

Storm Data and Unusual Weather Phenomena - September 2019

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|-------------------------------------|
| ATLANTIC NORTH | | | | |
| CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- TOLCHESTER MD (TCBM2) [39.32, -76.25] | | | | |
| | 09/02/19 18:12 EST | 0 | | Marine Thunderstorm Wind (MG 34 kt) |
| | 09/02/19 18:12 EST | 0 | | Source: Buoy |
| TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- BABAR POINT (BAB) [38.31, -77.03] | | | | |
| | 09/02/19 18:46 EST | 0 | | Marine Thunderstorm Wind (MG 37 kt) |
| | 09/02/19 18:46 EST | 0 | | Source: Buoy |
| TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- POTOMAC RIVER BUOY (44067) [38.37, -77.00] | | | | |
| | 09/02/19 18:48 EST | 0 | | Marine Thunderstorm Wind (MG 35 kt) |
| | 09/02/19 18:48 EST | 0 | | Source: Buoy |
| <p>A cold front crossed the region during the afternoon and evening hours at the same as an upper-level disturbance approached the region. A southerly flow out ahead of the boundary brought increased moisture and that combined with heating from sunshine led to unstable conditions by late in the day. Shear also increased late in the day in response to the approaching upper-level disturbance. This combination of instability, forcing, and wind shear led to showers and thunderstorms, some of which produced gusty winds over the waters.</p> | | | | |
| TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO (KNYG) [38.51, -77.30] | | | | |
| | 09/11/19 16:49 EST | 0 | | Marine Thunderstorm Wind (MG 34 kt) |
| | 09/11/19 16:49 EST | 0 | | Source: ASOS |
| <p>In the afternoon hours of September 11th, a weak upper level trough approached the region from the Ohio Valley. This coupled with abundant surface heating led to the development of showers and thunderstorms by the afternoon and evening hours. With ample instability and modest shear, one thunderstorm produced gusty winds over the waters.</p> | | | | |
| MARYLAND, Central | | | | |
| CARROLL COUNTY --- 2.1 N MELROSE [39.71, -76.90] | | | | |
| | 09/02/19 16:20 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/02/19 16:20 EST | 0 | | Source: Trained Spotter |
| <p>Large tree limbs were blown down in the 2300 block of Convey Drive.</p> | | | | |
| BALTIMORE COUNTY --- KINGSVILLE [39.45, -76.42] | | | | |
| | 09/02/19 17:33 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/02/19 17:33 EST | 0 | | Source: Public |
| <p>Large tree limbs were blown down in Kingsville.</p> | | | | |
| HARFORD COUNTY --- 1.3 WSW CLAYTON [39.42, -76.35] | | | | |
| | 09/02/19 17:37 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/02/19 17:37 EST | 0 | | Source: Public |
| <p>Large tree limbs were blown down in Joppatowne.</p> | | | | |
| CHARLES COUNTY --- 0.7 N MASON SPGS [38.59, -77.12] | | | | |
| | 09/02/19 17:38 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/02/19 17:38 EST | 0 | | Source: State Official |
| <p>A tree was blown down across wires on Livingston Road.</p> | | | | |
| CHARLES COUNTY --- 1.3 WSW CHICAMUXEN [38.52, -77.24] | | | | |
| | 09/02/19 17:39 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/02/19 17:39 EST | 0 | | Source: State Official |

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|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

A tree was blown down in the 7000 block of Riverside Road.

CHARLES COUNTY --- 2.1 NNW GRAYTON [38.45, -77.21]

| | | | | |
|--------------------|--|--|---|------------------------------|
| 09/02/19 17:51 EST | | | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/02/19 17:51 EST | | | 0 | Source: State Official |

A tree was blown down near the intersection of Liverpool Point Road and Port Tobacco Road.

A cold front crossed the region during the afternoon and evening hours at the same as an upper-level disturbance approached the region. A southerly flow out ahead of the boundary brought increased moisture and that combined with heating from sunshine led to unstable conditions by late in the day. Shear also increased late in the day in response to the approaching upper-level disturbance. This combination of instability, forcing, and wind shear led to showers and thunderstorms, some of which became severe.

(MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S

| | | | | |
|--------------------|--|--|---|---------------|
| 09/07/19 19:11 EST | | | 0 | Coastal Flood |
| 09/08/19 04:06 EST | | | 0 | |

Strong northwest flow that had been place in over the region relaxed, allowing high water anomalies in the central and southern Chesapeake Bay to rebound northward. This caused moderate coastal flooding to occur along the western shore of the Chesapeake Bay and lower tidal Potomac.

(MD-Z014) ANNE ARUNDEL

| | | | | |
|--------------------|--|--|---|---------------|
| 09/14/19 03:54 EST | | | 0 | Coastal Flood |
| 09/14/19 05:24 EST | | | 0 | |

Persistent easterly flow allowed water to build up in the lower part of the Chesapeake Bay in the tidewater area of Virginia. As the flow turned southerly, this brought most of the water anomalies northward along the western shore of the Chesapeake Bay and tidal Potomac River, leading to moderate Coastal Flooding.

VIRGINIA, North

FREDERICK COUNTY --- 1.3 WNW GREEN SPG [39.31, -78.19]

| | | | | |
|--------------------|--|--|---|------------------------------|
| 09/02/19 14:30 EST | | | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/02/19 14:30 EST | | | 0 | Source: Public |

A tree was blown down at a residence on VA-682 Glaze Orchard Road. Several trees were also blown down onto wires on VA-671 Green Spring Road.

LOUDOUN COUNTY --- 1.3 WSW NORTH FORK [39.06, -77.75]

| | | | | |
|--------------------|--|--|---|------------------------------|
| 09/02/19 15:15 EST | | | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/02/19 15:15 EST | | | 0 | Source: State Official |

A tree was blown down at the intersection of Saint Louis Road and Chamblin Mill Road.

LOUDOUN COUNTY --- 1.6 E MIDDLEBURG [38.97, -77.74]

| | | | | |
|--------------------|--|--|---|----------------|
| 09/02/19 15:50 EST | | | 0 | Hail (0.88 in) |
| 09/02/19 15:50 EST | | | 0 | Source: Public |

FAUQUIER COUNTY --- 3.0 NNW HALFWAY [38.96, -77.75]

| | | | | |
|--------------------|--|--|---|------------------------------|
| 09/02/19 15:53 EST | | | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/02/19 15:53 EST | | | 0 | Source: Public |

Two trees and multiple large branches were blown down near Hickory Tree Farm.

LOUDOUN COUNTY --- 0.9 NW DOVER [38.98, -77.68]

| | | | | |
|--------------------|--|--|---|------------------------------|
| 09/02/19 15:57 EST | | | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/02/19 15:57 EST | | | 0 | Source: Public |

Large tree limbs up to six inches in diameter were blown down near US-50 between Middleburg and Aldie.

PRINCE WILLIAM COUNTY --- 1.6 W HICKORY GROVE [38.90, -77.66]

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| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|------------------------------|
| | 09/02/19 16:09 EST | | 0 | Thunderstorm Wind (EG 70 kt) |
| | 09/02/19 16:09 EST | | 0 | Source: Emergency Manager |
| A large tree was blown down onto a house in the 2500 block of Youngs Drive. Large trees were also blown down at Tiffany Lane and Mountain Road. Dozens of trees were blown down near the intersection of Hunton Lane and Mountain Road. Garage doors were also blown in. | | | | |
| FAIRFAX COUNTY --- 1.3 ESE BULL RUN [38.82, -77.46] | | | | |
| | 09/02/19 16:18 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/02/19 16:18 EST | | 0 | Source: State Official |
| Trees were blown down in the area of VA-658 and VA-859. | | | | |
| PRINCE WILLIAM COUNTY --- 0.9 SW WOODBRIDGE [38.64, -77.26] | | | | |
| | 09/02/19 17:20 EST | | 0 | Hail (0.75 in) |
| | 09/02/19 17:20 EST | | 0 | Source: Public |
| PRINCE WILLIAM COUNTY --- 0.9 SW TRIANGLE [38.54, -77.34] | | | | |
| | 09/02/19 17:25 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/02/19 17:25 EST | | 0 | Source: State Official |
| A tree was blown down along US-1 near the Marine Corps Museum. | | | | |
| PRINCE WILLIAM COUNTY --- 2.1 S DALE CITY [38.59, -77.30] | | | | |
| | 09/02/19 17:25 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/02/19 17:25 EST | | 0 | Source: State Official |
| Trees were blown down near the intersection of Powells Creek Boulevard and McGuffeys Trail. | | | | |
| KING GEORGE COUNTY --- 0.9 NE HOOES [38.36, -77.06] | | | | |
| | 09/02/19 18:25 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/02/19 18:25 EST | | 0 | Source: State Official |
| A tree was blown down near the intersection of Owens Drive and Chatham Drive. | | | | |
| <p>A cold front crossed the region during the afternoon and evening hours at the same as an upper-level disturbance approached the region. A southerly flow out ahead of the boundary brought increased moisture and that combined with heating from sunshine led to unstable conditions by late in the day. Shear also increased late in the day in response to the approaching upper-level disturbance. This combination of instability, forcing, and wind shear led to showers and thunderstorms, some of which became severe.</p> | | | | |
| AUGUSTA COUNTY --- 0.5 E JOLIVUE [38.10, -79.07] | | | | |
| | 09/09/19 15:22 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/09/19 15:22 EST | | 0 | Source: State Official |
| A tree was blown down in the 100 block of Hammond Lane. | | | | |
| AUGUSTA COUNTY --- 0.5 W WILDA [38.02, -79.09] | | | | |
| | 09/09/19 15:28 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/09/19 15:28 EST | | 0 | Source: State Official |
| A tree was blown down on Wilda Lane. | | | | |
| AUGUSTA COUNTY --- 2.1 SW WILDA [38.00, -79.11] | | | | |
| | 09/09/19 15:37 EST | | 0 | Thunderstorm Wind (EG 61 kt) |
| | 09/09/19 15:37 EST | | 0 | Source: State Official |
| The roof and walls of a garage were damaged by strong thunderstorm winds in the 2100 block of Cold Springs Road. | | | | |
| NELSON COUNTY --- 2.1 SE TYRO [37.80, -78.97] | | | | |
| | 09/09/19 16:11 EST | | 0 | Hail (0.88 in) |
| | 09/09/19 16:11 EST | | 0 | Source: Broadcast Media |
| NELSON COUNTY --- 1.1 E PINEY RIVER [37.72, -79.00] | | | | |

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| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 09/09/19 16:30 EST | | 0 | Thunderstorm Wind (EG 61 kt) |
| | 09/09/19 16:30 EST | | 0 | Source: State Official |

A tree was blown down on Tye Brook Highway. Multiple trees were blown down in the Piney River Area. Multiple trees were also blown down and a roof was blown off a barn in Arrington.

NELSON COUNTY --- 1.1 W NORWOOD [37.65, -78.85]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/09/19 16:35 EST | | 0 | Thunderstorm Wind (EG 61 kt) |
| | 09/09/19 16:35 EST | | 0 | Source: State Official |

Multiple trees were blown down in the Gladstone area.

A weak frontal boundary was positioned across central Virginia through the day of September 9th, with a well-defined instability gradient along it. Upper level energy also crossed the Mid-Atlantic and northeastern United States late in the day. This led to the formation of some showers and thunderstorms during the afternoon and evening, a few of which became severe across central Virginia.

SHENANDOAH COUNTY --- 0.9 NW ST LUKE [38.91, -78.59]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/11/19 13:50 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 13:50 EST | | 0 | Source: State Official |

A tree was blown down on Saint Luke Road near Wisman Road.

FREDERICK COUNTY --- 2.1 E GORE [39.27, -78.31]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/11/19 13:58 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 13:58 EST | | 0 | Source: State Official |

A tree was blown down on Stony Hill Road near Northwestern Turnpike.

CULPEPER COUNTY --- 0.7 N NORMAN [38.53, -78.07]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/11/19 13:59 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 13:59 EST | | 0 | Source: State Official |

A tree was blown down in the 12500 block of Scotts Mill Road.

FAUQUIER COUNTY --- 19.2 WSW BULL RUN [38.68, -77.78]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/11/19 14:01 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 14:01 EST | | 0 | Source: Law Enforcement |

Five to six inch in diameter tree limbs were blown down on the Lord Fairfax Community College campus.

FREDERICK COUNTY --- 0.5 E FREYCO [39.23, -78.09]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/11/19 14:01 EST | | 0 | Thunderstorm Wind (EG 61 kt) |
| | 09/11/19 14:01 EST | | 0 | Source: State Official |

Multiple trees were blown down on Jordan Springs Road in the Stephens area. Multiple trees were also reported down on Stephenson Road.

AUGUSTA COUNTY --- 0.5 W MT SOLON [38.35, -79.09]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/11/19 14:17 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 14:17 EST | | 0 | Source: State Official |

Multiple trees were blown down in the Mount Solon area. Large tree branches were blown down on Emmanuel Church Road. A tree was also blown down near the 500 block of Towers Road. Another tree was blown down near Staunton and Weyers Cave.

CLARKE COUNTY --- 4.2 S MILLWOOD [39.01, -78.04]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/11/19 14:25 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 14:25 EST | | 0 | Source: Emergency Manager |

A tree was blown down on Manor Road in the area of Ridgewood Lane.

FAUQUIER COUNTY --- 3.5 N MARKHAM [38.95, -78.00]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/11/19 14:33 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 14:33 EST | | 0 | Source: State Official |

Storm Data and Unusual Weather Phenomena - September 2019

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|----------------------|------------------------|------------------------------|
| A tree was blown down in the 2200 block of Leeds Manor Road. | | | | |
| WARREN COUNTY --- 0.7 N KARO [38.88, -78.25] | | | | |
| | 09/11/19 14:35 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 14:35 EST | 0 | | Source: State Official |
| A tree was blown down on Stonewall Jackson Road near Rocky Lane. | | | | |
| FAUQUIER COUNTY --- 1.5 NNW DELAPLANE [38.94, -77.93] | | | | |
| | 09/11/19 14:42 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 14:42 EST | 0 | | Source: State Official |
| A tree was blown down in the 10200 block of Pleasant Vale Road. | | | | |
| RAPPAHANNOCK COUNTY --- 1.8 NE FLINT HILL [38.79, -78.10] | | | | |
| | 09/11/19 14:49 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 14:49 EST | 0 | | Source: State Official |
| Multiple trees were blown down on Zachary Taylor Highway in the Flint Hill area. A tree was also reported down on Hittles Mill Road. | | | | |
| RAPPAHANNOCK COUNTY --- 3.0 NNE BEU VENUE [38.76, -78.06] | | | | |
| | 09/11/19 14:56 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 14:56 EST | 0 | | Source: State Official |
| Multiple trees were blown down on parts of Crest Hill Road. | | | | |
| FAUQUIER COUNTY --- 2.1 S ADA [38.80, -77.92] | | | | |
| | 09/11/19 15:07 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 15:07 EST | 0 | | Source: State Official |
| A tree was blown down in the 5700 block of Wilson Road. | | | | |
| FAUQUIER COUNTY --- 2.1 SSW ORLEAN [38.72, -77.96] | | | | |
| | 09/11/19 15:20 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 15:20 EST | 0 | | Source: State Official |
| A tree was blown down on Citation Drive near Bears Den Road. | | | | |
| FAUQUIER COUNTY --- 1.1 W WARRENTON [38.72, -77.80] | | | | |
| | 09/11/19 15:29 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 15:29 EST | 0 | | Source: State Official |
| Multiple trees were blown down in the area of Courthouse Road and Elk Run Road. | | | | |
| FAUQUIER COUNTY --- 2.1 NW OPAL [38.64, -77.83] | | | | |
| | 09/11/19 15:29 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 15:29 EST | 0 | | Source: State Official |
| A tree was blown down in the 6700 block of Beach Road. Another tree was blown down on Opal Road near Sir Topas Drive. | | | | |
| RAPPAHANNOCK COUNTY --- 0.9 SE LAUREL MILLS [38.64, -78.09] | | | | |
| | 09/11/19 15:29 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 15:29 EST | 0 | | Source: State Official |
| Multiple trees were blown down on Laurel Mills Road. | | | | |
| CULPEPER COUNTY --- 0.5 W BOSTON [38.53, -78.14] | | | | |
| | 09/11/19 15:45 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 15:45 EST | 0 | | Source: State Official |
| A tree was blown down on Slate Mills Road near Sperryville Pike. Another tree was reported down in the 12200 block of Yeawood Drive. | | | | |

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| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|------------------------------|
| FAUQUIER COUNTY --- 2.6 ESE AUBURN [38.68, -77.66] | | | | |
| | 09/11/19 15:50 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 15:50 EST | | 0 | Source: State Official |
| A tree was blown down in the 8800 block of Old Dumfries Road. | | | | |
| ALBEMARLE COUNTY --- 0.7 N CROZET [38.08, -78.70] | | | | |
| | 09/11/19 16:05 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:05 EST | | 0 | Source: State Official |
| A tree was blown down on Crozet Avenue near Ballard Drive. A tree was also blown down in the 2000 block of Lakeside Drive. | | | | |
| MADISON COUNTY --- 1.5 NNW BRIGHTWOOD [38.44, -78.21] | | | | |
| | 09/11/19 16:14 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:14 EST | | 0 | Source: State Official |
| A tree was blown down on Tennant Church Road near Mill Hill Road. | | | | |
| MADISON COUNTY --- 0.9 NW LEON [38.46, -78.16] | | | | |
| | 09/11/19 16:15 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:15 EST | | 0 | Source: State Official |
| Multiple trees were blown down in the area of West Hoover Road and Ridgeview Road. | | | | |
| ALBEMARLE COUNTY --- 1.5 NNE ADVANCE MILLS [38.20, -78.44] | | | | |
| | 09/11/19 16:19 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:19 EST | | 0 | Source: Trained Spotter |
| Trees were blown down in the area of the 6100 block of Advance Mills Road. | | | | |
| ALBEMARLE COUNTY --- 2.8 ESE ADVANCE MILLS [38.17, -78.40] | | | | |
| | 09/11/19 16:24 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:24 EST | | 0 | Source: State Official |
| A tree was blown down in the 4900 block of Seminole Trail. Trees and power lines were also blown down in the 5000 block of Watts Passage Road. | | | | |
| ALBEMARLE COUNTY --- 3.3 ENE RED HILL [37.98, -78.56] | | | | |
| | 09/11/19 16:29 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:29 EST | | 0 | Source: State Official |
| A tree was reported down on Dudley Mountain Road near Poplar Drive. | | | | |
| ALBEMARLE COUNTY --- 2.3 ENE ADVANCE MILLS [38.19, -78.41] | | | | |
| | 09/11/19 16:30 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:30 EST | | 0 | Source: State Official |
| A tree was blown down in the 2600 block of Frays Mill Road. | | | | |
| NELSON COUNTY --- 2.1 NNW FABER [37.86, -78.76] | | | | |
| | 09/11/19 16:41 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:41 EST | | 0 | Source: State Official |
| A tree was blown down on Perkins Hollow Lane near Hickory Creek Road. | | | | |
| STAFFORD COUNTY --- 0.7 N MT JOY STORE [38.49, -77.38] | | | | |
| | 09/11/19 16:43 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:43 EST | | 0 | Source: State Official |
| A tree was blown down on Telegraph Road near Den Rich Road. | | | | |
| ORANGE COUNTY --- 0.9 NW MADISON RUN [38.21, -78.14] | | | | |

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| | 09/11/19 16:48 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 09/11/19 16:48 EST | | 0 | Source: State Official |

A tree was blown down in the 14200 block of James Madison Highway.

In the afternoon hours of September 11th, a weak upper level trough approached the region from the Ohio Valley. This coupled with abundant surface heating led to the development of showers and thunderstorms by the afternoon and evening hours. With ample instability and modest shear, some thunderstorms became locally severe.

ROCKINGHAM COUNTY --- 3.0 SE MELROSE [38.47, -78.76]

| | | |
|--------------------|---|------------------------------|
| 09/28/19 14:00 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/28/19 14:00 EST | 0 | Source: Public |

Large tree limbs were blown down near the Packsaddle Ridge Golf Club.

AUGUSTA COUNTY --- 0.9 SW NEW HOPE [38.19, -78.91]

| | | |
|--------------------|---|------------------------------|
| 09/28/19 14:03 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/28/19 14:03 EST | 0 | Source: State Official |

A tree was blown down near the intersection of VA-608 Battlefield Road and Round Hill School Road.

RAPPAHANNOCK COUNTY --- 1.3 ESE SPERRYVILLE [38.66, -78.23]

| | | |
|--------------------|---|------------------------------|
| 09/28/19 15:34 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/28/19 15:34 EST | 0 | Source: State Official |

Trees were blown down near the 1200 block of Lee Highway, and between Lee Highway and VA-231.

RAPPAHANNOCK COUNTY --- 1.1 E CASTLETON [38.60, -78.10]

| | | |
|--------------------|---|------------------------------|
| 09/28/19 15:42 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/28/19 15:42 EST | 0 | Source: State Official |

A tree was blown down near the 200 block of Castleton Ford Road.

RAPPAHANNOCK COUNTY --- 0.7 N WOODVILLE [38.61, -78.18]

| | | |
|--------------------|---|-------------------------|
| 09/28/19 15:46 EST | 0 | Hail (0.75 in) |
| 09/28/19 15:46 EST | 0 | Source: Trained Spotter |

CULPEPER COUNTY --- 3.3 WNW MONUMENT MILLS [38.61, -78.06]

| | | |
|--------------------|---|------------------------------|
| 09/28/19 15:50 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/28/19 15:50 EST | 0 | Source: State Official |

Three trees were blown down near the 10000 block of Homeland Road. Another tree was blown down onto wires on Egghornsville Road.

RAPPAHANNOCK COUNTY --- 1.8 NE LAUREL MILLS [38.67, -78.08]

| | | |
|--------------------|---|------------------------------|
| 09/28/19 15:50 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/28/19 15:50 EST | 0 | Source: State Official |

A tree was blown down on VA-729 Richmond Road near Aaron Mountain Road.

A trough of surface low pressure developed during the midday hours of September 28th in the lee of the Appalachian crest and with anomalous heat and humidity, and therefore instability, scattered thunderstorms developed. A few thunderstorms became strong to locally severe.

WEST VIRGINIA, East

JEFFERSON COUNTY --- 1.8 WSW MANNINGS [39.22, -77.81]

| | | |
|--------------------|---|------------------------------|
| 09/02/19 14:52 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 09/02/19 14:52 EST | 0 | Source: Trained Spotter |

A tree was blown down in the 700 block of Mount Vista Trail. A couple of other trees were also blown down near the intersection of Mission Road and Mountainside Road.

Storm Data and Unusual Weather Phenomena - September 2019

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

A cold front crossed the region during the afternoon and evening hours at the same as an upper-level disturbance approached the region. A southerly flow out ahead of the boundary brought increased moisture and that combined with heating from sunshine led to unstable conditions by late in the day. Shear also increased late in the day in response to the approaching upper-level disturbance. This combination of instability, forcing, and wind shear led to showers and thunderstorms, one of which became severe.