

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ATLANTIC NORTH</b>				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]</b>				
	06/02/19 17:42 EST	0		Marine Thunderstorm Wind (MG 46 kt)
	06/02/19 17:54 EST	0		Source: Buoy
Wind gusts of up to 46 knots were observed.				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.4 WNW WISCONSIN AVE (GTND2) [38.90, -77.07]</b>				
	06/02/19 17:42 EST	0		Marine Hail (1.00 in)
	06/02/19 17:42 EST	0		Source: Trained Spotter
Quarter-sized hail (1.0" in diameter) was observed.				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- ORIOLE PARK AT CAMDEN YARDS (BLTPC) [39.28, -76.62]</b>				
	06/02/19 17:45 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 17:45 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- HART MILLER ISLAND (HRT) [39.25, -76.37]</b>				
	06/02/19 17:55 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	06/02/19 18:05 EST	0		Source: Buoy
Wind gusts of up to 37 knots were observed.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- (KMTN)MARTIN STATE AIRPORT [39.33, -76.42]</b>				
	06/02/19 18:00 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	06/02/19 18:00 EST	0		Source: Buoy
Wind gusts of up to 40 knots were observed.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- TOLCHESTER MD (TCBM2) [39.32, -76.25]</b>				
	06/02/19 18:06 EST	0		Marine Thunderstorm Wind (MG 44 kt)
	06/02/19 18:18 EST	0		Source: Buoy
Wind gusts of up to 44 knots were observed.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- GUNPOWDER (GUN) [39.36, -76.37]</b>				
	06/02/19 18:09 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 18:09 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- BAYSIDE ES (STVVL) [38.98, -76.31]</b>				
	06/02/19 18:15 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 18:15 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- HERRING BAY (HRB) [38.73, -76.54]</b>				
	06/02/19 18:15 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 18:15 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 8.5 NNE GOOSSES REEF BUOY (44062) [38.67, -76.34]</b>				
	06/02/19 18:30 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	06/02/19 18:40 EST	0		Source: Buoy
Wind gusts of up to 35 knots were observed.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- HAMPSTEAD HILL ACADEMY (BLMH) [39.29, -76.58]</b>				
	06/02/19 18:35 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	06/02/19 18:35 EST		0	Source: Buoy
Wind gusts of up to 41 knots were observed.				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- MARYLAND SCIENCE CENTER (BLMRE) [39.28, -76.61]</b>				
	06/02/19 18:35 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	06/02/19 18:35 EST		0	Source: Buoy
Wind gusts of up to 35 knots were observed.				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- COBB POINT (COB) [38.24, -76.83]</b>				
	06/02/19 18:38 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 18:38 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>EASTERN BAY COUNTY --- 12.7 S US-50 (MD040) [38.79, -76.21]</b>				
	06/02/19 18:42 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	06/02/19 18:42 EST		0	Source: Buoy
Wind gusts of up to 39 knots were observed.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- MID BAY BUOY [38.47, -76.38]</b>				
	06/02/19 18:48 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	06/02/19 19:00 EST		0	Source: Buoy
Wind gusts of up to 39 knots were observed.				
<b>EASTERN BAY COUNTY --- 12.8 S US-50 (MD040) [38.79, -76.21]</b>				
	06/02/19 18:52 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 18:52 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- PATUXENT RIVER ASOS (KNAK) [38.29, -76.41]</b>				
	06/02/19 19:04 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 19:04 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- LOWER HOOPERS ISLAND (HPR) [38.26, -76.18]</b>				
	06/02/19 19:13 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 19:13 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- BISHOPS HEAD (BISM2) [38.22, -76.04]</b>				
	06/02/19 19:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 19:30 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- CAMBRIDGE (CAMM2) [38.57, -76.07]</b>				
	06/02/19 21:05 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/02/19 21:05 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 3.3 WSW BISHOPS HEAD (BISM2) [38.21, -76.10]</b>				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/02/19 22:06 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	06/02/19 22:06 EST		0	Source: Buoy

Wind gusts of up to 36 knots were observed.

### TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POINT LOOKOUT (PTL) [38.04, -76.32]

	06/02/19 22:42 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/02/19 22:42 EST		0	Source: Buoy

Wind gusts of up to 35 knots were observed.

### TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 6.4 W LOWER HOOPERS ISLAND (HPR) [38.25, -76.30]

	06/02/19 22:59 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/02/19 22:59 EST		0	Source: Buoy

Wind gusts of up to 35 knots were observed.

A cold front approached the region during the day of June 2nd, and that combined with broadly falling heights and increasing instability and wind shear, led to the development of scattered strong to locally severe thunderstorms during the afternoon and evening hours.

### TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- ST INGOES (KNUI) [38.13, -76.42]

	06/05/19 14:12 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	06/05/19 14:12 EST		0	Source: Buoy

Wind gusts of up to 36 knots were observed.

### CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- LOWER HOOPERS ISLAND (HPR) [38.26, -76.18]

	06/05/19 14:38 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	06/05/19 14:38 EST		0	Source: Buoy

Wind gusts of up to 34 knots were observed.

### CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- POINT LOOKOUT (PTL) [38.04, -76.32]

	06/05/19 16:02 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/05/19 16:02 EST		0	Source: Buoy

Wind gusts of up to 34 knots were observed.

### TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- BISHOPS HEAD (BISM2) [38.22, -76.04]

	06/05/19 16:42 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/05/19 16:42 EST		0	Source: Buoy

Wind gusts of up to 34 knots were observed.

An upper level trough crossed the region during the day on June 5th. This when combined with modest instability helped to generate showers and thunderstorms during the afternoon which produced gusty winds over the waters.

### TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POTOMAC POINT LOOKOUT BUOY (44042) [38.03, -76.34]

	06/06/19 12:54 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/06/19 13:00 EST		0	Source: Buoy

Wind gusts of up to 35 knots were observed.

An upper level disturbance crossed the region during the morning hours of June 6th which produced an area of showers and some thunderstorms. One was strong enough to generate gusty winds over the waters.

### TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- LEESYLVANIA STATE PARK (LSLVN) [38.67, -77.25]

	06/13/19 16:26 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/13/19 16:26 EST		0	Source: Mesonet

Wind gusts of up to 35 knots were observed.

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.86, -77.03]</b>				
	06/13/19 16:39 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	06/13/19 16:39 EST		0	Source: Mesonet
Wind gusts of up to 36 knots were observed.				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- NATIONALS PARK (WSHNP) [38.87, -77.01]</b>				
	06/13/19 16:44 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/13/19 16:44 EST		0	Source: Mesonet
Wind gusts of up to 34 knots were observed.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- POTOMAC LIGHT 33 (LT3) [38.34, -76.99]</b>				
	06/13/19 16:59 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/13/19 16:59 EST		0	Source: Mesonet
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 8.5 NNE GOOSSES REEF BUOY (44062) [38.67, -76.34]</b>				
	06/13/19 17:56 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	06/13/19 17:56 EST		0	Source: Mesonet
Wind gusts of up to 35 knots were observed.				
<b>A potent upper level trough and associated cold front moved into the region during the daylight hours of June 13th. Instability aided by low heights aloft and warm surface temperatures combined with strong wind shear set the stage for scattered strong to locally severe thunderstorms across the waters during the afternoon and evening hours.</b>				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POTOMAC POINT LOOKOUT BUOY (44042) [38.03, -76.34]</b>				
	06/17/19 16:18 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/17/19 16:18 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.8 NNE POTOMAC LIGHT 33 (LT3) [38.35, -76.98]</b>				
	06/17/19 17:44 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/17/19 17:44 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.9 ESE GREENBERRY POINT (GBY) [38.97, -76.44]</b>				
	06/17/19 18:36 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	06/17/19 18:36 EST		0	Source: Buoy
Wind gusts of up to 39 knots were observed.				
<b>CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- LOWER HOOPERS ISLAND (HPR) [38.26, -76.18]</b>				
	06/17/19 19:37 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/17/19 19:42 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- RACCOON POINT (RAC) [38.14, -75.79]</b>				
	06/17/19 20:19 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	06/17/19 20:19 EST		0	Source: Buoy
Wind gusts of up to 41 knots were observed.				

While large scale forcing was weak across the region on June 17th, a zone of differential heating and a weak lee trough near the Blue Ridge, when combined with local terrain and sea-breeze circulations, were enough to generate scattered thunderstorms across the region during the afternoon and evening hours. Marginal instability and sufficient wind shear promoted the growth of some of these thunderstorms to levels strong enough to produce gusty winds over the waters.

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POTOMAC POINT LOOKOUT BUOY (44042) [38.03, -76.34]</b>				
	06/18/19 18:06 EST		0	Marine Thunderstorm Wind (MG 54 kt)
	06/18/19 18:18 EST		0	Source: Buoy
Wind gusts of up to 54 knots were observed.				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 29.6 WNW COBB POINT (COB) [38.45, -77.30]</b>				
	06/18/19 18:19 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	06/18/19 18:19 EST		0	Source: Buoy
Wind gusts of up to 39 knots were observed.				
<b>CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- PATUXENT RIVER ASOS (KNAK) [38.29, -76.41]</b>				
	06/18/19 18:46 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/18/19 18:46 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 8.4 NNE GOOSSES REEF BUOY (44062) [38.67, -76.33]</b>				
	06/18/19 19:36 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/18/19 19:36 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>Instability and low level moisture in combination with energy moving through the upper levels of the atmosphere generated scattered showers and thunderstorms in the afternoon and evening. A couple of these thunderstorms produced gusty winds over the waters.</b>				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- GREENBERRY POINT (GBY) [38.97, -76.46]</b>				
	06/20/19 13:43 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	06/20/19 13:43 EST		0	Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]</b>				
	06/20/19 16:35 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	06/20/19 16:40 EST		0	Source: Buoy
Wind gusts of up to 40 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- KENT ISLAND (KNT) [38.92, -76.36]</b>				
	06/20/19 16:41 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	06/20/19 16:41 EST		0	Source: Buoy
Wind gusts of up to 39 knots were observed.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- LEESYLVANIA STATE PARK (LSLVN) [38.67, -77.25]</b>				
	06/20/19 17:11 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/20/19 17:11 EST		0	Source: Mesonet
Wind gusts of up to 34 knots were observed.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO (KNYG) [38.51, -77.30]</b>				
	06/20/19 17:24 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	06/20/19 17:24 EST		0	Source: Mesonet
Wind gusts of up to 36 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- KENT ISLAND (KNT) [38.92, -76.36]</b>				
	06/20/19 18:16 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/20/19 18:21 EST		0	Source: Mesonet
Wind gusts of up to 35 knots were observed.				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.5 SSE ANNAPOLIS (KNAK) [38.97, -76.48]</b>				
	06/20/19 18:42 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	06/20/19 18:42 EST	0		Source: Mesonet
Wind gusts of up to 35 knots were observed.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- MID BAY BUOY [38.47, -76.38]</b>				
	06/20/19 19:00 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	06/20/19 19:06 EST	0		Source: Mesonet
Wind gusts of up to 41 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]</b>				
	06/20/19 19:00 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/20/19 19:00 EST	0		Source: Mesonet
Wind gusts of up to 34 knots were observed.				
<b>Scattered showers and thunderstorms developed during the afternoon and evening hours, some of which produced gusty winds across the waters.</b>				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- LEESYLVANIA STATE PARK (LSLVN) [38.67, -77.25]</b>				
	06/27/19 16:46 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	06/27/19 17:11 EST	0		Source: Mesonet
Wind gusts of up to 39 knots were observed.				
<b>Relatively high low level moisture and surface instability combined with local terrain circulations to generate a few pulse thunderstorms during the afternoon and evening hours of June 27th. One of these produced gusty winds over the waters.</b>				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE (BLTM2) [39.27, -76.58]</b>				
	06/28/19 17:54 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	06/28/19 18:12 EST	0		Source: Mesonet
Wind gusts of up to 37 knots were observed.				
<b>While large scale forcing was weak, moderate amounts of instability combined with local terrain circulations and remnant mesoscale boundaries to generate scattered showers and thunderstorms in the afternoon. With steep low level lapse rates, one of these thunderstorms produced gusty winds over the waters.</b>				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- POTOMAC LIGHT 33 (LT3) [38.34, -76.99]</b>				
	06/29/19 13:24 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	06/29/19 13:29 EST	0		Source: Buoy
Wind gusts of up to 40 knots were observed.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 1.0 W POTOMAC LIGHT 33 (LT3) [38.34, -77.01]</b>				
	06/29/19 13:26 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	06/29/19 13:31 EST	0		Source: Buoy
Wind gusts of up to 40 knots were observed.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- BABAR POINT (BAB) [38.31, -77.03]</b>				
	06/29/19 13:31 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/29/19 13:31 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- CUCKOLD CREEK (CCK) [38.31, -76.93]</b>				
	06/29/19 13:36 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	06/29/19 13:41 EST	0		Source: Buoy

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Wind gusts of up to 35 knots were observed.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- MID BAY BUOY [38.47, -76.38]</b>				
	06/29/19 14:12 EST	0		Marine Thunderstorm Wind (MG 51 kt)
	06/29/19 14:12 EST	0		Source: Buoy
Wind gusts of up to 51 knots were observed.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- MID BAY BUOY [38.47, -76.38]</b>				
	06/29/19 14:18 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	06/29/19 14:42 EST	0		Source: Buoy
Wind gusts of up to 40 knots were observed.				
<b>CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- PATUXENT RIVER ASOS (KNAK) [38.29, -76.41]</b>				
	06/29/19 14:38 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	06/29/19 14:38 EST	0		Source: Buoy
Wind gusts of up to 35 knots were observed.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 5.8 W GOOSSES REEF BUOY (44062) [38.57, -76.52]</b>				
	06/29/19 14:39 EST	0		Marine Hail (1.00 in)
	06/29/19 14:39 EST	0		Source: Trained Spotter
Hail up to the size of quarters was reported.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- (KMTN)MARTIN STATE AIRPORT [39.33, -76.42]</b>				
	06/29/19 15:10 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/29/19 15:10 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- HART MILLER ISLAND (HRT) [39.25, -76.37]</b>				
	06/29/19 15:20 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	06/29/19 15:30 EST	0		Source: Buoy
Wind gusts of up to 36 knots were observed.				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE (BLTM2) [39.27, -76.58]</b>				
	06/29/19 15:24 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/29/19 15:24 EST	0		Source: Buoy
Wind gusts of up to 36 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- GREENBERRY POINT (GBY) [38.97, -76.46]</b>				
	06/29/19 15:28 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	06/29/19 15:28 EST	0		Source: Buoy
Wind gusts of up to 36 knots were observed.				
<b>CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- GROVE POINT (GVP) [39.40, -76.04]</b>				
	06/29/19 15:33 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/29/19 15:33 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- TOLCHESTER MD (TCBM2) [39.32, -76.25]</b>				
	06/29/19 15:36 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/29/19 15:36 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				

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<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]</b>				
	06/29/19 15:36 EST	0		Marine Thunderstorm Wind (MG 46 kt)
	06/29/19 15:36 EST	0		Source: Buoy
Wind gusts of up to 46 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- BAYSIDE ES (STVVL) [38.98, -76.31]</b>				
	06/29/19 15:50 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/29/19 15:50 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- BAYSIDE ES (STVVL) [38.98, -76.31]</b>				
	06/29/19 16:05 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	06/29/19 16:05 EST	0		Source: Buoy
Wind gusts of up to 36 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]</b>				
	06/29/19 16:25 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/29/19 16:25 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 1.8 W SHADY SIDE ES (SHADY) [38.84, -76.54]</b>				
	06/29/19 16:32 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	06/29/19 16:32 EST	0		Source: Buoy
Wind gusts of up to 37 knots were observed.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 8.4 NNE GOOSSES REEF BUOY (44062) [38.67, -76.34]</b>				
	06/29/19 16:46 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	06/29/19 16:56 EST	0		Source: Buoy
Wind gusts of up to 36 knots were observed.				
<b>EASTERN BAY COUNTY --- 2.3 ESE US-50 (MD040) [38.96, -76.21]</b>				
	06/29/19 16:46 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/29/19 16:46 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT (TPLM2) [38.90, -76.44]</b>				
	06/29/19 17:00 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/29/19 17:00 EST	0		Source: Buoy
Wind gusts of up to 34 knots were observed.				
<b>CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- CAMBRIDGE (CAMM2) [38.57, -76.07]</b>				
	06/29/19 17:25 EST	0		Marine Thunderstorm Wind (MG 42 kt)
	06/29/19 17:25 EST	0		Source: Buoy
Wind gusts of up to 42 knots were observed.				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- MARYLAND SCIENCE CENTER (BLMRE) [39.28, -76.61]</b>				
	06/29/19 21:50 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	06/29/19 21:50 EST	0		Source: Buoy
Wind gusts of up to 41 knots were observed.				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- ORIOLE PARK AT CAMDEN YARDS (BLTPC) [39.28, -76.62]</b>				



## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/29/19 21:50 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	06/29/19 21:50 EST		0	Source: Buoy

Wind gusts of up to 38 knots were observed.

### TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 17.0 NE SMITH ISLAND (SIS) [38.15, -75.82]

	06/29/19 22:01 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	06/29/19 22:01 EST		0	Source: Buoy

Wind gusts of up to 38 knots were observed.

### PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 6.4 NNE SPARROWS POINT HS (BTMDL) [39.33, -76.39]

	06/29/19 22:47 EST		0	Marine Hail (1.75 in)
	06/29/19 22:47 EST		0	Source: Trained Spotter

Hail up to 1.75 inches in diameter was observed.

Heat and humidity through the day on June 29th led to a moderately unstable air mass by the afternoon. A weak pressure trough developed and heights began to fall by the evening as an upper level ridge broke down. Also late in the evening, a cold front began to approach, increasing forcing across the region. Several rounds of scattered showers and thunderstorms developed from the mid afternoon hours through well past sunset. Some thunderstorms produced gusty winds over the waters.

## DISTRICT OF COLUMBIA

### DISTRICT OF COLUMBIA COUNTY --- GEORGETOWN [38.92, -77.05]

	06/02/19 16:32 EST		0	Hail (1.00 in)
	06/02/19 16:32 EST		0	Source: Trained Spotter

Hail up to the size of quarters (1.0" in diameter) was reported.

### DISTRICT OF COLUMBIA COUNTY --- 0.7 N TENLEYTOWN [38.96, -77.07]

	06/02/19 16:35 EST		0	Hail (1.75 in)
	06/02/19 16:35 EST		0	Source: Trained Spotter

Hail up to the size of golf balls (1.75" in diameter) was reported.

### DISTRICT OF COLUMBIA COUNTY --- TENLEYTOWN [38.95, -77.07]

	06/02/19 16:37 EST		0	Hail (1.25 in)
	06/02/19 16:37 EST		0	Source: Trained Spotter

Hail up to the size of half dollars (1.25" in diameter) was reported.

### DISTRICT OF COLUMBIA COUNTY --- TENLEYTOWN [38.95, -77.07]

	06/02/19 16:40 EST		0	Hail (1.50 in)
	06/02/19 16:40 EST		0	Source: Trained Spotter

Hail up to the size of ping pong balls (1.5" in diameter) was reported.

### DISTRICT OF COLUMBIA COUNTY --- 1.5 SSE GEORGETOWN [38.90, -77.04]

	06/02/19 16:41 EST		0	Hail (1.00 in)
	06/02/19 16:41 EST		0	Source: Other Federal Agency

Hail up to the size of quarters (1.0" in diameter) was reported at the White House.

### DISTRICT OF COLUMBIA COUNTY --- 0.7 N LINCOLN MEMORIAL [38.89, -77.05]

	06/02/19 16:42 EST		0	Hail (1.00 in)
	06/02/19 16:42 EST		0	Source: Public

Hail up to the size of quarters (1.0" in diameter) was reported at the Lincoln Memorial.

A cold front approached the region during the day of June 2nd, and that combined with broadly falling heights and increasing instability

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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and wind shear, led to the development of scattered strong to locally severe thunderstorms during the afternoon and evening hours.

**DISTRICT OF COLUMBIA COUNTY --- 0.7 N TENLEYTOWN [38.96, -77.07]**

06/17/19 15:18 EST	0	Hail (0.88 in)
06/17/19 15:18 EST	0	Source: Trained Spotter

Hail up to the size of nickels (0.88" in diameter) was reported.

**DISTRICT OF COLUMBIA COUNTY --- 1.8 SW BROOKLAND [38.91, -77.02]**

06/17/19 15:25 EST	0	Thunderstorm Wind (EG 50 kt)
06/17/19 15:25 EST	0	Source: State Official

A tree was blown down in the 600 block of Underwood Street.

While large scale forcing was weak across the region on June 17th, a zone of differential heating and a weak lee trough near the Blue Ridge, when combined with local terrain and sea-breeze circulations, were enough to generate scattered thunderstorms across the region during the afternoon and evening hours. Marginal instability and sufficient wind shear promoted the growth of some of these thunderstorms to severe levels.

### MARYLAND, Central

**WASHINGTON COUNTY --- 1.5 NNE INDIAN SPGS [39.67, -77.99]**

06/02/19 14:57 EST	0	Hail (0.75 in)
06/02/19 14:57 EST	0	Source: Trained Spotter

Hail up to the size of dimes (0.75" in diameter) was reported.

**MONTGOMERY COUNTY --- 1.3 ENE POTOMAC [39.03, -77.20]**

06/02/19 16:22 EST	0	Hail (0.88 in)
06/02/19 16:22 EST	0	Source: Public

Hail up to the size of nickels (0.88" in diameter) was reported.

**MONTGOMERY COUNTY --- 0.7 S BETHESDA [38.96, -77.12]**

06/02/19 16:26 EST	0	Hail (1.75 in)
06/02/19 16:26 EST	0	Source: Fire Department/Rescue

Hail up to the size of golf balls (1.75" in diameter) was reported near the Glen Echo Fire Department.

**MONTGOMERY COUNTY --- 0.9 SW FRIENDSHIP HGTS [38.96, -77.09]**

06/02/19 16:26 EST	0	Thunderstorm Wind (EG 50 kt)
06/02/19 16:26 EST	0	Source: Emergency Manager

Tree limbs were blown down on Western Avenue near Fort Bayard Park.

**MONTGOMERY COUNTY --- 1.3 ESE CEDAR GROVE [39.24, -77.21]**

06/02/19 16:27 EST	0	Hail (0.75 in)
06/02/19 16:27 EST	0	Source: Trained Spotter

Hail up to the size of dimes (0.75" in diameter) was reported.

**MONTGOMERY COUNTY --- 0.9 NE DAMASCUS [39.29, -77.19]**

06/02/19 16:40 EST	0	Thunderstorm Wind (EG 50 kt)
06/02/19 16:40 EST	0	Source: Trained Spotter

A tree limb was blown down onto power lines along Howard Chapel Road.

**MONTGOMERY COUNTY --- 1.6 E GLEN [39.05, -77.19]**

06/02/19 16:42 EST	0	Hail (1.00 in)
06/02/19 16:42 EST	0	Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail up to the size of quarters (1.0" in diameter) was reported near Potomac.				
<b>MONTGOMERY COUNTY --- 0.5 W ROCKVILLE [39.08, -77.16]</b>				
	06/02/19 16:45 EST	0		Thunderstorm Wind (EG 50 kt)
	06/02/19 16:45 EST	0		Source: Trained Spotter
A tree was blown down at the intersection of Autumn Wind Way and Rose Petal Way.				
<b>MONTGOMERY COUNTY --- 0.7 N CEDAR GROVE [39.26, -77.23]</b>				
	06/02/19 16:45 EST	0		Hail (2.00 in)
	06/02/19 16:45 EST	0		Source: COOP Observer
Hail up to the size of hen eggs (2.0" in diameter) was reported.				
<b>MONTGOMERY COUNTY --- 0.9 SE PURDUM [39.27, -77.22]</b>				
	06/02/19 16:45 EST	0		Thunderstorm Wind (EG 50 kt)
	06/02/19 16:45 EST	0		Source: Fire Department/Rescue
A tree was blown onto a car in the 25100 block of Ridge Road.				
<b>MONTGOMERY COUNTY --- 1.4 S ROCKVILLE [39.06, -77.15]</b>				
	06/02/19 16:45 EST	0		Hail (1.50 in)
	06/02/19 16:45 EST	0		Source: Trained Spotter
Hail up to the size of ping pong balls (1.50" in diameter) was reported near Rockville.				
<b>MONTGOMERY COUNTY --- 1.8 WNW LAYTONSVILLE [39.23, -77.18]</b>				
	06/02/19 16:45 EST	0		Thunderstorm Wind (EG 50 kt)
	06/02/19 16:45 EST	0		Source: Public
A tree was blown down on MD-124 between Kimblehunt Drive and Goshen School Road.				
<b>MONTGOMERY COUNTY --- 0.5 W LUXMANOR [39.05, -77.13]</b>				
	06/02/19 16:49 EST	0		Hail (0.75 in)
	06/02/19 16:49 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>MONTGOMERY COUNTY --- ROCKVILLE [39.08, -77.15]</b>				
	06/02/19 16:50 EST	0		Hail (1.75 in)
	06/02/19 16:50 EST	0		Source: Public
Hail up to the size of golf balls (1.75" in diameter) was reported near Rockville.				
<b>HARFORD COUNTY --- 1.5 SSE BYNUM [39.55, -76.36]</b>				
	06/02/19 16:51 EST	0		Hail (0.75 in)
	06/02/19 16:51 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>MONTGOMERY COUNTY --- GARRETT PARK ESTATES [39.05, -77.10]</b>				
	06/02/19 16:53 EST	0		Hail (0.75 in)
	06/02/19 16:53 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>HARFORD COUNTY --- 0.9 NW ALDINO ARPT [39.58, -76.21]</b>				
	06/02/19 16:54 EST	0		Hail (0.75 in)
	06/02/19 16:54 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MONTGOMERY COUNTY --- 0.5 E WHEATON HILLS [39.07, -77.04]</b>				
	06/02/19 16:54 EST	0		Hail (1.00 in)
	06/02/19 16:54 EST	0		Source: Trained Spotter
Hail up to the size of quarters (1.0" in diameter) was reported near Glenmont.				
<b>MONTGOMERY COUNTY --- 0.9 NW GLENMONT [39.08, -77.08]</b>				
	06/02/19 16:54 EST	0		Hail (1.00 in)
	06/02/19 16:54 EST	0		Source: Trained Spotter
Hail up to the size of quarters (1.0" in diameter) was reported near Aspen Hill.				
<b>MONTGOMERY COUNTY --- 1.4 NNW LAYHILL [39.10, -77.06]</b>				
	06/02/19 16:54 EST	0		Hail (1.50 in)
	06/02/19 16:54 EST	0		Source: Other Federal Agency
Hail up to the size of ping pong balls (1.5" in diameter) was reported in Aspen Hill.				
<b>MONTGOMERY COUNTY --- 1.5 NNW LAYHILL [39.10, -77.06]</b>				
	06/02/19 16:54 EST	0		Thunderstorm Wind (EG 61 kt)
	06/02/19 16:54 EST	0		Source: Other Federal Agency
Tree limbs and several sections of fence were damaged and blown down. A tree was also blown onto a house in the 2800 block of Big Bear Terrace. Numerous trees were blown down in Aspen Hill, just off of MD-200, with one falling onto a SUV. A tree was also blown onto a house in the 15000 block of Hunter Mountain Lane near Park Vista Drive.				
<b>MONTGOMERY COUNTY --- 1.5 NNW LAYHILL [39.10, -77.06]</b>				
	06/02/19 16:55 EST	0		Hail (1.00 in)
	06/02/19 16:55 EST	0		Source: Trained Spotter
Hail up to the size of quarters (1.0" in diameter) was reported near Norbeck.				
<b>MONTGOMERY COUNTY --- 0.9 NE LAYHILL [39.09, -77.04]</b>				
	06/02/19 16:59 EST	0		Hail (1.00 in)
	06/02/19 16:59 EST	0		Source: CoCoRaHS
Hail up to the size of quarters (1.0" in diameter) was reported in Colesville.				
<b>MONTGOMERY COUNTY --- 0.7 S WHEATON HILLS [39.06, -77.05]</b>				
	06/02/19 17:02 EST	0		Hail (0.88 in)
	06/02/19 17:02 EST	0		Source: Public
Hail up to the size of nickels (0.88" in diameter) was reported.				
<b>HOWARD COUNTY --- 2.1 SSE KNOLLWOOD [39.24, -77.02]</b>				
	06/02/19 17:15 EST	0		Hail (0.75 in)
	06/02/19 17:15 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>HOWARD COUNTY --- 1.6 E SAVAGE [39.13, -76.80]</b>				
	06/02/19 17:20 EST	0		Thunderstorm Wind (EG 50 kt)
	06/02/19 17:20 EST	0		Source: State Official
A tree was blown down in the 10600 block of Guilford Road.				
<b>HOWARD COUNTY --- 1.4 N DORSEY [39.20, -76.75]</b>				
	06/02/19 17:23 EST	0		Thunderstorm Wind (EG 50 kt)
	06/02/19 17:23 EST	0		Source: Trained Spotter
A 5-inch in diameter tree limb was blown down onto private property in Elkridge.				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>HOWARD COUNTY --- 1.8 NW GUILFORD [39.19, -76.85]</b>				
	06/02/19 17:23 EST		0	Thunderstorm Wind (EG 50 kt)
	06/02/19 17:23 EST		0	Source: State Official
A tree was blown down near the intersection of Broken Land Parkway and Cradlerock Way.				
<b>HOWARD COUNTY --- 0.7 S BRINKLEIGH MANOR [39.27, -76.83]</b>				
	06/02/19 17:25 EST		0	Thunderstorm Wind (EG 50 kt)
	06/02/19 17:25 EST		0	Source: State Official
A couple of trees were blown down near the intersection of Stevens Forest Road and Broken Land Parkway.				
<b>ANNE ARUNDEL COUNTY --- 0.9 SE GLEN BURNIE [39.16, -76.62]</b>				
	06/02/19 17:31 EST		0	Thunderstorm Wind (MG 50 kt)
	06/02/19 17:31 EST		0	Source: Trained Spotter
A 50-knot wind gust was measured at a mesonet near Glen Burnie.				
<b>ANNE ARUNDEL COUNTY --- 0.5 W SEVERN [39.13, -76.71]</b>				
	06/02/19 17:36 EST		0	Hail (0.75 in)
	06/02/19 17:36 EST		0	Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>A cold front approached the region during the day of June 2nd, and that combined with broadly falling heights and increasing instability and wind shear, led to the development of scattered strong to locally severe thunderstorms during the afternoon and evening hours.</b>				
<b>WASHINGTON COUNTY --- 0.9 NW LINCOLN AVENUE [39.63, -77.78]</b>				
	06/13/19 15:15 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 15:15 EST		0	Source: State Official
A tree was blown down on Slotler Road. A tree was also blown down on Sharpsburg Pike near Lappans Road.				
<b>FREDERICK COUNTY --- LIBERTYTOWN [39.48, -77.25]</b>				
	06/13/19 16:05 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:05 EST		0	Source: State Official
A tree was blown down on MD-550 at MD-26. A tree was also blown down on Bessie Clemson Road near New Windsor Road.				
<b>FREDERICK COUNTY --- 1.6 E BUCKEYSTOWN [39.33, -77.40]</b>				
	06/13/19 16:14 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:14 EST		0	Source: State Official
A tree was blown down on Baker Valley Road near Fingerboard Road.				
<b>CARROLL COUNTY --- 0.5 W MEDFORD [39.55, -77.06]</b>				
	06/13/19 16:22 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:22 EST		0	Source: State Official
A tree was blown down near the intersection of Medford Road and New Windsor Road.				
<b>CHARLES COUNTY --- 0.5 E GRAYTON [38.42, -77.19]</b>				
	06/13/19 16:34 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:34 EST		0	Source: State Official
A tree was blown down at the intersection of Holly Springs Road and Port Tobacco Road.				
<b>CHARLES COUNTY --- 1.6 E FENWICK [38.65, -77.09]</b>				
	06/13/19 16:36 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:36 EST		0	Source: State Official
Three trees blown down along Fenwick Road.				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>CARROLL COUNTY --- 1.5 NNW PATAPSCO [39.57, -76.91]</b>				
	06/13/19 16:38 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:38 EST		0	Source: State Official
A tree was blown down near the intersection of Raintree Avenue and Neudecker Road, closing the roadway. A tree was also blown down at Carrollton Road and Houcksville Road.				
<b>CHARLES COUNTY --- 0.5 W BRYANS ROAD [38.63, -77.08]</b>				
	06/13/19 16:38 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:38 EST		0	Source: State Official
A tree was blown down near the intersection of Marshall Hall Road and Lantana Road. A tree was also blown down in the 2600 block of Dakota Street.				
<b>CARROLL COUNTY --- 1.7 ESE HOUCKSVILLE [39.57, -76.85]</b>				
	06/13/19 16:43 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:43 EST		0	Source: Amateur Radio
Eight-inch in diameter trees snapped.				
<b>CHARLES COUNTY --- 0.5 E BEL ALTON [38.47, -76.97]</b>				
	06/13/19 16:52 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:52 EST		0	Source: State Official
A tree was blown down at the intersection of Bel Alton-Newtown Road and Mudd Road.				
<b>HARFORD COUNTY --- 2.6 NW ROCKS [39.66, -76.45]</b>				
	06/13/19 17:20 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 17:20 EST		0	Source: State Official
A tree was blown down on wires in the 4300 block of Federal Hill Road. A tree was also blown down on Fawn Grove Road.				
<b>HARFORD COUNTY --- EMMORTON [39.50, -76.32]</b>				
	06/13/19 17:30 EST		0	Thunderstorm Wind (EG 61 kt)
	06/13/19 17:30 EST		0	Source: State Official
A tree was blown down at the intersection of Laurel Bush Road and Point to Point Road. Numerous trees were also blown down along Hunters Run Drive.				
<b>HARFORD COUNTY --- 0.5 E CHURCHVILLE [39.57, -76.24]</b>				
	06/13/19 17:35 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 17:35 EST		0	Source: State Official
A tree was blown down in the 400 block of Glenville Road.				
<b>HARFORD COUNTY --- 0.9 SW LAPIDUM [39.59, -76.14]</b>				
	06/13/19 17:42 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 17:42 EST		0	Source: State Official
A tree was blown down in the 4400 block of Webster Lapidum Drive.				
<b>HARFORD COUNTY --- PERRYMAN [39.47, -76.20]</b>				
	06/13/19 17:45 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 17:45 EST		0	Source: State Official
A tree was blown down on Perryman Road near Spesutia Road. A tree was also blown down along Aldino Stepney Road off of Route 22.				
<b>A potent upper level trough and associated cold front moved into the region during the daylight hours of June 13th. Instability aided by low heights aloft and warm surface temperatures combined with strong wind shear set the stage for scattered strong to locally severe thunderstorms across the region during the afternoon and evening hours.</b>				
<b>MONTGOMERY COUNTY --- 0.5 W ROCK CREEK FOREST [38.98, -77.06]</b>				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/17/19 15:18 EST		0	Hail (0.88 in)
	06/17/19 15:18 EST		0	Source: Public
Hail up to the size of nickels (0.88" in diameter) was reported.				
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<b>HOWARD COUNTY --- 0.9 SE EAST LIOAK [39.22, -76.87]</b>				
	06/17/19 15:33 EST		0	Hail (1.00 in)
	06/17/19 15:33 EST		0	Source: Trained Spotter
Hail up to the size of quarters (1.0" in diameter) was reported.				
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<b>ST. MARY'S COUNTY --- 0.5 W LEONARDTOWN [38.30, -76.64]</b>				
	06/17/19 15:40 EST		0	Hail (1.75 in)
	06/17/19 15:40 EST		0	Source: Trained Spotter
Hail up to the size of golf balls (1.75" in diameter) was reported.				
<hr/>				
<b>ST. MARY'S COUNTY --- 0.7 S LEONARDTOWN [38.29, -76.63]</b>				
	06/17/19 15:41 EST		0	Thunderstorm Wind (EG 50 kt)
	06/17/19 15:41 EST		0	Source: State Official
A tree was down in the 22000 block of Camp Calvert Road.				
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<b>ST. MARY'S COUNTY --- 0.5 W LEONARDTOWN [38.30, -76.64]</b>				
	06/17/19 15:42 EST		0	Hail (0.88 in)
	06/17/19 15:42 EST		0	Source: Trained Spotter
Hail up to the size of nickels (0.88" in diameter) was reported.				
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<b>ST. MARY'S COUNTY --- BEAUVUE [38.25, -76.63]</b>				
	06/17/19 15:48 EST		0	Hail (1.75 in)
	06/17/19 15:48 EST		0	Source: Broadcast Media
Hail up to the size of golf balls (1.75" in diameter) was reported.				
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<b>ST. MARY'S COUNTY --- 0.5 W LEONARDTOWN [38.30, -76.64]</b>				
	06/17/19 15:50 EST		0	Hail (0.75 in)
	06/17/19 15:50 EST		0	Source: Emergency Manager
Hail up to the size of dimes (0.75" in diameter) was reported.				
<hr/>				
<b>ANNE ARUNDEL COUNTY --- 0.5 E DELMONT [39.13, -76.66]</b>				
	06/17/19 15:54 EST		0	Thunderstorm Wind (EG 50 kt)
	06/17/19 15:54 EST		0	Source: State Official
A tree was blown down near the intersection of Stevenson Road and McNelin Way.				
<hr/>				
<b>PRINCE GEORGE'S COUNTY --- 2.1 NW LEELAND [38.89, -76.78]</b>				
	06/17/19 15:55 EST		0	Thunderstorm Wind (EG 61 kt)
	06/17/19 15:55 EST		0	Source: Trained Spotter
Multiple trees were blown down in Kettering along MD-193.				
<hr/>				
<b>ST. MARY'S COUNTY --- 0.9 NW CHINGVILLE [38.24, -76.56]</b>				
	06/17/19 15:55 EST		0	Hail (1.75 in)
	06/17/19 15:55 EST		0	Source: Trained Spotter
Hail up to the size of golf balls (1.75" in diameter) was reported.				
<hr/>				
<b>ST. MARY'S COUNTY --- 1.3 WNW CHINGVILLE [38.24, -76.57]</b>				
	06/17/19 15:55 EST		0	Thunderstorm Wind (EG 61 kt)
	06/17/19 15:55 EST		0	Source: State Official

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Multiple trees were blown down in the 22000 block of Point Lookout Road. Trees and power lines were also blown down in several locations along MD-5.				
<b>ST. MARY'S COUNTY --- 0.9 SW LEXINGTON PARK [38.26, -76.46]</b>				
	06/17/19 16:00 EST	0		Hail (0.88 in)
	06/17/19 16:00 EST	0		Source: Trained Spotter
Hail up to the size of nickels (0.88" in diameter) was reported.				
<b>ANNE ARUNDEL COUNTY --- 0.7 S GREEN HAVEN [39.12, -76.55]</b>				
	06/17/19 16:03 EST	0		Thunderstorm Wind (EG 50 kt)
	06/17/19 16:03 EST	0		Source: State Official
A tree was blown down on Catherine Avenue near Schramms Crossing.				
<b>ST. MARY'S COUNTY --- 0.9 NE GREAT MILLS [38.24, -76.49]</b>				
	06/17/19 16:10 EST	0		Hail (0.88 in)
	06/17/19 16:10 EST	0		Source: Trained Spotter
Hail up to the size of nickels (0.88" in diameter) was reported.				
<b>PRINCE GEORGE'S COUNTY --- 1.6 W ACCOKEEK [38.67, -77.06]</b>				
	06/17/19 16:50 EST	0		Hail (1.75 in)
	06/17/19 16:50 EST	0		Source: Public
Hail up to the size of golf balls (1.75" in diameter) was reported.				
<b>PRINCE GEORGE'S COUNTY --- 1.6 W ACCOKEEK [38.67, -77.06]</b>				
	06/17/19 16:50 EST	0		Thunderstorm Wind (EG 61 kt)
	06/17/19 16:50 EST	0		Source: Public
Several trees and telephone poles and wires were blown down.				
<b>ANNE ARUNDEL COUNTY --- 1.1 W FAIR HAVEN [38.75, -76.59]</b>				
	06/17/19 18:27 EST	0		Thunderstorm Wind (EG 50 kt)
	06/17/19 18:27 EST	0		Source: State Official
A tree was blown down on Solomons Island Road near Jewell Road. A tree was also blown down on Solomons Island Road near Friendship Road.				
<b>While large scale forcing was weak across the region on June 17th, a zone of differential heating and a weak lee trough near the Blue Ridge, when combined with local terrain and sea-breeze circulations, were enough to generate scattered thunderstorms across the region during the afternoon and evening hours. Marginal instability and sufficient wind shear promoted the growth of some of these thunderstorms to severe levels.</b>				
<b>WASHINGTON COUNTY --- 1.1 W STONEBRAKER [39.35, -77.70]</b>				
	06/27/19 15:51 EST	0		Thunderstorm Wind (EG 50 kt)
	06/27/19 15:51 EST	0		Source: Trained Spotter
A tree was blown down onto a driveway on Brown Road.				
<b>Relatively high low level moisture and surface instability combined with local terrain circulations to generate a few pulse severe thunderstorms during the afternoon and evening hours of June 27th.</b>				
<b>BALTIMORE COUNTY --- 0.9 SE LUTZ HILL [39.31, -76.51]</b>				
	06/28/19 14:55 EST	0		Thunderstorm Wind (EG 50 kt)
	06/28/19 14:55 EST	0		Source: State Official
Multiple trees were down in the Rosedale area, including one onto a house.				
<b>PRINCE GEORGE'S COUNTY --- 0.5 W SEAT PLEASANT [38.88, -76.91]</b>				
	06/28/19 16:40 EST	0		Thunderstorm Wind (EG 70 kt)
	06/28/19 16:40 EST	0		Source: Other Federal Agency
Numerous trees were blown down in the Capitol Heights and Suitland area, including several onto houses.				



## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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While large scale forcing was weak, moderate amounts of instability combined with local terrain circulations and remnant mesoscale boundaries to generate scattered showers and thunderstorms in the afternoon. With steep low level lapse rates, a few of these storms became strong to locally severe.

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**ANNE ARUNDEL COUNTY --- 1.3 NNE RUTLAND [38.99, -76.62], 1.2 NNE RUTLAND [38.99, -76.62], 1.1 NNE RUTLAND [38.99, -76.62], 1.2 WNW LUSBY XRDS [38.99, -76.62]**

	06/28/19 18:10 EST	0		Flood (due to Heavy Rain)
	06/28/19 20:10 EST	0		Source: 911 Call Center

A vehicle was trapped in high water near the intersection of Defense Highway and Saint Stephens Road.

An isolated flooding incident occurred in Anne Arundel County due to locally heavy rain.

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**CALVERT COUNTY --- 0.5 E DUNKIRK [38.72, -76.66]**

	06/29/19 14:08 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 14:08 EST	0		Source: State Official

Multiple trees were blown down in the Dunkirk area.

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**CALVERT COUNTY --- BREEZY PT [38.62, -76.52]**

	06/29/19 14:39 EST	0		Hail (1.00 in)
	06/29/19 14:39 EST	0		Source: Trained Spotter

Hail up to the size of quarters (1.0" in diameter) was reported in Dares Beach.

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**CALVERT COUNTY --- 1.8 SE STOAKLEY [38.55, -76.58]**

	06/29/19 14:40 EST	0		Thunderstorm Wind (EG 61 kt)
	06/29/19 14:40 EST	0		Source: Public

Several trees and power lines were blown down near 1100 Dares Beach Road east of Prince Frederick, blocking the road. Several trees were also blown down near MD-402 and Central Village Drive.

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**HARFORD COUNTY --- 1.1 E GIBSON MANOR [39.60, -76.31]**

	06/29/19 14:52 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 14:52 EST	0		Source: Department of Highways

A tree was blown down on US-1 near Forge Hill Road blocking all lanes. Large branches were blown down in the area as well. Two trees were blown down in the 4300 block of Cooper Road. A tree was also blown down onto a car in the 3200 block of US-1.

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**MONTGOMERY COUNTY --- 0.7 N DAMASCUS [39.29, -77.20]**

	06/29/19 15:12 EST	0		Thunderstorm Wind (EG 61 kt)
	06/29/19 15:12 EST	0		Source: Public

Multiple trees were blown down in the Damascus area.

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**HOWARD COUNTY --- 2.5 WSW DAISY [39.28, -77.11]**

	06/29/19 15:18 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 15:18 EST	0		Source: State Official

A tree was blown down on Annapolis Rock Road between Hipsley Mill Road and the Montgomery and Howard County line.

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**BALTIMORE COUNTY --- 0.7 S ST DENIS [39.21, -76.70]**

	06/29/19 15:33 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 15:33 EST	0		Source: State Official

A large tree was blown down near the intersection of Race Road and Furnace Road.

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**HOWARD COUNTY --- 1.3 ESE HIGHLAND [39.17, -76.95]**

	06/29/19 15:40 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 15:40 EST	0		Source: State Official

A tree was blown down on Bucks Haven Lane near Bucks Haven Court.

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ANNE ARUNDEL COUNTY --- 0.7 N EARLEIGH HGTS [39.11, -76.55]</b>				
	06/29/19 15:47 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 15:47 EST	0		Source: State Official
Six trees were blown down, some onto wires, in the Pasadena area.				
<b>PRINCE GEORGE'S COUNTY --- 0.5 W LAUREL [39.10, -76.86]</b>				
	06/29/19 15:55 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 15:55 EST	0		Source: State Official
Tree limbs were blown down onto power lines in the Laurel area.				
<b>PRINCE GEORGE'S COUNTY --- 0.7 N ALEXANDRIA JCT [38.96, -76.93]</b>				
	06/29/19 16:00 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 16:00 EST	0		Source: State Official
Tree limbs were blown down onto power lines in the Riverdale area.				
<b>CALVERT COUNTY --- OWINGS [38.72, -76.60]</b>				
	06/29/19 16:40 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 16:40 EST	0		Source: State Official
Several trees were blown down in the Owings area.				
<b>CALVERT COUNTY --- 0.7 N NORTH BEACH [38.71, -76.53]</b>				
	06/29/19 19:30 EST	0		Thunderstorm Wind (EG 61 kt)
	06/29/19 19:30 EST	0		Source: State Official
Numerous trees were blown down in the North Beach area.				
<b>CALVERT COUNTY --- 0.9 NE SUNDERLAND [38.68, -76.59]</b>				
	06/29/19 19:30 EST	0		Hail (1.00 in)
	06/29/19 19:30 EST	0		Source: Trained Spotter
Hail up to the size of quarters (1.0" in diameter) was reported near Mount Harmony and Chesapeake Beach.				
<b>CALVERT COUNTY --- 0.9 SE BARSTOW [38.52, -76.61]</b>				
	06/29/19 19:49 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 19:49 EST	0		Source: State Official
Several trees were blown down in the Prince Frederick area.				
<b>ALLEGANY COUNTY --- 0.5 E CUMBERLAND [39.65, -78.76]</b>				
	06/29/19 20:05 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 20:05 EST	0		Source: State Official
A tree was blown down near the intersection of East Industrial Boulevard and Winston Street.				
<b>WASHINGTON COUNTY --- 0.7 S WAGNERS XRDS [39.56, -77.65]</b>				
	06/29/19 20:40 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 20:40 EST	0		Source: State Official
A tree was blown down on Mapleville Road south of US-40 National Pike.				
<b>CARROLL COUNTY --- 0.9 SE TANEYTOWN [39.66, -77.17]</b>				
	06/29/19 21:36 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 21:36 EST	0		Source: State Official
Large tree limbs were blown down in the Taneytown area.				
<b>BALTIMORE COUNTY --- 0.5 W BOWLEYS QUARTERS [39.33, -76.38]</b>				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/29/19 22:47 EST		0	Hail (1.75 in)
	06/29/19 22:47 EST		0	Source: Trained Spotter

Hail up to the size of golf balls (1.75" in diameter) was reported. Some vehicles sustained damage.

Heat and humidity through the day on June 29th led to a moderately unstable air mass by the afternoon. A weak pressure trough developed and heights began to fall by the evening as an upper level ridge broke down. Also late in the evening, a cold front began to approach, increasing forcing across the region. Several rounds of scattered showers and thunderstorms developed from the mid afternoon hours through well past sunset. Some thunderstorms became strong to severe.

### VIRGINIA, North

#### ROCKINGHAM COUNTY --- CLOVER HILL [38.45, -79.03]

06/02/19 14:37 EST	0	Hail (0.88 in)
06/02/19 14:37 EST	0	Source: Broadcast Media

Hail up to the size of nickels (0.88" diameter) was reported.

#### FAUQUIER COUNTY --- 1.5 SSE LINDEN [38.88, -78.06]

06/02/19 15:15 EST	0	Hail (1.50 in)
06/02/19 15:15 EST	0	Source: Public

Hail up to the size of ping pong balls (1.50" diameter) was reported.

#### FAUQUIER COUNTY --- 2.3 WSW DELAPLANE [38.91, -77.96]

06/02/19 15:20 EST	0	Hail (1.75 in)
06/02/19 15:20 EST	0	Source: Public

Hail up to the size of golf balls (1.75" diameter) was reported at the Aspen Dale Winery.

#### FAUQUIER COUNTY --- 0.5 W ORLEAN [38.75, -77.96]

06/02/19 15:40 EST	0	Hail (0.88 in)
06/02/19 15:40 EST	0	Source: Trained Spotter

Hail up to the size of nickels (0.88" diameter) was reported.

#### LOUDOUN COUNTY --- 3.3 ENE ASHBURN [39.06, -77.42]

06/02/19 15:42 EST	0	Hail (1.00 in)
06/02/19 15:42 EST	0	Source: Trained Spotter

Hail up to the size of quarters (1.0" diameter) was reported.

#### LOUDOUN COUNTY --- 1.5 NNW BROAD RUN FARMS [39.05, -77.38]

06/02/19 15:46 EST	0	Hail (0.88 in)
06/02/19 15:46 EST	0	Source: Trained Spotter

Hail up to the size of nickels (0.88" diameter) was reported.

#### FAUQUIER COUNTY --- HUME [38.83, -78.00]

06/02/19 15:57 EST	0	Hail (1.00 in)
06/02/19 15:57 EST	0	Source: Public

Hail up to the size of quarters (1.0" diameter) was reported.

#### FAUQUIER COUNTY --- 0.7 N WARRENTON [38.73, -77.78]

06/02/19 16:02 EST	0	Hail (1.00 in)
06/02/19 16:02 EST	0	Source: Public

Hail up to the size of quarters (1.0" diameter) was reported.

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LOUDOUN COUNTY --- 0.9 NW STERLING [39.01, -77.44]</b>				
	06/02/19 16:19 EST		0	Hail (1.00 in)
	06/02/19 16:19 EST		0	Source: Trained Spotter
Hail up to the size of quarters (1.0" diameter) was reported at the Dulles 28 Centre.				
<b>FAIRFAX COUNTY --- 1.3 ENE LANGLEY [38.96, -77.15]</b>				
	06/02/19 16:21 EST		0	Hail (1.00 in)
	06/02/19 16:21 EST		0	Source: Trained Spotter
Hail up to the size of quarters (1.0" diameter) was reported along the George Washington Parkway near Turkey Run Road.				
<b>FAIRFAX COUNTY --- 3.4 NW GREAT FALLS [39.03, -77.32]</b>				
	06/02/19 16:30 EST		0	Hail (1.00 in)
	06/02/19 16:30 EST		0	Source: Trained Spotter
Hail up to the size of quarters (1.0" diameter) was reported.				
<b>FAIRFAX COUNTY --- 1.3 WNW GREAT FALLS [39.01, -77.29]</b>				
	06/02/19 16:31 EST		0	Hail (1.75 in)
	06/02/19 16:31 EST		0	Source: Public
Hail up to the size of golf balls (1.75" diameter) was reported in Great Falls.				
<b>FAUQUIER COUNTY --- 3.2 E AUBURN [38.70, -77.64]</b>				
	06/02/19 16:45 EST		0	Hail (0.75 in)
	06/02/19 16:45 EST		0	Source: Trained Spotter
Hail up to the size of dimes (0.75" diameter) was reported.				
<b>PRINCE WILLIAM COUNTY --- 1.3 WNW BRENTSVILLE [38.69, -77.52]</b>				
	06/02/19 16:45 EST		0	Thunderstorm Wind (EG 61 kt)
	06/02/19 16:45 EST		0	Source: Emergency Manager
A large tree was blown down across Crockett Road at the intersection with Hope Road. Multiple trees were also blown down at the intersection of Izaak Walton Drive and Bristow Road.				
<b>PRINCE WILLIAM COUNTY --- 0.9 SE AGNEWVILLE [38.66, -77.27]</b>				
	06/02/19 17:14 EST		0	Thunderstorm Wind (EG 50 kt)
	06/02/19 17:14 EST		0	Source: State Official
A tree was blown down blocking Horner Road and Summerland Drive.				
<b>PRINCE WILLIAM COUNTY --- 1.3 WSW WOODBRIDGE [38.64, -77.27]</b>				
	06/02/19 17:37 EST		0	Thunderstorm Wind (EG 50 kt)
	06/02/19 17:37 EST		0	Source: Emergency Manager
A tree was blown across Bellona Road at Bel Air Road.				
<b>PRINCE WILLIAM COUNTY --- 0.9 SW NEABSCO [38.59, -77.26]</b>				
	06/02/19 17:47 EST		0	Lightning
	06/02/19 17:47 EST	5	0	Source: Emergency Manager
During a severe thunderstorm at Leesylvania State Park in Prince William County, Virginia, a group of individuals sought shelter under a picnic pavilion. That structure was struck by lightning. One person took a direct lightning strike; 4 others were struck by debris from the pavilion.				
<b>A cold front approached the region during the day of June 2nd, and that combined with broadly falling heights and increasing instability and wind shear, led to the development of scattered strong to locally severe thunderstorms during the afternoon and evening hours.</b>				
<b>CULPEPER COUNTY --- 0.9 NW CORDOVA [38.54, -78.04]</b>				
	06/13/19 15:08 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 15:08 EST		0	Source: State Official

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A tree was blown down near the intersection of Drogheda Mountain Road and Eggbornsville Road. A tree was also blown down in the 8600 block of Rixeyville Road.

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**FAUQUIER COUNTY --- 2.6 ESE NEW BALTIMORE [38.75, -77.68]**

	06/13/19 15:40 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 15:40 EST		0	Source: State Official

A tree was blown down on Kennedy Road. Another tree was also blown down on Greenwich Road.

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**PRINCE WILLIAM COUNTY --- GREENWICH [38.75, -77.65]**

	06/13/19 15:45 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 15:45 EST		0	Source: State Official

A tree was blown down near the intersection of Vint Hill Road and Greenwich Road.

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**LOUDOUN COUNTY --- 1.8 ESE BRITAIN [39.24, -77.65]**

	06/13/19 15:50 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 15:50 EST		0	Source: State Official

A tree was blown down onto Bollington Road near Berlin Turnpike.

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**LOUDOUN COUNTY --- 2.1 NNW TAYLORSTOWN [39.28, -77.59]**

	06/13/19 15:55 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 15:55 EST		0	Source: State Official

A tree was blown down on Lovettsville Road at Taylors Town Road.

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**MANASSAS (C) COUNTY --- 1.1 E MANASSAS [38.75, -77.46]**

	06/13/19 16:01 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:01 EST		0	Source: State Official

A tree was blown down on Prescott Avenue near Center Street.

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**STAFFORD COUNTY --- 3.3 WNW MAUNTS [38.53, -77.44]**

	06/13/19 16:01 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:01 EST		0	Source: Emergency Manager

Scattered trees were blown down blocking roads around the FBI Academy and adjacent portions of northern Stafford County.

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**SPOTSYLVANIA COUNTY --- 1.8 WNW CHANCELLORSVILLE [38.31, -77.66]**

	06/13/19 16:04 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:04 EST		0	Source: State Official

A tree was blown down on Catharpin Road. A tree was also blown down in the 9200 block of Plank Road.

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**STAFFORD COUNTY --- 0.9 SE BERA [38.34, -77.51]**

	06/13/19 16:07 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:07 EST		0	Source: State Official

Trees were blown down in the 200 block of Sanford Drive.

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**PRINCE WILLIAM COUNTY --- 1.3 ENE KEPP [38.59, -77.43]**

	06/13/19 16:10 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:10 EST		0	Source: State Official

A tree was blown down in the 17000 block of Joplin Road. A tree was also blown down at the intersection of Greenmount and Cardinal Drives.

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**PRINCE WILLIAM COUNTY --- 2.3 SSW HOADLY [38.65, -77.39]**

	06/13/19 16:12 EST		0	Thunderstorm Wind (EG 50 kt)
	06/13/19 16:12 EST		0	Source: State Official

A tree was blown down at the intersection of Spriggs Road and Gwendolyn Drive.

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>STAFFORD COUNTY --- 0.5 E BROOKE [38.38, -77.41]</b>				
	06/13/19 16:15 EST	0		Thunderstorm Wind (EG 50 kt)
	06/13/19 16:15 EST	0		Source: State Official
A tree was blown down in the 400 block of Eskimo Hill Road.				
<b>PRINCE WILLIAM COUNTY --- 0.7 S WOODBRIDGE ARPT [38.67, -77.32]</b>				
	06/13/19 16:17 EST	0		Thunderstorm Wind (EG 50 kt)
	06/13/19 16:17 EST	0		Source: State Official
A tree was blown down on Beaver Pond Road near Misty Lane.				
<b>STAFFORD COUNTY --- 0.9 NE STAFFORD [38.43, -77.39]</b>				
	06/13/19 16:19 EST	0		Thunderstorm Wind (EG 50 kt)
	06/13/19 16:19 EST	0		Source: State Official
A tree was blown down on Jason Lane near Greenridge Drive.				
<b>SPOTSYLVANIA COUNTY --- 1.8 NW SUMMIT [38.22, -77.45]</b>				
	06/13/19 16:25 EST	0		Thunderstorm Wind (EG 50 kt)
	06/13/19 16:25 EST	0		Source: State Official
A tree was blown down on Mills Drive near Massaponax Drive.				
<b>A potent upper level trough and associated cold front moved into the region during the daylight hours of June 13th. Instability aided by low heights aloft and warm surface temperatures combined with strong wind shear set the stage for scattered strong to locally severe thunderstorms across the region during the afternoon and evening hours.</b>				
<b>NELSON COUNTY --- 2.3 NNE LOVINGSTON [37.80, -78.86]</b>				
	06/17/19 15:42 EST	0		Thunderstorm Wind (EG 61 kt)
	06/17/19 15:42 EST	0		Source: Broadcast Media
Numerous trees were blown down in the vicinity of Stagebridge Road and Pine Line.				
<b>ALBEMARLE COUNTY --- 3.0 SE FARMINGTON [38.02, -78.51]</b>				
	06/17/19 16:05 EST	0		Thunderstorm Wind (EG 50 kt)
	06/17/19 16:05 EST	0		Source: Broadcast Media
Multiple trees and branches were reported down in the Frys Spring section of Charlottesville.				
<b>ALBEMARLE COUNTY --- 1.8 NE CARTERS BRIDGE [37.92, -78.55]</b>				
	06/17/19 16:09 EST	0		Thunderstorm Wind (EG 50 kt)
	06/17/19 16:09 EST	0		Source: Broadcast Media
A large tree was blown down blocking the road near the intersection of VA-20 and Red Hill Road.				
<b>ALBEMARLE COUNTY --- 2.1 SE FARMINGTON [38.03, -78.52]</b>				
	06/17/19 16:09 EST	0		Hail (0.88 in)
	06/17/19 16:09 EST	0		Source: Broadcast Media
Hail up to the size of nickels (0.88" in diameter) was reported.				
<b>ALBEMARLE COUNTY --- 3.2 SSE FARMINGTON [38.01, -78.52]</b>				
	06/17/19 16:09 EST	0		Hail (0.75 in)
	06/17/19 16:09 EST	0		Source: Broadcast Media
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>ALBEMARLE COUNTY --- 2.3 WNW SIMEON [37.99, -78.49]</b>				
	06/17/19 16:12 EST	0		Hail (0.75 in)
	06/17/19 16:12 EST	0		Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>ALBEMARLE COUNTY --- 3.0 ESE FARMINGTON [38.03, -78.50]</b>				
	06/17/19 16:12 EST		0	Hail (1.00 in)
	06/17/19 16:12 EST		0	Source: Public
Hail up to the size of quarters (1.0" in diameter) was reported in the city of Charlottesville.				
<b>ALBEMARLE COUNTY --- 1.6 W RIO [38.07, -78.50]</b>				
	06/17/19 16:14 EST		0	Thunderstorm Wind (EG 50 kt)
	06/17/19 16:14 EST		0	Source: Broadcast Media
A tree was blown down on Commonwealth Drive.				
<b>FAIRFAX COUNTY --- 0.7 N RAVENSWORTH [38.81, -77.22]</b>				
	06/17/19 18:16 EST		0	Thunderstorm Wind (EG 50 kt)
	06/17/19 18:16 EST		0	Source: State Official
A tree was blown down on Braddock Road near I-495.				
<b>MANASSAS (C) COUNTY --- 1.1 E MANASSAS [38.75, -77.46]</b>				
	06/17/19 18:25 EST		0	Thunderstorm Wind (EG 50 kt)
	06/17/19 18:25 EST		0	Source: State Official
A tree was blown down on Signal Hill Road near Fairview Avenue.				
<b>LOUDOUN COUNTY --- 0.9 SE PURCELLVILLE [39.14, -77.71]</b>				
	06/17/19 20:44 EST		0	Hail (0.75 in)
	06/17/19 20:44 EST		0	Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>While large scale forcing was weak across the region on June 17th, a zone of differential heating and a weak lee trough near the Blue Ridge, when combined with local terrain and sea-breeze circulations, were enough to generate scattered thunderstorms across the region during the afternoon and evening hours. Marginal instability and sufficient wind shear promoted the growth of some of these thunderstorms to severe levels.</b>				
<b>SPOTSYLVANIA COUNTY --- 0.9 SE GATEWOOD [38.07, -77.66]</b>				
	06/18/19 16:30 EST		0	Thunderstorm Wind (EG 61 kt)
	06/18/19 16:30 EST		0	Source: State Official
Three trees were blown down near the intersection of Wallers Road and Partlow Road.				
<b>SPOTSYLVANIA COUNTY --- 0.9 NW MARYE [38.09, -77.59]</b>				
	06/18/19 16:40 EST		0	Thunderstorm Wind (EG 61 kt)
	06/18/19 16:40 EST		0	Source: Trained Spotter
Numerous trees and large tree limbs up to 8 inches in diameter were blown down in the vicinity of Blaydes Corner Road.				
<b>FAUQUIER COUNTY --- 1.1 E ALWINGTON [38.70, -77.76]</b>				
	06/18/19 17:05 EST		0	Thunderstorm Wind (EG 50 kt)
	06/18/19 17:05 EST		0	Source: State Official
A tree was blown down in the 6200 block of Old Auburn Road.				
<b>Instability and low level moisture in combination with energy moving through the upper levels of the atmosphere generated scattered showers and thunderstorms in the afternoon and evening. A couple of these thunderstorms intensified to severe levels.</b>				
<b>PAGE COUNTY --- 0.7 S LEAKSVILLE [38.62, -78.53]</b>				
	06/24/19 14:27 EST		0	Thunderstorm Wind (EG 50 kt)
	06/24/19 14:27 EST		0	Source: State Official
A tree was blown down in the 3600 block of Grove Hill River Road. A tree was also blown down in the 4300 block of Leaksville Road.				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MADISON COUNTY --- 0.5 E DUET [38.48, -78.26]</b>				
	06/24/19 14:36 EST	0		Thunderstorm Wind (EG 50 kt)
	06/24/19 14:36 EST	0		Source: State Official
Several trees were blown down on Duet Road.				
<b>MADISON COUNTY --- 1.8 WNW BRIGHTWOOD [38.43, -78.23]</b>				
	06/24/19 14:41 EST	0		Thunderstorm Wind (EG 50 kt)
	06/24/19 14:41 EST	0		Source: State Official
Several trees were blown down on Hebron Valley Road.				
<b>CULPEPER COUNTY --- 0.4 NNE WHITE SHOP [38.44, -78.07]</b>				
	06/24/19 14:50 EST	0		Thunderstorm Wind (EG 50 kt)
	06/24/19 14:50 EST	0		Source: 911 Call Center
A tree was blown down on White Shop Road near South Merrimac Road.				
<b>MADISON COUNTY --- 1.3 WNW MADISON [38.39, -78.29]</b>				
	06/24/19 14:55 EST	0		Thunderstorm Wind (EG 50 kt)
	06/24/19 14:55 EST	0		Source: State Official
Several trees were blown down on Ruth Road.				
<b>GREENE COUNTY --- 2.1 NW LYDIA [38.35, -78.53]</b>				
	06/24/19 15:01 EST	0		Thunderstorm Wind (EG 50 kt)
	06/24/19 15:01 EST	0		Source: State Official
A tree was blown down on US-33 near the Rockingham/Greene County line.				
<b>SPOTSYLVANIA COUNTY --- 1.8 WNW ALSOP [38.21, -77.68]</b>				
	06/24/19 16:09 EST	0		Thunderstorm Wind (EG 50 kt)
	06/24/19 16:09 EST	0		Source: Emergency Manager
A tree was blown down blocking the road near the intersection of Robert E Lee Drive and Seays Road.				
<b>SPOTSYLVANIA COUNTY --- 0.5 W FOUR MILE FORK [38.25, -77.49]</b>				
	06/24/19 16:33 EST	0		Thunderstorm Wind (EG 50 kt)
	06/24/19 16:33 EST	0		Source: State Official
A tree was blown down on Mine Road near Campbell Drive.				
<p><b>A warm front lifted across the region during the morning hours of June 24th, leading to increasing warmth and instability by the afternoon. At the same time, an upper level trough and surface low tracked through the Great Lakes, with the trailing cold front approaching the region during the afternoon and evening. Showers and thunderstorms developed ahead of the front and crossed the area during the late afternoon and evening hours. There was enough instability and wind shear for some of these thunderstorms to become strong to locally severe.</b></p>				
<b>AUGUSTA COUNTY --- 0.5 E LOFTON [37.95, -79.17]</b>				
	06/27/19 13:35 EST	0		Hail (1.00 in)
	06/27/19 13:35 EST	0		Source: Public
Hail up to the size of quarters (1.0" in diameter) was reported.				
<b>FAIRFAX COUNTY --- SUNSET HILLS [38.95, -77.35]</b>				
	06/27/19 15:52 EST	0		Hail (0.88 in)
	06/27/19 15:52 EST	0		Source: Broadcast Media
Hail up to the size of nickels (0.88" in diameter) was reported.				
<b>FAIRFAX COUNTY --- 2.1 SSW SUNSET HILLS [38.92, -77.36]</b>				



## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/27/19 16:12 EST		0	Thunderstorm Wind (EG 50 kt)
	06/27/19 16:12 EST		0	Source: State Official
A tree was blown down near the intersection of Steeplechase and Riders Roads.				
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<b>CLARKE COUNTY --- 3.0 ENE BERRYVILLE [39.17, -77.92]</b>				
	06/27/19 16:39 EST		0	Thunderstorm Wind (EG 50 kt)
	06/27/19 16:39 EST		0	Source: State Official
Several trees were blown down in the 3100 block of Shepherds Mill Road.				
<hr/>				
<b>CLARKE COUNTY --- 4.3 E BRIGGS [39.09, -77.94]</b>				
	06/27/19 16:56 EST		0	Thunderstorm Wind (EG 50 kt)
	06/27/19 16:56 EST		0	Source: State Official
Several trees were blown down in the 2300 block of River Road.				
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<b>FAIRFAX COUNTY --- 0.7 N LAUREL GROVE [38.78, -77.15]</b>				
	06/27/19 17:01 EST		0	Hail (1.00 in)
	06/27/19 17:01 EST		0	Source: Trained Spotter
Hail up to the size of quarters (1.0" in diameter) was reported.				
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<b>FAIRFAX COUNTY --- 1.4 N ENGLSIDE [38.75, -77.15]</b>				
	06/27/19 17:25 EST		0	Thunderstorm Wind (EG 50 kt)
	06/27/19 17:25 EST		0	Source: State Official
A tree was blown down on Old Telegraph Road near Piney Run Drive.				
<hr/>				
<b>FAUQUIER COUNTY --- 2.1 N HUME [38.86, -78.00]</b>				
	06/27/19 18:07 EST		0	Thunderstorm Wind (EG 50 kt)
	06/27/19 18:07 EST		0	Source: State Official
A tree was blown down near Leeds Manor Road and Stillhouse Road.				
<hr/>				
<b>SHENANDOAH COUNTY --- 0.9 NE DILBECK [38.91, -78.36]</b>				
	06/27/19 18:48 EST		0	Thunderstorm Wind (EG 50 kt)
	06/27/19 18:48 EST		0	Source: State Official
Large tree limbs were blown down blocking Fort Valley Road near Spring Mountain Road.				
Relatively high low level moisture and surface instability combined with local terrain circulations to generate a few pulse severe thunderstorms during the afternoon and evening hours of June 27th.				
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<b>FAIRFAX COUNTY --- 0.7 ESE VALE [38.87, -77.34], 0.8 ESE VALE [38.87, -77.34], 0.8 ESE VALE [38.87, -77.34], 0.7 ESE VALE [38.88, -77.34]</b>				
	06/27/19 17:15 EST		0	Flood (due to Heavy Rain)
	06/27/19 23:15 EST		0	Source: 911 Call Center
Waples Mill Road at Fox Mill road was blocked due to flooding.				
An isolated flooding incident occurred in Fairfax County due to locally heavy rain.				
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<b>NELSON COUNTY --- 1.1 E NELLYSFORD [37.88, -78.86]</b>				
	06/28/19 15:55 EST		0	Thunderstorm Wind (EG 61 kt)
	06/28/19 15:55 EST		0	Source: State Official
Dozens of trees were blown down in the vicinity of US-29 in western Nelson County.				
<hr/>				
<b>NELSON COUNTY --- 0.9 NE ADIAL [37.86, -78.81]</b>				
	06/28/19 16:05 EST		0	Thunderstorm Wind (EG 50 kt)
	06/28/19 16:05 EST		0	Source: Trained Spotter
Several trees were blown down on Old Robert's Road.				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>FREDERICK COUNTY --- 0.5 E STEPHENS CITY [39.08, -78.21]</b>				
	06/28/19 16:35 EST		0	Thunderstorm Wind (EG 61 kt)
	06/28/19 16:35 EST		0	Source: Trained Spotter
Multiple large trees were blown down in the 100 block of Downing Circle. A stop sign was also blown down. Trees were blown down along Harmon Place.				
<b>WARREN COUNTY --- 2.1 S FRONT ROYAL [38.89, -78.18]</b>				
	06/28/19 16:44 EST		0	Thunderstorm Wind (EG 50 kt)
	06/28/19 16:44 EST		0	Source: State Official
Several trees were blown down in the area of Remount Road near Slate Hill Drive.				
<b>ALBEMARLE COUNTY --- 0.6 E SCOTTSVILLE [37.80, -78.49]</b>				
	06/28/19 16:50 EST		0	Thunderstorm Wind (EG 50 kt)
	06/28/19 16:50 EST		0	Source: State Official
A tree was blown down blocking a road in the Scottsville area.				
<b>RAPPAHANNOCK COUNTY --- 1.5 SSE ASHBYS CORNERS [38.61, -78.24]</b>				
	06/28/19 17:10 EST		0	Thunderstorm Wind (EG 50 kt)
	06/28/19 17:10 EST		0	Source: State Official
Several trees were blown down along F.T. Valley Road.				
<b>RAPPAHANNOCK COUNTY --- 1.3 ENE LAUREL MILLS [38.66, -78.08]</b>				
	06/28/19 17:15 EST		0	Thunderstorm Wind (EG 50 kt)
	06/28/19 17:15 EST		0	Source: State Official
Several trees were blown down along Richmond Road.				
<b>RAPPAHANNOCK COUNTY --- SLATE MILLS [38.53, -78.18]</b>				
	06/28/19 17:40 EST		0	Thunderstorm Wind (EG 50 kt)
	06/28/19 17:40 EST		0	Source: State Official
Several trees were blown down in the Slate Mills area.				
<b>FAUQUIER COUNTY --- 2.1 W ADA [38.83, -77.96]</b>				
	06/28/19 17:41 EST		0	Thunderstorm Wind (EG 50 kt)
	06/28/19 17:41 EST		0	Source: State Official
A tree was blown down in the 10600 block of Hume Road.				
<b>MADISON COUNTY --- 1.5 NNW WOLFTOWN [38.37, -78.36]</b>				
	06/28/19 17:55 EST		0	Thunderstorm Wind (EG 50 kt)
	06/28/19 17:55 EST		0	Source: State Official
Several trees and wires were blown down along Garth Run Road.				
<b>While large scale forcing was weak, moderate amounts of instability combined with local terrain circulations and remnant mesoscale boundaries to generate scattered showers and thunderstorms in the afternoon. With steep low level lapse rates, a few of these storms became strong to locally severe.</b>				
<b>FREDERICKSBURG (C) COUNTY --- 0.9 W FREDERICKSBURG [38.30, -77.49]</b>				
	06/29/19 13:40 EST		0	Thunderstorm Wind (EG 61 kt)
	06/29/19 13:40 EST		0	Source: State Official
About a dozen trees and wires were downed by strong winds in the City of Fredericksburg.				
<b>SPOTSYLVANIA COUNTY --- 1.4 N SUMMIT [38.22, -77.43]</b>				
	06/29/19 13:54 EST		0	Thunderstorm Wind (EG 50 kt)
	06/29/19 13:54 EST		0	Source: State Official

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A tree was blown down blocking the road in the 9400 block of Thorton Rolling Road.				
<b>ALBEMARLE COUNTY --- 1.6 E (CHO)CHARLOTTESVILLE [38.15, -78.42]</b>				
	06/29/19 15:00 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 15:00 EST	0		Source: State Official
A tree was blown down near the intersection of Seminole Trail and Lewis and Clark Drive.				
<b>FAIRFAX COUNTY --- BELLE HAVEN [38.78, -77.07]</b>				
	06/29/19 15:12 EST	0		Hail (1.50 in)
	06/29/19 15:12 EST	0		Source: Trained Spotter
Hail, up to the size of ping pong balls (1.5" in diameter), was reported near Hybla Valley and Belle Haven.				
<b>GREENE COUNTY --- 0.5 W STANDARDSVILLE [38.30, -78.44]</b>				
	06/29/19 15:35 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 15:35 EST	0		Source: State Official
A tree was blown down at the intersection of Rosebrook Road and Haneytown Road.				
<b>ORANGE COUNTY --- 0.5 E ORANGE [38.25, -78.11]</b>				
	06/29/19 15:50 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 15:50 EST	0		Source: State Official
A tree was blown down at the intersection of West Main Street and Twyman Street in Orange.				
<b>PRINCE WILLIAM COUNTY --- 0.7 S CANOVA [38.67, -77.43]</b>				
	06/29/19 16:03 EST	0		Thunderstorm Wind (EG 61 kt)
	06/29/19 16:03 EST	0		Source: State Official
Numerous trees were blown down in the Lake Jackson area northwest of Independent Hill.				
<b>SPOTSYLVANIA COUNTY --- 0.5 W LOGAN [38.22, -77.78]</b>				
	06/29/19 16:35 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 16:35 EST	0		Source: State Official
A tree was blown down on power lines on West Catharpin Road near Danielsville Drive.				
<b>FREDERICK COUNTY --- 0.7 N CLEAR BROOK [39.26, -78.10]</b>				
	06/29/19 21:14 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 21:14 EST	0		Source: State Official
Power lines were blown down in Clear Brook.				
<b>LOUDOUN COUNTY --- 1.3 ENE PURCELLVILLE [39.16, -77.70]</b>				
	06/29/19 21:26 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 21:26 EST	0		Source: Trained Spotter
Large tree limbs were blown down on Allden School Road.				
Heat and humidity through the day on June 29th led to a moderately unstable air mass by the afternoon. A weak pressure trough developed and heights began to fall by the evening as an upper level ridge broke down. Also late in the evening, a cold front began to approach, increasing forcing across the region. Several rounds of scattered showers and thunderstorms developed from the mid afternoon hours through well past sunset. Some thunderstorms became strong to severe.				

### WEST VIRGINIA, East

<b>BERKELEY COUNTY --- 1.3 WNW MARTINSBURG [39.46, -77.99]</b>				
	06/02/19 12:50 EST	0		Hail (0.75 in)
	06/02/19 12:50 EST	0		Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>BERKELEY COUNTY --- 0.9 SW BLAIRTON [39.44, -77.93]</b>				
	06/02/19 12:58 EST	0		Hail (1.00 in)
	06/02/19 12:58 EST	0		Source: Trained Spotter
Hail up to the size of quarters (1.0" in diameter) was reported.				
<b>JEFFERSON COUNTY --- 1.3 WSW SHEPHERDSTOWN [39.42, -77.82]</b>				
	06/02/19 13:15 EST	0		Hail (1.00 in)
	06/02/19 13:15 EST	0		Source: Trained Spotter
Hail up to the size of quarters (1.0" in diameter) was reported.				
<b>JEFFERSON COUNTY --- 1.7 WSW SHEPHERDSTOWN [39.42, -77.83]</b>				
	06/02/19 13:15 EST	0		Hail (0.75 in)
	06/02/19 13:15 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>JEFFERSON COUNTY --- 1.7 WSW SHEPHERDSTOWN [39.42, -77.83]</b>				
	06/02/19 13:25 EST	0		Hail (0.75 in)
	06/02/19 13:25 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>BERKELEY COUNTY --- 0.7 N (MRB)SHEPHERD FLD MR [39.41, -77.98]</b>				
	06/02/19 13:29 EST	0		Hail (0.75 in)
	06/02/19 13:29 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>JEFFERSON COUNTY --- 1.8 WNW CHARLES TOWN ARPT [39.33, -77.86]</b>				
	06/02/19 14:00 EST	0		Hail (0.88 in)
	06/02/19 14:00 EST	0		Source: Trained Spotter
Hail up to the size of nickels (0.88" in diameter) was reported.				
<b>JEFFERSON COUNTY --- 0.7 S HARPERS FERRY [39.32, -77.73]</b>				
	06/02/19 14:05 EST	0		Hail (0.75 in)
	06/02/19 14:05 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>JEFFERSON COUNTY --- 0.5 W HARPERS FERRY [39.33, -77.74]</b>				
	06/02/19 14:06 EST	0		Hail (1.00 in)
	06/02/19 14:06 EST	0		Source: Trained Spotter
Hail up to the size of quarters (1.0" in diameter) was reported in Harpers Ferry.				
<b>MINERAL COUNTY --- 0.9 NW KEYSER [39.44, -78.99]</b>				
	06/02/19 15:04 EST	0		Hail (0.75 in)
	06/02/19 15:04 EST	0		Source: Trained Spotter
Hail up to the size of dimes (0.75" in diameter) was reported.				
<b>A cold front approached the region during the day of June 2nd, and that combined with broadly falling heights and increasing instability and wind shear, led to the development of scattered strong to locally severe thunderstorms during the afternoon hours.</b>				
<b>BERKELEY COUNTY --- 0.9 SE ARDEN [39.41, -78.04]</b>				
	06/27/19 15:06 EST	0		Thunderstorm Wind (MG 53 kt)
	06/27/19 15:06 EST	0		Source: State Official

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A wind gust to 53 knots (61 mph) was measured at Martinsburg Airport (KMRB). A tree was blown down onto a house on Pumphouse Lane.				
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<b>BERKELEY COUNTY --- 0.5 E DARKESVILLE [39.37, -78.02]</b>	06/27/19 15:21 EST	0		Thunderstorm Wind (EG 50 kt)
	06/27/19 15:21 EST	0		Source: State Official
A tree was blown down onto wires in the 700 block of Hatchery Road.				
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<b>JEFFERSON COUNTY --- 1.9 N LEETOWN [39.38, -77.93]</b>	06/27/19 15:30 EST	0		Thunderstorm Wind (EG 50 kt)
	06/27/19 15:30 EST	0		Source: Law Enforcement
Tree limbs were blown down blocking Mount Zion Road near Paynes Ford Road.				
<hr/>				
<b>JEFFERSON COUNTY --- 0.5 W CHARLES TOWN [39.30, -77.86]</b>	06/27/19 15:53 EST	0		Thunderstorm Wind (EG 61 kt)
	06/27/19 15:53 EST	0		Source: State Official
Numerous trees and wires were blown down in Ranson.				
<b>Relatively high low level moisture and surface instability combined with local terrain circulations to generate a few pulse severe thunderstorms during the afternoon and evening hours of June 27th.</b>				
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<b>MORGAN COUNTY --- JOHNSONS MILL [39.57, -78.20]</b>	06/29/19 15:43 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 15:43 EST	0		Source: State Official
A tree was blown down in the 4500 block of Johnson's Mill Road.				
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<b>BERKELEY COUNTY --- 2.1 SW VANCELEVESVILLE [39.41, -77.93]</b>	06/29/19 16:12 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 16:12 EST	0		Source: State Official
A tree was blown down in the 1500 block of Opequon Lane.				
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<b>JEFFERSON COUNTY --- 0.5 W CHARLES TOWN ARPT [39.32, -77.84]</b>	06/29/19 16:27 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 16:27 EST	0		Source: State Official
A tree was blown down near the intersection of Oak Lee Drive and Jack Rabbit Lane. Power lines were also blown down in the 1500 block of Flowing Springs Road.				
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<b>BERKELEY COUNTY --- 2.1 S (MRB)SHEPHERD FLD MR [39.37, -77.98]</b>	06/29/19 20:40 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 20:40 EST	0		Source: State Official
A tree was blown down in the 900 block of Madenbousch Lane.				
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<b>JEFFERSON COUNTY --- 0.5 W SHEPHERDSTOWN [39.43, -77.81]</b>	06/29/19 20:44 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 20:44 EST	0		Source: State Official
Multiple trees were blown down in the Shepherdstown area.				
<hr/>				
<b>JEFFERSON COUNTY --- 0.9 NW KEARNEYSVILLE [39.39, -77.89]</b>	06/29/19 20:45 EST	0		Thunderstorm Wind (EG 50 kt)
	06/29/19 20:45 EST	0		Source: State Official
Multiple trees were blown down in the Kearneysville area.				
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<b>JEFFERSON COUNTY --- 0.5 W CHARLES TOWN [39.30, -77.86]</b>				

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/29/19 21:00 EST		0	Thunderstorm Wind (EG 61 kt)
	06/29/19 21:00 EST		0	Source: State Official

Numerous trees were blown down in the Ranson area.

<b>MINERAL COUNTY --- 0.7 N BURLINGTON [39.34, -78.92]</b>				
	06/29/19 21:40 EST		0	Thunderstorm Wind (EG 50 kt)
	06/29/19 21:40 EST		0	Source: State Official

Multiple trees were blown down in the Burlington area.

<b>HARDY COUNTY --- 1.8 ENE FLATS [39.19, -78.95]</b>				
	06/29/19 22:15 EST		0	Thunderstorm Wind (EG 50 kt)
	06/29/19 22:15 EST		0	Source: State Official

A tree was blown down in the 1000 block of J.C. Markwood Road.

<b>GRANT COUNTY --- WILLIAMSPORT [39.20, -79.03]</b>				
	06/29/19 22:20 EST		0	Thunderstorm Wind (EG 61 kt)
	06/29/19 22:20 EST		0	Source: State Official

Numerous trees were blown down along Patterson Creek Road.

Heat and humidity through the day on June 29th led to a moderately unstable air mass by the afternoon. A weak pressure trough developed and heights began to fall by the evening as an upper level ridge broke down. Also late in the evening, a cold front began to approach, increasing forcing across the region. Several rounds of scattered showers and thunderstorms developed from the mid afternoon hours through well past sunset. Some thunderstorms became strong to severe.

<b>GRANT COUNTY --- STEBY [39.08, -79.23], 0.8 N STEBY [39.09, -79.23], 0.9 NNW STEBY [39.09, -79.24], 0.6 W STEBY [39.08, -79.24]</b>				
	06/30/19 01:30 EST		0	Flood (due to Heavy Rain)
	06/30/19 08:30 EST		0	Source: 911 Call Center

Six inches of water were over the road.

<b>GRANT COUNTY --- 0.7 NNW GORMANIA [39.29, -79.35], 1.9 NE GORMANIA [39.30, -79.33], 2.6 NE GORMANIA [39.30, -79.31], 1.7 ENE GORMANIA [39.29, -79.32]</b>				
	06/30/19 02:21 EST		0	Flash Flood (due to Heavy Rain)
	06/30/19 04:45 EST		0	Source: River/Stream Gage

The gauge at Steyer along the North Branch Potomac rapidly rose above flood stage. At flood stage of 9 feet, water begins to cover a portion of Althouse Mill Road near Bayard.

<b>GRANT COUNTY --- 1.0 NNE GORMANIA [39.29, -79.35], 0.9 NNE GORMANIA [39.29, -79.35], 0.9 NNE GORMANIA [39.29, -79.34], 1.0 NNE GORMANIA [39.29, -79.34]</b>				
	06/30/19 02:54 EST		0	Flash Flood (due to Heavy Rain)
	06/30/19 04:30 EST		0	Source: 911 Call Center

A water rescue was underway for a home surrounded by water near the Gas and Go.

<b>GRANT COUNTY --- 1.0 WSW GORMANIA [39.27, -79.37], 0.8 WSW GORMANIA [39.27, -79.36], 0.8 SW GORMANIA [39.27, -79.36], 1.1 WSW GORMANIA [39.27, -79.37]</b>				
	06/30/19 02:58 EST		0	Flash Flood (due to Heavy Rain)
	06/30/19 04:30 EST		0	Source: 911 Call Center

Two feet of water were reported across the road near the Post Office in Bayard.

<b>GRANT COUNTY --- 0.9 NNE GORMANIA [39.29, -79.34], 0.5 E GORMANIA [39.28, -79.34], 1.3 SW GORMANIA [39.27, -79.37], 1.2 WSW GORMANIA [39.28, -79.37]</b>				
	06/30/19 03:04 EST		0	Flash Flood (due to Heavy Rain)
	06/30/19 04:30 EST		0	Source: 911 Call Center

Several locations between Bayard and Gormaniam along Route 90 were impassable due to high water.

## Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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**GRANT COUNTY --- 1.1 WSW GORMANIA [39.27, -79.37], 0.7 SW GORMANIA [39.27, -79.36], 0.2 SSW GORMANIA [39.28, -79.35], 0.3 N GORMANIA [39.28, -79.35], 0.5 WNW GORMANIA [39.28, -79.36]**

	06/30/19 03:20 EST	0	Flash Flood (due to Heavy Rain)
	06/30/19 04:45 EST	0	Source: 911 Call Center

Water flooded several homes near the River due to rapidly rising water along the North Branch Potomac at Steyer. The water level surpassed major flood stage of 13 feet at 4:45 AM EST. Althouse Mill Road was also flooded near Bayard.

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**PENDLETON COUNTY --- 0.1 S ONEGO [38.85, -79.42], 0.6 N MOUTH OF SENECA [38.84, -79.37], 0.1 SSW MOUTH OF SENECA [38.83, -79.37], 0.8 SW ONEGO [38.84, -79.43]**

	06/30/19 04:00 EST	0	Flash Flood (due to Heavy Rain)
	06/30/19 05:30 EST	0	Source: 911 Call Center

Route 33 between Onego and Seneca Rocks was flooded due to rapidly rising water along Seneca Creek. Low lying houses along the creek were evacuated.

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**GRANT COUNTY --- 1.1 WSW GORMANIA [39.27, -79.37], 0.4 SE GORMANIA [39.28, -79.34], 1.4 NE GORMANIA [39.29, -79.33], 1.1 NNE GORMANIA [39.30, -79.35], 0.6 NNW GORMANIA [39.29, -79.36]**

	06/30/19 04:45 EST	0	Flood (due to Heavy Rain)
	06/30/19 09:04 EST	0	Source: 911 Call Center

The water level along the North Branch Potomac River at Steyer remained above flood stage until mid-morning. Several homes around Bayard were flooded and Althouse Mill Road was also flooded.

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**PENDLETON COUNTY --- 0.5 W MOUTH OF SENECA [38.83, -79.38], 0.5 ESE MOUTH OF SENECA [38.83, -79.36], 1.3 NNE MOUTH OF SENECA [38.85, -79.36], 1.4 NW MOUTH OF SENECA [38.85, -79.39]**

	06/30/19 08:17 EST	0	Flood (due to Heavy Rain)
	06/30/19 10:17 EST	0	Source: 911 Call Center

Several Roads were closed in Seneca Rocks.

**Showers and thunderstorms trained over the same area as they developed along a cold front just to the north. The training convection led to heavy amounts of rain in a short period of time for areas near the Appalachian Mountains in West Virginia. The heavy amounts of rain caused creeks and streams to rapidly rise out of their banks.**