

## Storm Data and Unusual Weather Phenomena - March 2010

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

#### TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 11.2 NE QUANTICO [38.60, -77.15]

	03/22/10 16:03 EST	0	0	Marine Hail (0.75 in)
	03/22/10 16:03 EST	0	0	Source: Trained Spotter

Penny size hail was reported near Indian Head.

An upper-level low over the Ohio Valley provided plenty of cold air aloft while a southerly flow ahead of this system ushered in warm and moist air from the south at the surface. The combination of the warm low-levels and the colder air aloft provided enough instability for showers and thunderstorms to develop. An isolated thunderstorm did produce large hail.

#### TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.2 NE (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.04]

	03/25/10 19:28 EST	0	0	Marine Thunderstorm Wind (MG 45 kt)
	03/25/10 19:28 EST	0	0	Source: ASOS

A wind gust of 45 knots was measured at Reagan National Airport.

#### TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.2 NE (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.04]

	03/25/10 19:52 EST	0	0	Marine Thunderstorm Wind (EG 34 kt)
	03/25/10 19:52 EST	0	0	Source: ASOS

A wind gust in excess of 30 knots was measured at Reagan National.

#### TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.2 NE (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.04]

	03/25/10 20:40 EST	0	0	Marine Thunderstorm Wind (EG 34 kt)
	03/25/10 20:40 EST	0	0	Source: ASOS

A wind gust in excess of 30 knots was measured at Reagan National.

A cold front approached the waters on the afternoon and evening hours of the 25th. A southerly flow ahead of the cold front provided enough moisture and instability for showers and thunderstorms to develop. Isolated thunderstorms produced gusty winds in the upper Tidal Potomac.

### DISTRICT OF COLUMBIA

#### (DC-Z001) DISTRICT OF COLUMBIA

	03/13/10 13:12 EST	0	0	Coastal Flood
	03/13/10 13:12 EST	0	0	

A persistent onshore flow developed around high pressure over New England and low pressure moving up the Mid-Atlantic coast on the 13th. Heavy rain from the low pressure system caused elevated river levels during this time. The combination of fresh water piling up in the Potomac River along with the onshore flow caused coastal flooding along the Tidal Potomac River in Washington D.C.

### MARYLAND, Central

#### ALLEGANY COUNTY --- 1.1 E ALLEGANY [39.67, -78.88], 0.5 SE ALLEGANY [39.66, -78.89], 0.6 N ALLEGANY [39.68, -78.90], 0.8 NNE ALLEGANY [39.68, -78.89]

	03/13/10 10:00 EST	0	0	Flood (due to Heavy Rain)
	03/13/10 17:00 EST	0	0	Source: Fire Department/Rescue

Route 36 was flooded in several locations by Jennings Run, particularly along Parkersburg Road. Rain gauge in the area observed 1.12 inches of precipitation.

#### FREDERICK COUNTY --- 1.3 ENE FOXVILLE [39.64, -77.48], 2.0 E FOXVILLE [39.63, -77.46], 1.9 E FOXVILLE [39.63, -77.46], 1.2 E FOXVILLE [39.63, -77.48]

## Storm Data and Unusual Weather Phenomena - March 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/13/10 10:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 17:15 EST		0	Source: Emergency Manager

Maryland Route 77 near Cunningham Falls was closed due to flooding. A rain gauge in the area measured 3.78 inches.

**BALTIMORE COUNTY --- 0.4 W STEMMERS RUN [39.33, -76.48], 0.1 WSW STEMMERS RUN [39.33, -76.47], 0.2 SW STEMMERS RUN [39.33, -76.47], 0.4 W STEMMERS RUN [39.33, -76.48]**

	03/13/10 11:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 18:15 EST		0	Source: Emergency Manager

Flooding on Golden Ring Road at the intersections of Orems Road and Race Road.

**BALTIMORE COUNTY --- 0.6 SW OELLA [39.26, -76.79], 1.4 SE OELLA [39.25, -76.77], 1.4 SSE OELLA [39.25, -76.77], 1.1 SSE OELLA [39.26, -76.77], 0.6 SW OELLA [39.26, -76.79]**

	03/13/10 11:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 18:15 EST		0	Source: Emergency Manager

Flooding was observed along River Road from Frederick Road to Thistle Road.

**BALTIMORE COUNTY --- 1.7 ENE DUNDALK [39.28, -76.49], 1.7 ENE DUNDALK [39.28, -76.49], 1.6 ENE DUNDALK [39.28, -76.49], 1.6 ENE DUNDALK [39.28, -76.49]**

	03/13/10 11:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 18:15 EST		0	Source: Emergency Manager

Flooding was observed at the intersection of Frederick Road and Thistle Road.

**HOWARD COUNTY --- 0.4 ENE ELK RIDGE [39.22, -76.71], 0.6 ESE ELK RIDGE [39.22, -76.71], 0.6 ESE ELK RIDGE [39.22, -76.71], 0.3 E ELK RIDGE [39.22, -76.71]**

	03/13/10 11:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 18:25 EST		0	Source: Emergency Manager

Flooding was reported on Levering Avenue from Route 1 to Lawyers Avenue. A rainfall report of 3.23 inches was received from the area.

**HOWARD COUNTY --- 0.4 ENE ELK RIDGE [39.22, -76.71], 1.1 ESE ILCHESTER [39.24, -76.75], 1.1 ESE ILCHESTER [39.24, -76.75], 0.3 E ELK RIDGE [39.22, -76.71]**

	03/13/10 11:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 18:25 EST		0	Source: Emergency Manager

Flooding was on River Road in Patapsco State Park. A rainfall report of 3.21 inches was received from the area.

**HOWARD COUNTY --- 0.7 ESE ELK RIDGE [39.22, -76.71], 1.1 ESE ELK RIDGE [39.21, -76.70], 1.0 ESE ELK RIDGE [39.21, -76.70], 0.7 ESE ELK RIDGE [39.22, -76.71]**

	03/13/10 11:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 18:25 EST		0	Source: Emergency Manager

Flooding was reported on Furnace Avenue. Spotter in the area observed 4.79 inches of rain.

**HOWARD COUNTY --- 1.1 ESE ELK RIDGE [39.21, -76.70], 0.7 ESE ELK RIDGE [39.22, -76.71], 0.9 NNE HANOVER [39.19, -76.72], 1.0 NE HANOVER [39.19, -76.72]**

	03/13/10 11:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 18:25 EST		0	Source: Emergency Manager

Flooding was reported on Race Road between Furnace Avenue and Hanover Road. A rainfall report of 3.28 inches was received from the area.

**FREDERICK COUNTY --- 0.7 N TUSCARORA [39.26, -77.47], 0.4 NNW TUSCARORA [39.26, -77.47], 0.8 NW TUSCARORA [39.26, -77.48], 1.1 NNW TUSCARORA [39.26, -77.48]**

	03/14/10 00:00 EST		0	Flood (due to Heavy Rain)
	03/14/10 13:15 EST		0	Source: Emergency Manager

Flooding was reported on New Design Road off of Route 28. Rainfall reported in the area totaled 3.66 inches.

## Storm Data and Unusual Weather Phenomena - March 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>FREDERICK COUNTY --- 1.9 ENE PLEASANT VIEW [39.29, -77.46], 2.1 WSW PARK MILLS [39.29, -77.45], 2.1 NNE TUSCARORA [39.28, -77.46], 1.8 E PLEASANT VIEW [39.28, -77.47]</b>				
	03/14/10 00:00 EST		0	Flood (due to Heavy Rain)
	03/14/10 13:15 EST		0	Source: Emergency Manager

Flooding was observed on Greenfield Road off of Route 85. A rain gauge in the area measured 3.33 inches.

A slow moving low pressure moved up the Mid-Atlantic coast producing widespread heavy rainfall. The 2 to 4 inches of rain combined with nearly saturated antecedent conditions to produce flooding over northern Maryland.

<b>(MD-Z011) SOUTHERN BALTIMORE</b>				
	03/13/10 18:00 EST		0	Coastal Flood
	03/13/10 18:00 EST		0	

A persistent onshore flow developed around high pressure over New England and low pressure moving up the Mid-Atlantic coast on the 13th. A persistent the onshore flow caused coastal flooding in southern Baltimore County near the Chesapeake Bay.

### VIRGINIA, North

<b>AUGUSTA COUNTY --- 0.9 NE CRIMORA [38.16, -78.84], 2.2 SSE DOOMS [38.09, -78.85], 1.0 SE WEST AUGUSTA [38.27, -79.32], 1.5 WSW SANGERVILLE [38.37, -79.11]</b>				
	03/13/10 05:45 EST		0	Flood (due to Heavy Rain)
	03/13/10 11:30 EST		0	Source: Department of Highways

Numerous road closed across the county due to flooding.

<b>ROCKINGHAM COUNTY --- 1.4 NE CRIDERS [38.77, -78.98], 1.2 NE HUPP [38.63, -78.72], 1.6 WNW ELKTON [38.43, -78.65], 1.4 SSE GREEN MT [38.50, -78.87], 3.8 NE ROWLEY SPGS [38.54, -79.02]</b>				
	03/13/10 05:45 EST		0	Flood (due to Heavy Rain)
	03/13/10 11:30 EST		0	Source: Department of Highways

Three roads across the county were closed due to flooding. Rainfall total of 1.55 inches observed in the area.

<b>CLARKE COUNTY --- 0.3 W WADESVILLE [39.25, -78.04], 6.8 E BERRYVILLE [39.13, -77.85], 4.3 SSE MILLWOOD [39.01, -78.01], 1.4 W WATERLOO [39.08, -78.11]</b>				
	03/13/10 06:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 12:15 EST		0	Source: Department of Highways

Several roads were closed to the flooding of feeder streams into the Shenandoah River.

<b>PAGE COUNTY --- 2.5 NNW OVERALL [38.83, -78.37], 3.3 NE OVERALL [38.83, -78.30], 2.1 SSE PINE GROVE [38.50, -78.46], 2.2 WSW GROVE HILL [38.51, -78.66]</b>				
	03/13/10 06:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 12:15 EST		0	Source: Department of Highways

Several roads closed due to high water across the county. Rainfall report of 1.47 inches in the area.

<b>SHENANDOAH COUNTY --- 0.2 S ST STEPHENS CHURCH [39.02, -78.42], 1.1 SSW ORANDA [39.02, -78.34], 0.7 S QUICKSBURG [38.67, -78.68], 0.2 NNE HEPNERS [38.77, -78.80]</b>				
	03/13/10 06:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 12:15 EST		0	Source: Department of Highways

Numerous roads were closed throughout the county due to flooding. Rainfall report received from the area of 3.11 inches.

<b>WARREN COUNTY --- 0.4 N RELIANCE [39.01, -78.25], 1.0 E MILLDALE [39.00, -78.08], 0.7 N BROWNTOWN [38.81, -78.23], 1.4 SSW LIMETON [38.83, -78.29]</b>				
	03/13/10 06:30 EST		0	Flood (due to Heavy Rain)
	03/13/10 12:15 EST		0	Source: Department of Highways

Numerous roads throughout the county were closed due to high water. Rainfall totals in the area were as high as 4.53 inches.

## Storm Data and Unusual Weather Phenomena - March 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LOUDOUN COUNTY --- 1.5 SSW LEESBURG [39.10, -77.56], 1.3 NE ASHBURN [39.07, -77.46], 2.5 SW PLEASANT VLY [38.90, -77.52], 1.7 SSE BLOOMFIELD [39.01, -77.79], 1.5 SSW LOUDOUN HGTS [39.30, -77.71], 1.1 N LUCKETTS [39.24, -77.53]</b>				
	03/13/10 10:15 EST		0	Flood (due to Heavy Rain)
	03/13/10 17:15 EST		0	Source: Emergency Manager
Numerous road closures throughout the county due to high water. Road closures in the western portion of the county occurred in Round Hill, Hillsboro, and Filamont. Hibbs Bridge Road in the vicinity of the Snickersville Turnpike at Watermill Road was under water. Beaverdam Bridge Road was reported under water. Many locales have several inches of water running over them. Rainfall totals across the county were as high as 5.71 inches.				
<b>FREDERICK COUNTY --- 6.4 NW SILER [39.42, -78.32], 2.9 ESE BRUCETOWN [39.23, -78.02], 0.9 S NAIN [39.22, -78.20], 1.0 NNW CEDAR CREEK [39.04, -78.31], 1.6 NNE MOUNTAIN FALLS [39.14, -78.38]</b>				
	03/13/10 10:29 EST		0	Flood (due to Heavy Rain)
	03/13/10 17:15 EST		0	Source: Department of Highways
Numerous roads across the county closed due to high water. Rainfall in the area was observed at 4.13 inches.				
<b>CULPEPER COUNTY --- BOSTON [38.53, -78.13], 3.5 WNW JEFFERSONTON [38.66, -77.95], 2.7 E LIGNUM [38.41, -77.78], 3.3 W MITCHELLS [38.38, -78.09]</b>				
	03/13/10 10:31 EST		0	Flood (due to Heavy Rain)
	03/13/10 16:00 EST		0	Source: Department of Highways
Several roads were closed due to high water throughout the county. Rainfall report was received from the area of 3.57 inches.				
<b>CULPEPER COUNTY --- BOSTON [38.53, -78.13], 3.5 WNW JEFFERSONTON [38.66, -77.95], 2.7 E LIGNUM [38.41, -77.78], 3.3 W MITCHELLS [38.38, -78.09]</b>				
	03/13/10 10:31 EST		0	Flood (due to Heavy Rain)
	03/13/10 17:00 EST		0	Source: Department of Highways
Several roads were closed due to high water throughout the county. Rainfall report was received from the area of 3.57 inches.				
<b>ALBEMARLE COUNTY --- 0.5 E WHITE HALL [38.12, -78.66], 1.9 NE CROZET [38.09, -78.67], 2.6 NW CROZET [38.09, -78.74], 2.5 WSW DOYLESVILLE [38.14, -78.71]</b>				
	03/13/10 10:32 EST		0	Flood (due to Heavy Rain)
	03/13/10 17:00 EST		0	Source: Department of Highways
County Routes 614 and 672 were closed due to flooding.				
<b>GREENE COUNTY --- 1.1 NW QUINQUE [38.26, -78.42], 1.7 SSE GEER [38.28, -78.49], 2.3 SSW KINDERHOOK [38.34, -78.45], 2.0 ENE STANDARDSVILLE [38.31, -78.39]</b>				
	03/13/10 10:32 EST		0	Flood (due to Heavy Rain)
	03/13/10 17:00 EST		0	Source: Department of Highways
Several roads in the county were closed due to high water. Rain gauge in the area observed 2.69 inches of rain.				
<b>FAUQUIER COUNTY --- 1.0 ENE BRISTERSBURG [38.58, -77.60], 3.3 W HUME [38.83, -78.06], 2.5 NW HALFWAY [38.95, -77.76], BETHEL [38.77, -77.82]</b>				
	03/13/10 10:33 EST		0	Flood (due to Heavy Rain)
	03/13/10 17:00 EST		0	Source: Department of Highways
Several roads closed due to flooding across the county. Rainfall reports from the area were as high as 3.28 inches.				
<b>MADISON COUNTY --- 0.7 N ROCHELLE [38.29, -78.27], 2.7 NW GRAVES MILL [38.45, -78.42], 2.6 W ETLAN [38.53, -78.33], 1.6 SE OAKPARK [38.36, -78.15]</b>				
	03/13/10 10:33 EST		0	Flood (due to Heavy Rain)
	03/13/10 17:00 EST		0	Source: Department of Highways
Several roads were closed throughout the county due to high water. Rainfall totals in the area were reported as high as 4.48 inches.				
<b>ORANGE COUNTY --- 0.5 WNW FLATRUN [38.37, -77.78], 0.6 NNE THORNHILL [38.16, -77.98], 0.3 WNW EHEART [38.20, -78.33], 4.8 NNW EVERONA [38.36, -78.01]</b>				
	03/13/10 10:34 EST		0	Flood (due to Heavy Rain)
	03/13/10 17:00 EST		0	Source: Department of Highways

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Two roads were closed due to high water. Spotter in the area recorded 2.96 inches of rain.				
<b>LOUDOUN COUNTY --- 1.0 W SUNNY BANK [38.98, -77.72], 0.4 SW SUNNY BANK [38.98, -77.71], 0.8 SSW SUNNY BANK [38.97, -77.71], 1.1 SW SUNNY BANK [38.97, -77.72]</b>				
	03/14/10 00:00 EST		0	Flood (due to Heavy Rain)
	03/14/10 12:15 EST		0	Source: Emergency Manager
Flooding reported on Parsons Road at Route 50. Spotter in the area reported 3.85 inches.				
<b>LOUDOUN COUNTY --- 2.7 WNW PURCELLVILLE [39.16, -77.77], 1.6 NNE PURCELLVILLE [39.17, -77.71], 0.9 NE PURCELLVILLE [39.16, -77.71], 2.4 W PURCELLVILLE [39.15, -77.76]</b>				
	03/14/10 00:00 EST		0	Flood (due to Heavy Rain)
	03/14/10 12:15 EST		0	Source: Emergency Manager
Flooding was reported on Alder School Road.				
<b>LOUDOUN COUNTY --- 3.9 W BLOOMFIELD [39.03, -77.87], 2.9 W BLOOMFIELD [39.02, -77.85], 3.2 WSW BLOOMFIELD [39.02, -77.86], 4.1 W BLOOMFIELD [39.02, -77.88]</b>				
	03/14/10 00:00 EST		0	Flood (due to Heavy Rain)
	03/14/10 12:15 EST		0	Source: Emergency Manager
Flooding was reported on Millville Road between Trappe Road and Greengarden Road.				
<b>WARREN COUNTY --- 2.1 SSE MILLDALE [38.97, -78.08], 2.0 SE MILLDALE [38.98, -78.07], 1.9 ESE MILLDALE [38.99, -78.07], 1.6 ESE MILLDALE [38.99, -78.07], 1.6 SE MILLDALE [38.98, -78.08]</b>				
	03/14/10 10:00 EST		0	Flood (due to Heavy Rain)
	03/14/10 16:15 EST		0	Source: Emergency Manager
Flooding reported on Howellsville Road in Shenandoah Valley.				
<b>CLARKE COUNTY --- 1.1 W MILLWOOD [39.07, -78.05], 1.7 ESE MILLWOOD [39.06, -78.00], 0.5 ENE CLAYTONVILLE [39.08, -78.01], 0.8 SE BOYCE [39.09, -78.04]</b>				
	03/14/10 10:25 EST		0	Flood (due to Heavy Rain)
	03/14/10 16:25 EST		0	Source: Emergency Manager
Flooding was reported on Switch Shoals Road from Route 50 to Route 622.				
<b>WARREN COUNTY --- 0.9 W WAKEMAN MILLS [38.95, -78.30], 0.8 W WAKEMAN MILLS [38.95, -78.29], 0.7 W WAKEMAN MILLS [38.95, -78.29], 0.8 W WAKEMAN MILLS [38.95, -78.29]</b>				
	03/14/10 10:25 EST		0	Flood (due to Heavy Rain)
	03/14/10 16:15 EST		0	Source: Emergency Manager
Flooding on Mountain Road.				
<b>CLARKE COUNTY --- 4.1 SE MILLWOOD [39.03, -77.97], 4.9 SE MILLWOOD [39.03, -77.95], 4.2 ESE CLAYTONVILLE [39.05, -77.95], 3.4 SE CLAYTONVILLE [39.05, -77.97]</b>				
	03/14/10 10:30 EST		0	Flood (due to Heavy Rain)
	03/14/10 16:15 EST		0	Source: Emergency Manager
Flooding was reported on Howellsville Road between Route 50 and Manor Lane as well as on River Road between Sawmill Hill Road and Route 7.				
<b>FREDERICK COUNTY --- 2.3 NNE WHITACRE [39.36, -78.32], 2.5 NNE WHITACRE [39.36, -78.31], 2.1 NNE WHITACRE [39.36, -78.31], 1.9 NNE WHITACRE [39.36, -78.32]</b>				
	03/14/10 11:00 EST		0	Flood (due to Heavy Rain)
	03/14/10 17:30 EST		0	Source: Emergency Manager
Flooding was observed on New Hope Road near Cross Junction. Rain gauge in the area measured 3.80 inches.				
<b>FREDERICK COUNTY --- 2.3 SE SILER [39.32, -78.22], 2.4 SE SILER [39.32, -78.22], 2.6 SE SILER [39.32, -78.22], 2.4 SSE SILER [39.32, -78.23]</b>				
	03/14/10 11:00 EST		0	Flood (due to Heavy Rain)
	03/14/10 17:30 EST		0	Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - March 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Flooding was reported at the intersection of Chestnut Grove Road and Hunting Ridge Road.

A slow moving low pressure moved up the Mid-Atlantic coast producing widespread heavy rainfall. The 3 to 5 inches of rain combined with nearly saturated antecedent conditions to produce flooding over northern Virginia.

**(VA-Z054) ARLINGTON**

03/13/10 07:48 EST	0	Coastal Flood
03/13/10 07:48 EST	0	

A persistent onshore flow developed around high pressure over New England and low pressure moving up the Mid-Atlantic coast on the 13th. Heavy rain from the low pressure system caused elevated river levels during this time. The combination of fresh water piling up in the Potomac River along with the onshore flow caused coastal flooding along the Tidal Potomac River in Arlington and Alexandria.

**RAPPAHANNOCK COUNTY --- 0.9 NW SLATE MILLS [38.54, -78.19]**

03/22/10 13:39 EST	0	Hail (1.00 in)
03/22/10 13:39 EST	0	Source: Public

Quarter size hail was reported near near Slate Mills.

**RAPPAHANNOCK COUNTY --- 0.9 NW WOODVILLE [38.61, -78.19]**

03/22/10 13:43 EST	0	Hail (1.00 in)
03/22/10 13:43 EST	0	Source: Public

Quarter size hail was reported near Woodville.

**KING GEORGE COUNTY --- 0.5 W KING GEORGE [38.27, -77.18]**

03/22/10 14:00 EST	0	Hail (1.00 in)
03/22/10 14:00 EST	0	Source: Fire Department/Rescue

Quarter size hail was reported in King George.

**FAIRFAX COUNTY --- 0.9 NW NEWINGTON [38.74, -77.19]**

03/22/10 16:14 EST	0	Hail (1.00 in)
03/22/10 16:14 EST	0	Source: Trained Spotter

Quarter size hail was reported near Newington.

An upper-level low over the Ohio Valley provided plenty of cold air aloft while a southerly flow ahead of this system ushered in warm and moist air from the south at the surface. The combination of the warm low-levels and the colder air aloft provided enough instability for showers and thunderstorms to develop. Some thunderstorms during the afternoon hours produced large hail.

**SHENANDOAH COUNTY --- 0.7 N MT JACKSON [38.76, -78.65], 1.3 N MT JACKSON [38.77, -78.65], 1.3 NE MT JACKSON [38.77, -78.64], 0.9 NE MT JACKSON [38.76, -78.64]**

03/28/10 18:30 EST	0	Flood (due to Heavy Rain)
03/29/10 04:30 EST	0	Source: Fire Department/Rescue

Mount Jackson Road was reported to have high water on it. Rain gauge in the area recorded 2.76 inches.

**SHENANDOAH COUNTY --- 0.4 NW DETRICK [38.83, -78.42], 0.1 NW DETRICK [38.83, -78.42], 0.3 W DETRICK [38.83, -78.43], 0.4 WNW DETRICK [38.83, -78.43]**

03/28/10 20:00 EST	0	Flood (due to Heavy Rain)
03/29/10 04:30 EST	0	Source: Department of Highways

Route 812 was closed due to high water.

**SHENANDOAH COUNTY --- 0.5 E EDINBURG [38.82, -78.56], 1.1 ENE EDINBURG [38.83, -78.55], 0.6 S WILLOW GROVE [38.82, -78.53], 1.0 NNE EDITH XRDS [38.78, -78.49], 0.7 WNW EDITH XRDS [38.77, -78.51]**

03/28/10 20:00 EST	0	Flood (due to Heavy Rain)
03/29/10 04:30 EST	0	Source: Department of Highways

Route 675 was closed due to high water.

## Storm Data and Unusual Weather Phenomena - March 2010

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<b>SHENANDOAH COUNTY --- 0.7 W ST DAVIDS CHURCH [38.80, -78.46], 0.5 WSW ST DAVIDS CHURCH [38.80, -78.46], 0.4 WSW ST DAVIDS CHURCH [38.80, -78.46], 0.6 WSW ST DAVIDS CHURCH [38.80, -78.46], 0.8 WSW ST DAVIDS CHURCH [38.80, -78.46]</b>				
	03/28/10 20:00 EST	0		Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 776 was closed due to high water.				
<b>SHENANDOAH COUNTY --- 0.9 NW VAN BUREN FURNACE [38.98, -78.56], 1.6 NE VAN BUREN FURNACE [38.99, -78.53], 1.3 ENE VAN BUREN FURNACE [38.98, -78.53], 0.5 W VAN BUREN FURNACE [38.97, -78.56]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 603 was closed due to high water.				
<b>SHENANDOAH COUNTY --- 0.9 SE STRASBURG [38.97, -78.36], 0.7 SSE STRASBURG [38.97, -78.37], 0.2 NW STRASBURG [38.98, -78.37], 0.5 NNE STRASBURG [38.99, -78.37]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 648 was closed due to high water.				
<b>SHENANDOAH COUNTY --- 0.9 W ST LUKE [38.90, -78.60], 1.3 NW CALVARY [38.88, -78.57], 1.1 WNW CALVARY [38.88, -78.57], 1.4 WSW ST LUKE [38.89, -78.60]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 680 was closed due to high water. Rain gauge in the area measured 1.56 inches.				
<b>SHENANDOAH COUNTY --- 1.0 SW LEBANON CHURCH [39.04, -78.39], 0.6 WSW CLARY [39.03, -78.38], 1.3 WNW HARRISVILLE [38.96, -78.47], 2.1 N SAUMSVILLE [38.96, -78.50]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 623 was closed due to high water.				
<b>SHENANDOAH COUNTY --- 1.1 E COLUMBIA FURNACE [38.87, -78.60], 1.2 NNE COLUMBIA FURNACE [38.89, -78.61], 0.5 WSW WOODSTOCK [38.88, -78.53], 0.6 SE CALVARY [38.86, -78.54]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 42 was closed due to high water.				
<b>SHENANDOAH COUNTY --- 1.2 NE READUS [38.86, -78.58], 1.4 WSW CALVARY [38.86, -78.57], 1.0 ENE LANTZ MILLS [38.83, -78.58], 0.8 ENE LANTZ MILLS [38.84, -78.59]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 685 was closed due to high water.				
<b>SHENANDOAH COUNTY --- 1.3 NW MACANIE [38.78, -78.77], 0.7 WNW MACANIE [38.77, -78.76], 1.2 SE HEPNERS [38.76, -78.78], 0.4 SE HEPNERS [38.77, -78.80]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 725 was closed due to high water.				
<b>SHENANDOAH COUNTY --- 1.3 WNW CALVARY [38.88, -78.57], 0.5 ENE ST LUKE [38.90, -78.57], 0.6 WNW WOODSTOCK [38.88, -78.53], 0.9 NE CALVARY [38.88, -78.54]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
State Route 605 was closed due to high water. A report of 2.16 inches of rain was received from the area.				

## Storm Data and Unusual Weather Phenomena - March 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>SHENANDOAH COUNTY --- 2.5 WNW SEVEN FOUNTAINS [38.87, -78.44], 0.9 NW SEVEN FOUNTAINS [38.86, -78.41], 1.0 N DETRICK [38.84, -78.42], 2.6 NW DETRICK [38.86, -78.45]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 758 was closed due to high water.				
<b>SHENANDOAH COUNTY --- 2.7 WSW WHEATFIELD [39.07, -78.43], 0.3 S WHEATFIELD [39.08, -78.38], 1.0 SSE WHEATFIELD [39.07, -78.38], 2.2 W LEBANON CHURCH [39.05, -78.42]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 714 was closed due to high water.				
<b>SHENANDOAH COUNTY --- EDITH XRDS [38.77, -78.50], 0.7 NNW ST DAVIDS CHURCH [38.81, -78.45], 0.4 NE ST DAVIDS CHURCH [38.80, -78.44], 1.1 ESE EDITH XRDS [38.77, -78.48]</b>				
	03/28/10 20:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 769 was closed due to high water.				
<b>PAGE COUNTY --- 0.4 N COMERTOWN [38.51, -78.60], 0.9 SE MARKSVILLE [38.57, -78.47], 1.4 ESE COMPTON [38.77, -78.36], 2.6 NW RILEYVILLE [38.80, -78.43], 3.1 W LEAKSVILLE [38.64, -78.59], 1.8 WSW GROVE HILL [38.52, -78.65]</b>				
	03/28/10 20:45 EST		0	Flood (due to Heavy Rain)
	03/29/10 03:00 EST		0	Source: Department of Highways
Portions of Route 340 were closed due to high water. Rain gauge reports in the area were as high as 2.36 inches.				
<b>FREDERICK COUNTY --- 0.4 SSE MARLBORO [39.08, -78.33], 0.5 E MARLBORO [39.08, -78.32], 0.4 NE MARLBORO [39.08, -78.32], 0.1 SSW MARLBORO [39.08, -78.33]</b>				
	03/28/10 22:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 628 was closed due to high water.				
<b>FREDERICK COUNTY --- 1.4 NE WHITACRE [39.34, -78.31], 3.5 NW SILER [39.38, -78.30], 3.7 NNE WHITACRE [39.38, -78.31], 1.5 NNE WHITACRE [39.35, -78.32]</b>				
	03/28/10 22:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 699 was closed due to high water.				
<b>FREDERICK COUNTY --- 1.8 NE HAYFIELD [39.25, -78.27], 0.6 SSW NAIN [39.22, -78.20], 1.3 S NAIN [39.21, -78.20], 1.3 ENE HAYFIELD [39.24, -78.28]</b>				
	03/28/10 22:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 679 was closed due to high water. Rainfall report from the area was received of 1.40 inches.				
<b>FREDERICK COUNTY --- 2.0 NW SILER [39.37, -78.28], 2.8 N SILER [39.39, -78.25], 3.5 N SILER [39.40, -78.25], 3.1 NNW SILER [39.39, -78.26], 2.4 NNW SILER [39.38, -78.27]</b>				
	03/28/10 22:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 692 was closed due to high water.				
<b>FREDERICK COUNTY --- 5.1 NNW SILER [39.42, -78.28], 4.6 NNW SILER [39.42, -78.27], 3.8 NW SILER [39.39, -78.30], 4.3 NW SILER [39.40, -78.30]</b>				
	03/28/10 22:00 EST		0	Flood (due to Heavy Rain)
	03/29/10 04:30 EST		0	Source: Department of Highways
Route 695 was closed due to high water.				



## Storm Data and Unusual Weather Phenomena - March 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Heavy showers spread across the central Appalachian Mountains in advance of a low pressure system moving northeast across the Ohio Valley. Rainfall amounts of 1 to 3 inches were enough to produce flooding along the Blue Ridge Mountains in northern Virginia.

### WEST VIRGINIA, East

**HAMPSHIRE COUNTY --- 1.6 SE MILLEN [39.51, -78.61], 0.9 NE BLOOMER [39.39, -78.37], 1.8 SE YELLOW SPG [39.16, -78.49], 1.2 NW PURGITSVILLE [39.24, -78.94]**

	03/13/10 06:30 EST	0	Flood (due to Heavy Rain)
	03/13/10 12:30 EST	0	Source: Law Enforcement

Several road closures were reported due to high water throughout the county. Spotter in the area reported 2.06 inches of rain.

**JEFFERSON COUNTY --- 0.9 SW CHARLES TOWN [39.29, -77.86], 1.1 W MILLVILLE [39.30, -77.80], 0.8 ESE MILLVILLE [39.29, -77.77], 2.4 SE MEYERSTOWN [39.18, -77.83], 0.8 SSE RIPPON [39.21, -77.90]**

	03/13/10 10:40 EST	0	Flood (due to Heavy Rain)
	03/13/10 17:30 EST	0	Source: Emergency Manager

Several Roads across the county were closed due to high water, including John Wrissler Road, Bloomey Road, and River Road. Weather observer in the area recorded 2.63 inches.

**JEFFERSON COUNTY --- 1.7 W SHEPHERDSTOWN [39.43, -77.83], 0.8 WNW BOLIVAR [39.32, -77.77], 2.6 SE MEYERSTOWN [39.17, -77.84], 2.9 W MT PLEASANT [39.26, -78.00]**

	03/13/10 11:10 EST	0	Flood (due to Heavy Rain)
	03/13/10 17:30 EST	0	Source: Public

Flooding was reported on River Road at Packhorse Ford Drive, River Road at Potomac View Land, and Rattlesnake Run. Spotter in the area reported 2.44 inches of rain.

**A slow moving low pressure moved up the Mid-Atlantic coast producing widespread heavy rainfall. The 2 to 4 inches of rain combined with nearly saturated antecedent conditions to produce flooding over eastern West Virginia.**

**MINERAL COUNTY --- 1.3 WNW REESES MILL [39.44, -78.87]**

	03/22/10 18:23 EST	0	Hail (1.00 in)
	03/22/10 18:23 EST	0	Source: Public

Quarter size hail was reported near Reeses Mill.

**An upper-level low over the Ohio Valley provided plenty of cold air aloft while a southerly flow ahead of this system ushered in warm and moist air from the south at the surface. The combination of the warm low-levels and the colder air aloft provided enough instability for showers and thunderstorms to develop. An isolated thunderstorm did produce large hail.**

**HAMPSHIRE COUNTY --- 2.2 N POINTS [39.46, -78.62], 1.4 ENE SLANESVILLE [39.38, -78.51], 0.4 S SLANESVILLE [39.36, -78.53], 0.9 NW POINTS [39.44, -78.63]**

	03/22/10 19:45 EST	0	Flood (due to Heavy Rain)
	03/22/10 20:45 EST	0	Source: Fire Department/Rescue

Rainfall, measured at 1.46 inches at an observation site near the area, caused ditches to overflow culverts and driveways.

**An upper-level low pressure helped produce enough instability and moist southerly flow to produce showers and thunderstorms over eastern West Virginia. A area of training developed over Hampshire County, causing an isolated area of flooding near Slanesville.**