



# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

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

### DISTRICT OF COLUMBIA

NOT RECEIVED.

### MARYLAND, Central

<b>Montgomery County</b> <b>Potomac</b>	09	1720EST			0	0	10K		<b>Lightning</b>
House fire started by lightning									
<b>St. Mary'S County</b> <b>Hunterville</b>	09	1720EST			0	0			<b>Hail (1.00)</b>
<b>Calvert County</b> <b>4 N Buena Vista to Prince Frederick</b>	09	1730EST			0	0			<b>Hail (1.50)</b>
<b>Calvert County</b> <b>Island Creek to St Leonard</b>	09	1730EST			0	0			<b>Hail (1.25)</b>
<b>Calvert County</b> <b>Solomons to Bertha</b>	09	1730EST			0	0			<b>Hail (1.00)</b>
<b>St. Mary'S County</b> <b>Golden Beach</b>	09	1737EST			0	0			<b>Hail (1.25)</b>
<p>A strong cold front moved eastward across Central Maryland during the early evening. A line of showers and thunderstorms developed along and ahead of the system producing heavy downpours, frequent lightning, and gusty winds. A lightning strike sparked a tree fire in Charles County near Bel Alton around 5:50 PM EDT. A house in Montgomery County near Potomac caught on fire after being hit by lightning around 6:20 PM EDT. One thunderstorm that developed about 50 miles ahead of the cold front in South Central Maryland dropped large hail across St. Mary's and Calvert County between 6:00 PM and 6:45 PM EDT. Hail between 1 and 1 1/2 inch in diameter was reported in the communities of Bowens, Adelina, Port Republic, Mutual, and St. Leonard in Calvert County. The shower of large hail accumulated enough to cause travel problems on area roads. In St. Mary's County, dime to half dollar sized hail was reported in Golden Beach and quarter sized hail fell in Huntersville. In addition, winds gusted to 53 MPH in Tall Timbers at 7:29 PM EDT.</p>									
<b>Charles County</b> <b>Newport</b>	23	1530EST			0	0			<b>Hail (1.00)</b>
<b>Charles County</b> <b>5 S La Plata</b>	23	1537EST			0	0			<b>Hail (0.75)</b>
<b>St. Mary'S County</b> <b>Golden Beach</b>	23	1537EST			0	0			<b>Hail (1.00)</b>
<b>Calvert County</b> <b>Island Creek</b>	23	1540EST			0	0			<b>Hail (1.00)</b>
<b>Calvert County</b> <b>Prince Frederick</b>	23	1545EST			0	0			<b>Hail (1.50)</b>
<b>Charles County</b> <b>Bryans Road</b>	23	1600EST			0	0			<b>Hail (1.25)</b>
<b>Prince George'S County</b> <b>Accokeek</b>	23	1602EST			0	0			<b>Hail (0.75)</b>
<b>Charles County</b> <b>Waldorf</b>	23	1630EST			0	0			<b>Hail (0.75)</b>
<b>St. Mary'S County</b> <b>Golden Beach</b>	23	1635EST			0	0			<b>Hail (1.00)</b>
<b>St. Mary'S County</b> <b>Sandgates</b>	23	1635EST			0	0			<b>Hail (1.00)</b>





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### VIRGINIA, North

tornado travelled southeast about 3 1/2 miles and lifted just east of Mastins Corner around 6:23 PM EDT. The average path width was about 100 yards. Much of the damage was rated F0 for 40 to 70 mph winds, but some locations received 70 to 90 mph winds and F1 damage. The F1 damage occurred around 2 miles east of Paytes through a densely wooded area where numerous large trees, both pines and hardwoods, were uprooted or snapped. The hardwoods did not have leaves at the time, so a stronger wind was required to damage them. Eight homes along the path of the tornado sustained minor damage, and seven sheds were damaged or destroyed. Most of the structural damage occurred in a residential community 1 mile northeast of Paytes. The same storm system was also responsible for downing trees and power lines as it passed through the Fredericksburg area. The storm hit Fredericksburg around 7:00 PM EDT and left about 5,000 customers without power.

<b>Frederick County</b> <b>Hayfield</b>	23	1440EST			0	0	50K		<b>Hail (1.75)</b>
<b>Frederick County</b> <b>1 W Winchester Arpt</b>	23	1445EST			0	0	1.5M		<b>Hail (1.75)</b>
<b>Frederick County</b> <b>5 NW Winchester Arpt</b>	23	1445EST			0	0	3K		<b>Thunderstorm Wind</b>
Narrow Path of Uprooted and Snapped Trees and Damage to Trim on Home									
<b>Frederick County</b> <b>Stephens City</b>	23	1446EST			0	0	50K		<b>Hail (1.75)</b>
<b>Winchester (C)</b> <b>Winchester</b>	23	1450EST			0	0	2.5M		<b>Hail (2.75)</b>
<b>Frederick County</b> <b>1 E Winchester Arpt</b>	23	1452EST			0	0	3M		<b>Hail (3.50)</b>
<b>Clarke County</b> <b>Berryville</b>	23	1454EST			0	0	1M		<b>Hail (1.75)</b>
<b>Clarke County</b> <b>Boyce</b>	23	1500EST			0	0	50K		<b>Hail (1.50)</b>
<b>Clarke County</b> <b>Boyce to 4 E Boyce</b>	23	1500EST 1505EST			0	0	50K		<b>Thunderstorm Wind</b>
Trees Snapped and Uprooted from Boyce to the Shenandoah River									
<b>Stafford County</b> <b>5 NW Stafford</b>	23	1500EST			0	0	1M		<b>Hail (1.75)</b>
<b>Clarke County</b> <b>4 SE Boyce</b>	23	1515EST			0	0	1M		<b>Hail (1.75)</b>
Hail Fell at Mt. Weather on the border of Clarke and Loudoun County									
<b>Fauquier County</b> <b>Upperville</b>	23	1520EST			0	0	1M		<b>Hail (1.50)</b>
Hail Size Estimated by Damage									
<b>Loudoun County</b> <b>Middleburg</b>	23	1520EST			0	0	2M		<b>Hail (2.75)</b>
<b>Loudoun County</b> <b>Aldie</b>	23	1522EST			0	0	2M		<b>Hail (1.50)</b>
Hail Size Estimated by Damage									
<b>Loudoun County</b> <b>2 S Arcola</b>	23	1525EST			0	0	3M		<b>Hail (1.75)</b>
Many Cars and Homes Damaged by Hail in South Riding Community									
<b>Prince William County</b> <b>9 N Haymarket</b>	23	1525EST			0	0	1M		<b>Hail (1.75)</b>
<b>Fairfax County</b> <b>Clifton</b>	23	1530EST			0	0	2M		<b>Hail (1.75)</b>



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### VIRGINIA, North

<b>Fairfax County</b>									
<b>Chantilly</b>	23	1533EST			0	0	2M		<b>Hail (1.25)</b>
<b>Manassas (C)</b>									
<b>Manassas</b>	23	1535EST			0	0	2M		<b>Hail (1.25)</b>
Hail Size Estimated by Damage									
<b>Prince William County</b>									
<b>Woodbridge</b>	23	1540EST			0	0	1M		<b>Hail (1.00)</b>
<b>Fairfax County</b>									
<b>Centreville</b>	23	1542EST			0	0	3M		<b>Hail (1.75)</b>
<b>Fairfax (C)</b>									
<b>Fairfax</b>	23	1543EST			0	0	2M		<b>Hail (1.00)</b>
<b>Fairfax County</b>									
<b>Springfield</b>	23	1545EST			0	0	1M		<b>Hail (1.75)</b>
<b>Fairfax County</b>									
<b>Clifton</b>	23	1547EST			0	0			<b>Funnel Cloud</b>
<b>Fairfax County</b>									
<b>Lorton</b>	23	1550EST			0	0	2M		<b>Hail (2.75)</b>
<b>Fairfax County</b>									
<b>Burke</b>	23	1555EST			0	0	3M		<b>Hail (1.25)</b>
<b>Fairfax County</b>									
<b>2 SW Springfield</b>	23	1600EST			0	0	1M		<b>Hail (2.50)</b>
<b>Fairfax County</b>									
<b>Ft Belvoir</b>	23	1602EST			0	0	1M		<b>Hail (1.25)</b>

A line of thunderstorms developed in West Virginia during the early afternoon and moved rapidly southeast across Northern Virginia. These storms produced very large hail in a 10 mile wide strip from Winchester in Frederick County to Woodbridge in Prince William County from 3:30 PM EDT to 5:00 PM EDT. Winds over 55 MPH also downed trees and power lines in Frederick and Clarke County between 3:30 PM EDT and 4:15 PM EDT. Frederick County spotters reported between 1 3/4 to 3 1/2 inch diameter hail. The rubber membrane roof of the War Memorial Building in Winchester was punctured by hail the size of golf balls, allowing heavy rain to fall inside the structure and cause significant water damage. Numerous cars were damaged by hail, averaging \$1300 in repairs. Winchester city police reported damage to 15 cruisers, and automobile dealers on Valley Avenue reported damage to over 150 cars. Hundreds of other privately owned vehicles received dents and broken windshields. Property owners also reported damage to roofs, siding, windows, and landscaping from the 10 minute deluge. Northwest of Winchester, strong winds left behind a narrow path of uprooted or snapped trees and minor trim damage to a home. Clarke County was the next location in the path of the storm. Hail of up to 1 3/4 inch in diameter tore leaves from trees, damaged siding and shingles on homes, and dented automobiles. Strong winds also snapped or uprooted between Beacon and the Shenandoah River. Next, Southern Loudoun County bore the brunt of the storm. Golfball to baseball sized hail broke store windows and damaged several vehicles in Middleburg. One resident reported the hail fell with such force it broke through fibreglass panels on a shed. Prince William County suffered damage from hail between 1 and 1 3/4 inch in diameter, resulting in damage to cars, roofs, and siding. Much of Western and Southern Fairfax County also received significant damage. Hail up to 2 3/4 inch in diameter was reported around Lorton. Hundreds of cars were dented, several windows and skylights were broken, trees and bushes were stripped of their leaves, siding and shutters were damaged, and roof shingles were chipped. Also, a funnel cloud was reported in Clifton near Highway 28 at 4:47 PM EDT. Damage across Northern Virginia from this storm system was expected to total around \$50 million.

<b>Highland County</b>									
<b>North Portion</b>	23	1600EST			0	0			<b>Hail (1.00)</b>
<b>Charlottesville (C)</b>									
<b>1 N Charlottesville</b>	23	1645EST			0	0			<b>Hail (1.00)</b>
<b>Charlottesville (C)</b>									
<b>Charlottesville</b>	23	1650EST			0	0	5K		<b>Thunderstorm Wind</b>

Trees Snapped and Power Lines Downed

A thunderstorm formed in East Central West Virginia and moved into Highland County. One half to one inch diameter hail fell across the northern part of the county around 5:00 PM EDT. The storm moved southeast across Northern Augusta County and into Albemarle County by early evening. In Albemarle County the storm produced winds in excess of 55 MPH and 1 inch diameter



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### VIRGINIA, North

hail. The wind snapped several trees and knocked down power lines near Charlottesville, leading to power outages for 4,200 customers.

### WEST VIRGINIA, East

#### Grant County

<b>Bayard</b>	<b>11</b>	<b>1352EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
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Moist air in place across the Eastern Panhandle in combination with warm temperatures led to the development of thunderstorms during the early afternoon. These thunderstorms produced heavy downpours, lightning, and gusty winds. One of the strongest thunderstorms moved across Grant County and produced one inch diameter hail in Bayard at 2:52 PM EDT.

#### Mineral County

<b>Keyser</b>	<b>23</b>	<b>1358EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.88)</b>
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#### Mineral County

<b>Headsville</b>	<b>23</b>	<b>1405EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
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#### Hampshire County

<b>Capon Bridge</b>	<b>23</b>	<b>1425EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.50)</b>
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#### Hampshire County

<b>Romney</b>	<b>23</b>	<b>1425EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.50)</b>
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#### Hampshire County

<b>Augusta</b>	<b>23</b>	<b>1430EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.25)</b>
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#### Hampshire County

<b>Augusta</b>	<b>23</b>	<b>1430EST</b>			<b>0</b>	<b>0</b>	<b>0.50K</b>		<b>Thunderstorm Wind</b>
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Tree Downed Across Route 50

#### Pendleton County

<b>Upper Track</b>	<b>23</b>	<b>1430EST</b>			<b>0</b>	<b>0</b>	<b>0.50K</b>		<b>Thunderstorm Wind</b>
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Tree Downed Across Reeds Creek Road

#### Hampshire County

<b>Capon Bridge</b>	<b>23</b>	<b>1435EST</b>			<b>0</b>	<b>0</b>			<b>Hail (2.75)</b>
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A severe thunderstorm developed in the Appalachian Mountains of North Central West Virginia during the early afternoon and moved rapidly eastward into the Eastern Panhandle. This supercell storm produced large hail in a 10 mile wide strip from Keyser in Mineral County to Capon Bridge in Hampshire County from 2:55 PM to 3:35 PM EDT. Near Romney, the hail broke off small limbs and pelted shrubs. In Hampshire County, winds over 55 MPH pushed a tree over onto U.S. Route 50 near Augusta and blew over an electric service pole near a mobile home. The wind also downed large branches and snapped trees near Hanging Rock. A separate thunderstorm with strong winds also downed trees on Reeds Creek Road near Upper Track in Pendleton County around 3:30 PM EDT.