            | Quarter sized hail fell in Greenwich.               |                          |                      |         |                     |       |                    |
| <b>Shenandoah County</b><br>Countywide            | 14   | 1900EST<br>2100EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Warren County</b><br>Countywide                | 14   | 1900EST<br>2100EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Manassas (C)</b><br>Manassas                   | 14   | 1922EST                    |   |                          | 0                    | 0       |                     |       | Hail (0.75)        |
|   |      |                            | Dime sized hail fell.                               |                          |                      |         |                     |       |                    |
| <b>Page County</b><br>Countywide                  | 14   | 1930EST<br>2130EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Prince William County</b><br>3 SW Buckhall     | 14   | 1944EST                    |   |                          | 0                    | 0       |                     |       | Hail (1.00)        |
|   |      |                            | Quarter sized hail fell at Lake Jackson.            |                          |                      |         |                     |       |                    |
| <b>Prince William County</b><br>Northeast Portion | 14   | 1945EST                    |   |                          | 0                    | 0       | 1K                  |       | Thunderstorm Wind  |
|   |      |                            | A tree was downed onto a house.                     |                          |                      |         |                     |       |                    |
| <b>Fauquier County</b><br>Countywide              | 14   | 2000EST<br>2230EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Loudoun County</b><br>Countywide               | 14   | 2000EST<br>2230EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Manassas (C)</b><br>Manassas                   | 14   | 2000EST                    |   |                          | 0                    | 0       |                     |       | Hail (0.88)        |
|   |      |                            | Nickel sized hail fell.                             |                          |                      |         |                     |       |                    |
| <b>Page County</b><br>7 N Luray                   | 14   | 2030EST                    |   |                          | 0                    | 0       | 1K                  |       | Thunderstorm Wind  |
|   |      |                            | Trees were downed.                                  |                          |                      |         |                     |       |                    |
| <b>Fauquier County</b><br>Warrenton               | 14   | 2100EST                    |   |                          | 0                    | 0       | 5K                  |       | Hail (1.75)        |
|   |      |                            | Quarter to golfball sized hail damaged a vineyard   |                          |                      |         |                     |       |                    |
| <b>Loudoun County</b><br>Ashburn                  | 14   | 2103EST<br>2110EST         |   |                          | 0                    | 0       |                     |       | Hail (1.50)        |
|   |      |                            | Dime to walnut sized hail fell.                     |                          |                      |         |                     |       |                    |
| <b>Loudoun County</b><br>Sterling                 | 14   | 2111EST                    |   |                          | 0                    | 0       | 10K                 |       | Hail (0.75)        |
|   |      |                            | Dime sized hail damaged vegetation and dented cars. |                          |                      |         |                     |       |                    |
| <b>Fairfax County</b><br>Countywide               | 14   | 2120EST<br>2300EST         |   |                          | 0                    | 0       |                     |       | Flash Flood        |
|   |      |                            | Roads were flooded in Annandale.                    |                          |                      |         |                     |       |                    |
| <b>Loudoun County</b><br>1 N Dulles Intl Arpt     | 14   | 2123EST                    |   |                          | 0                    | 0       |                     |       | Hail (0.88)        |
|   |      |                            | Dime to nickel sized hail fell.                     |                          |                      |         |                     |       |                    |



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### VIRGINIA, North

#### Falls Church (C)

|            |    |                    |  |  |   |   |  |  |            |
|------------|----|--------------------|--|--|---|---|--|--|------------|
| Countywide | 14 | 2130EST<br>2359EST |  |  | 0 | 0 |  |  | Heavy Rain |
|------------|----|--------------------|--|--|---|---|--|--|------------|

#### Stafford County

|            |    |         |  |  |   |   |    |  |                   |
|------------|----|---------|--|--|---|---|----|--|-------------------|
| Countywide | 14 | 2130EST |  |  | 0 | 0 | 2K |  | Thunderstorm Wind |
|------------|----|---------|--|--|---|---|----|--|-------------------|

A tree was downed onto a house.

#### King George County

|            |    |                    |  |  |   |   |  |  |             |
|------------|----|--------------------|--|--|---|---|--|--|-------------|
| Countywide | 14 | 2140EST<br>2300EST |  |  | 0 | 0 |  |  | Flash Flood |
|------------|----|--------------------|--|--|---|---|--|--|-------------|

Over 3 inches of rain fell in one half hour in Dahlgren.

#### Spotsylvania County

|            |    |                    |  |  |   |   |  |  |            |
|------------|----|--------------------|--|--|---|---|--|--|------------|
| Countywide | 14 | 2200EST<br>2359EST |  |  | 0 | 0 |  |  | Heavy Rain |
|------------|----|--------------------|--|--|---|---|--|--|------------|

A cold front moved across the region during the evening of the 14th. Thunderstorms that developed ahead and along this front produced very heavy rainfall, large hail, and winds in excess of 55 MPH. In Prince William county, marble to quarter sized hail fell in Greenwich and at Lake Jackson. A tree was downed onto a home in the northeast portion of the county where up to 2.7 inches of rain fell. Dime to nickel sized hail fell in Manassas. In Stafford County, a tree was downed onto a home. In Fauquier County, quarter to golfball sized hail damaged a vineyard near Warrenton. A total of 2.5 inches of rain fell at Broad Run. In Rappahannock County, hail fell in Massie's Corner. In Page County, trees were downed north of Luray. A total of 2.11 inches of rain fell at Rocky Branch. In Warren County, rainfall totals included 1.70 inches in Strasburg and 1.61 inches in Nineveh. In Spotsylvania County, 2.20 inches of rain fell in Spotsylvania. In Shenandoah County, 2.02 inches fell at Burnshire Dam and pea sized hail fell in Woodstock. In Loudoun County, dime to walnut sized hail fell in Ashburn where foliage was stripped and cars were dented. Dime to nickel sized hail fell near Dulles International Airport where winds gusted to 40 MPH. Dime sized hail fell with such force in Sterling that it stripped leaves from vegetation and dented cars. Rainfall totals included 1.75 inches in Ashburn and 1.05 inches at Dulles International Airport. In Fairfax County, Route 1 and Woodburn Road were closed by high water. Rainfall totals included 4.25 inches at Ft. Belvoir, 3.30 inches in Burke, 3.08 inches at Mt. Vernon, and 2.05 inches in Herndon and Annandale. A house in Oakton was damaged by a fire caused by a lightning strike. At Washington National Airport in Arlington, a wind gust of 53 MPH downed tree branches. In Falls Church, 1.96 inches was recorded. In King George County, over 3 inches of rain fell in 30 minutes near Dahlgren. Marble sized hail fell in Arlington.

#### Loudoun County

|          |    |         |  |  |   |   |  |  |             |
|----------|----|---------|--|--|---|---|--|--|-------------|
| Sterling | 16 | 1735EST |  |  | 0 | 0 |  |  | Hail (0.75) |
|----------|----|---------|--|--|---|---|--|--|-------------|

Dime sized hail fell.

#### Loudoun County 4 NE Leesburg

|    |         |  |  |   |   |       |  |                   |
|----|---------|--|--|---|---|-------|--|-------------------|
| 16 | 1805EST |  |  | 0 | 0 | 0.50K |  | Thunderstorm Wind |
|----|---------|--|--|---|---|-------|--|-------------------|

Trees were downed onto White's Ferry Road.

A thunderstorm which produced winds in excess of 55 MPH, large hail, and brief heavy downpours moved across Loudoun County during the evening of the 16th. Marble to dime sized hail was reported in Sterling. A total of 1.25 inches of rain fell in 20 minutes in Leesburg. Northeast of Leesburg, trees were downed onto White's Ferry Road and on the shore of the Potomac River. In addition, pea sized hail was reported in Arlington.

#### Loudoun County

|         |    |         |  |  |   |   |      |  |           |
|---------|----|---------|--|--|---|---|------|--|-----------|
| Ashburn | 22 | 1550EST |  |  | 0 | 0 | 100K |  | Lightning |
|---------|----|---------|--|--|---|---|------|--|-----------|

A house was destroyed by a lightning fire.

A lightning bolt ignited a fire which heavily damaged a home in Ashburn.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

| Location  | Date | Time<br>Local/<br>Standard | Path<br>Length<br>(Miles)                       | Path<br>Width<br>(Yards) | Number of<br>Persons |         | Estimated<br>Damage |       | Character of Storm |
|---|------|----------------------------|---|--------------------------|----------------------|---------|---------------------|-------|--------------------|
|   |      |                            |   |                          | Killed               | Injured | Property            | Crops |                    |
| <b><u>VIRGINIA, North</u></b>                   |      |                            |   |                          |                      |         |                     |       |                    |
| <b>Augusta County</b><br>Countywide             | 28   | 1245EST<br>1430EST         |   |                          | 0                    | 0       |                     |       | Flash Flood        |
|   |      |                            | Roads were flooded in Sherando.                 |                          |                      |         |                     |       |                    |
| <b>Staunton (C)</b><br>Staunton                 | 28   | 1245EST<br>1430EST         |   |                          | 0                    | 0       |                     |       | Flash Flood        |
|   |      |                            | Roads were flooded.                             |                          |                      |         |                     |       |                    |
| <b>Rockingham County</b><br>Countywide          | 28   | 1500EST<br>1730EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Shenandoah County</b><br>Countywide          | 28   | 1500EST<br>1730EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Charlottesville (C)</b><br>Charlottesville   | 28   | 1530EST<br>1730EST         |   |                          | 0                    | 0       |                     |       | Flash Flood        |
|   |      |                            | Roads were closed by high water.                |                          |                      |         |                     |       |                    |
| <b>Culpeper County</b><br>Countywide            | 28   | 1600EST<br>1800EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Fauquier County</b><br>Countywide            | 28   | 1600EST<br>1800EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Nelson County</b><br>Countywide              | 28   | 1600EST<br>1830EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Fairfax County</b><br>Countywide             | 28   | 1700EST<br>1900EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Loudoun County</b><br>Countywide             | 28   | 1700EST<br>1900EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Spotsylvania County</b><br>North Portion     | 28   | 1700EST<br>1900EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Albemarle County</b><br>Charlottesville Arpt | 28   | 1710EST                    |   |                          | 0                    | 0       |                     |       | Hail (0.75)        |
|   |      |                            | Dime sized hail fell.                           |                          |                      |         |                     |       |                    |
| <b>Nelson County</b><br>Faber                   | 28   | 1713EST                    |   |                          | 0                    | 0       | 40K                 |       | Lightning          |
|   |      |                            | A large barn was destroyed by a lightning fire. |                          |                      |         |                     |       |                    |
| <b>Alexandria (C)</b><br>Alexandria             | 28   | 1730EST<br>1930EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Arlington County</b><br>Countywide           | 28   | 1730EST<br>1930EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Prince William County</b><br>Countywide      | 28   | 1730EST<br>1930EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |
| <b>Stafford County</b><br>Countywide            | 28   | 1730EST<br>1930EST         |   |                          | 0                    | 0       |                     |       | Heavy Rain         |



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### VIRGINIA, North

#### Fauquier County

|             |           |                |  |  |          |          |  |  |                    |
|-------------|-----------|----------------|--|--|----------|----------|--|--|--------------------|
| <b>Opal</b> | <b>28</b> | <b>1800EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (0.75)</b> |
|-------------|-----------|----------------|--|--|----------|----------|--|--|--------------------|

Dime sized hail fell.

#### Manassas (C)

|                 |           |                |  |  |          |          |  |  |                    |
|-----------------|-----------|----------------|--|--|----------|----------|--|--|--------------------|
| <b>Manassas</b> | <b>28</b> | <b>1800EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (0.75)</b> |
|-----------------|-----------|----------------|--|--|----------|----------|--|--|--------------------|

Dime sized hail fell.

#### Prince William County

|                   |           |                |  |  |          |          |           |  |                          |
|-------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|
| <b>Countywide</b> | <b>28</b> | <b>1800EST</b> |  |  | <b>0</b> | <b>0</b> | <b>5K</b> |  | <b>Thunderstorm Wind</b> |
|-------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|

Trees were downed.

#### Fairfax (C)

|                |           |                |  |  |          |          |              |  |                          |
|----------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| <b>Fairfax</b> | <b>28</b> | <b>1840EST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.50K</b> |  | <b>Thunderstorm Wind</b> |
|----------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|

Trees were downed at GMU.

#### Fairfax County

|                         |           |                |  |  |          |          |              |  |                          |
|-------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| <b>2 NW Springfield</b> | <b>28</b> | <b>1845EST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.50K</b> |  | <b>Thunderstorm Wind</b> |
|-------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|

A tree was downed onto the Beltway at Braddock Road.

#### Spotsylvania County

|                            |           |                |  |  |          |          |              |  |                          |
|----------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| <b>3 NE Four Mile Fork</b> | <b>28</b> | <b>1945EST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.50K</b> |  | <b>Thunderstorm Wind</b> |
|----------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|

Trees were downed along the Rappahannock River near Interstate 95.

During the afternoon and evening of the 28th, thunderstorms which produced winds in excess of 55 MPH, heavy rainfall, frequent lightning, and hail moved across northern Virginia. In Augusta County, heavy rain flooded roads in Sherando and Staunton. Gypsy Hill Park in Staunton was also closed by high water. Rainfall totals included 2.25 inches in Staunton and 1.54 inches in Sherando. In Albemarle County, dime sized hail fell at the Charlottesville Airport. High water also closed roads in Charlottesville. In Nelson County, a lightning strike sparked a fire which destroyed a barn in Faber. A total of 2.76 inches of rain fell in Rockfish. In Rockingham County, a total of 1.95 inches fell in Briery Branch. Rainfall totals in Shenandoah County included 2.45 inches in Zepp and 1.70 inches at Fetzer Gap. In Fauquier County, pea to dime sized hail fell in Opal, where 2.00 inches was recorded in 30 minutes. In Culpeper County, 1.70 inches of rain fell in Culpeper. In Madison County, 1.59 inches of rain fell in Syria. In Prince William County, trees were downed and 2.98 inches of rain fell at Lake Jackson. Dime sized hail fell in Manassas. In Fairfax County, a tree was downed onto the beltway at Braddock Road and trees were downed near George Mason University in Fairfax. Five county homes were damaged by lightning. Rainfall totals included 2.65 inches at Ft. Belvoir, 2.56 inches in Springfield, 2.25 inches in Reston, 2.10 inches in Annandale, and 1.52 inches in Herndon. In Spotsylvania County, trees were downed along the Rappahannock River 3 miles west of Interstate 95. In Stafford County, 2.75 inches of rain fell in less than 30 minutes near Stafford. In Loudoun County, 1.65 inches of rain fell at Dulles International Airport where winds gusted to 53 MPH. A total of 2.21 inches of rain fell in Arlington.

#### Shenandoah County

|                   |           |                |  |  |          |          |            |  |                          |
|-------------------|-----------|----------------|--|--|----------|----------|------------|--|--------------------------|
| <b>Mt Jackson</b> | <b>29</b> | <b>1545EST</b> |  |  | <b>0</b> | <b>0</b> | <b>50K</b> |  | <b>Thunderstorm Wind</b> |
|-------------------|-----------|----------------|--|--|----------|----------|------------|--|--------------------------|

An aluminum barn roof and a well house roof were blown off, a home was damaged, and crops and trees were blown down

#### Madison County

|                   |           |                            |  |  |          |          |  |  |                   |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|-------------------|
| <b>Countywide</b> | <b>29</b> | <b>1600EST<br/>2200EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Heavy Rain</b> |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|-------------------|

#### Page County

|                   |           |                            |  |  |          |          |  |  |                   |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|-------------------|
| <b>Countywide</b> | <b>29</b> | <b>1600EST<br/>2200EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Heavy Rain</b> |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|-------------------|

#### Shenandoah County

|                   |           |                            |  |  |          |          |  |  |                   |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|-------------------|
| <b>Countywide</b> | <b>29</b> | <b>1600EST<br/>2200EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Heavy Rain</b> |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|-------------------|



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### VIRGINIA, North

#### Rockingham County

|            |    |                    |  |  |   |   |  |  |                    |
|------------|----|--------------------|--|--|---|---|--|--|--------------------|
| Countywide | 29 | 1720EST<br>1800EST |  |  | 0 | 0 |  |  | <b>Flash Flood</b> |
|------------|----|--------------------|--|--|---|---|--|--|--------------------|

Route 259 was flooded at Fulks Run.

Scattered thunderstorms that produced heavy rainfall moved across the central Shenandoah Valley during the afternoon of the 29th. In Rockingham County, heavy downpours caused Fulks Run to overflow its banks and flood Route 259. Rainfall totals included 2.78 inches in Cootes Store and 2.68 inches in Briery Branch. In Shenandoah County, high winds damaged several structures and crops. The aluminum roof of a turkey barn was blown off and thrown 300 yards by high winds. Nearby, trees and corn crops were blown over and apples were blown off trees in an orchard. In addition, the roof of a well house was removed and a large white column was torn from the front porch of a house. A total of 1.66 inches of rain fell in New Market. In Page County, 1.74 inches fell at Lewis Mountain Camp. In Madison County, 1.85 inches fell in Hood.

#### Nelson County

|            |    |                    |  |  |   |   |  |  |                   |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|
| Countywide | 31 | 1200EST<br>1800EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### Rappahannock County

|            |    |                    |  |  |   |   |  |  |                   |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|
| Countywide | 31 | 1200EST<br>1800EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|

Isolated thunderstorms produced heavy rainfall across the central and southern Shenandoah Valley during the afternoon of the 31st. In Nelson County, 2.00 inches was recorded in Tye River. In Rappahannock County, 1.68 inches was reported at Massie's Corner.

### WEST VIRGINIA, East

#### Hardy County

|            |    |                    |  |  |   |   |  |  |                   |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|
| Countywide | 13 | 1400EST<br>1600EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### Hardy County

|                |    |         |  |  |   |   |  |  |                    |
|----------------|----|---------|--|--|---|---|--|--|--------------------|
| 6 S Moorefield | 13 | 1500EST |  |  | 0 | 0 |  |  | <b>Hail (0.75)</b> |
|----------------|----|---------|--|--|---|---|--|--|--------------------|

Dime sized hail fell.

#### Hardy County

|                |    |         |  |  |   |   |     |  |                          |
|----------------|----|---------|--|--|---|---|-----|--|--------------------------|
| 6 S Moorefield | 13 | 1500EST |  |  | 0 | 0 | 10K |  | <b>Thunderstorm Wind</b> |
|----------------|----|---------|--|--|---|---|-----|--|--------------------------|

Large trees were downed and minor roof damage was reported.

A thunderstorm that produced large hail, winds in excess of 55 MPH, and heavy downpours moved across Hardy County during the afternoon of the 13th. South of Moorefield, dime sized hail fell and a few large trees were downed. A few homeowners reported minor roof damaged from felled trees. Heavy downpours produced minor flooding along Route 220 and flooded basements in homes.

#### Berkeley County

|            |    |                    |  |  |   |   |  |  |                   |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|
| Countywide | 14 | 1800EST<br>2000EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### Jefferson County

|            |    |                    |  |  |   |   |  |  |                   |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|
| Countywide | 14 | 1800EST<br>2000EST |  |  | 0 | 0 |  |  | <b>Heavy Rain</b> |
|------------|----|--------------------|--|--|---|---|--|--|-------------------|

#### Berkeley County

|             |    |                    |  |  |   |   |  |  |                    |
|-------------|----|--------------------|--|--|---|---|--|--|--------------------|
| Hedgesville | 14 | 1845EST<br>1855EST |  |  | 0 | 0 |  |  | <b>Hail (1.00)</b> |
|-------------|----|--------------------|--|--|---|---|--|--|--------------------|

Marble to quarter sized hail fell.

#### Jefferson County

|                    |    |         |  |  |   |   |  |  |                    |
|--------------------|----|---------|--|--|---|---|--|--|--------------------|
| 5 SW Shepherdstown | 14 | 2000EST |  |  | 0 | 0 |  |  | <b>Hail (1.00)</b> |
|--------------------|----|---------|--|--|---|---|--|--|--------------------|

Pea to quarter sized hail fell in Kearneysville.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

### WEST VIRGINIA, East

#### Jefferson County

|                           |           |                |  |  |          |          |              |  |                          |
|---------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|
| <b>5 SW Shepherdstown</b> | <b>14</b> | <b>2000EST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.50K</b> |  | <b>Thunderstorm Wind</b> |
|---------------------------|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------|

Trees were damaged.

A cold front moved across the region during the evening of the 14th. Thunderstorms that developed ahead and along this front produced very heavy rainfall, large hail, and winds in excess of 55 MPH. In Berkeley County, marble to quarter sized hail fell in Hedgesville. A total of 3.75 inches of rain was recorded in Inwood where winds gusted to 42 MPH. In Jefferson County, pea to quarter sized hail fell and trees were damaged in Kearneysville. A total of 5.00 inches of rain fell in Harpers Ferry.

#### Jefferson County

|                      |           |                |  |  |          |          |  |  |                    |
|----------------------|-----------|----------------|--|--|----------|----------|--|--|--------------------|
| <b>Shepherdstown</b> | <b>16</b> | <b>1605EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.75)</b> |
|----------------------|-----------|----------------|--|--|----------|----------|--|--|--------------------|

Golfball sized hail fell.

A thunderstorm that produced large hail and brief heavy downpours moved across Jefferson County during the afternoon of the 16th. Golfball sized hail fell in Sheperdstown.

#### Hardy County

|                   |           |                |  |  |          |          |           |  |                          |
|-------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|
| <b>Moorefield</b> | <b>28</b> | <b>1425EST</b> |  |  | <b>0</b> | <b>0</b> | <b>1K</b> |  | <b>Thunderstorm Wind</b> |
|-------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|

Trees were downed.

#### Hampshire County

|               |           |                |  |  |          |          |           |  |                          |
|---------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|
| <b>Delray</b> | <b>28</b> | <b>1430EST</b> |  |  | <b>0</b> | <b>0</b> | <b>1K</b> |  | <b>Thunderstorm Wind</b> |
|---------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|

Trees were downed.

#### Morgan County

|                      |           |                |  |  |          |          |           |  |                          |
|----------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|
| <b>Berkeley Spgs</b> | <b>28</b> | <b>1630EST</b> |  |  | <b>0</b> | <b>0</b> | <b>1K</b> |  | <b>Thunderstorm Wind</b> |
|----------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|

Trees were downed.

#### Berkeley County

|                                     |           |                            |  |  |          |          |  |  |                    |
|-------------------------------------|-----------|----------------------------|--|--|----------|----------|--|--|--------------------|
| <b>Hedgesville to<br/>Bedington</b> | <b>28</b> | <b>1640EST<br/>1650EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.00)</b> |
|-------------------------------------|-----------|----------------------------|--|--|----------|----------|--|--|--------------------|

Quarter sized hail fell.

#### Berkeley County

|                    |           |                |  |  |          |          |           |  |                          |
|--------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|
| <b>Hedgesville</b> | <b>28</b> | <b>1640EST</b> |  |  | <b>0</b> | <b>0</b> | <b>1K</b> |  | <b>Thunderstorm Wind</b> |
|--------------------|-----------|----------------|--|--|----------|----------|-----------|--|--------------------------|

Trees were downed.

During the afternoon of the 28th, thunderstorms which produced winds in excess of 55 MPH, heavy downpours, and large hail crossed the Eastern Panhandle. In Hampshire County, trees were downed in Delray. In Howard County, trees were downed in Moorefield. In Berkeley County, quarter sized hail fell from Hedgesville to Bedington. Trees were downed along Camp Frame Road and Dry Run Road near Hedgesville. In Morgan County, trees were downed in Berkeley Springs where one inch of rain fell in 20 minutes.

#### Grant County

|                   |           |                            |  |  |          |          |  |  |                    |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|--------------------|
| <b>Countywide</b> | <b>31</b> | <b>1500EST<br/>1700EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Flash Flood</b> |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|--------------------|

Streets were flooded in Petersburg.

#### Mineral County

|                   |           |                            |  |  |          |          |  |  |                    |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|--------------------|
| <b>Countywide</b> | <b>31</b> | <b>1500EST<br/>1700EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Flash Flood</b> |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|--------------------|

Streets were flooded.

#### Grant County

|   |           |                |  |  |          |          |            |  |                          |
|---|-----------|----------------|--|--|----------|----------|------------|--|--------------------------|
| <b>Petersburg Grant Arp to<br/>Petersburg</b> | <b>31</b> | <b>1520EST</b> |  |  | <b>0</b> | <b>0</b> | <b>10K</b> |  | <b>Thunderstorm Wind</b> |
|---|-----------|----------------|--|--|----------|----------|------------|--|--------------------------|

Garage doors were blown off a hanger and trees were downed.

#### Hampshire County

|                   |           |                            |  |  |          |          |  |  |                    |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|--------------------|
| <b>Countywide</b> | <b>31</b> | <b>1600EST<br/>1800EST</b> |  |  | <b>0</b> | <b>0</b> |  |  | <b>Flash Flood</b> |
|-------------------|-----------|----------------------------|--|--|----------|----------|--|--|--------------------|

Streets were flooded.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2000

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

**WEST VIRGINIA, East**

**Hardy County**

Countywide

|           |                            |  |  |  |          |          |  |  |                    |
|-----------|----------------------------|--|--|--|----------|----------|--|--|--------------------|
| <b>31</b> | <b>1600EST<br/>1800EST</b> |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Flash Flood</b> |
|-----------|----------------------------|--|--|--|----------|----------|--|--|--------------------|

Streets were flooded.

Thunderstorms that produced heavy rain and gusty winds moved across the Eastern Panhandle during the afternoon and evening of the 31st. In Mineral and Hardy Counties, heavy downpours flooded streets in Moorefield and Piedmont. In Hampshire County, 2.25 inches of rain fell in Romney in 30 minutes which resulted in flooded roads. In Grant County, street flooding was reported in Petersburg. Winds in excess of 55 MPH blew garage doors off a hanger at the Grant County Airport near Petersburg. The roof of a pool bath house was blown off and trees were downed in the vicinity.