



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

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

ANZ537 Lewisetta			Tidal Potomac Cobb Is Md To Smith Pt Va 07 1748EST		0	0			Marine Tstm Wind (MG37)
ANZ535 Rnld Reagan Natl Arpt			Tidal Potomac Key Bridge To Indian Hd Md 09 1616EST		0	0			Marine Tstm Wind (EG35)
ANZ537 Lewisetta			Tidal Potomac Cobb Is Md To Smith Pt Va 09 1724EST		0	0			Marine Tstm Wind (MG43)
ANZ534 Solomons Island			Chesapeake Bay Drum Pt To Smith Pt Va 09 1800EST		0	0			Marine Tstm Wind (MG35)
ANZ533 3 W Drum Pt			Chesapeake Bay N Beach To Drum Pt Md 09 1800EST		0	0			Marine Tstm Wind (MG35)
ANZ533 24 E Plum Pt			Chesapeake Bay N Beach To Drum Pt Md 09 1830EST		0	0			Marine Tstm Wind (MG38)
ANZ533 15 E Plum Pt			Chesapeake Bay N Beach To Drum Pt Md 09 1830EST		0	0			Marine Tstm Wind (MG35)
ANZ536 8 E Quantico			Tidal Potomac Indian Hd To Cobb Is Md 10 1925EST		0	0			Marine Tstm Wind (EG50)
ANZ535 Rnld Reagan Natl Arpt			Tidal Potomac Key Bridge To Indian Hd Md 10 2329EST		0	0			Marine Tstm Wind (EG35)
ANZ531 6 S Riviera Beach			Chesapeake Bay Pooles Is To Sandy Pt Md 11 0030EST		0	0			Marine Tstm Wind (EG50)
ANZ533 13 E Chesapeake Beach			Chesapeake Bay N Beach To Drum Pt Md 18 1640EST		0	0			Marine Tstm Wind (MG48)
ANZ533 20 E Chesapeake Beach			Chesapeake Bay N Beach To Drum Pt Md 18 1645EST		0	0			Marine Tstm Wind (MG43)
ANZ534 Crisfield			Chesapeake Bay Drum Pt To Smith Pt Va 18 1850EST		0	0			Marine Tstm Wind (MG36)
ANZ534 Smith Island			Chesapeake Bay Drum Pt To Smith Pt Va 18 1900EST		0	0			Marine Tstm Wind (MG45)
ANZ537 Lewisetta			Tidal Potomac Cobb Is Md To Smith Pt Va 22 1430EST		0	0			Marine Tstm Wind (EG35)
ANZ534 14 N Smith Island			Chesapeake Bay Drum Pt To Smith Pt Va 22 1510EST		0	0			Marine Tstm Wind (MG37)
ANZ534 Point Lookout			Chesapeake Bay Drum Pt To Smith Pt Va 22 1513EST		0	0			Marine Tstm Wind (MG36)
ANZ537 Point Lookout			Tidal Potomac Cobb Is Md To Smith Pt Va 22 1513EST		0	0			Marine Tstm Wind (MG36)
ANZ534 16 E Patuxent River Nas			Chesapeake Bay Drum Pt To Smith Pt Va 22 1528EST		0	0			Marine Tstm Wind (MG45)
ANZ534 14 N Smith Island			Chesapeake Bay Drum Pt To Smith Pt Va 22 1531EST		0	0			Marine Tstm Wind (MG43)

DISTRICT OF COLUMBIA

District Of Columbia Countywide					0	0			Flash Flood
	10	2330EST							
	11	0030EST							

Canal Road was closed by high water.



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DISTRICT OF COLUMBIA

District Of Columbia

Countywide	10	2340EST			0	0	2K		Thunderstorm Wind (EG50)
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Six trees were downed.

A thunderstorm with high winds, heavy downpours, and frequent lightning moved through the District between midnight and 1 AM on the 11th. In Georgetown, Canal Road was closed by flooding. Six trees were downed between Dupont Circle and Cleveland Park. Two homes and one car were hit by lightning. One of the homes was severely damaged after lightning struck the chimney and started the roof and the attic on fire.

MARYLAND, Central

Anne Arundel County

South Portion	03	0400EST 0700EST			0	0			Heavy Rain
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Calvert County

Countywide	03	0400EST 0700EST			0	0			Heavy Rain
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Charles County

Countywide	03	0400EST 0700EST			0	0			Heavy Rain
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The remnants of Tropical Storm Bill moved through the region on the 2nd and 3rd and dropped heavy rainfall across Southern Maryland. In Southern Anne Arundel County, 2 to 4.5 inches was recorded. In Charles County, 3.13 inches was recorded in Waldorf and over 4 inches fell south of La Plata. In Calvert County, over 2 inches was reported in some locations

Frederick County

Middletown	04	1447EST			0	0	0.50K		Thunderstorm Wind (EG50)
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A few trees were downed.

Frederick County

Myersville	04	1447EST			0	0	0.50K		Thunderstorm Wind (EG50)
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A few trees were downed.

Howard County

Glenelg	04	1837EST			0	0	10K		Thunderstorm Wind (EG50)
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Trees were downed at the intersection of Route 32 and Triadelphia Road. A large barn on Sharp Road was destroyed.

Thunderstorms with high wind moved through Central Maryland during the afternoon and early evening of the 4th. In Frederick County, a few trees were downed in Middletown and Myersville. A wind gust of 43 MPH was recorded in Frederick. In Carroll County, a 44 MPH wind gust was recorded in Westminster. In Howard County, a large barn used by community organizations was destroyed by a downburst of winds estimated at 80 MPH on Sharp Road in Glenelg. Trees were also downed in Glenelg at the intersection of Route 32 and Triadelphia.

Montgomery County

Northwest Portion	06	1700EST 1800EST			0	0			Heavy Rain
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Small stream flooding was reported in Damascus.

Montgomery County

Bethesda	06	1715EST			0	0			Hail(1.00)
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Quarter sized hail fell.

Montgomery County

Countywide	06	1715EST 1740EST			0	0	30K		Thunderstorm Wind (EG50)
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Trees and power lines were downed. Buildings and cars were damaged.



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MARYLAND, Central

Frederick County									
Countywide	06	1910EST 1930EST			0	0	5K		Thunderstorm Wind (EG50)
Several trees were downed.									
Frederick County									
Brunswick	06	2005EST			0	0	2K		Thunderstorm Wind (EG50)
Several trees were downed.									
Carroll County									
Union Mills	06	2010EST			0	0	2K		Thunderstorm Wind (EG50)
Several trees were downed.									
Howard County									
West Friendship	06	2010EST			0	0	2K		Thunderstorm Wind (EG50)
Many trees were downed.									
Harford County									
Countywide	06	2020EST			0	0	5K		Thunderstorm Wind (EG50)
Numerous trees were downed.									
Harford County									
Fallston	06	2020EST			0	0	5K		Thunderstorm Wind (EG61)
A wind gust estimated at 70 MPH downed numerous trees in Glen Elyn.									
Baltimore County									
Countywide	06	2040EST			0	0	5K		Thunderstorm Wind (EG50)
Numerous trees were downed.									
Baltimore City (C)									
Baltimore	06	2040EST			0	0	5K		Thunderstorm Wind (EG50)
Numerous trees and power lines were downed.									
Anne Arundel County									
North Portion	06	2100EST			0	0	5K		Thunderstorm Wind (EG50)
Many trees were downed north of Annapolis.									

Thunderstorms with heavy downpours and wind gusts over 60 MPH moved through Central Maryland during the evening of the 6th. In Frederick County, trees were downed in Brunswick and Frederick. In Montgomery County, trees were downed on Wisconsin Avenue and the Beltway in Bethesda. Several trees were also downed in Woodsboro, Wheaton, Kensington, Forest Glen, and Silver Spring, some onto cars and buildings. Pea sized hail was also reported in Silver Spring and Forest Glen. Quarter size hail fell in Bethesda. A wind gust of 44 MPH was recorded in Clarksburg. A total of 2 inches of rainfall in Damascus caused small stream flooding. In Howard County, many trees were downed in West Friendship. A wind gust of 44 MPH was recorded in Laurel. In Anne Arundel County, several trees were downed north of Annapolis, including in the community of Brooklyn Park. In Carroll County, several trees were downed in Union Mills. In Baltimore County, widespread trees and power lines were downed in Baltimore. The hardest hit area was in the north side of town. Trees were also downed in Cockeysville and Hunt Valley. A wind gust of 43 MPH was recorded in Parkton. In Harford County, a downburst of winds estimated around 70 MPH downed numerous trees near Fallston in the community of Glen Elyn. The downburst struck Gunpowder Falls State Park west of Moores Road first, downing 30 to 40 trees up to 3 feet in diameter. Then the winds fanned out across a residential area and downed a few additional trees.

Prince George'S County									
South Portion	07	1600EST			0	0	10K		Thunderstorm Wind (EG50)
Numerous trees were downed and Hyde Field in Clinton reported damage.									
St. Mary'S County									
Hollywood	07	1715EST			0	0	0.50K		Thunderstorm Wind (EG50)
A tree was downed.									



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MARYLAND, Central

Thunderstorms with high winds moved through Prince George's and St. Mary's County during the afternoon of the 7th. In Prince George's County, a downburst of wind ripped the roof and one wall off a hangar at Hyde Field in Clinton. Three single engine planes were also damaged at the airport, including one which was flipped over. In addition, numerous trees were downed across the southern half of the county. In St. Mary's County, a tree was downed in Hollywood

Allegany County

Cumberland	08	2048EST					1K		Thunderstorm Wind (EG50)
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Trees were downed.

A thunderstorm with high winds downed trees in Cumberland during the evening of the 8th.

Montgomery County

Bethesda to Wheaton	09	1605EST					2K		Thunderstorm Wind (EG50)
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Trees were downed.

Prince George'S County

Lanham	09	1624EST					2K		Thunderstorm Wind (EG50)
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Trees and wires were downed near Lanham Hills.

Anne Arundel County

Northeast Portion	09	1630EST							Heavy Rain
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Anne Arundel County

Rivera Beach	09	1645EST					2K		Thunderstorm Wind (EG50)
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Trees and power lines were downed. The time was estimated.

A cluster of thunderstorms with high winds and heavy downpours moved through Central Maryland during the early evening of the 9th. In Montgomery County, trees were downed in Bethesda and Wheaton. In Prince George's County, trees and wires were downed near Lanham Hills. In Anne Arundel County, 3.09 inches of rain was recorded in Rivera Beach. Trees and power lines were downed nearby.

Charles County

Nanjemoy	10	1930EST					1K		Thunderstorm Wind (EG50)
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Trees were downed.

St. Mary'S County

Mechanicsville	10	2120EST					2K		Thunderstorm Wind (EG50)
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A tree was downed onto a house.

Montgomery County

Rockville	10	2330EST							Lightning
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A home caught fire after being struck by lightning. The time was estimated.

Anne Arundel County

Arnold	11	0030EST					5K		Thunderstorm Wind (EG50)
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Six trees were downed. A carport and a patio were damaged.

Thunderstorms with high winds and frequent lightning moved through Central Maryland between 8 PM on the 10th and 2 AM on the 11th. In Charles County, trees were downed near Nanjemoy. In St. Mary's County, a tree was downed onto a house in Mechanicsville. In Anne Arundel County, six trees were downed at a residence on Windsong Drive in Arnold. One tree landed on a carport, and another fell onto the roof of a patio. In Montgomery County, a home was damaged by a lightning-related fire

Frederick County

Countywide	12	1640EST 1710EST					5K		Thunderstorm Wind (EG50)
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Trees were downed in Libertytown, Wolfsville, and Myersville.

Frederick County

Walkersville	12	1700EST							Lightning
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A mother and child inside a barn were injured by a lightning strike. The time was estimated



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MARYLAND, Central

Carroll County

Finksburg	12	1730EST			0	0	2K		Thunderstorm Wind (EG50)
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Trees and power lines were downed.

Baltimore County

North Portion	12	1745EST 1800EST			0	0	8K		Thunderstorm Wind (EG50)
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Many trees and power lines were downed.

Harford County

East Portion	12	1810EST 1820EST			0	0	5K		Thunderstorm Wind (EG50)
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Several trees and power lines were downed.

Thunderstorms with frequent lightning and high winds moved through North Central Maryland during the evening of the 12th. In Frederick County, lightning struck a barn near Walkersville. A mother in her 30s and her daughter, age 11, inside the barn were knocked down by the bolt which apparently traveled inside the building along metal structure supports. They were taken to a local hospital for observation and were released a short time later. In addition, high winds downed trees in Libertytown, Wolfsville, and Meyersville. Marble sized hail was reported in Mt. Airy. In Carroll County, trees and power lines were downed in Finksburg. In Baltimore County, several trees and power lines were downed across the central and northern portion of the county. In Harford County, widespread tree and power line damage was reported across the eastern portion of the county. The hardest hit areas included Churchville and near the Conowingo Dam.

Prince George'S County

Bowie	18	1440EST			0	0	2K		Thunderstorm Wind (EG50)
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Several trees were downed in the south part of town.

Calvert County

Huntingtown	18	1555EST			0	0	2K		Thunderstorm Wind (EG50)
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Trees and wires were downed.

Isolated thunderstorms with high wind and hail moved through South Central Maryland during the afternoon of the 18th. In Calvert County, trees and wires were downed in Huntingtown. Pea sized hail was also reported. In Prince George's County, several trees were downed in the Tall Oaks and Pointer Ridge communities of southern Bowie. Pea to marble sized hail also fell in Bowie.

Washington County

East Portion	21	1810EST 1825EST			0	0	2K		Thunderstorm Wind (EG50)
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Tree damage was reported from Williamsport to the Pennsylvania state line.

Washington County

2 NE Smithsburg	21	1815EST			0	0			Thunderstorm Wind (MG53)
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A wind gust of 61 MPH was recorded.

A thunderstorm with high winds moved through Washington County during the evening of the 21st. A wind gust of 61 MPH was recorded just northeast of Smithsburg and a gust of 47 MPH was recorded at the Hagerstown airport. Tree damage was reported from Williamsport to the Pennsylvania state line.

St. Mary'S County

Drayden	22	1535EST			0	0	1K		Thunderstorm Wind (EG50)
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Telephone poles were downed onto Drayden Road.

Carroll County

Countywide	22	1700EST 1715EST			0	0	2K		Thunderstorm Wind (EG50)
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Trees were downed.



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MARYLAND, Central

Carroll County									
Countywide	22	1800EST 2300EST			0	0			Heavy Rain
Frederick County									
Southeast Portion	22	1800EST 2300EST			0	0			Heavy Rain
Howard County									
Countywide	22	1800EST 2300EST			0	0			Heavy Rain
Prince George'S County									
North Portion	22	1800EST 2300EST			0	0			Heavy Rain
Frederick County									
Countywide	22	1820EST			0	0	2K		Thunderstorm Wind (EG50)
Trees were downed in Woodsboro and Walkerville.									
Carroll County									
West Portion	22	1824EST 1845EST			0	0	1K		Thunderstorm Wind (EG50)
Scattered trees were downed.									
Montgomery County									
Bethesda	22	1900EST			0	0	1K		Thunderstorm Wind (EG50)
Trees were downed onto the Beltway at the intersection of Interstate 270 and Route 355.									
Montgomery County									
East Portion	22	2215EST 2330EST			0	0			Flash Flood
Roads were flooded.									

Thunderstorms with high winds and very heavy downpours moved through Central and Southern Maryland during the afternoon and evening on the 22nd. In St. Mary's County, a telephone pole and wires were downed onto Drayden Road in Draden. In Prince George's County, 2.34 inches of rain was recorded in Laurel. In Howard County, up to 2.7 inches was recorded in the southeast portion of the county. In Montgomery County, Beech Drive and other roads were closed by flooded in the eastern portion of the county. A tree was downed onto the Beltway near the intersection of Interstate 270 and Route 355. Rainfall totals included 2.75 inches in Silver Spring and 2.09 inches in Bethesda. In Frederick County, trees were downed in Woodsboro and Walkerville. A total of 1.7 inches of rain fell in 20 minutes in Frederick. In Carroll County, trees were downed between Union Bridge, New Windsor, and scattered locations across the western portion of the county. A tree was downed onto a house in Detour. Rainfall totals included 2.99 inches in Manchester and 2.34 inches in Millers.

Washington County

Hancock	23	2045EST			0	0	50K		Lightning
Lightning started a fire which severely damaged a home.									
Lightning struck a home on Exline Road near Hancock on the evening of the 23rd. The resulting roof fire caused \$50,000 damage to the structure.									

VIRGINIA, North

Charlottesville (C)									
Countywide	03	0000EST 0500EST			0	0			Heavy Rain
Madison County									
Countywide	03	0000EST 0500EST			0	0			Heavy Rain



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VIRGINIA, North

Page County

Countywide	03	0000EST 0500EST			0	0			Heavy Rain
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Rappahannock County

Countywide	03	0000EST 0500EST			0	0			Heavy Rain
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Albemarle County

South Portion	03	0335EST 0435EST			0	0			Flash Flood
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Four roads were closed by flooding.

The remnants of Tropical Storm Bill moved through the region on the 2nd and 3rd. Up to 4.5 inches of rainfall caused flooding in a few locations near the Blue Ridge Mountains. In Albemarle County, four roads were closed by flooding just south of Charlottesville. A mudslide closed Route 53 near Simeon. A total of 5 inches was recorded in Charlottesville. In Madison County, 2.3 inches was recorded in Madison. In Page County, 2.9 inches fell in Big Meadows. In Rappahannock County, 2.6 inches was recorded in Mathews Arm.

Nelson County

Countywide	06	1440EST 1540EST			0	0			Flash Flood
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A small landslide blocked Route 151 near Bryant.

A thunderstorm with heavy rainfall moved over Nelson County during the afternoon of the 6th. As a result of saturated soil, a small landslide blocked Route 151 near Bryant.

Loudoun County

Lovettsville	06	1920EST			0	0	2K		Thunderstorm Wind (EG50)
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Several trees were downed.

Warren County

5 S Front Royal	06	1955EST			0	0	1K		Thunderstorm Wind (EG50)
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Trees were downed onto Browntown Road.

Thunderstorms with strong gusty winds moved through Northern Virginia during the evening of the 6th. In Loudoun County, several trees were downed in Lovettsville. Pea sized hail also fell. Branches were downed along Route 15 from the Point of Rocks bridge to 2 miles south of the bridge. In Warren County, trees were downed onto Browntown Road 5 miles south of Front Royal.

Spotsylvania County

1 N Belmont	07	1655EST			0	0	1K		Thunderstorm Wind (EG50)
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Trees were downed onto Lawyers Road.

A thunderstorm with high winds moved through Spotsylvania County on the 7th. Trees were downed just north of Belmont on Lawyers Road.

Winchester (C)

Winchester	09	1234EST			0	0	1K		Thunderstorm Wind (EG50)
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Trees and power lines were downed in the north portion of the city.

Clarke County

3 E Berryville	09	1320EST			0	0	1K		Thunderstorm Wind (EG50)
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Trees were downed onto Route 606 and Route 340.

Loudoun County

Round Hill to 3 S Leesburg	09	1320EST 1340EST	10	100	0	0			Tornado (F1)
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A tornado downed trees and caused minor damage to homes along its path.

Loudoun County

Purcellville	09	1325EST			0	0			Hail(1.00)
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Quarter sized hail was reported.



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					Killed	Injured	Property	Crops	
<u>VIRGINIA, North</u>									
Loudoun County									
Ashburn	09	1345EST 1346EST	0.5	75	0	0			Tornado (F0)
A short lived tornado uprooted trees near Ashburn Farms.									
Rockingham County									
Broadway	09	1350EST			0	0	1K		Thunderstorm Wind (EG50)
Trees were downed.									
Augusta County									
Countywide	09	1400EST			0	0	10K		Thunderstorm Wind (EG50)
Numerous trees were downed.									
Shenandoah County									
Edinburg	09	1400EST			0	0	1K		Thunderstorm Wind (EG50)
Trees and power lines were downed.									
Shenandoah County									
2 E Woodstock	09	1400EST			0	0	0.50K		Thunderstorm Wind (EG50)
A few trees were downed in the Seven Bends area.									
Fairfax County									
3 N Chantilly	09	1415EST			0	0	5K		Thunderstorm Wind (EG50)
Trees and wires were downed and a home was damaged.									
Frederick County									
Cedar Grove	09	1415EST			0	0	1K		Thunderstorm Wind (EG50)
Trees were downed onto Cedar Grove Road and Warm Springs Road.									
Fairfax (C)									
Fairfax	09	1430EST			0	0	0.50K		Thunderstorm Wind (EG50)
Trees were downed onto Prince William Road. The time was estimated.									
Nelson County									
North Portion	09	1440EST			0	0	0.50K		Thunderstorm Wind (EG50)
A few trees were downed in the northern portion of the county.									
Loudoun County									
Round Hill to Purcellville	09	1500EST			0	0	5K		Thunderstorm Wind (EG50)
Several trees were downed.									
Fauquier County									
Delaplane	09	1506EST			0	0	0.50K		Thunderstorm Wind (EG50)
A tree was downed onto a road.									
Prince William County									
Haymarket	09	1520EST			0	0	1K		Thunderstorm Wind (EG50)
Trees and wires were downed.									
Manassas (C)									
Manassas	09	1535EST			0	0	0.50K		Thunderstorm Wind (EG50)
A tree was downed at the intersection of Lucasville Road and Hastings Drive									
Fairfax County									
1 W Burke	09	1540EST			0	0	1K		Thunderstorm Wind (EG50)
Trees were downed onto Braddock and Rolling roads.									
Fairfax County									
Lake Barcroft	09	1550EST			0	0	0.50K		Thunderstorm Wind (EG50)
A tree was downed.									
Falls Church (C)									
Falls Church	09	1550EST			0	0	1K		Thunderstorm Wind (EG50)
Trees were downed.									



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VIRGINIA, North

Arlington County

Countywide	09	1555EST			0	0	5K		Thunderstorm Wind (EG50)
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Many trees were downed.

Alexandria (C)

Alexandria	09	1602EST			0	0			Thunderstorm Wind (MG55)
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A wind gust of 63 MPH was recorded.

Thunderstorms with high winds, hail, and isolated tornadoes moved through Northern and Central Virginia during the afternoon and early evening hours of the 9th. In Nelson County, a few trees were downed in the northern end of the county near Wintergreen. In Albemarle County, a tree was downed near Afton. In Augusta County, numerous trees were downed including some which fell in Stuarts Draft. In Rockingham County, trees were downed in Broadway. A tree was also downed onto Springs Road. In Shenandoah County, trees and power lines were downed in Edinburg. A few trees were also downed in the Seven Bends area just east of Woodstock. In Frederick County, trees and power lines were downed two miles north of Winchester. Trees were also downed onto Route 568 (Cedar Grove Road) and Warm Springs Road near Cedar Grove. In Clarke County, trees were downed onto Route 606 and Route 340 three miles east of Berryville.

In Loudoun County, two tornadoes touched down from the same thunderstorm. The first tornado was the strongest and longest lasting. It was ranked as an F1 and was on the ground for 10 miles. It first touched down near Round Hill and lifted just before reaching Highway 15 about 3 miles south of Leesburg. The tornado was up to 100 yards wide and was estimated to have produced winds up to 90 MPH. On Main Street in Round Hill a tree was downed onto a house. A home under construction was also damaged. Several other trees were downed onto roads on the south side of town, including at the intersection of Airmont Road (Route 719) and Yatton Road, North Bridge Street, and the intersection of East Loudoun Street and New Cut Road. Widespread tree damage was also reported near the water treatment plant southeast of town. The next area of tree damage was reported near the intersection of Lincoln Road and Hughesville Road just south of Lincoln. One tree was downed onto a van. The last area where tree damage was observed was just west of Route 15 about 3 miles south of Leesburg. The first tornado lifted there and a few minutes later the same storm dropped a second tornado near Ashburn. The F0 tornado touched down briefly near Ashburn Farms with winds estimated around 70 MPH. It was on the ground for one half mile and the light tree damage path from the twister was about 75 yards wide. A few trees were uprooted or snapped along the path and one of the trees fell onto a home. In Purcellville, the storm that produced the tornado in Round Hill dropped quarter sized hail. The storm also produced high winds south of the tornado track. Snickerville Turnpike was closed by downed trees. A wind gust of 46 MPH was recorded at Dulles Airport where a funnel cloud was also spotted.

In Fauquier County, a tree was downed onto a road near Delaplane. In Prince William County, trees and wires were downed near Haymarket. Trees were also downed at the intersection of Lucasville Road and Hastings Drive in Manassas. In Fairfax County, the storm that dropped a tornado near Ashburn produced high winds as it moved through the Chantilly area. Three miles north of Chantilly, a few trees were downed in the Franklin Farms area, including one which fell onto a home. Wind gusts in the vicinity included 46 MPH in Reston and 43 MPH in Chantilly. Another thunderstorm also downed trees across the central and eastern portion of the county. A tree was downed near Lake Barcroft. Trees were also downed at the intersection of Braddock and Rolling roads a mile west of Burke. In Fairfax, trees were downed onto Prince William Road. In Falls Church, trees were downed. In Arlington County, many trees were downed. In Alexandria, a wind gust of 63 MPH was recorded at the campus of Northern Virginia Community College.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

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

Augusta County

Fishersville	10	0630EST			0	0			Hail(0.75)
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Penny sized hail fell.

Charlottesville (C)

Charlottesville	10	0650EST			0	0			Hail(0.75)
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Penny sized hail was reported on the southeast side of town.

Charlottesville (C)

Charlottesville	10	0650EST			0	0			Thunderstorm Wind (EG50)
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Scattered tree damage was reported along Route 20.

Nelson County

Lovingston	10	0655EST			0	0			Thunderstorm Wind (EG50)
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Trees were downed.

Albemarle County

Covesville	10	0700EST			0	0			Thunderstorm Wind (EG50)
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Trees were downed.

Scattered thunderstorms with large hail and high winds moved across Augusta, Nelson, and Albemarle counties between 6:30 and 8:30 AM on the 10th. In Augusta County, penny sized hail was reported near the Fishersville exit off Interstate 64. Pea sized hail fell in Staunton. In Nelson County, trees were downed in Lovingston. In Albemarle County, high winds downed trees in Covesville. Penny sized hail was reported on the southeast side of Charlottesville. Scattered tree damage was also reported in Charlottesville along Route 20.

Culpeper County

Reva to 3 N Culpeper	10	1751EST 1809EST	7	40	0	0			Tornado (F0)
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A tornado touched down in Reva and left intermittent tree damage until it lifted just north of Culpeper

Culpeper County

Countywide	10	1800EST 1900EST			0	0			Heavy Rain
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Three inches of rain fell near Culpeper.

Orange County

Northeast Portion	10	1800EST 1900EST			0	0			Flash Flood
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Routes 614, 601, and 608 were flooded by small streams near Lake of the Woods.

Spotsylvania County

Countywide	10	1810EST 1820EST			0	0			Lightning
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Lightning strikes started several fires and downed a power line.

Culpeper County

Elkwood	10	1820EST			0	0			Funnel Cloud
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A sheriff saw a funnel cloud near the Culpeper Airport.

Spotsylvania County

Chancellorsville	10	1820EST			0	0	1K		Thunderstorm Wind (EG50)
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Trees were downed.

Fredericksburg (C)

Fredericksburg	10	1830EST 1930EST			0	0			Flash Flood
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Cowan Boulevard was closed by flooding.

Fredericksburg (C)

Fredericksburg	10	1830EST			0	0			Lightning
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A lightning strike damaged a road and two homes.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>VIRGINIA, North</u>									
Stafford County									
Falmouth	10	1835EST			0	0			Lightning
A car was struck by lightning on Butler Road. The two occupants were unharmed.									
Stafford County									
3 SW White Oak to 2 E White Oak	10	1842EST 1855EST	5	50	0	0			Tornado (F0)
A weak tornado damaged trees between Route 3 and the King George County line.									
King George County									
4 W Fairview Beach to Fairview Beach	10	1900EST 1915EST	4	50	0	0			Tornado (F1)
A tornado downed trees onto 9 homes in Fairview Beach.									
Stafford County									
Countywide	10	1900EST 2000EST			0	0			Flash Flood
Several roads were flooded, including southbound Interstate 95.									
Fauquier County									
Countywide	10	1910EST 2010EST			0	0			Flash Flood
Roads were flooded and some were washed out.									
King George County									
King George	10	1915EST			0	0			Lightning
Lightning struck the dispatch center and knocked out equipment.									
King George County									
2 NE King George to King George	10	1915EST			0	0	5K		Thunderstorm Wind (EG50)
Several trees were downed between Arnolds Corner and King George.									
King George County									
2 W Berthaville	10	1930EST	0.1	40	0	0			Tornado (F0)
A weak tornado briefly touched down near Hampstead.									
Fauquier County									
Warrenton	10	1945EST			0	0			Hail(0.88)
Nickel sized hail fell.									
Manassas (C)									
Manassas	10	2045EST			0	0			Hail(0.88)
Nickel sized hail fell.									
Manassas (C)									
Manassas	10	2045EST			0	0	0.50K		Thunderstorm Wind (EG50)
Trees were downed.									
Fairfax County									
Centreville	10	2055EST			0	0	0.50K		Thunderstorm Wind (EG50)
A few trees were downed across Compton Road.									
Fairfax County									
Springfield to Annandale	10	2115EST			0	0	5K		Thunderstorm Wind (EG50)
Trees and power lines were downed between Springfield and Annandale.									
Fauquier County									
6 E Warrenton	10	2115EST			0	0	0.50K		Thunderstorm Wind (EG50)
A tree was downed across Route 603.									
Fairfax County									
Countywide	10	2300EST 2359EST			0	0			Flash Flood
Some secondary roads were closed by high water.									



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

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

Arlington County

Arlington

10 2330EST 0 0 0.50K Thunderstorm Wind (EG50)

A few trees were downed.

Thunderstorms with high winds, very frequent lightning, hail, heavy downpours, and isolated tornadoes moved through Northeast Virginia during the evening of the 10th. In Orange County, small stream flooding was reported along routes 614, 601, and 608 in the northeast portion of the county near Lake of the Woods. In Culpeper County, an F0 tornado touched down near Riva. The tornado pushed northeast and left an intermittent path of tree damage until it lifted near Route 229 about 3 miles north of Culpeper. The tornado was on the ground for 7 miles and was estimated to be about 40 yards wide. The storm also produced a funnel cloud as it passed near the Culpeper Regional Airport just north of Elkwood. Up to 3 inches of rain caused minor flooding across a portion of the county. In Fauquier County, penny sized hail fell in Warrenton. A tree was downed onto Route 603 east of Warrenton. Roads were flooded and a few were washed out in Remington and Bealeton. In Prince William County, trees were downed and nickel sized hail fell in Manassas. Pea sized hail fell in Manassas Park. In Fairfax County, up to 2.5 inches of rainfall caused secondary roads to flood. Small hail fell in Falls Church and McLean. Trees and power lines were downed between Annandale and Springfield, including one tree which fell onto Hooes Road. A few trees were downed onto Compton Road in Centreville. In Arlington County, a few trees were downed in North Arlington.

In Stafford County, an F0 tornado touched down about 5 miles southeast of Falmouth near Route 3. The tornado moved northeast and damaged trees until it lifted near Route 218 on the King George County line. The tornado was about 50 yards wide and was on the ground for 5 miles. In Falmouth, lightning struck a car on Butler Road. Two people inside the vehicle were unharmed. A portion of southbound interstate 95 was flooded by heavy downpours. High water was also reported on Harrell Road, at the intersection of Deacon and Synan roads, and on Route 218 near White Oak. In Spotsylvania County, trees were downed in Chancellorsville. In Fourmile Fork, lightning downed a power pole onto a car lot. One car was set on fire. In addition, a townhouse at the intersection of Fall Hill Avenue and River Road was set ablaze by lightning. In Fredericksburg, an apartment building was struck by lightning. Also, two homes in Normandy Village on Woodford Street caught fire after being hit by lightning. Lightning also damaged asphalt on William Street at Sunken Road. Cowan Boulevard was closed by flooding. In King George County, two tornado tracks were found. The first tornado, and F1, touched down near Route 600 where it crosses the Stafford County line. It stayed on the ground until it hit Fairview Beach, 4 miles to the east. Trees were downed during the rural portion of its track. However, moderate damage was done in Fairview Beach when the twister downed large trees onto 7 trailer homes and 2 houses. Six structures were condemned. The hardest hit areas included Botts Lane in the Fairview Beach Trailer Park and First Street. A second tornado touched down briefly near Hampstead. The weak F0 twister stayed on the ground only 1/10 of a mile. It downed a few trees along its short 50 yard wide path. In addition, high winds from the thunderstorm downed trees and power lines between Arnolds Corner and King George. The dispatch center in King George was also hit by lightning.

Shenandoah County

Edinburg

12 1330EST 0 0 5K Thunderstorm Wind (EG50)

Trees and wires were downed. A brick wall collapsed.

Winchester (C)

1 N Winchester

12 1720EST 0 0 1K Thunderstorm Wind (EG50)

Trees were downed onto Bryarly and Gun Club roads

Clarke County

Berryville

12 1745EST 0 0 2K Thunderstorm Wind (EG50)

Trees and power lines were downed.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

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

Thunderstorms with high winds and frequent lightning moved through extreme northwest Virginia during the late afternoon and evening of the 12th. In Frederick County, trees were downed onto Bryarly and Gun Club roads just north of Winchester. In Clarke County, trees and power lines were downed in Berryville. In Shenandoah County, high winds blew over or snapped trees in the Forest View area north of Edinburg. The damage was centered around Forest View Road and Ridge. The Aileen Plant which had lost its roof in a February snowstorm lost a brick wall during this windstorm.

Highland County

2 E Hightown

14	1659EST				0	0			Hail(0.75)
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Penny sized hail was reported.

Augusta County

Deerfield

14	1900EST				0	0	1K		Thunderstorm Wind (EG50)
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Trees were downed onto roads.

Augusta County

Southwest Portion

14	1900EST 2000EST				0	0			Flash Flood
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Several roads were flooded.

Thunderstorms with hail, high winds, and heavy downpours moved through Highland and Augusta counties on the evening of the 14th. In Highland County, penny sized hail fell 2 miles east of Hightown. In Augusta County, trees were downed onto Route 600 and Route 629 near Deerfield. In addition, heavy downpours flooded roads in Deerfield and water poured into the local firehouse.

Greene County

Ruckersville

21	1430EST				0	0			Thunderstorm Wind (EG50)
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A tree was downed onto Route 633. The time was estimated.

A thunderstorm with high winds moved through Greene County during the afternoon of the 21st. A tree was downed onto Route 633 in Ruckersville.

Fairfax County

West Portion

22	2120EST 2350EST				0	0			Flash Flood
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Several roads were flooded.

Alexandria (C)

Alexandria

22	2130EST				0	0	0.50K		Thunderstorm Wind (EG50)
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Two trees were downed. The time was estimated.

Arlington County

Arlington

22	2130EST 2330EST				1	1			Flash Flood
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A 22-year-old man died after being washed away by Fourmile Run flood waters. Another man was washed downstream but survived. Several roads were flooded. M22OU

Fairfax (C)

Fairfax

22	2130EST 2330EST				0	0			Flash Flood
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Lee Highway was flooded.

Falls Church (C)

Falls Church

22	2130EST 2330EST				0	0			Flash Flood
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Roads were flooded and storm drains overflowed.

Thunderstorms with very heavy rainfall and high winds moved through the Virginia suburbs of Washington D.C. during the evening of the 22nd. In Fairfax County, the intersection of Chain Bridge Road and Lee Highway was flooded in Fairfax. Roads were also flooded in Vienna, Herndon, and Centreville. A large tree branch punctured the roof of a home on Barkley Drive just south of Vienna. Areas in a 10 mile wide band from Centreville to McLean recorded rainfall amounts between 2.5 and 3.4 inches. An



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

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

incredible 3.34 inches of rain was recorded in 55 minutes in Centreville. A total of 2.89 inches was recorded in Vienna. In Arlington County, Four Mile Run overflowed its banks and swept two 22-year-old men off a concrete footbridge near the 800 block of South Arlington Mill Drive. The creek normally runs about 4 feet below the footbridge but the storm's runoff pushed it 6 feet above normal. One of the men was able to grab a branch and some rocks after being washed 1/4 mile downstream and pulled himself to safety with only minor injuries. The other man drowned. The George Washington Parkway and Interstate 395 were also flooded. Several vehicles were caught in floodwaters under the Memorial Bridge. In Falls Church, Broad Street and Route 7 were flooded. Manhole covers and storm drains were also overflowing across the city. In Alexandria, two trees were downed by gusty winds.

Orange County

East Portion	28	1650EST 1655EST			0	0	5K		Thunderstorm Wind (EG50)
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Several trees were downed, some onto roads.

Spotsylvania County

West Portion	28	1655EST 1710EST			0	0	5K		Thunderstorm Wind (EG50)
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Numerous trees were downed.

A thunderstorm with high winds moved through Orange and Spotsylvania counties during the evening of the 28th. In Orange County, trees were downed on Route 20 between Orange and Lake of the Woods. Trees also blocked routes 619, 621, and 698 in the eastern portion of the county. In Spotsylvania County, numerous trees were downed across the western portion of the county.

WEST VIRGINIA, East

Jefferson County

Charles Town	04	1715EST			0	0	0.50K		Thunderstorm Wind (EG50)
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A tree was downed.

A thunderstorm with strong gusty winds downed a tree in Charles Town on the evening of the 4th.

Jefferson County

Countywide	06	1925EST			0	0	2K		Thunderstorm Wind (EG50)
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Trees were downed onto Route 340 and Route 9.

A thunderstorm with high winds moved through Jefferson County on the evening of the 6th. Trees were downed onto Route 340 and Route 9 near Charles Town.

Hardy County

Moorefield	08	0600EST 0700EST			0	0			Flash Flood
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Street flooding was reported.

Grant County

Petersburg	08	0645EST 0745EST			0	0			Flash Flood
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Street and culvert flooding was reported.

Pendleton County

Brushy Run	08	0730EST 0830EST			0	0			Flash Flood
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Route 220 North was flooded north of town.

Showers and thunderstorms with very heavy downpours moved through a portion of the Eastern Panhandle during the morning hours of the 8th. In Hardy County, street flooding was reported in Moorefield. A total of 2.0 inches of rain was reported at Elkhorn Rock. In Grant County, street and culvert flooding was reported in Petersburg. A total of 2.08 inches fell at Red Creek. In Pendleton County, Route 220 North was flooded just north of Brushy Run. Rainfall totals included 2.18 inches at Bennett Gap and 2.10 inches at Middle Mountain.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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WEST VIRGINIA, East

Mineral County

Wiley Ford	08	2124EST			0	0	0.50K		Thunderstorm Wind (EG50)
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A few trees were downed.

A thunderstorm with high winds downed a few trees in Wiley Ford in Mineral County on the evening of the 8th.

Jefferson County

Summit Pt to Rippon	09	1252EST 1300EST	4	75	0	0			Tornado (F0)
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A tornado damaged buildings and trees along its 4 mile path.

A thunderstorm that moved through during the early afternoon of the 9th produced an F0 tornado in southeast Jefferson County. The twister touched down near Summit Point and moved southeast on the ground for 4 miles before lifting near Rippon. Winds from the tornado estimated up to 70 MPH downed several trees and a handful of power lines along its path. Near Summit Point, an outbuilding was damaged. Siding was also removed from a house. Ten to twenty trees were downed onto Leetown Road about 1/2 mile south of Summit Point. Trees and power lines were also downed onto Darke Lane West near Rippon.

Mineral County

Keyser	12	1613EST			0	0	1K		Thunderstorm Wind (EG50)
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Trees were downed.

Hampshire County

Countywide	12	1700EST			0	0	3K		Thunderstorm Wind (EG50)
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Trees and power lines were downed in the northern and eastern portion of the county.

A thunderstorm with high winds moved east through Mineral and Hampshire counties during the evening of the 12th. In Mineral County, trees were downed in Keyser. In Hampshire County, several trees and power lines were downed in the northern and eastern portion of the county.

Pendleton County

Upper Track	14	1507EST			0	0			Hail(1.00)
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Quarter sized hail fell.

Grant County

1 N Petersburg	14	1545EST			0	0	1K		Thunderstorm Wind (EG50)
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Trees were downed.

Grant County

Countywide	14	1600EST			0	0			Hail(0.75)
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"Fingernail" sized hail damaged crops at Sites Hollow.

Grant County

Countywide	14	1600EST			0	0	2K		Thunderstorm Wind (EG50)
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Two trees and a storage shed were downed at Sites Hollow.

Hardy County

Fisher	14	1622EST			0	0			Hail(0.75)
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Penny sized hail fell.

Mineral County

Antioch	14	1715EST			0	0			Hail(0.75)
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Penny sized hail fell.

Mineral County

2 S Keyser	14	1734EST			0	0			Hail(0.75)
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Penny sized hail was reported.

Mineral County

New Creek	14	1735EST			0	0	1K		Thunderstorm Wind (EG50)
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Trees were downed.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

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

WEST VIRGINIA, East

Mineral County

Countywide

14	1800EST 1900EST				0	0			Flash Flood
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Flooding was reported in Burlington and New Creek. Route 50 was closed by high water.

Mineral County

Short Gap

14	1810EST				0	0			Hail(0.75)
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Penny sized hail fell.

Thunderstorms with hail, high winds, and very heavy downpours moved through the Eastern Panhandle during the afternoon and evening of the 14th. In Mineral County, penny sized hail fell just south of Keyser, in Antioch, and in Short Gap. Flooding was reported in the Burlington, Fountainhead, and New Creek areas. Route 50 was closed when New Creek washed debris onto the roadway near Route 972. Short Cut Road and 6 other secondary roads were also flooded. Downed trees also blocked Route 50. In Grant County, trees were downed just north of Petersburg. Penny sized hail ruined gardens in Sites Hollow. In addition, high winds downed two trees and a storage shed in Sites Hollow. In Hardy County, penny sized hail fell in Fisher. In Pendleton County, quarter sized hail shredded gardens in Upper Tract.