

## Storm Data and Unusual Weather Phenomena - December 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### ATLANTIC NORTH

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#### TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO (KNYG) [38.51, -77.30]

12/24/20 16:12 EST	0	Marine Thunderstorm Wind (EG 34 kt)
12/24/20 16:12 EST	0	Source: ASOS

A thunderstorm produced an estimated wind gust of 34 knots near Quantico Marine Base.

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#### CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT (TPLM2) [38.90, -76.44]

12/24/20 18:55 EST	0	Marine Thunderstorm Wind (MG 54 kt)
12/24/20 19:00 EST	0	Source: Buoy

Wind gusts of up to 54 knots (62 MPH) were measured by a buoy near Thomas Point.

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#### TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- CRISFIELD CG (CRS) [37.97, -75.88]

12/24/20 21:10 EST	0	Marine Thunderstorm Wind (MG 53 kt)
12/24/20 21:10 EST	0	Source: Buoy

A wind gust of 53 knots (61 MPH) was measured by a buoy near Crisfield.

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#### TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- RACCOON POINT (RAC) [38.14, -75.79]

12/24/20 21:16 EST	0	Marine Thunderstorm Wind (MG 51 kt)
12/24/20 21:21 EST	0	Source: Buoy

Wind gusts up to 51 knots (59 MPH) were measured by a buoy near Raccoon Point.

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#### TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- LEWISSETTA (LWS) [38.00, -76.47]

12/25/20 00:00 EST	0	Marine Thunderstorm Wind (MG 48 kt)
12/25/20 00:00 EST	0	Source: Buoy

A wind gust of 48 knots (55 MPH) was measured by a buoy near Lewisetta.

**A strong cold front produced several rounds of convection that resulted in high wind over the waters.**

### DISTRICT OF COLUMBIA

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#### DISTRICT OF COLUMBIA COUNTY --- 1.3 SW WALTER REED [38.97, -77.05], 1.2 SW WALTER REED [38.97, -77.05], 0.8 SW WALTER REED [38.97, -77.04], 0.6 WSW WALTER REED [38.98, -77.04], 1.0 SW WALTER REED [38.97, -77.04]

12/25/20 02:20 EST	0	Flood (due to Heavy Rain)
12/25/20 06:22 EST	0	Source: River/Stream Gage

The stream gage in Rock Creek Park in northern D.C. reached flood stage during the specified time frame, reaching a peak stream level of 7.21 feet at 4:45 AM EST. At 7 feet, water reaches several portions of the Valley Trail between Picnic Areas 7 and 10 in Rock Creek Park.

**A strong cold front pushed through the area during the evening Dec 24th. An area of low pressure formed along this front and slid across the region. This brought some heavy showers to the region, and even a few isolated thunderstorms. Several instances of flooding resulted from this event.**

### MARYLAND, Central

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#### (MD-Z001) GARRETT

12/01/20 00:00 EST	0	Winter Storm
12/02/20 02:00 EST	0	

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#### (MD-Z501) EXTREME WESTERN ALLEGANY

## Storm Data and Unusual Weather Phenomena - December 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/01/20 00:00 EST		0	Winter Weather
	12/02/20 00:00 EST		0	

Strong low pressure slowly tracked northward from upstate New York into southeastern Canada. Plenty of moisture wrapped around the low along with colder air from Canada. As the cold and moist air flowed over the mountains, this triggered a prolonged period of snow for locations near the Allegheny Front in western Maryland.

**PRINCE GEORGE'S COUNTY --- 0.5 S UPPER MARLBORO [38.81, -76.75], 0.5 SE UPPER MARLBORO [38.81, -76.75], 0.3 ENE UPPER MARLBORO [38.82, -76.74], 0.2 ENE UPPER MARLBORO [38.82, -76.75], 0.4 SSW UPPER MARLBORO [38.81, -76.75]**

12/01/20 00:00 EST	0	Flood (due to Heavy Rain)
12/01/20 15:37 EST	0	Source: River/Stream Gage

The stream gage on the Western Branch Potomac River near Upper Marlboro reached flood stage during the specified timeframe, reaching a peak stream level of 13.13 feet at 3:15 AM EST. At 12 feet, much of Race Track Road floods between Marlboro Pike and the community center.

A strong area of low pressure moved directly overhead Nov 30th, bringing some strong thunderstorms across the region. This led to a few isolated instances of flooding around the area the next day in some of the slower reacting river basins.

**ST. MARY'S COUNTY --- 0.9 SSE GREAT MILLS [38.22, -76.49], 1.1 SE GREAT MILLS [38.22, -76.49], 0.7 ENE GREAT MILLS [38.23, -76.49], 0.9 N GREAT MILLS [38.24, -76.50], 1.9 NNE CALLAWAY [38.26, -76.51], 1.0 NNW GREAT MILLS [38.24, -76.51]**

12/05/20 03:22 EST	0	Flood (due to Heavy Rain)
12/05/20 15:18 EST	0	Source: River/Stream Gage

The stream gage on the St. Mary's River near Great Mills rose above flood stage during the specified timeframe, reaching a peak stream level of 8.63 feet at 9:30 AM EST. At 8 feet, Indian Bridge Road begins to flood as flooding becomes more widespread in Great Mills.

**PRINCE GEORGE'S COUNTY --- 0.5 S UPPER MARLBORO [38.81, -76.75], 0.5 SSE UPPER MARLBORO [38.81, -76.75], 0.3 ENE UPPER MARLBORO [38.82, -76.74], 0.2 ENE UPPER MARLBORO [38.82, -76.75], 0.4 SSW UPPER MARLBORO [38.81, -76.75]**

12/05/20 13:08 EST	0	Flood (due to Heavy Rain)
12/06/20 09:03 EST	0	Source: River/Stream Gage

The stream gage on the Western Branch Potomac River near Upper Marlboro reached flood stage during the specified timeframe, reaching a peak stream level of 11.56 feet at 4:00 PM EST. At 11 feet, the Water Street bridge in Upper Marlboro is completely covered by water. At 12 feet, much of Race Track Road floods between Marlboro Pike and the community center.

A deepening surface low pressure passed by to the south of the region on 12/5, bringing a steady, soaking rainfall to portions of MD.

**(MD-Z001) GARRETT, (MD-Z004) FREDERICK**

12/13/20 23:00 EST	0	Winter Weather
12/14/20 15:00 EST	0	

Low pressure passed by to the south while high pressure was located to the north. There was enough cold air for some snow near the Mason-Dixon Line.

**(MD-Z001) GARRETT, (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (MD-Z507) NORTHWEST HARFORD**

12/16/20 09:00 EST	0	Winter Storm
12/17/20 00:00 EST	0	

**(MD-Z008) CECIL, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z508) SOUTHEAST HARFORD**

12/16/20 09:00 EST	0	Winter Weather
12/17/20 00:00 EST	0	

Low pressure tracked into the Ohio Valley before transferring its energy to a coastal low along the Mid-Atlantic Coast. The coastal low intensified as it moved to the northeast. At the same time, high pressure was located to the north. Therefore, significant wintry precipitation fell across the area in the form of snow, sleet, and freezing rain. Snowfall amounts averaged around 6 to 12 inches west of Interstate 95 with 2 to 4 inches around Interstate 95. Freezing rain also occurred with around tenth to a quarter inch of ice from near the Catoctin Mountains to near Interstate 95.

**ST. MARY'S COUNTY --- 0.7 ENE GREAT MILLS [38.23, -76.49], 0.8 ESE GREAT MILLS [38.22, -76.49], 0.4 SE GREAT MILLS [38.23, -76.49], 0.2 ENE GREAT MILLS [38.23, -76.50], 0.4 N GREAT MILLS [38.24, -76.50], 0.5 NNE GREAT MILLS [38.24, -76.50]**

## Storm Data and Unusual Weather Phenomena - December 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/16/20 22:42 EST		0	Flood (due to Heavy Rain)
	12/17/20 00:51 EST		0	Source: River/Stream Gage

The stream gage on the St. Mary's River near Great Mills rose above flood stage during the specified timeframe, reaching a peak stream level of 6.13 feet at 11:45 PM EST. At 6 feet, Flat Iron Road begins to flood with water in some yards in Great Mills.

Low pressure tracked into the Ohio Valley before transferring its energy to a coastal low along the Mid-Atlantic Coast. The coastal low intensified as it moved to the northeast. At the same time, high pressure was located to the north. Therefore, significant wintry precipitation fell across the area in the form of snow, sleet, and freezing rain. Snowfall amounts averaged around 6 to 12 inches west of Interstate 95 with 2 to 4 inches around Interstate 95. Freezing rain also occurred with around tenth to a quarter inch of ice from near the Catoctin Mountains to near Interstate 95. This also led to some isolated instances of flooding in MD. Isolated river flooding then continued into the next day.

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### (MD-Z001) GARRETT

12/21/20 19:00 EST	0	Winter Storm
12/22/20 08:00 EST	0	

A cold flow along with moisture from the Great Lakes rose over the mountains, causing snow to develop for locations along and west of the Allegheny Front.

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### (MD-Z001) GARRETT

12/24/20 21:00 EST	0	Winter Weather
12/25/20 12:00 EST	0	

Rain changed to snow behind a cold front before drier air eventually caused precipitation to end.

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### CARROLL COUNTY --- 1.2 NNE BRIDGEPORT [39.70, -77.21], 1.5 SSW HARNEY [39.70, -77.21], 1.5 SW HARNEY [39.70, -77.22], 1.5 N BRIDGEPORT [39.70, -77.22], 1.2 N BRIDGEPORT [39.70, -77.22]

12/24/20 21:25 EST	0	Flood (due to Heavy Rain)
12/25/20 08:24 EST	0	Source: River/Stream Gage

The stream gauge on the Monocacy River near Bridgeport indicated the river rose above flood stage during the specified timeframe, reaching a peak stream level of 13.65 feet. At 13 feet, Baptist Road near Bridgeport begins to flood.

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### BALTIMORE COUNTY --- 0.8 NW GLENCOE [39.56, -76.64], 0.7 NW GLENCOE [39.56, -76.64], 0.3 WSW GLENCOE [39.55, -76.63], 0.5 SW GLENCOE [39.55, -76.64]

12/25/20 01:06 EST	0	Flood (due to Heavy Rain)
12/25/20 10:11 EST	0	Source: River/Stream Gage

The stream gage on Big Gunpowder Falls near Glencoe, MD, rose above flood stage during the specified time, reaching a max flood stage of 8.96 feet at 05:40 AM EST. At 9 feet Sparks Road begins to flood.

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### HOWARD COUNTY --- 3.3 ENE ELKRIDGE [39.23, -76.66], 3.2 ENE ELKRIDGE [39.23, -76.66], 2.3 E ELKRIDGE [39.22, -76.68], 0.8 ESE ELKRIDGE [39.21, -76.71], 0.3 NNE ELKRIDGE [39.22, -76.72]

12/25/20 02:04 EST	0	Flood (due to Heavy Rain)
12/25/20 08:26 EST	0	Source: River/Stream Gage

The stream gage on the Patuxent River in Elkridge rose above flood stage during the specified timeframe, reaching a peak stream level of 17.11 feet. At 16 feet, Hammonds Ferry Road floods and is closed at the Patapsco River. Backwater flooding likely also leads to the closure of Furnace Avenue in Elkridge.

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### HOWARD COUNTY --- 1.1 W GUILFORD [39.17, -76.85], 0.6 WSW GUILFORD [39.17, -76.84], 1.1 S GUILFORD [39.15, -76.83], 1.4 N SAVAGE [39.15, -76.83], 1.4 N SAVAGE [39.15, -76.83]

12/25/20 02:51 EST	0	Flood (due to Heavy Rain)
12/25/20 08:12 EST	0	Source: River/Stream Gage

The stream gage on the Little Patuxent River in Savage rose above flood stage during the specified timeframe, reaching a peak stream level of 10.72 feet. At 10 feet, riverside trails begin to flood. Water also approaches fields off Bald Eagle Drive, and approach Brock Bridge Road.

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### WASHINGTON COUNTY --- 27.5 ESE BELLE GROVE [39.60, -77.83], 28.1 ESE BELLE GROVE [39.60, -77.82], 28.2 E BELLE GROVE [39.62, -77.81], 27.7 E BELLE GROVE [39.64, -77.82], 26.0 E BELLE GROVE [39.65, -77.85], 25.8 E BELLE GROVE [39.63, -77.85]

12/25/20 04:51 EST	0	Flood (due to Heavy Rain)
12/26/20 05:40 EST	0	Source: River/Stream Gage

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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The stream gage on Conococheague Creek at Fairview, north of Williamsport, reached flood stage during the specified timeframe, reaching a peak stream level of 11.96 feet at 4:15 PM EST. At 12 feet, water approaches homes north of Williamsport. Some homes and a campground will also be cut off from access due to flooded roads, but the homes themselves are not flooded.

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**FREDERICK COUNTY --- 0.9 SW CERESVILLE [39.44, -77.38], 0.8 SW CERESVILLE [39.44, -77.38], 0.7 WSW CERESVILLE [39.44, -77.38], 0.8 WSW CERESVILLE [39.44, -77.38]**

12/25/20 06:41 EST	0	Flood (due to Heavy Rain)
12/25/20 21:26 EST	0	Source: River/Stream Gage

The stream gage on the Monocacy River near Frederick (FRRM2) rose above flood stage during the specified timeframe, reaching a peak stream level of 19.5 feet at 2:00 PM EST.

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**FREDERICK COUNTY --- 0.9 SW CERESVILLE [39.44, -77.38], 1.3 SSE CERESVILLE [39.43, -77.36], 0.6 SE PEARL [39.39, -77.36], 1.1 SSW REELS MILL [39.35, -77.39], 1.4 NNE PARK MILLS [39.32, -77.41], 1.4 SSW PARK MILLS [39.28, -77.43], 1.9 WSW PARK MILLS [39.29, -77.45], 1.6 ENE PLEASANT VIEW [39.29, -77.47]**

12/25/20 15:54 EST	0	Flood (due to Heavy Rain)
12/25/20 23:54 EST	0	Source: River/Stream Gage

The stream gage on the Monocacy River near Frederick (FDKM2) rose above flood stage during the specified timeframe, reaching a peak stream level of 16.6 feet at 5:30 PM EST. At 16 feet, much of Pinecliff Park and Rivermist Park in Frederick are flooded. Buckeystown Community Park is also flooded with water approaching the parking lot. Waters are also approaching the Frederick city wastewater treatment plant and the Ballenger Creek wastewater treatment plant. Significant backwater flooding is occurring. Several roads will be closed along the river and adjoining creeks.

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**MONTGOMERY COUNTY --- 56.7 SE LITTLE ORLEANS [39.16, -77.51], 56.2 SE LITTLE ORLEANS [39.16, -77.52], 57.1 SE LITTLE ORLEANS [39.14, -77.52], 58.3 SE LITTLE ORLEANS [39.12, -77.51], 60.5 SE LITTLE ORLEANS [39.10, -77.48], 60.8 SE LITTLE ORLEANS [39.10, -77.47]**

12/26/20 03:25 EST	0	Flood (due to Heavy Rain)
12/26/20 13:52 EST	0	Source: River/Stream Gage

The stream gage on the Potomac River at Edward's Ferry rose above flood stage during the specified timeframe, reaching a peak stream level of 15.25 feet at 7:45 AM EST. At 15 feet, water reaches the boat ramp and lower parking area at Edwards Ferry, and begins to inundate areas near Whites Ferry.

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**Cecil County --- 0.7 ENE LAPIDUM [39.60, -76.12], 1.1 ENE LAPIDUM [39.61, -76.11], 1.1 E CASTLETON [39.67, -76.15], 0.6 SSE CASTLETON [39.66, -76.17], 2.1 NNW LAPIDUM [39.63, -76.15]**

12/26/20 16:36 EST	0	Flood (due to Heavy Rain)
12/27/20 03:55 EST	0	Source: River/Stream Gage

The stream gage on the Susquehanna River at Conowingo Dam rose above flood stage during the specified timeframe, reaching a max stream level of 24.27 feet. At 23.7 feet, minor flooding begins in the town of Port Deposit, Maryland. At 24.8 feet, backyards and basements on Main Street and Tome's Landing begin to flood.

**A strong cold front pushed through the area during the evening Dec 24th. An area of low pressure formed along this front and slid across the region. This brought some heavy showers to the region, and even a few isolated thunderstorms. Several instances of flooding resulted from this event. There were then a few large stem rivers that crept up to flood stage in the couple of days following the main event.**

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**(MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL**

12/25/20 00:02 EST	0	Coastal Flood
12/25/20 05:18 EST	0	

**A strong cold front approached the region on the night of December 24th, before sweeping through on the 25th. Onshore flow ahead of this front lead to some instances of moderate coastal flooding along the Chesapeake Bay.**

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**(MD-Z001) GARRETT**

12/25/20 18:00 EST	0	Cold/Wind Chill
12/26/20 09:00 EST	0	

**A cold northwest wind behind a cold front caused wind chills to drop to between 10 and 20 degrees below zero along and west of the Allegheny Front.**

### VIRGINIA, North

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**(VA-Z503) WESTERN HIGHLAND**

## Storm Data and Unusual Weather Phenomena - December 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/13/20 23:00 EST		0	Winter Storm
	12/14/20 12:00 EST		0	

Low pressure passed by to the south while high pressure was located to the north. Snow developed, and it was enhanced by an upslope component to the low-level flow.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z505) WESTERN LOUDOUN, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

12/16/20 09:00 EST	0	Winter Storm
12/17/20 00:00 EST	0	

(VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z506) EASTERN LOUDOUN

12/16/20 09:00 EST	0	Winter Weather
12/17/20 00:00 EST	0	

Low pressure tracked into the Ohio Valley before transferring its energy to a coastal low along the Mid-Atlantic Coast. The coastal low intensified as it moved to the northeast. At the same time, high pressure was located to the north. Therefore, significant wintry precipitation fell across the area in the form of snow, sleet, and freezing rain. Snowfall amounts averaged around 6 to 12 inches near and west of the Blue Ridge Mountains with 2 to 4 inches west of Interstate 95. Freezing rain also occurred with around a quarter to one-half inch of ice near the Blue Ridge Mountains in northern and central Virginia and ice amounts around a tenth of an inch just west of Interstate 95.

FAIRFAX COUNTY --- 0.5 ENE CROWELLS CORNER [38.95, -77.29], 0.5 ENE CROWELLS CORNER [38.95, -77.29], 0.6 ENE CROWELLS CORNER [38.95, -77.29], 0.6 NE CROWELLS CORNER [38.95, -77.29]

12/16/20 21:38 EST	0	Flood (due to Heavy Rain)
12/17/20 00:28 EST	0	Source: River/Stream Gage

The stream gage on Difficult Run at Wolf Trap, VA. rose above flood stage during the specified time, reaching a max flood stage of 195.19 feet at 11:25 PM EST.

Low pressure tracked into the Ohio Valley before transferring its energy to a coastal low along the Mid-Atlantic Coast. The coastal low intensified as it moved to the northeast. At the same time, high pressure was located to the north. Therefore, significant wintry precipitation fell across the area in the form of snow, sleet, and freezing rain. Snowfall amounts averaged around 6 to 12 inches west of Interstate 95 with 2 to 4 inches around Interstate 95. Freezing rain also occurred with around tenth to a quarter inch of ice from near the Catocin Mountains to near Interstate 95. This also lead to some isolated instances of flooding in VA. Isolated river flooding then continued into the next day.

FAIRFAX COUNTY --- 7.1 N FAIRFAX [38.95, -77.29], 7.2 N FAIRFAX [38.95, -77.29], 7.2 N FAIRFAX [38.95, -77.29], 7.1 N FAIRFAX [38.95, -77.29]

12/24/20 13:46 EST	0	Flood (due to Heavy Rain)
12/24/20 15:49 EST	0	Source: River/Stream Gage

The stream gage on Difficult Run at Wolf Trap, VA. rose above flood stage during the specified time, reaching a max flood stage of 195.13 feet at 2:50 PM EST.

ALBEMARLE COUNTY --- 3.7 N IVY [38.10, -78.59], 3.6 N IVY [38.10, -78.59], 3.6 N IVY [38.10, -78.59], 3.7 N IVY [38.10, -78.59]

12/24/20 16:14 EST	0	Flood (due to Heavy Rain)
12/24/20 21:01 EST	0	Source: River/Stream Gage

The stream gage on the Mechums River in White Hall, VA. rose above flood stage during the specified time, reaching a max flood stage of 12.17 feet at 6:30 PM EST. At 11 feet, water reaches the yard of a home on Free Union Road.

FAIRFAX COUNTY --- 1.0 WSW TREMONT [38.85, -77.24], 1.0 WSW TREMONT [38.85, -77.24], 1.0 WSW TREMONT [38.85, -77.24], 1.0 WSW TREMONT [38.85, -77.24]

12/24/20 17:42 EST	0	Flood (due to Heavy Rain)
12/24/20 20:15 EST	0	Source: River/Stream Gage

The stream gage on Accotink Creek at Strathmeade Springs, VA. rose above flood stage during the specified time, reaching a max flood stage of 252.62 feet at 6:50 PM EST.

MADISON COUNTY --- 2.0 E LOCUST DALE [38.33, -78.09], 1.9 E LOCUST DALE [38.32, -78.10], 1.8 ESE LOCUST DALE [38.32, -78.10], 1.9 ESE LOCUST DALE [38.32, -78.10], 2.0 E LOCUST DALE [38.32, -78.09], 2.1 E LOCUST DALE [38.33, -78.09]

## Storm Data and Unusual Weather Phenomena - December 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/24/20 17:45 EST		0	Flood (due to Heavy Rain)
	12/25/20 08:31 EST		0	Source: River/Stream Gage

The stream gage on the Robinson River near Locust Dale rose above flood stage during the specified timeframe, reaching a peak stream level of 14.47 feet. At 14 feet multiple spots on Route 721 are flooded, along with other nearby low lying land. Access may be affected for residents.

FAIRFAX COUNTY --- 7.1 N FAIRFAX [38.95, -77.29], 7.2 N FAIRFAX [38.95, -77.29], 7.2 N FAIRFAX [38.95, -77.29], 7.1 N FAIRFAX [38.95, -77.29]				
	12/24/20 18:29 EST		0	Flood (due to Heavy Rain)
	12/24/20 23:46 EST		0	Source: River/Stream Gage

The stream gage on Difficult Run at Wolf Trap, VA. rose above flood stage during the specified time, reaching a max flood stage of 195.61 feet at 9:40 PM EST.

PRINCE WILLIAM COUNTY --- 1.2 ENE KEPP [38.59, -77.43], 1.3 ENE KEPP [38.59, -77.43], 1.3 ENE KEPP [38.59, -77.43], 1.3 ENE KEPP [38.59, -77.43]				
	12/24/20 19:58 EST		0	Flood (due to Heavy Rain)
	12/24/20 21:40 EST		0	Source: River/Stream Gage

The stream gage on South Fork Quantico Creek at Independent Hill, VA reached flood stage during the specified time period, with a peak of 9.16feet at 9:15 PM EST. At 9 feet, water approaches Joplin Road /Route 619/ at the creek.

CULPEPER COUNTY --- 0.6 N RIXEYVILLE [38.59, -77.97], 0.6 NNE RIXEYVILLE [38.59, -77.97], 1.5 NNE RIXEYVILLE [38.60, -77.96], 1.4 NNE RIXEYVILLE [38.60, -77.96]				
	12/24/20 21:03 EST		0	Flood (due to Heavy Rain)
	12/25/20 06:26 EST		0	Source: River/Stream Gage

The stream gage on the Hazel River near Rixeyville, VA rose above flood stage during the specified timeframe, reaching a peak stream level of 18.08 feet. At 18 feet Ryland Chapel Road begins to flood.

PRINCE WILLIAM COUNTY --- 2.2 SW WELLINGTON [38.76, -77.58], 2.2 SW WELLINGTON [38.76, -77.58], 2.0 SW WELLINGTON [38.76, -77.58], 2.1 WSW WELLINGTON [38.76, -77.58]				
	12/24/20 21:26 EST		0	Flood (due to Heavy Rain)
	12/25/20 07:43 EST		0	Source: River/Stream Gage

The stream gage on Broad Run near Bristow, VA reached flood stage during the specified timeframe, reaching a peak stream level of 13.75 feet at 3:25 AM EST. At 9.5 feet Piper Lane is flooded near Manassas Airport. Trails near the stream are also flooded. At 16 feet water would begin to approach backyards in the Kingsbrooke neighborhood.

PRINCE WILLIAM COUNTY --- 1.9 NW YORKSHIRE [38.80, -77.45], 1.9 NNW YORKSHIRE [38.80, -77.45], 2.0 NNW YORKSHIRE [38.80, -77.45], 1.9 NNW YORKSHIRE [38.80, -77.45]				
	12/24/20 23:24 EST		0	Flood (due to Heavy Rain)
	12/25/20 18:36 EST		0	Source: River/Stream Gage

The stream gage on Bull Run at Manassas Park, VA rose above flood stage during the specified timeframe, reaching a peak stream level of 15.79 feet at 10:05 AM EST. At 15 feet backyards are flooded along Lake Drive in Manassas, along with much of the Bull Run trail system.

PRINCE WILLIAM COUNTY --- 2.9 SSW ADEN [38.61, -77.55], 2.7 SSW ADEN [38.61, -77.55], 2.5 SSW ADEN [38.62, -77.55], 2.5 SW ADEN [38.62, -77.56]				
	12/25/20 00:20 EST		0	Flood (due to Heavy Rain)
	12/25/20 17:20 EST		0	Source: River/Stream Gage

The stream gage on Cedar Run near Aden, VA rose above flood stage during the specified timeframe, reaching a peak stream level of 11.37 feet at 8:21 AM EST. At 10 feet Fleetwood Road floods near Cedar Run.

FAIRFAX COUNTY --- 7.1 N FAIRFAX [38.95, -77.29], 7.2 N FAIRFAX [38.95, -77.29], 7.2 N FAIRFAX [38.95, -77.29], 7.1 N FAIRFAX [38.95, -77.29]				
	12/25/20 00:42 EST		0	Flood (due to Heavy Rain)
	12/25/20 08:18 EST		0	Source: River/Stream Gage

The stream gage on Difficult Run at Wolf Trap, VA. rose above flood stage during the specified time, reaching a max flood stage of 195.49 feet at 4:05 AM EST.

FAIRFAX COUNTY --- 1.0 WSW TREMONT [38.85, -77.24], 1.0 WSW TREMONT [38.85, -77.24], 1.0 WSW TREMONT [38.85, -77.24], 1.0 WSW TREMONT [38.85, -77.24]				
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## Storm Data and Unusual Weather Phenomena - December 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/25/20 00:51 EST		0	Flood (due to Heavy Rain)
	12/25/20 01:45 EST		0	Source: River/Stream Gage

The stream gage on Accotink Creek at Strathmeade Springs, VA. rose above flood stage during the specified time, reaching a max flood stage of 251.74 feet at 1:10 AM EST.

**ORANGE COUNTY --- 2.6 WSW RACCOON FORD [38.36, -77.98], 1.8 E BUENA [38.35, -78.00], 1.3 SSE BUENA [38.33, -78.02], 1.6 SE BUENA [38.33, -78.01], 2.4 E BUENA [38.35, -77.99], 2.9 E BUENA [38.35, -77.98], 2.6 WSW RACCOON FORD [38.35, -77.97], 2.2 WSW RACCOON FORD [38.36, -77.97]**

	12/25/20 01:11 EST		0	Flood (due to Heavy Rain)
	12/25/20 12:01 EST		0	Source: River/Stream Gage

The stream gage on the Rapidan River near Culpeper indicated that flooding occurred during the specified timeframe, with a peak stream level of 14.1 feet at 7:00 AM EST. At 14 feet, River Road on the Orange County side of the Rapidan River is flooded in a few spots, and pastureland is flooded on both sides of the river. Other low lying roads near the river are also beginning to flood, and access to homes may become limited. No structures are affected at this level.

**FAUQUIER COUNTY --- 1.2 W REMINGTON [38.53, -77.82], 1.1 W REMINGTON [38.53, -77.82], 0.6 W REMINGTON [38.53, -77.81], 0.6 W REMINGTON [38.53, -77.81], 1.0 WSW REMINGTON [38.53, -77.82]**

	12/25/20 01:28 EST		0	Flood (due to Heavy Rain)
	12/25/20 22:05 EST		0	Source: River/Stream Gage

The stream gage on the Rappahannock River at Reminton rose above flood stage during the specified timeframe, reaching a max stream level of 17.05 feet. At 15 feet, Tin Pot Run Road and Sumerduck Road near Remington are flooded. At 18 feet, water approaches homes south of Remington and covers the parking area at the Kellys Ford boat ramp.

**PRINCE WILLIAM COUNTY --- 1.2 ENE KEPP [38.59, -77.43], 1.3 ENE KEPP [38.59, -77.43], 1.3 ENE KEPP [38.59, -77.43], 1.3 ENE KEPP [38.59, -77.43]**

	12/25/20 02:01 EST		0	Flood (due to Heavy Rain)
	12/25/20 03:58 EST		0	Source: River/Stream Gage

The stream gage on South Fork Quantico Creek at Independent Hill, VA reached flood stage during the specified time period, with a peak of 9.16feet at 3:15 AM EST. At 9 feet, water approaches Joplin Road /Route 619/ at the creek.

**SHENANDOAH COUNTY --- 2.2 SE MEEMS [38.70, -78.64], 2.3 SE MEEMS [38.70, -78.64], 2.5 E QUICKSBURG [38.69, -78.63], 2.2 E QUICKSBURG [38.68, -78.64], 2.1 ENE QUICKSBURG [38.69, -78.64]**

	12/25/20 02:30 EST		0	Flood (due to Heavy Rain)
	12/25/20 08:00 EST		0	Source: River/Stream Gage

The stream gage on Smith Creek near New Market rose above flood stage during the specified timeframe, reaching a peak stream level of 8.0 feet at 5:30 AM EST. At 8 feet, fields near the creek are flooded. Water also reaches Route 826.

**A strong cold front pushed through the area during the evening Dec 24th. An area of low pressure formed along this front and slid across the region. This brought some heavy showers to the region, and even a few isolated thunderstorms. Several instances of flooding resulted from this event.**

**(VA-Z503) WESTERN HIGHLAND**

	12/25/20 18:00 EST		0	Cold/Wind Chill
	12/26/20 09:00 EST		0	

**A cold northwest wind behind a cold front caused wind chills to drop to between 10 and 20 degrees below zero along and west of the Allegheny Front.**

### WEST VIRGINIA, East

**(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON**

	12/01/20 00:00 EST		0	Winter Storm
	12/02/20 02:00 EST		0	

**(WV-Z503) WESTERN MINERAL**

	12/01/20 00:00 EST		0	Winter Weather
	12/02/20 00:00 EST		0	

**Strong low pressure slowly tracked northward from upstate New York into southeastern Canada. Plenty of moisture wrapped around**

## Storm Data and Unusual Weather Phenomena - December 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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the low along with colder air from Canada. As the cold and moist air flowed over the mountains, this triggered a prolonged period of snow for locations near the Allegheny Front in West Virginia.

**(WV-Z501) WESTERN GRANT**

	12/13/20 23:00 EST		0	Winter Storm
	12/14/20 12:00 EST		0	

Low pressure passed by to the south while high pressure was located to the north. Snow developed, and it was enhanced by an upslope component to the low-level flow.

**(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON**

	12/16/20 09:00 EST		0	Winter Storm
	12/17/20 00:00 EST		0	

Low pressure tracked into the Ohio Valley before transferring its energy to a coastal low along the Mid-Atlantic Coast. The coastal low intensified as it moved to the northeast. At the same time, high pressure was located to the north. Therefore, significant wintry precipitation fell across the area in the form of snow, sleet, and freezing rain. Snowfall amounts averaged around 6 to 12 inches and freezing rain amounts around a tenth to a quarter inch were observed near the Blue Ridge Mountains.

**(WV-Z505) WESTERN PENDLETON**

	12/21/20 19:00 EST		0	Winter Storm
	12/22/20 08:00 EST		0	

A cold flow along with moisture from the Great Lakes rose over the mountains, causing snow to develop for locations along and west of the Allegheny Front.

**PENDLETON COUNTY --- 0.4 S BRANDYWINE [38.61, -79.25], 1.3 S BRANDYWINE [38.60, -79.25], 1.2 SSE BRANDYWINE [38.60, -79.25], 0.5 SSE BRANDYWINE [38.61, -79.25]**

	12/24/20 11:02 EST		0	Flood (due to Heavy Rain)
	12/25/20 02:41 EST		0	Source: River/Stream Gage

The stream gage on the South Branch Potomac River near Franklin rose above flood stage during the specified timeframe, reaching a peak stream level of 7.45 feet at 12:45 AM EST. At 7 feet, a low spot on Dickenson Mountain Road (Route 220/12) 300 feet downstream from the bridge begins to flood. At 8 feet, the Franklin city park begins to flood.

**JEFFERSON COUNTY --- 1.8 NW LEETOWN [39.37, -77.96], 2.0 NW LEETOWN [39.37, -77.96], 1.9 NW LEETOWN [39.37, -77.95], 1.8 NNW LEETOWN [39.37, -77.94], 1.7 NNW LEETOWN [39.37, -77.94], 1.5 NNW LEETOWN [39.37, -77.94]**

	12/25/20 04:20 EST		0	Flood (due to Heavy Rain)
	12/25/20 20:16 EST		0	Source: River/Stream Gage

The stream gage on Opequon Creek near Martinsburg rose above flood stage during the specified timeframe, reaching a peak stream level of 11.16 feet. At 11 feet, water begins to cover backyards of homes on Bowers Road (County Road 1/1). Douglas Grove Road (County Road 9/16) is flooded and impassible. Water also approaches Golf Course Road (County Road 36) and Grapevine Road (County Road 9/14).

**JEFFERSON COUNTY --- 0.4 NE BLOOMERY [39.25, -77.81], 0.5 NNE SUMMIT PT [39.26, -77.78], 1.6 N SUMMIT PT [39.27, -77.78], 1.5 NNW SUMMIT PT [39.27, -77.79], 0.7 N BLOOMERY [39.26, -77.82]**

	12/25/20 20:22 EST		0	Flood (due to Heavy Rain)
	12/26/20 22:30 EST		0	Source: River/Stream Gage

The stream gage on the Shenandoah River near Milville rose above flood stage during the specified timeframe, reaching a peak stream level of 11.33 feet at 7:30 AM EST. At 1 feet, A small portion of Wilt Road (County Road 9/8) begins to flood. Water also begins to flow over Millville Dam.

A strong cold front pushed through the area during the evening Dec 24th. An area of low pressure formed along this front and slid across the region. This brought some heavy showers to the region, and even a few isolated thunderstorms. Several instances of flooding resulted from this event. There were then a few large stem rivers that crept up to flood stage in the couple of days following the main event.

**(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON**

	12/25/20 18:00 EST		0	Cold/Wind Chill
	12/26/20 09:00 EST		0	



## Storm Data and Unusual Weather Phenomena - December 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A cold northwest wind behind a cold front caused wind chills to drop to between 10 and 20 degrees below zero along and west of the Allegheny Front.