Storm Data and Unusual Weather Phenomena

July 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
ATLANTIC OCEAN									
ANZ535	**Tidal Potomac Key Bridge To Indian Hd Md**								
Rnld Reagan Natl Arpt	**02**	**1627EST**			**0**	**0**			**Marine Tstm Wind (MG39)**
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
3 N Riviera Beach	**02**	**1630EST**			**0**	**0**			**Marine Tstm Wind (MG60)**
	Wind gust measured at the Baltimore Approaches Buoy.								
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
6 SW Tolchester Beach	**02**	**1712EST**			**0**	**0**			**Marine Tstm Wind (MG36)**
	Wind gust was measured at Sandy Point Station.								
ANZ532	**Chesapeake Bay Sandy Pt To N Beach Md**								
4 NE Annapolis to 6 E Annapolis	**02**	**1712EST 1735EST**			**0**	**0**			**Marine Tstm Wind (MG36)**
	Gusty winds were measured at Sandy Point, Annapolis Naval Air Station, and Kent Island.								
ANZ535	**Tidal Potomac Key Bridge To Indian Hd Md**								
Rnld Reagan Natl Arpt	**02**	**1718EST**			**0**	**0**			**Marine Hail (0.75)**
	Penny sized hail was reported.								
ANZ535	**Tidal Potomac Key Bridge To Indian Hd Md**								
Rnld Reagan Natl Arpt	**02**	**1718EST 1730EST**			**0**	**0**			**Marine Tstm Wind (MG46)**
ANZ533	**Chesapeake Bay N Beach To Drum Pt Md**								
Cove Pt	**02**	**1800EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ536	**Tidal Potomac Indian Hd To Cobb Is Md**								
Quantico	**02**	**2009EST**			**0**	**0**			**Marine Tstm Wind (EG50)**
ANZ535	**Tidal Potomac Key Bridge To Indian Hd Md**								
Woodbridge	**02**	**2009EST**			**0**	**0**			**Marine Tstm Wind (EG50)**
	A frontal boundary sagged south into the Mid Atlantic on July 2, and combined with very strong daytime heating and instability, contributed to scattered severe thunderstorm activity. The coastal waters of the Tidal Potomac and Chesapeake Bay experienced Special Marine Warning criteria winds, with a few reports of winds in excess of 50 knots. One report of large hail also occurred on the coastal waters.								
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Piney Pt	**04**	**1536EST**			**0**	**0**			**Marine Tstm Wind (MG42)**
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
3 N Riviera Beach	**04**	**1545EST**			**0**	**0**			**Marine Tstm Wind (EG35)**
	Gusty winds occurred at the Baltimore Approaches Buoy and at Sandy Point.								
ANZ536	**Tidal Potomac Indian Hd To Cobb Is Md**								
Quantico	**04**	**1614EST**			**0**	**0**			**Marine Tstm Wind (MG36)**
ANZ535	**Tidal Potomac Key Bridge To Indian Hd Md**								
Rnld Reagan Natl Arpt to Washington Dc	**04**	**1616EST 1638EST**			**0**	**0**			**Marine Tstm Wind (MG43)**
	Gusty winds occurred at Reagan National and Andrews Air Force Base.								
ANZ532	**Chesapeake Bay Sandy Pt To N Beach Md**								
Annapolis	**04**	**1625EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ533	**Chesapeake Bay N Beach To Drum Pt Md**								
Plum Pt to Chesapeake Beach	**04**	**1630EST 1755EST**			**0**	**0**			**Marine Tstm Wind (MG37)**
	Gusty winds occurred at Horn Point and the Mid Bay Buoy.								
ANZ532	**Chesapeake Bay Sandy Pt To N Beach Md**								
4 S Stevensville	**04**	**1651EST**			**0**	**0**			**Marine Tstm Wind (MG38)**
	Wind reported at Kent Island.								
ANZ535	**Tidal Potomac Key Bridge To Indian Hd Md**								
Woodbridge	**04**	**1701EST**			**0**	**0**			**Marine Tstm Wind (MG34)**
ANZ536	**Tidal Potomac Indian Hd To Cobb Is Md**								
Quantico	**04**	**1714EST**			**0**	**0**			**Marine Tstm Wind (MG36)**

Storm Data and Unusual Weather Phenomena

July 2006

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
ATLANTIC OCEAN									
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
St Marys City to Crisfield	**04**	**1800EST 1847EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
Smith Island	**04**	**2005EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Lewisetta	**04**	**2009EST**			**0**	**0**			**Marine Tstm Wind (MG39)**
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
Point Lookout	**04**	**2058EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ536	**Tidal Potomac Indian Hd To Cobb Is Md**								
Route 301 Bridge	**04**	**2155EST**			**0**	**0**			**Marine Tstm Wind (MG46)**
	Measured at Cuckold Creek Station								
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Piney Pt	**04**	**2218EST**			**0**	**0**			**Marine Tstm Wind (MG37)**
	Scattered severe thunderstorms developed on July 4 due to an approaching cold front and a very unstable airmass residing over the Mid-Atlantic. Winds reached above 35 knots on the coastal waters of the Maryland Chesapeake Bay and Tidal Potomac.								
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
Point Lookout to Smith Island	**05**	**1748EST 1805EST**			**0**	**0**			**Marine Tstm Wind (EG45)**
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Point Lookout	**05**	**1748EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
	After the severe storms of July 4th around the region, additional severe weather occurred on the 5th. There were numerous reports of flash flooding and wind damage from these storms as they moved through the Washington/Baltimore region.								
ANZ535	**Tidal Potomac Key Bridge To Indian Hd Md**								
Rnld Reagan Natl Arpt	**12**	**1500EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
2 N Riviera Beach	**12**	**1525EST**			**0**	**0**			**Marine Tstm Wind (MG38)**
	Measured gust at the Baltimore Approaches Buoy.								
ANZ532	**Chesapeake Bay Sandy Pt To N Beach Md**								
4 S Stevensville	**12**	**1628EST**			**0**	**0**			**Marine Tstm Wind (MG34)**
	Wind gust was measured at Kent Island.								
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
2 N Riviera Beach	**12**	**1755EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
	Wind gust measured at the Baltimore Approach Buoy.								
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Piney Pt	**12**	**1942EST**			**0**	**0**			**Marine Tstm Wind (MG39)**
ANZ533	**Chesapeake Bay N Beach To Drum Pt Md**								
Cove Pt	**12**	**1955EST**			**0**	**0**			**Marine Tstm Wind (MG36)**
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
Smith Pt to Crisfield	**12**	**2024EST**			**0**	**0**			**Marine Tstm Wind (EG41)**
	An upper level disturbance in conjunction with a moist and unstable summertime airmass contributed to severe thunderstorm activity on July 12. The hardest hit areas from the thunderstorms occurred in the western suburbs of Washington DC and the southern suburbs of Baltimore. Numerous special marine warning criteria wind gusts occurred on the coastal waters of the Tidal Potomac and Chesapeake Bay.								
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
2 N Riviera Beach	**15**	**1525EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ530	**Chesapeake Bay N Of Pooles Is Md**								
6 NW Pooles Island	**15**	**1602EST**			**0**	**0**			**Marine Tstm Wind (MG36)**
	Wind gust was measured at Gunpowder Station.								

Storm Data and Unusual Weather Phenomena

July 2006

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
ATLANTIC OCEAN									
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
2 N Riviera Beach	**15**	**1636EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ530	**Chesapeake Bay N Of Pooles Is Md**								
Spesutie Island	**18**	**1900EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
2 N Riviera Beach to Tolchester Beach	**18**	**1912EST 1955EST**			**0**	**0**			**Marine Tstm Wind (MG34)**
ANZ532	**Chesapeake Bay Sandy Pt To N Beach Md**								
5 SE Annapolis	**18**	**1948EST 2013EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
	Winds were estimated from data at Thomas Point Lighthouse.								
	An approaching cold front combined with a very hot and humid airmass to generate severe thunderstorms around much of the Mid Atlantic on July 18. Reports were received from the Eastern Panhandle of West Virginia, through the Washington/Baltimore corridor, to the Chesapeake Bay. The most intense of the severe storms occurred in the Berkeley Springs, WV area, where the most intense damages occurred, and a report of tennis-ball sized hall also occurred.								
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Lewisetta	**19**	**1712EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ535	**Tidal Potomac Key Bridge To Indian Hd Md**								
Woodbridge	**21**	**1440EST**			**0**	**0**			**Marine Tstm Wind (EG50)**
ANZ536	**Tidal Potomac Indian Hd To Cobb Is Md**								
Quantico	**21**	**1630EST**			**0**	**0**			**Marine Tstm Wind (EG50)**
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Piney Pt	**21**	**1754EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
Patuxent River Nas to Solomons Island	**21**	**1810EST 1850EST**			**0**	**0**			**Marine Tstm Wind (MG42)**
	Peak wind gust was measured at Solomons Island.								
ANZ533	**Chesapeake Bay N Beach To Drum Pt Md**								
Cove Pt	**21**	**1842EST**			**0**	**0**			**Marine Tstm Wind (MG38)**
	A trough of low pressure combined with strong instability and moisture to cause scattered severe thunderstorms to develop during the afternoon. Most of the activity occurred across the Northern Piedmont of North-Central Virginia.								
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Lewisetta	**22**	**1400EST 1418EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
Smith Island to Solomons Island	**22**	**1425EST 1525EST**			**0**	**0**			**Marine Tstm Wind (MG42)**
	Peak gust measured at Bishops Head.								
ANZ536	**Tidal Potomac Indian Hd To Cobb Is Md**								
Route 301 Bridge	**22**	**1426EST**			**0**	**0**			**Marine Tstm Wind (MG46)**
	Peak gust measured at Cuckold Creek.								
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
3 N Riviera Beach to Millers Island	**22**	**1855EST 1906EST**			**0**	**0**			**Marine Tstm Wind (MG39)**
	Peak gust was measured at the Baltimore Approaches Buoy.								
ANZ532	**Chesapeake Bay Sandy Pt To N Beach Md**								
Annapolis to 5 SE Annapolis	**22**	**1928EST 1936EST**			**0**	**0**			**Marine Tstm Wind (MG35)**
	Peak gust measured at the Annapolis Naval Air Station.								
ANZ533	**Chesapeake Bay N Beach To Drum Pt Md**								
Plum Pt to Cove Pt	**22**	**2125EST 2218EST**			**0**	**0**			**Marine Tstm Wind (MG34)**
	Peak gust measured at Horn Point.								

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
ATLANTIC OCEAN									
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Piney Pt	**22**	**2218EST**			**0**	**0**			**Marine Tstm Wind (MG39)**
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
Smith Island	**22**	**2302EST 2330EST**			**0**	**0**			**Marine Tstm Wind (MG35)**
	An unseasonably strong low pressure area moved from the Ohio Valley to the Mid Atlantic, and contributed to scattered strong thunderstorm development, in conjunction to a very hot and humid airmass. Strong winds on the Chesapeake Bay and Tidal Potomac River prompted Special Marine Warnings as winds gusted as high as 50 mph as the storms moved through.								
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
16 SE Patuxent River Na	**27**	**1753EST**			**0**	**0**			**Marine Tstm Wind (MG41)**
ANZ533	**Chesapeake Bay N Beach To Drum Pt Md**								
Cove Pt	**27**	**1806EST**			**0**	**0**			**Marine Tstm Wind (MG34)**
ANZ531	**Chesapeake Bay Pooles Is To Sandy Pt Md**								
10 W Riviera Beach to Tolchester Beach	**28**	**1306EST 1342EST**			**0**	**0**			**Marine Tstm Wind (MG41)**
	Peak wind gust measured at Thomas Point Lighthouse.								
ANZ530	**Chesapeake Bay N Of Pooles Is Md**								
6 NW Pooles Island	**28**	**1331EST**			**0**	**0**			**Marine Tstm Wind (EG34)**
ANZ536	**Tidal Potomac Indian Hd To Cobb Is Md**								
Quantico	**28**	**1332EST**			**0**	**0**			**Marine Tstm Wind (MG39)**
ANZ532	**Chesapeake Bay Sandy Pt To N Beach Md**								
5 SE Annapolis	**28**	**1348EST**			**0**	**0**			**Marine Tstm Wind (MG35)**
	Peak gust measured at Thomas Point Light.								
ANZ533	**Chesapeake Bay N Beach To Drum Pt Md**								
Cove Pt	**28**	**1442EST**			**0**	**0**			**Marine Tstm Wind (MG37)**
ANZ537	**Tidal Potomac Cobb Is Md To Smith Pt Va**								
Lewisetta	**28**	**1642EST 1648EST**			**0**	**0**			**Marine Tstm Wind (MG37)**
ANZ534	**Chesapeake Bay Drum Pt To Smith Pt Va**								
Smith Island to Crisfield	**28**	**1717EST 1723EST**			**0**	**0**			**Marine Tstm Wind (MG43)**
	Strong thunderstorms moved over the waters of the Tidal Potomac and Chesapeake Bay.								
DISTRICT OF COLUMBIA									
District Of Columbia									
Lincoln Memorial	**04**	**1615EST 1620EST**			**0**	**0**	**40K**		**Thunderstorm Wind (EG50)**
	Large elm trees and event tents blown down on the National Mall due to severe thunderstorms. Debris blowing around during the height of the storm. 8000 festival goers were successfully evacuated from the area during the National Folklife Festival, just before the 4th of July Fireworks Display. The National Weather Service staffed a coordination center with the National Park Service during this major event.								
District Of Columbia									
Southeast Portion	**04**	**1630EST**			**0**	**0**	**175K**		**Thunderstorm Wind (EG50)**
	A building collapsed in the Southeast District due severe thunderstorm winds.								
	A frontal boundary sagged south into the Mid Atlantic on July 2, and combined with very strong daytime heating and instability, contributed to scattered severe thunderstorm activity. Many locations throughout the metro area experienced wind damage from the severe thunderstorms. All of the damages were contributable to straight line winds. Newspaper reports indicated in excess of 100,000 customers without power in the Washington Metro Region.								
District Of Columbia									
Southeast Portion	**05**	**1430EST 1530EST**			**0**	**0**			**Flash Flood**
	South Capital and Martin Luther King Jr. Avenue flooded and impassable in the Southeast District.								
	After the severe storms of July 4th around the region, additional severe weather occurred on the 5th. There were numerous reports								

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

DISTRICT OF COLUMBIA

of flash flooding and wind damage from these storms as they moved through the Washington/Baltimore region.

DCZ001-001 **District Of Columbia**

17 1200EST
18 1600EST **0** **0** **Heat**

A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC. Two additional deaths, also in the Maryland suburbs, were indirectly attributed to this heat wave, since they were related to pre-existing health conditions.

MARYLAND, Central

Montgomery County
Kensington **02 1630EST** **0** **0** **15K** **Thunderstorm Wind (EG50)**
Several trees downed.

Prince George'S County
College Park **02 1630EST** **0** **0** **8K** **Thunderstorm Wind (EG50)**
Powerlines were downed in the Branchville district of College Park.

Montgomery County
Colesville **02 1635EST** **0** **0** **10K** **Thunderstorm Wind (EG50)**
Trees downed.

Prince George'S County
Ft Washington **02 1638EST** **0** **0** **10K** **Thunderstorm Wind (EG50)**
Powerlines down on Indian Head Highway near Tantallon and Fort Washington.

Montgomery County
Silver Spg to Wheaton **02 1700EST 1710EST** **0** **0** **5M** **Thunderstorm Wind (EG60)**
Extensive tree and powerline damage occurred from Silver Spring to Wheaton, Aspen Hill, and White Oak. Several homes were struck by trees which caused extensive property damage in the neighborhoods. PEPCO reported more than 18,000 customers without power in Montgomery County.

Anne Arundel County
Cape St Claire **02 1728EST 1731EST** **0** **0** **1.5M** **Thunderstorm Wind (EG60)**
Extensive property damage occurred in the Cape St. Claire area due to straight-line wind damages. Two houses were extensively damaged and a van was also damaged. Numerous trees and powerlines were downed due to the severe thunderstorms. Several very large trees were also downed, including as a 125 foot red oak tree which was uprooted by the severe winds.

Baltimore County
Perry Hall **02 1733EST** **0** **0** **Hail(1.00)**
Quarter-sized hail occurred.

Baltimore County
Parkville **02 1830EST** **0** **0** **10K** **Thunderstorm Wind (EG50)**
Trees downed.

A frontal boundary sagged south into the Mid Atlantic on July 2, and combined with very strong daytime heating and instability, contributed to scattered severe thunderstorm activity. Much of the state of Maryland experienced damages from the severe thunderstorms. The worst damages occurred in the Wheaton area of Montgomery County, and also in the Cape St. Claire section of Anne Arundel County. NWS site surveys of the damages confirmed the damages were caused by straight line winds. A buoy just 5 miles from Annapolis in the Chesapeake Bay measured winds of 69 mph with these storms. Extensive property damage occurred, including numerous downed trees and powerlines. Newspaper reports indicated in excess of 100,000 customers without power in the Washington Metro Region.

Montgomery County
3 SW Germantown **04 1340EST** **0** **0** **15K** **Thunderstorm Wind (EG50)**
Trees and powerlines downed.

Harford County
10 E Jarrettsville **04 1400EST** **0** **0** **7K** **Thunderstorm Wind (EG50)**
Trees downed.

Storm Data and Unusual Weather Phenomena

July 2006

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

MARYLAND, Central

Carroll County

5 W Woodbine — **04** — **1420EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Tree downed which knocked out power to 35 homes.

Baltimore County

Cockeysville — **04** — **1441EST** — **0** — **0** — **25K** — **Thunderstorm Wind (EG50)**

Tree downed on a vehicle passing by on Interstate 83 north of Baltimore City.

Montgomery County

Chevy Chase to 3 NE Wheaton — **04** — **1545EST 1605EST** — **0** — **0** — **100K** — **Thunderstorm Wind (EG55)**

Substantial damages occurred with the severe storms as they moved through the southern portion of Montgomery County, close to Washington DC. Numerous trees were downed across the Chevy Chase and Wheaton areas. Many trees were also downed in the Branch Park area. Reports were received from trained spotters, emergency managers, and off-duty NWS meteorologists.

Prince George'S County

Hyattsville to Bowie — **04** — **1620EST 1645EST** — **0** — **0** — **1M** — **Thunderstorm Wind (EG55)**

Extensive tree damage occurred in the University Park section of Prince Georges County, including College Heights Estates and Lewisdale. Reports were collected from the public, county officials, trained spotters, and newspaper accounts that included trees downed on vehicles and houses and broken sidewalks due to uprooted trees. County officials reported extensive tree damage in the Bowie area as well. About 200 weather-related incidents involving vehicles and property damages were recorded by Prince Georges County officials within a 2 hour period.

Anne Arundel County

Annapolis — **04** — **1635EST** — **0** — **0** — **250K** — **Thunderstorm Wind (EG50)**

20 to 30 trees were downed on houses in Annapolis.

Charles County

Nanjemoy — **04** — **1730EST** — **0** — **0** — **20K** — **Thunderstorm Wind (EG50)**

Trees downed.

Prince George'S County

Brandywine — **04** — **1730EST** — **0** — **0** — **25K** — **Thunderstorm Wind (EG50)**

Trees downed.

St. Mary'S County

Mechanicsville — **04** — **2145EST 2146EST** — **0** — **0** — **15K** — **Thunderstorm Wind (EG50)**

Trees downed.

St. Mary'S County

California — **04** — **2155EST** — **0** — **0** — **20K** — **Thunderstorm Wind (EG50)**

Trees downed in California and Lexington Park.

Scattered severe thunderstorms developed on July 4 due to an approaching cold front and a very unstable airmass residing over the Mid-Atlantic. The severe storms formed along the Blue Ridge Mountains and moved east into the Washington and Baltimore suburbs during the evening. The hardest hit areas included a large portion of Prince Georges County in suburban Washington, and a section of Annapolis that experienced extensive tree damages. Many 4th of July festivities were affected by this bout of severe weather.

St. Mary'S County

Valley Lee — **05** — **1720EST** — **0** — **0** — **Thunderstorm Wind (EG50)**

Large tree downed.

Carroll County

Finksburg — **05** — **2145EST 2250EST** — **0** — **0** — **100K** — **Flash Flood**

A few flooded roads in the 140 Corridor. Guardrails and shoulder damaged along Patapsco Road.

Frederick County

Frederick — **05** — **2145EST 2230EST** — **0** — **0** — **Flash Flood**

Gashouse Pike was flooded.

Harford County

Abingdon to Edgewood — **05** — **2243EST 2350EST** — **0** — **0** — **Flash Flood**

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

MARYLAND, Central

Nine Roads closed due to high water in the Abingdon and Edgewood areas.

Baltimore County

Woodlawn — **05 2345EST** / **06 0100EST** — 0 — 0 — **Flash Flood**

Baltimore Beltway was flooded at exit 16. Rolling Road and US Route 40 also flooded.

Howard County

Elk Ridge — **06 0000EST** / **0130EST** — 0 — 0 — **Flash Flood**

US Route 1 Southbound near the Baltimore County Line was closed due to high water. Route 103 and Roosevelt Blvd also closed.

Prince George'S County

Laurel — **06 0032EST** / **0130EST** — 0 — 0 — **Flash Flood**

US Route 1 closed at Talbott Avenue due to high water.

Prince George'S County

College Park — **06 0437EST** / **0600EST** — 0 — 0 — **Flash Flood**

US Route 1 closed both directions between Regents Drive and Knox Road due to high water.

After the severe storms of July 4th around the region, additional severe weather occurred on the 5th. There were numerous reports of flash flooding and wind damage from these storms as they moved through the Washington/Baltimore region.

Washington County

Hancock — **11 1950EST** — 0 — 0 — **10K** — **Thunderstorm Wind (EG50)**

Trees were downed by a severe thunderstorm.

Prince George'S County

Upper Marlboro — **12 1542EST** — 0 — 0 — **20K** — **Thunderstorm Wind (EG50)**

Trees and powerlines down.

Anne Arundel County

Lothian — **12 1759EST** — 0 — 0 — **25K** — **Thunderstorm Wind (EG50)**

Trees and powerlines downed at the intersection of Route 2 and Ark Road.

An upper level disturbance in conjunction with a moist and unstable summertime airmass contributed to severe thunderstorm activity on July 12. The most intense damage from the thunderstorms occurred in the western suburbs of Washington DC and the southern suburbs of Baltimore. About 7200 customers were without power during the brunt of this severe weather event.

MDZ003>007-009>011-013>014-016>018 — **Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert**

17 1200EST / **1600EST** — 0 — 0 — **Heat**

A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC in the counties of Prince Georges, Calvert, and Carroll. Two additional deaths, also in the Maryland suburbs, were indirectly attributed to this heat wave, since they were related to pre-existing health conditions.

MDZ004>007-009>011-013>014-016>018 — **Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert**

18 1200EST / **1600EST** — 3 — 0 — **Heat**

A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC in the counties of Prince Georges, Calvert, and Carroll. Two additional deaths, also in the Maryland suburbs, were indirectly attributed to this heat wave, since they were related to pre-existing health conditions. M54PH, M60OU, M73VE

Prince George'S County

Landover — **18 1530EST** — 0 — 0 — **12K** — **Thunderstorm Wind (EG50)**

Powerlines downed.

Allegany County

Piney Grove — **18 1531EST** — 0 — 0 — **10K** — **Thunderstorm Wind (EG50)**

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

MARYLAND, Central

Trees down along Interstate 68 near Orleans Road. The downed trees blocked the interstate temporarily.

Prince George'S County
Palmer Park **18** **1542EST** **0** **0** **Hail(1.00)**
Quarter sized hail reported by the local media.

Prince George'S County
Riverdale **18** **1555EST** **0** **0** **25K** **Thunderstorm Wind (EG52)**
Telephone poles and wires downed.

Washington County
Hagerstown Arpt **18** **1650EST** **0** **0** **Thunderstorm Wind (MG50)**
Measured wind gust at the Hagerstown Regional Airport.

Washington County
Maugansville **18** **1657EST** **0** **0** **20K** **Thunderstorm Wind (EG50)**
1700EST
Trees and powerlines downed. Some tree damage also near Long Meadow.

Frederick County
Middlepoint **18** **1750EST** **0** **0** **13K** **Thunderstorm Wind (EG50)**
Trees and powerlines downed.

Frederick County
Braddock Hgts **18** **1810EST** **0** **0** **Hail(0.75)**
Penny sized hail.

Frederick County
Adamstown **18** **1820EST** **0** **0** **Hail(0.88)**
Nickel sized hail.

Carroll County
New Windsor **18** **1826EST** **0** **0** **10K** **Thunderstorm Wind (EG50)**
Powerlines downed.

Harford County
Jarrettsville **18** **1840EST** **0** **0** **10K** **Thunderstorm Wind (EG50)**
Powerlines downed.

Carroll County
Mt Airy **18** **1900EST** **0** **0** **Hail(0.75)**
Penny sized hail.

Harford County
2 N Bel Air **18** **1902EST** **0** **0** **18K** **Thunderstorm Wind (EG50)**
Trees and powerlines downed.

Prince George'S County
Bowie **18** **1935EST** **0** **0** **8K** **Thunderstorm Wind (EG50)**
Powerlines downed.

An approaching cold front combined with a very hot and humid airmass to generate severe thunderstorms around much of the Mid Atlantic on July 18. Reports of severe weather were received from the Eastern Panhandle of West Virginia, through the Washington/Baltimore corridor, to the Chesapeake Bay. The most intense of the severe storms occurred in Eastern Panhandle of West Virginia, where the worst damages occurred, and a report of tennis-ball sized hall was also reported. Extensive damages also occurred in the Frederick and Hagerstown areas of Central Maryland due to the severe thunderstorms.

Frederick County
1 N Frederick **19** **1806EST** **0** **0** **10K** **Thunderstorm Wind (EG52)**
Trees downed on the north side of Frederick from a severe thunderstorm.

Carroll County
Mt Airy **27** **2015EST** **0** **5** **Lightning**
Strong thunderstorms moved across Northern Maryland during the evening of July 27. Nearly continuous cloud to ground lightning strikes were noted with these storms. Five people were injured at the Mount Airy Volunteer Fire Company's annual carnival. The people injured were riding a carnival ride at the time, and lightning struck the ride. Two of the people were rushed to a local hospital.

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

MARYLAND, Central

Montgomery County

3 SSW Damascus — **27** — **2030EST** — **0** — **0** — **30K** — **Thunderstorm Wind (EG50)**

Trees and large branches were downed in a 3 mile area near Damascus. Nearly constant lightning was also reported with these storms. Some minor property damage also occurred due to the severe thunderstorms moving through the local area.

MDZ007 — **Harford**

30 — **1300EST** — **1600EST** — **0** — **50** — **Heat**

About 50 people were treated for heat illnesses at a Boy Scouts event at Camp Spencer, neat the town of Darlington. The heat index was estimated between 100 to 103 degrees with data from surrounding weather observation stations.

VIRGINIA, North

Fairfax County

Great Falls — **02** — **1605EST** — **0** — **0** — **13K** — **Thunderstorm Wind (EG50)**

Trees downed.

Falls Church (C)

Falls Church — **02** — **1612EST** — **0** — **0** — **45K** — **Thunderstorm Wind (EG50)**

Trees downed on a garage.

Arlington County

Arlington — **02** — **1615EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Tree damage reported by off-duty meteorologist.

Fairfax County

Centreville — **02** — **1630EST** — **0** — **0** — **11K** — **Thunderstorm Wind (EG50)**

Trees downed.

Albemarle County

South Portion — **02** — **1700EST** — **0** — **0** — **15K** — **Thunderstorm Wind (EG50)**

Trees down south of the City of Charlottesville.

Fairfax (C)

Fairfax — **02** — **1700EST** — **0** — **0** — **15K** — **Thunderstorm Wind (EG50)**

Several trees downed.

Arlington County

Arlington — **02** — **1703EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Trees downed.

Alexandria (C)

Alexandria — **02** — **1707EST** — **0** — **0** — **40K** — **Thunderstorm Wind (EG50)**

Trees down and a roof was damaged on Kenmore Avenue.

Fairfax County

Annandale — **02** — **1715EST** — **0** — **2** — **5M** — **Thunderstorm Wind (EG60)**

NWS Storm Survey indicated a wet microburst produced near 70 mph winds. A dozen homes were damaged near Woodland Road in Annandale. According to newspaper accounts, three of the homes were evacuated due to structural damages and gas leaks. The extensive tree damage was likely exacerbated by weakened tree roots from the significant rains that occurred just a week earlier in late June.

Charlottesville (C)

Charlottesville — **02** — **1728EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Trees downed.

Prince William County

Woodbridge to Dumfries — **02** — **2009EST** — **2014EST** — **0** — **0** — **20K** — **Thunderstorm Wind (EG50)**

Numerous trees and powerlines downed between Dumfries and Woodbridge.

A frontal boundary sagged south into the Mid Atlantic on July 2, and combined with very strong daytime heating and instability, contributed to scattered severe thunderstorm activity. Much of North-Central Virginia including the Washington Metro Region experienced damages from the severe thunderstorms. The worst damages occurred in the Annandale area of Fairfax County. A NWS survey team concluded that damages were caused from a wet microburst. Winds associated with the microburst were around

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

VIRGINIA, North

70 mph. Extensive property damage occurred during these storms, including numerous downed trees and powerlines. Local power companies reported in excess of 100,000 power outages in the Washington Metro Region from this bought of severe weather.

Loudoun County
Hillsboro 04 1315EST 0 0 13K **Thunderstorm Wind (EG50)**
Several trees downed.

Shenandoah County
Strasburg 04 1430EST 0 0 15K **Thunderstorm Wind (EG50)**
Trees and powerlines downed.

Warren County
Reliance 04 1440EST 0 0 10K **Thunderstorm Wind (EG50)**
Trees downed.

Fauquier County
Upperville 04 1445EST 0 0 13K **Thunderstorm Wind (EG50)**
Trees and powerlines downed.

Clarke County
4 SE Millwood 04 1450EST 0 0 8K **Thunderstorm Wind (EG50)**
Trees downed near Bethel.

Clarke County
5 SE Boyce 04 1454EST 0 0 11K **Thunderstorm Wind (EG50)**
Falling trees and powerlines downed.

Fauquier County
4 WNW Halfway 04 1530EST 0 0 12K **Thunderstorm Wind (EG50)**
Trees and powerlines down at junction of Saint Louis Road and Route 50.

Loudoun County
5 WNW Middleburg 04 1530EST 0 0 15K **Thunderstorm Wind (EG50)**
Several trees and powerlines downed on Millsville Road near the town of Upperville.

Fairfax County
Herndon 04 1550EST 0 0 **Hail(0.75)**
Penny sized hail occurred at intersection of Centreville and West Ox Roads.

Fairfax County
Centreville 04 1555EST 0 0 **Hail(1.00)**
Quarter sized hail.

Fairfax County
Oakton 04 1555EST 0 0 12K **Thunderstorm Wind (EG50)**
Several trees downed on Oakton Terrace Road.

Fairfax (C)
1 S Fairfax 04 1605EST 0 0 15K **Thunderstorm Wind (EG50)**
Trees downed at intersection of Collinham and Kaywood Courts near Robinson High School.

Falls Church (C)
Falls Church 04 1605EST 0 0 15K **Thunderstorm Wind (EG50)**
Trees and powerlines downed on the 300 block of West Columbia Street.

Arlington County
Arlington 04 1614EST 1615EST 0 0 50K **Thunderstorm Wind (EG50)**
Numerous trees downed in Arlington National Cemetary. Trees also downed on the George Washington Memorial Parkway.

Fairfax County
3 N Fairfax Station 04 1615EST 0 0 20K **Thunderstorm Wind (EG50)**
Large trees downed.

Rappahannock County
Huntly 04 1615EST 0 0 20K **Thunderstorm Wind (EG50)**
Numerous trees downed.

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

VIRGINIA, North

Alexandria (C)

Alexandria — **04** — **1630EST** — **0** — **0** — **80K** — **Thunderstorm Wind (EG50)**

Several trees downed, with damage to a building still under construction.

Fauquier County

Bealeton — **04** — **1638EST** — **0** — **0** — **14K** — **Thunderstorm Wind (EG50)**

Trees and powerlines downed.

Fairfax County

Hybla Vly — **04** — **1644EST** — **0** — **0** — **15K** — **Thunderstorm Wind (EG50)**

Trees downed on the George Washington Parkway.

Prince William County

Nokesville — **04** — **1650EST** — **0** — **0** — **22K** — **Thunderstorm Wind (EG52)**

Roof damaged by severe winds. Pea sized hail occurred with the storm.

Scattered severe thunderstorms developed on July 4 due to an approaching cold front and a very unstable airmass residing over the Mid-Atlantic. The severe storms formed along the Blue Ridge Mountains and moved east into the Northern Virginia suburbs of Washington, DC. Most of the damages were caused by downed trees.

Arlington County

Arlington — **05** — **1445EST 1600EST** — **0** — **0** — **Flash Flood**

Route 110 north of the Pentagon was flooded.

Fairfax County

Annandale — **05** — **1515EST 1600EST** — **0** — **0** — **Flash Flood**

Prosperity Avenue at Little River Turnpike and Spicewood closed due to flooding.

Loudoun County

Leesburg — **05** — **2200EST 2300EST** — **0** — **0** — **Flash Flood**

Lawson Road closed due to flooding.

Prince William County

Woodbridge — **06** — **0429EST 0600EST** — **0** — **0** — **Flash Flood**

US Route 1 closed at Cardinal Drive due to high water.

After the severe storms of July 4th around the region, additional severe weather occurred on the 5th and early on the 6th. There were numerous reports of flash flooding and wind damage from these storms as they moved through the Washington/Baltimore region.

Loudoun County

Aldie to Arcola — **12** — **1400EST 1405EST** — **0** — **0** — **25K** — **Thunderstorm Wind (EG50)**

Trees downed in Aldie and Arcola, including on Post Office Road.

Fairfax County

Chantilly — **12** — **1410EST** — **0** — **0** — **18K** — **Thunderstorm Wind (EG50)**

Trees down, blocking a road in the Sully area.

Fairfax County

Annandale — **12** — **1435EST** — **0** — **0** — **22K** — **Thunderstorm Wind (EG50)**

Trees down, blocking several roads.

Fauquier County

5 S The Plains — **12** — **1435EST** — **0** — **0** — **15K** — **Thunderstorm Wind (EG50)**

Trees and powerlines downed.

Alexandria (C)

Alexandria — **12** — **1450EST** — **0** — **0** — **5K** — **Thunderstorm Wind (EG50)**

Large limbs downed on Franklin Street.

Arlington County

Arlington — **12** — **1450EST** — **0** — **0** — **25K** — **Thunderstorm Wind (EG50)**

Tree downed in South Arlington.

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

VIRGINIA, North

Rappahannock County

Flint Hill — **12** — **1550EST** — **0** — **0** — **20K** — **Thunderstorm Wind (EG50)**

Tree down on Ben Venue Road.

Fauquier County

5 SW Ada — **12** — **1555EST** — **0** — **0** — **22K** — **Thunderstorm Wind (EG52)**

Trees and powerlines downed on Crest Hill and Leeds Manor Roads.

Clarke County

3 SW Berryville — **12** — **1625EST** — **0** — **0** — **18K** — **Thunderstorm Wind (EG50)**

Trees and powerlines downed on Wadesville Road.

Greene County

Standardsville — **12** — **1705EST** — **0** — **0** — **15K** — **Thunderstorm Wind (EG50)**

Tree downed.

Orange County

Countywide — **12** — **1725EST** — **0** — **0** — **30K** — **Thunderstorm Wind (EG50)**

Trees downed countywide.

An upper level disturbance in conjunction with a moist and unstable summertime airmass contributed to severe thunderstorm activity on July 12. The most intense damage from the thunderstorms occurred in the western suburbs of Washington DC, such as Fairfax and Warrenton, VA.

VAZ036>042-050-052>053-055>057 — **Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Prince William - Fairfax - Stafford - Spotsylvania - King George**

15 — **0300EST 0600EST** — **0** — **0** — **Dense Fog**

Dense fog with visibilities below one-half mile occurred early in the morning of July 15.

VAZ041>042-050>057 — **Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George**

17 — **1200EST 1600EST** — **0** — **0** — **Heat**

A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC.

VAZ037>042-050>057 — **Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George**

18 — **1200EST 1600EST** — **0** — **0** — **Heat**

A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC.

Shenandoah County

Strasburg — **18** — **1607EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Powerlines downed.

Rockingham County

Bridgewater — **18** — **1635EST** — **0** — **0** — **18K** — **Thunderstorm Wind (EG50)**

Trees and powerlines downed.

Warren County

5 SSW Front Royal — **18** — **1635EST** — **0** — **0** — **Hail(0.88)**

Nickel sized hail.

Page County

2 E Luray to 2 W Luray — **18** — **1641EST** — **0** — **0** — **Hail(0.88)**

Nickel sized hail was reported at Thornton Gap on Route 211.

Warren County

4 S Front Royal — **18** — **1643EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Locust trees were downed on Skyline Drive in the Shenandoah National Park.

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

VIRGINIA, North

Rappahannock County

4 W Sperryville — **18** — **1645EST** — **0** — **0** — **Hail(1.00)**

Quarter sized hail was reported by the National Park Service on Skyline Drive in the Shenandoah National Park.

An approaching cold front combined with a very hot and humid airmass to generate severe thunderstorms around much of the Mid Atlantic on July 18. Reports of severe weather were received from the Eastern Panhandle of West Virginia, through the Washington/Baltimore corridor, to the Chesapeake Bay. The most intense of the severe storms occurred in Eastern Panhandle of West Virginia, where the worst damages occurred, and a report of tennis-ball sized hall was also reported. Extensive damages also occurred in the Frederick and Hagerstown areas of Central Maryland due to the severe thunderstorms. Isolated damages were also reported in the Northern Shenandoah Valley of Northern Virginia.

Augusta County

Middlebrook — **19** — **1624EST** — **0** — **0** — **8K** — **Thunderstorm Wind (EG50)**

Trees downed from a severe thunderstorm.

Augusta County

Churchville — **20** — **1605EST** — **0** — **0** — **12K** — **Thunderstorm Wind (EG50)**

Several downed trees.

Augusta County

Arbor Hill — **20** — **1645EST** — **0** — **0** — **12K** — **Thunderstorm Wind (EG50)**

Several trees were downed.

Strong instability combined with winds flowing over the Appalachian Mountains contributed to scattered severe thunderstorms on the afternoon of July 20. The severe storms occurred primarily across the Central and Northern Shenandoah Valley and Potomac Highlands (west of the Blue Ridge Mountains). The most extensive damages occurred in Hampshire County, WV and Augusta County, VA.

Shenandoah County

Carmel — **21** — **1255EST** — **0** — **0** — **7K** — **Thunderstorm Wind (EG50)**

Tree downed in the Fort Valley area.

Prince William County

Woodbridge — **21** — **1440EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Two trees were downed near the intersection of Old Bridge and Smoketown Roads.

Rockingham County

Hinton — **21** — **1520EST** — **0** — **0** — **20K** — **Thunderstorm Wind (EG50)**

Numerous trees and powerlines downed.

Spotsylvania County

Gatewood — **21** — **1610EST** — **0** — **0** — **15K** — **Thunderstorm Wind (EG50)**

Trees and powerlines down along the 5800 block of Towles Mill Road in the Turkey Hill area.

Spotsylvania County

Lewiston — **21** — **1620EST** — **0** — **0** — **9K** — **Thunderstorm Wind (EG50)**

Trees downed.

Spotsylvania County

Four Mile Fork — **21** — **1630EST** — **0** — **0** — **20K** — **Thunderstorm Wind (EG50)**

Trees downed at the Sunset Memorial Gardens along US Route 1.

Spotsylvania County

Massaponax — **21** — **1630EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Tree down at the intersection of US Route 1 and Hickory Ridge Road.

A trough of low pressure combined with strong instability and moisture to cause scattered severe thunderstorms to develop during the afternoon. Most of the activity occurred across the Northern Piedmont of North-Central Virginia.

Shenandoah County

Strasburg — **30** — **1542EST** — **0** — **0** — **16K** — **Thunderstorm Wind (EG50)**

Trees and powerlines downed from gusty winds due to a severe thunderstorm moving across the local area.

Madison County

5 S Radiant — **30** — **1705EST** — **0** — **0** — **14K** — **Thunderstorm Wind (EG50)**

Trees and powerlines downed from gusty winds due to a severe thunderstorm moving across the local area.

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

WEST VIRGINIA, East

Berkeley County

Martinsburg — **09** — **1300EST** — **0** — **0** — **Hail(0.88)**

Nickel-sized hail was reported in Martinsburg with a severe thunderstorm.

Jefferson County

Charles Town — **12** — **1638EST 1643EST** — **0** — **0** — **13K** — **Thunderstorm Wind (EG50)**

Trees and many large branches downed at the corner of Mildred and Washington Streets.

An upper level disturbance in conjunction with a moist and unstable summertime airmass contributed to severe thunderstorm activity on July 12. The most intense damage from the thunderstorms occurred in the western suburbs of Washington DC, such as Fairfax and Warrenton, VA. About 7200 customers were without power during the brunt of this severe weather event in the Washington Metropolitan Area. A few reports of damages were also received from the Eastern Panhandle of West Virginia.

WVZ053 — **Jefferson**

17 — **1200EST 1600EST** — **0** — **0** — **Heat**

A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC.

Grant County

Petersburg Grant Arp — **18** — **1335EST** — **0** — **0** — **Hail(0.75)**

Penny sized hail.

Grant County

4 S Petersburg — **18** — **1358EST** — **0** — **0** — **Hail(1.75)**

Golfball sized hail occurred along North Creek Road.

Grant County

Petersburg — **18** — **1430EST** — **0** — **0** — **Hail(0.88)**

Nickel sized hail.

Morgan County

Berkeley Spgs — **18** — **1518EST 1525EST** — **0** — **0** — **Hail(1.00)**

Quarter sized hail.

Pendleton County

1 N Franklin — **18** — **1530EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Trees down.

Morgan County

Berkeley Spgs — **18** — **1630EST 1635EST** — **0** — **0** — **750K** — **Hail(2.50)**

Hail to the size of tennis balls was reported at a local business in Berkeley Springs. Newspaper reports indicated roughly 100 cars were damaged by the very large hail stones.

Morgan County

Berkeley Spgs — **18** — **1635EST** — **0** — **0** — **13K** — **Thunderstorm Wind (EG50)**

Trees were downed in Berkeley Springs.

Hampshire County

Forks Of Cacaoh — **18** — **1653EST** — **0** — **0** — **Hail(1.00)**

Quarter sized hail.

Berkeley County

Hedgesville — **18** — **1710EST** — **0** — **0** — **10K** — **Thunderstorm Wind (EG50)**

Trees down.

Morgan County

5 WSW Berkeley Spgs — **18** — **1802EST** — **0** — **0** — **Hail(1.00)**

Quarter sized hail.

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

WEST VIRGINIA, East

Morgan County

Berkeley Spgs to 2 SSW Berkeley Spgs	**18**	**1913EST 2130EST**			**0**	**0**	**125K**		**Flash Flood**

Warm Springs Run was out of its banks. The Emergency Services Director stated that the flash flooding just south of Berkeley Springs was the worst experienced in the past 30 years. Some street flooding and closed streets was reported in downtown Berkeley Springs. The Berkeley Springs high school sustained damages in the school cafeteria. The basement walls of a house in Berkeley Springs collapsed due to the heavy rainfall. Mesner Road near Libby's Ridge Road sustained damages. Several vehicles were stranded in high water along US Route 522 just south of Berkeley Springs. A few other roads were washed out due to the flash flooding.

An approaching cold front combined with a very hot and humid airmass to generate severe thunderstorms around much of the Mid Atlantic on July 18. Reports were received from the Eastern Panhandle of West Virginia, through the Washington/Baltimore corridor, to the Chesapeake Bay. The most intense of the severe storms occurred in the Berkeley Springs, WV area, where the worst damages occurred, and a report of tennis-ball sized hall was also reported. Other portions of the Eastern Panhandle experienced extensive flash flooding during this severe weather episode as well.

Pendleton County

Franklin to Brandywine	**20**	**1400EST 1410EST**			**0**	**0**	**15K**		**Thunderstorm Wind (EG50)**

Newspaper reports indicated several trees were downed at the city park in Franklin, and on private property in the Brandywine area.

Hampshire County

Slanesville	**20**	**1545EST**			**0**	**0**	**50K**		**Thunderstorm Wind (EG54)**

Extensive tree damage occurred due to severe thunderstorms in the Slanesville area. Some minor property damage also occurred such as roof damage to barns and signs knocked over. Local Emergency Management and SKYWARN weather spotters contributed to this report.

Berkeley County

Bunker Hill	**20**	**1730EST**			**0**	**0**	**75K**		**Thunderstorm Wind (EG55)**

Powerlines and trees were downed in the town of Bunker Hill. The roof was partially destroyed and blown off of a local chapel.

Strong instability combined with winds flowing over the Appalachian Mountains contributed to scattered severe thunderstorms on the afternoon of July 20. The severe storms occurred primarily across the Central and Northern Shenandoah Valley and Potomac Highlands (west of the Blue Ridge Mountains). The most extensive damages occurred in Hampshire County, WV and Augusta County, VA.

Berkeley County

Bunker Hill	**27**	**1900EST**			**0**	**0**	**70K**		**Thunderstorm Wind (EG50)**

A severe thunderstorm moved across portions of Berkeley County, WV, and caused damages in the Bunker Hill area. One large tree was uprooted on Giles Mill Road, with several smaller branches downed as well. A semi-truck trailer was overturned near the Interstate 81 interchange during this storm. A church steeple was damaged on Runnymead Road.